

EPHEMERIDES

2 24.9

2 25.0

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>209679</b>	2005 <i>EV</i> <sub>8</sub>		2 24.9 101°17'	0°2/24.8	18		<b>283445</b>	2000 <i>WP</i> <sub>138</sub>		2 24.9 119°98'	0°3/25.4	17	
1 22	10 56.73	+ 7 43.6	1.646	2.472	15.2	21.0	1 22	10 50.56	+ 6 14.4	3.083	3.885	9.5	22.1
2 1	10 51.05	+ 8 13.4	1.584	2.488	11.3	20.8	2 1	10 45.57	+ 6 41.8	3.013	3.904	7.0	22.0
2 11	10 43.00	+ 8 55.8	1.545	2.504	6.8	20.5	2 11	10 39.34	+ 7 17.0	2.969	3.922	4.3	21.8
2 21	10 33.43	+ 9 45.3	1.533	2.520	1.9	20.3	2 21	10 32.35	+ 7 56.9	2.954	3.940	1.3	21.6
3 2	10 23.47	+10 35.0	1.550	2.535	3.1	20.4	3 2	10 25.16	+ 8 38.1	2.971	3.957	1.7	21.7
3 12	10 14.38	+11 18.1	1.594	2.550	7.7	20.7	3 12	10 18.37	+ 9 17.1	3.020	3.974	4.6	21.9
3 22	10 7.13	+11 50.1	1.664	2.565	11.9	21.0	3 22	10 12.50	+ 9 51.1	3.097	3.991	7.2	22.1
4 1	10 2.38	+12 8.3	1.757	2.579	15.3	21.2	4 1	10 7.95	+10 17.8	3.200	4.007	9.4	22.3
<b>435958</b>	2009 <i>DP</i> <sub>39</sub>		2 24.9 334°23'	0°2/25.2	17		<b>278810</b>	2008 <i>SH</i> <sub>248</sub>		2 24.9 119°64'	0°3/25.3	17	
1 22	10 48.45	+ 5 13.8	2.133	2.952	12.5	21.1	1 22	10 51.69	+ 5 56.8	2.149	2.964	12.5	21.6
2 1	10 44.65	+ 6 1.4	2.048	2.948	9.3	20.9	2 1	10 46.96	+ 6 28.4	2.073	2.971	9.4	21.4
2 11	10 39.09	+ 7 2.8	1.988	2.945	5.7	20.7	2 11	10 40.43	+ 7 11.9	2.022	2.978	5.7	21.2
2 21	10 32.31	+ 8 13.6	1.956	2.942	1.8	20.4	2 21	10 32.71	+ 8 3.0	1.998	2.984	1.8	20.9
3 2	10 25.09	+ 9 27.7	1.953	2.939	2.4	20.5	3 2	10 24.61	+ 8 56.6	2.004	2.990	2.3	20.9
3 12	10 18.31	+10 38.4	1.979	2.937	6.3	20.7	3 12	10 17.04	+ 9 47.0	2.039	2.996	6.2	21.2
3 22	10 12.75	+11 40.2	2.033	2.934	10.0	20.9	3 22	10 10.76	+10 29.7	2.102	3.002	9.7	21.4
4 1	10 9.00	+12 29.1	2.109	2.932	13.1	21.1	4 1	10 6.36	+11 1.6	2.188	3.008	12.8	21.6
<b>197105</b>	2003 <i>UW</i> <sub>195</sub>		2 24.9 17°75'	4°1/28.9	18		<b>182931</b>	2002 <i>GQ</i> <sub>1</sub>		2 24.9 10°23'	9°5/6.7	18	
1 22	10 49.16	- 4 42.9	1.922	2.705	15.0	19.6	1 22	10 42.88	-18 29.8	1.546	2.277	20.2	18.5
2 1	10 45.33	- 4 32.5	1.840	2.707	12.0	19.4	2 1	10 41.12	-18 36.9	1.474	2.284	17.6	18.4
2 11	10 39.56	- 4 0.8	1.779	2.709	8.6	19.2	2 11	10 37.20	-18 6.7	1.419	2.293	14.6	18.2
2 21	10 32.45	- 3 9.4	1.744	2.711	5.3	19.0	2 21	10 31.81	-16 57.9	1.384	2.303	11.7	18.0
3 2	10 24.88	- 2 2.6	1.736	2.714	4.2	18.9	3 2	10 25.94	-15 13.4	1.372	2.315	9.8	17.9
3 12	10 17.82	- 0 47.2	1.756	2.717	6.6	19.1	3 12	10 20.73	-13 2.3	1.384	2.329	9.8	18.0
3 22	10 12.13	+ 0 29.3	1.803	2.721	10.0	19.3	3 22	10 17.10	-10 37.4	1.421	2.344	11.8	18.1
4 1	10 8.43	+ 1 40.1	1.873	2.724	13.3	19.5	4 1	10 15.72	- 8 12.1	1.482	2.361	14.6	18.3
<b>45771</b>	2000 <i>NE</i> <sub>5</sub>		2 24.9 222°26'	0°2/25.1	18 R		<b>424760</b>	2008 <i>TM</i> <sub>63</sub>		2 24.9 38°10'	0°8/24.3	17	
1 22	10 57.66	+ 7 43.8	1.784	2.603	14.5	18.7	1 22	10 52.32	+ 9 37.5	1.965	2.794	13.0	21.3
2 1	10 51.87	+ 7 56.9	1.695	2.596	10.9	18.4	2 1	10 47.61	+10 7.5	1.889	2.796	9.6	21.0
2 11	10 43.64	+ 8 21.6	1.631	2.588	6.7	18.1	2 11	10 40.91	+10 47.2	1.838	2.798	5.7	20.8
2 21	10 33.67	+ 8 53.8	1.593	2.580	2.0	17.8	2 21	10 32.86	+11 31.6	1.813	2.800	1.6	20.5
3 2	10 23.02	+ 9 28.3	1.585	2.571	2.9	17.8	3 2	10 24.38	+12 15.2	1.818	2.802	3.0	20.6
3 12	10 12.95	+ 9 59.0	1.605	2.561	7.6	18.1	3 12	10 16.48	+12 52.3	1.851	2.804	7.1	20.9
3 22	10 4.54	+10 21.3	1.652	2.551	12.0	18.3	3 22	10 10.01	+13 19.0	1.911	2.807	10.8	21.1
4 1	9 58.59	+10 32.3	1.720	2.541	15.7	18.6	4 1	10 5.62	+13 33.0	1.993	2.809	14.0	21.3
<b>6916</b>	Lewispearce		2 24.9 283°46'	4°1/27.9	18		<b>51939</b>	2001 <i>QG</i> <sub>168</sub>		2 24.9 26°33'	3°8/27.2	18	
1 22	10 56.62	- 1 41.9	2.169	2.944	13.8	16.6	1 22	10 57.46	+ 1 37.3	1.497	2.308	17.2	18.1
2 1	10 50.92	- 2 21.5	2.055	2.919	11.1	16.4	2 1	10 51.93	+ 0 53.4	1.424	2.312	13.5	17.9
2 11	10 43.05	- 2 48.2	1.964	2.893	8.0	16.1	2 11	10 43.74	+ 0 25.6	1.373	2.318	9.1	17.6
2 21	10 33.53	- 3 1.4	1.900	2.867	5.0	15.9	2 21	10 33.72	+ 0 13.4	1.346	2.323	5.0	17.4
3 2	10 23.21	- 3 2.0	1.865	2.841	4.3	15.8	3 2	10 23.10	+ 0 14.2	1.347	2.329	4.3	17.4
3 12	10 13.12	- 2 52.9	1.860	2.814	6.9	15.9	3 12	10 13.29	+ 0 23.2	1.375	2.336	8.0	17.6
3 22	10 4.25	- 2 38.1	1.882	2.787	10.4	16.1	3 22	10 5.46	+ 0 35.2	1.427	2.343	12.3	17.9
4 1	9 57.40	- 2 22.1	1.928	2.760	13.8	16.2	4 1	10 0.38	+ 0 45.0	1.501	2.351	16.1	18.1
<b>136508</b>	2005 <i>KO</i> <sub>8</sub>		2 24.9 70°88'	4°4/29.6	18		<b>55233</b>	2001 <i>RZ</i> <sub>74</sub>		2 24.9 326°76'	1°6/24.0	18	
1 22	10 50.03	- 6 15.2	2.268	3.030	13.6	20.2	1 22	10 55.04	+11 17.3	1.248	2.101	17.4	18.4
2 1	10 45.73	- 6 19.3	2.179	3.031	11.1	20.0	2 1	10 50.77	+11 38.9	1.173	2.092	13.0	18.1
2 11	10 39.71	- 6 5.0	2.113	3.031	8.2	19.8	2 11	10 43.37	+12 12.9	1.118	2.083	7.8	17.8
2 21	10 32.50	- 5 32.8	2.073	3.032	5.5	19.6	2 21	10 33.68	+12 52.4	1.088	2.075	2.4	17.4
3 2	10 24.87	- 4 45.7	2.061	3.032	4.5	19.6	3 2	10 23.12	+13 29.0	1.083	2.067	4.5	17.5
3 12	10 17.66	- 3 48.5	2.077	3.033	6.2	19.7	3 12	10 13.40	+13 54.6	1.103	2.060	10.2	17.8
3 22	10 11.62	- 2 47.0	2.121	3.034	9.0	19.9	3 22	10 5.93	+14 4.2	1.145	2.053	15.4	18.1
4 1	10 7.33	- 1 47.1	2.189	3.034	11.9	20.0	4 1	10 1.68	+13 55.8	1.206	2.047	19.8	18.4
<b>55168</b>	2001 <i>QK</i> <sub>250</sub>		2 24.9 15°58'	5°9/19.6	18		<b>44739</b>	1999 <i>TV</i> <sub>36</sub>		2 24.9 204°47'	2°1/26.6	18	
1 22	10 50.29	+21 39.3	1.633	2.493	13.6	18.0	1 22	10 57.90	+ 2 5.2	1.783	2.584	15.3	20.1
2 1	10 46.50	+22 59.3	1.579	2.499	10.2	17.8	2 1	10 52.07	+ 2 14.7	1.693	2.579	11.8	19.8
2 11	10 40.37	+24 19.4	1.549	2.505	7.1	17.7	2 11	10 43.79	+ 2 41.1	1.626	2.573	7.7	19.6
2 21	10 32.70	+25 30.2	1.545	2.513	5.9	17.6	2 21	10 33.76	+ 3 21.7	1.585	2.567	3.4	19.3
3 2	10 24.62	+26 23.1	1.568	2.521	7.8	17.7	3 2	10 23.02	+ 4 11.4	1.574	2.559	3.0	19.2
3 12	10 17.35	+26 52.5	1.616	2.530	11.0	17.9	3 12	10 12.82	+ 5 3.7	1.591	2.551	7.3	19.5
3 22	10 11.86	+26 57.3	1.686	2.540	14.2	18.2	3 22	10 4.26	+ 5 52.0	1.636	2.542	11.6	19.7
4 1	10 8.80	+26 39.1	1.776	2.551	17.0	18.4	4 1	9 58.16	+ 6 31.3	1.703	2.532	15.4	19.9
<b>301165</b>	2008 <i>YC</i> <sub>50</sub>		2 24.9 126°50'	0°1/25.1	18		<b>508246</b>	2015 <i>HY</i> <sub>45</sub>		2 24.9 244°44'	7°0/15.8	17	
1 22	10 58.02	+ 7 20.5	1.754	2.573	14.8	21.6	1 22	10 55.73	+34 27.2	2.777	3.599	9.8	22.1
2 1	10 51.92	+ 7 41.7	1.686	2.586	11.0	21.4	2 1	10 49.90	+35 34.2	2.707	3.585	8.2	22.0
2 11	10 43.52	+ 8 15.0	1.642	2.599	6.7	21.2	2 11	10 42.19	+36 33.2	2.663	3.571	7.1	21.9
2 21	10 33.60	+ 8 55.5	1.626	2.612	2.0	20.9	2 21	10 33.23	+37 17.7	2.646	3.557	7.2	21.9
3 2	10 23.28	+ 9 37.3	1.638	2.624	2.8	21.0	3 2	10 23.85	+37 42.7	2.657	3.543	8.3	21.9
3 12	10 13.76	+10 14.3	1.679	2.635	7.4	21.3	3 12	10 14.97	+37 45.8	2.695	3.528	10.1	22.0
3 22	10 6.00	+10 42.0	1.747	2.646	11.5	21.5	3 22	10 7.40	+37 27.3	2.756	3.513	11.9	22.2
4 1	10 0.68	+10 57.9	1.837	2.657	14.9	21.8	4 1	10 1.75	+36 49.3	2.836	3.498	13.7	22.3
<b>114647</b>	2003 <i>ER</i> <sub>44</sub>		2 24.9 237°32'	3°3/21.9									

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>406183</b>	2006 <i>WW</i> <sub>101</sub>		2 25.0 111°86	2°9/22.1	18		<b>52263</b>	1985 <i>QD</i> <sub>6</sub>		2 25.0 154°66	1°2/23.7	18	
1 22	10 56.59	+15 17.6	2.140	2.970	12.1	22.1	1 22	10 54.33	+10 31.1	2.418	3.236	11.2	19.8
2 1	10 50.46	+16 22.7	2.087	2.995	8.8	22.0	2 1	10 48.73	+11 22.6	2.344	3.246	8.2	19.6
2 11	10 42.45	+17 31.7	2.061	3.020	5.3	21.8	2 11	10 41.43	+12 21.9	2.297	3.256	4.9	19.4
2 21	10 33.28	+18 38.1	2.063	3.044	2.9	21.7	2 21	10 33.02	+13 23.9	2.279	3.265	1.6	19.2
3 2	10 23.88	+19 35.3	2.096	3.067	4.5	21.8	3 2	10 24.27	+14 23.2	2.292	3.273	3.0	19.3
3 12	10 15.21	+20 18.6	2.159	3.089	7.7	22.1	3 12	10 16.03	+15 14.6	2.335	3.280	6.4	19.5
3 22	10 8.05	+20 45.5	2.248	3.110	10.8	22.3	3 22	10 9.01	+15 54.6	2.407	3.286	9.6	19.7
4 1	10 2.94	+20 56.0	2.359	3.131	13.4	22.5	4 1	10 3.78	+16 21.3	2.502	3.292	12.3	19.9
<b>257630</b>	1999 <i>TJ</i> <sub>174</sub>		2 25.0 144°34	1°1/23.9	18		<b>49393</b>	1998 <i>XC</i> <sub>28</sub>		2 25.0 171°57	5°8/19.4	18	
1 22	10 55.43	+ 9 39.3	2.038	2.860	12.9	21.3	1 22	10 59.21	+26 1.0	2.221	3.053	11.6	19.2
2 1	10 49.79	+10 28.3	1.967	2.871	9.5	21.1	2 1	10 52.60	+27 3.0	2.156	3.057	8.9	19.0
2 11	10 42.16	+11 27.2	1.922	2.882	5.6	20.9	2 11	10 43.86	+28 1.0	2.118	3.060	6.6	18.9
2 21	10 33.23	+12 30.1	1.906	2.892	1.7	20.6	2 21	10 33.73	+28 47.5	2.109	3.063	5.9	18.8
3 2	10 23.91	+13 30.6	1.919	2.901	3.2	20.7	3 2	10 23.23	+29 16.6	2.128	3.065	7.3	18.9
3 12	10 15.23	+14 22.7	1.962	2.910	7.1	21.0	3 12	10 13.43	+29 24.8	2.176	3.066	9.8	19.1
3 22	10 8.02	+15 2.3	2.032	2.918	10.7	21.2	3 22	10 5.25	+29 12.2	2.248	3.067	12.4	19.2
4 1	10 2.90	+15 27.4	2.125	2.926	13.8	21.5	4 1	9 59.30	+28 41.0	2.341	3.067	14.7	19.4
<b>92710</b>	2000 <i>QL</i> <sub>87</sub>		2 25.0 66°03	1°7/26.2	18		<b>504320</b>	2007 <i>RH</i> <sub>136</sub>		2 25.0 225°19	1°9/22.9	17	
1 22	10 56.85	+ 3 59.1	1.379	2.205	17.7	18.5	1 22	10 54.76	+14 54.7	2.664	3.486	10.2	23.1
2 1	10 51.48	+ 4 2.8	1.321	2.222	13.4	18.3	2 1	10 49.04	+15 23.2	2.571	3.475	7.5	22.9
2 11	10 43.43	+ 4 24.4	1.284	2.239	8.5	18.1	2 11	10 41.64	+15 55.5	2.505	3.463	4.5	22.7
2 21	10 33.62	+ 4 59.5	1.272	2.256	3.3	17.8	2 21	10 33.10	+16 27.3	2.468	3.451	2.1	22.5
3 2	10 23.38	+ 5 41.7	1.286	2.273	3.2	17.8	3 2	10 24.13	+16 54.4	2.462	3.438	3.4	22.6
3 12	10 14.16	+ 6 23.4	1.327	2.290	8.1	18.2	3 12	10 15.54	+17 13.1	2.487	3.425	6.4	22.7
3 22	10 7.07	+ 6 58.3	1.393	2.307	12.7	18.5	3 22	10 8.06	+17 21.2	2.540	3.411	9.4	22.9
4 1	10 2.81	+ 7 22.1	1.480	2.325	16.5	18.8	4 1	10 2.25	+17 17.9	2.617	3.397	12.0	23.1
<b>190715</b>	2001 <i>KQ</i> <sub>7</sub>		2 25.0 181°02	0°6/24.5	18		<b>459306</b>	2012 <i>GY</i> <sub>27</sub>		2 25.0 294°78	2°9/27.7	17	
1 22	10 56.99	+ 7 51.8	1.874	2.693	14.0	21.1	1 22	10 49.33	- 2 14.0	1.743	2.543	15.6	21.3
2 1	10 51.21	+ 8 36.9	1.793	2.694	10.4	20.9	2 1	10 45.80	- 1 38.2	1.648	2.530	12.3	21.0
2 11	10 43.17	+ 9 34.7	1.737	2.695	6.2	20.6	2 11	10 40.06	- 0 38.5	1.575	2.517	8.4	20.8
2 21	10 33.56	+10 39.8	1.709	2.696	1.7	20.3	2 21	10 32.71	+ 0 42.6	1.527	2.504	4.4	20.5
3 2	10 23.39	+11 45.0	1.711	2.695	3.1	20.4	3 2	10 24.67	+ 2 18.8	1.507	2.492	3.3	20.4
3 12	10 13.83	+12 43.4	1.741	2.693	7.5	20.7	3 12	10 17.07	+ 4 1.0	1.515	2.479	7.1	20.6
3 22	10 5.87	+13 29.6	1.799	2.691	11.6	20.9	3 22	10 10.91	+ 5 39.7	1.550	2.467	11.4	20.8
4 1	10 0.22	+14 0.9	1.879	2.687	15.0	21.2	4 1	10 7.00	+ 7 6.8	1.607	2.455	15.3	21.0
<b>465663</b>	2009 <i>SD</i> <sub>44</sub>		2 25.0 58°38	1°8/23.7	18		<b>69264</b>	<i>Nebra</i>		2 25.0 196°75	0°6/24.4	18	
1 22	10 56.93	+12 51.3	1.669	2.506	14.5	20.9	1 22	10 55.02	+ 8 14.6	2.079	2.897	12.8	20.6
2 1	10 51.08	+13 12.5	1.616	2.528	10.6	20.7	2 1	10 49.61	+ 8 58.7	1.993	2.894	9.5	20.3
2 11	10 42.96	+13 40.3	1.587	2.549	6.3	20.5	2 11	10 42.15	+ 9 54.1	1.932	2.890	5.7	20.1
2 21	10 33.44	+14 8.7	1.585	2.571	2.2	20.3	2 21	10 33.27	+10 56.0	1.899	2.886	1.6	19.8
3 2	10 23.67	+14 32.0	1.611	2.593	3.8	20.5	3 2	10 23.87	+11 58.1	1.897	2.881	2.9	19.9
3 12	10 14.86	+14 45.4	1.665	2.615	8.0	20.8	3 12	10 14.97	+12 54.1	1.924	2.875	7.0	20.1
3 22	10 7.91	+14 46.6	1.744	2.637	11.9	21.0	3 22	10 7.44	+13 39.1	1.978	2.869	10.8	20.3
4 1	10 3.43	+14 35.0	1.845	2.659	15.1	21.3	4 1	10 1.98	+14 10.4	2.056	2.861	14.0	20.5
<b>242951</b>	2006 <i>RX</i> <sub>90</sub>		2 25.0 205°81	0°6/25.6	17		<b>228202</b>	5058 <i>T</i> <sub>-3</sub>		2 25.0 160°71	4°8/19.8	18	
1 22	10 50.13	+ 5 17.2	2.482	3.290	11.3	21.4	1 22	10 55.73	+23 24.0	2.404	3.239	10.7	21.3
2 1	10 45.66	+ 5 43.4	2.395	3.289	8.5	21.2	2 1	10 49.86	+24 26.5	2.340	3.245	8.1	21.2
2 11	10 39.61	+ 6 20.5	2.333	3.287	5.2	21.0	2 11	10 42.15	+25 27.3	2.302	3.251	5.7	21.0
2 21	10 32.49	+ 7 5.1	2.300	3.285	1.8	20.7	2 21	10 33.24	+26 19.9	2.294	3.256	4.8	21.0
3 2	10 25.00	+ 7 52.9	2.296	3.283	2.0	20.7	3 2	10 23.98	+26 58.5	2.315	3.260	6.2	21.1
3 12	10 17.90	+ 8 39.4	2.323	3.280	5.5	21.0	3 12	10 15.32	+27 19.6	2.364	3.264	8.7	21.2
3 22	10 11.88	+ 9 20.2	2.377	3.278	8.8	21.2	3 22	10 8.04	+27 22.4	2.439	3.268	11.3	21.4
4 1	10 7.47	+ 9 52.4	2.456	3.276	11.6	21.3	4 1	10 2.70	+27 7.9	2.536	3.271	13.5	21.6
<b>411183</b>	2010 <i>GD</i> <sub>144</sub>		2 25.0 304°48	4°9/21.5	18		<b>188684</b>	2005 <i>SA</i> <sub>236</sub>		2 25.0 281°93	2°3/23.2	18	
1 22	10 53.85	+16 32.5	1.304	2.165	16.3	21.0	1 22	10 55.69	+13 50.6	1.803	2.640	13.6	19.7
2 1	10 50.00	+17 40.0	1.222	2.145	12.2	20.7	2 1	10 50.56	+14 21.1	1.708	2.620	10.1	19.4
2 11	10 43.01	+18 57.6	1.162	2.126	7.7	20.4	2 11	10 42.96	+14 59.0	1.638	2.599	6.1	19.1
2 21	10 33.63	+20 14.8	1.126	2.106	4.9	20.2	2 21	10 33.57	+15 38.3	1.594	2.579	2.5	18.8
3 2	10 23.21	+21 19.8	1.116	2.087	7.4	20.3	3 2	10 23.39	+16 12.5	1.579	2.558	4.4	18.9
3 12	10 13.45	+22 2.5	1.130	2.069	12.2	20.5	3 12	10 13.70	+16 35.5	1.591	2.537	8.7	19.1
3 22	10 5.85	+22 18.2	1.166	2.051	17.1	20.7	3 22	10 5.60	+16 43.7	1.629	2.516	12.9	19.3
4 1	10 1.47	+22 6.8	1.219	2.033	21.2	20.9	4 1	9 59.94	+16 36.0	1.689	2.495	16.5	19.5
<b>127005</b>	<i>Pratchett</i>		2 25.0 263°67	2°1/23.2	18		<b>169362</b>	2001 <i>UV</i> <sub>84</sub>		2 25.0 46°84	5°7/19.3	18	
1 22	10 53.65	+10 43.6	1.727	2.563	14.2	20.3	1 22	10 53.70	+25 14.8	2.149	2.992	11.5	19.7
2 1	10 49.15	+11 49.4	1.632	2.544	10.5	20.1	2 1	10 48.55	+26 14.8	2.090	2.998	8.8	19.6
2 11	10 42.18	+13 9.2	1.561	2.524	6.3	19.8	2 11	10 41.43	+27 11.3	2.057	3.003	6.5	19.4
2 21	10 33.34	+14 36.1	1.518	2.503	2.3	19.5	2 21	10 33.03	+27 57.3	2.052	3.009	5.7	19.4
3 2	10 23.67	+16 1.0	1.503	2.483	4.5	19.6	3 2	10 24.31	+28 27.0	2.074	3.015	7.1	19.5
3 12	10 14.41	+17 14.7	1.516	2.461	9.1	19.8	3 12	10 16.26	+28 36.8	2.124	3.021	9.7	19.7
3 22	10 6.74	+18 10.8	1.554	2.440	13.5	20.0	3 22	10 9.73	+28 26.6	2.197	3.028	12.3	19.8
4 1	10 1.52	+18 46.1	1.613	2.418	17.3	20.2	4 1	10 5.29	+27 57.9	2.292	3.034	14.6	20.0
<b>130051</b>	1999 <i>VK</i> <sub>168</sub>		2 25.0 183°08	1°9/26.6	18		<b>58225</b>	1993 <i>FY</i> <sub>20</sub>		2 25.0 3°40	0°6/24.5	17	</

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2 25.0

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>223622</b>	2004 JX <sub>15</sub>		2 25.0 214°58	4.7/29.8	17	R	<b>237641</b>	2001 SE <sub>93</sub>		2 25.0 102°50	1.9/26.5	18	
1 22	10 52.53	- 7 35.3	2.371	3.118	13.5	20.8	1 22	10 54.76	+ 1 19.6	1.509	2.323	17.0	21.1
2 1	10 47.61	- 7 37.4	2.269	3.110	11.1	20.6	2 1	10 49.86	+ 1 54.0	1.443	2.336	13.0	20.9
2 11	10 40.89	- 7 20.6	2.191	3.102	8.3	20.4	2 11	10 42.46	+ 2 49.7	1.398	2.349	8.3	20.7
2 21	10 32.91	- 6 45.1	2.139	3.093	5.8	20.3	2 21	10 33.39	+ 4 1.8	1.380	2.362	3.5	20.4
3 2	10 24.41	- 5 53.3	2.115	3.084	4.7	20.2	3 2	10 23.84	+ 5 22.5	1.388	2.375	3.0	20.4
3 12	10 16.25	- 4 50.0	2.121	3.074	6.3	20.3	3 12	10 15.12	+ 6 42.3	1.425	2.387	7.7	20.7
3 22	10 9.22	- 3 41.3	2.155	3.063	9.1	20.4	3 22	10 8.29	+ 7 53.0	1.487	2.399	12.2	21.0
4 1	10 3.95	- 2 33.2	2.214	3.052	12.0	20.6	4 1	10 4.06	+ 8 49.0	1.570	2.411	16.0	21.3
<b>52204</b>	3219 T <sub>-3</sub>		2 25.0 348°35	0.4/25.4	18		<b>472095</b>	2014 AB <sub>2</sub>		2 25.0 115°00	3.0/21.4	16	
1 22	10 50.75	+ 5 57.4	1.956	2.777	13.3	19.3	1 22	10 51.96	+17 34.7	2.630	3.463	10.0	21.5
2 1	10 46.51	+ 6 23.0	1.874	2.775	10.0	19.1	2 1	10 46.87	+18 33.4	2.571	3.480	7.3	21.4
2 11	10 40.30	+ 7 1.4	1.817	2.774	6.2	18.9	2 11	10 40.26	+19 34.2	2.538	3.496	4.6	21.2
2 21	10 32.74	+ 7 48.7	1.786	2.772	2.0	18.6	2 21	10 32.70	+20 31.7	2.535	3.512	3.0	21.2
3 2	10 24.71	+ 8 39.4	1.784	2.771	2.5	18.6	3 2	10 24.89	+21 20.8	2.562	3.527	4.3	21.3
3 12	10 17.20	+ 9 27.5	1.811	2.770	6.7	18.9	3 12	10 17.59	+21 57.7	2.619	3.542	6.9	21.5
3 22	10 11.07	+10 7.9	1.864	2.769	10.5	19.1	3 22	10 11.44	+22 20.5	2.703	3.557	9.5	21.6
4 1	10 6.96	+10 37.1	1.940	2.768	13.8	19.3	4 1	10 6.91	+22 29.0	2.809	3.571	11.7	21.8
<b>189478</b>	1999 UR <sub>7</sub>		2 25.0 134°73	3.2/28.5	18		<b>60033</b>	1999 TV <sub>92</sub>		2 25.0 196°30	3.0/22.7	18	
1 22	10 51.49	- 3 36.7	2.362	3.133	12.9	20.5	1 22	10 57.73	+13 30.2	1.568	2.408	15.2	20.1
2 1	10 46.68	- 3 20.8	2.281	3.143	10.2	20.3	2 1	10 52.22	+14 29.4	1.493	2.406	11.2	19.9
2 11	10 40.23	- 2 47.9	2.224	3.153	7.2	20.2	2 11	10 44.00	+15 38.5	1.442	2.404	6.8	19.6
2 21	10 32.70	- 2 0.1	2.193	3.163	4.3	20.0	2 21	10 33.88	+16 49.0	1.418	2.401	3.1	19.4
3 2	10 24.81	- 1 1.1	2.193	3.172	3.3	19.9	3 2	10 23.08	+17 51.7	1.421	2.398	5.2	19.5
3 12	10 17.40	+ 0 3.6	2.222	3.181	5.6	20.1	3 12	10 13.03	+18 38.7	1.452	2.394	9.8	19.7
3 22	10 11.15	+ 1 8.4	2.279	3.189	8.6	20.3	3 22	10 4.92	+19 5.9	1.508	2.390	14.0	20.0
4 1	10 6.62	+ 2 8.1	2.361	3.197	11.4	20.5	4 1	9 59.59	+19 12.4	1.584	2.384	17.7	20.2
<b>377174</b>	2003 UR <sub>38</sub>		2 25.0 180°46	4.9/19.5	17		<b>503140</b>	2015 GX <sub>15</sub>		2 25.0 218°01	0.4/25.4	17	
1 22	10 54.31	+23 46.6	2.420	3.257	10.6	21.5	1 22	10 50.46	+ 5 54.4	2.379	3.191	11.6	21.6
2 1	10 48.86	+24 52.0	2.352	3.258	8.0	21.3	2 1	10 45.99	+ 6 21.6	2.293	3.189	8.7	21.4
2 11	10 41.59	+25 55.8	2.311	3.258	5.8	21.1	2 11	10 39.86	+ 6 59.6	2.232	3.187	5.3	21.2
2 21	10 33.10	+26 51.4	2.298	3.258	5.0	21.1	2 21	10 32.62	+ 7 45.0	2.199	3.185	1.7	20.9
3 2	10 24.23	+27 33.0	2.315	3.258	6.4	21.2	3 2	10 24.99	+ 8 33.2	2.197	3.183	2.1	21.0
3 12	10 15.90	+27 57.0	2.360	3.257	8.8	21.3	3 12	10 17.77	+ 9 19.4	2.223	3.180	5.8	21.2
3 22	10 8.90	+28 2.1	2.430	3.256	11.4	21.5	3 22	10 11.67	+ 9 59.2	2.278	3.178	9.1	21.4
4 1	10 3.80	+27 49.4	2.521	3.255	13.6	21.7	4 1	10 7.27	+10 29.6	2.356	3.176	12.0	21.6
<b>229520</b>	2005 WY <sub>185</sub>		2 25.0 53°49	5.8/ 1.0	18		<b>466886</b>	2015 DU <sub>97</sub>		2 25.0 135°69	0.8/24.1	17	
1 22	10 52.57	- 7 10.4	1.659	2.434	17.4	19.8	1 22	10 49.91	+ 8 26.3	2.404	3.225	11.2	20.9
2 1	10 48.01	- 7 25.9	1.596	2.453	14.1	19.7	2 1	10 45.54	+ 9 24.0	2.328	3.231	8.2	20.8
2 11	10 41.23	- 7 16.7	1.553	2.472	10.5	19.5	2 11	10 39.56	+10 31.6	2.278	3.237	4.9	20.6
2 21	10 33.01	- 6 43.6	1.534	2.492	7.1	19.3	2 21	10 32.53	+11 44.2	2.256	3.243	1.4	20.3
3 2	10 24.39	- 5 50.5	1.541	2.512	5.8	19.3	3 2	10 25.15	+12 55.9	2.266	3.249	2.7	20.4
3 12	10 16.54	- 4 44.6	1.575	2.532	7.7	19.5	3 12	10 18.21	+14 1.1	2.305	3.254	6.1	20.7
3 22	10 10.38	- 3 34.0	1.634	2.552	10.9	19.7	3 22	10 12.41	+14 55.5	2.371	3.259	9.3	20.9
4 1	10 6.55	- 2 26.8	1.717	2.573	14.1	19.9	4 1	10 8.25	+15 36.4	2.462	3.264	12.1	21.1
<b>298803</b>	2004 RJ <sub>8</sub>		2 25.0 155°47	0.2/24.9	18		<b>210551</b>	1999 TP <sub>4</sub>		2 25.0 112°88	12.8/ 8.6	18	
1 22	10 58.34	+ 8 18.9	1.784	2.604	14.5	21.4	1 22	10 53.39	-24 26.5	1.342	2.032	24.5	20.2
2 1	10 52.24	+ 8 38.6	1.709	2.611	10.8	21.1	2 1	10 49.43	-24 44.6	1.269	2.043	21.9	20.0
2 11	10 43.79	+ 9 9.2	1.659	2.617	6.5	20.9	2 11	10 42.51	-24 16.0	1.210	2.053	18.7	19.8
2 21	10 33.77	+ 9 46.3	1.636	2.622	1.9	20.6	2 21	10 33.48	-22 55.5	1.169	2.063	15.6	19.7
3 2	10 23.25	+10 23.8	1.642	2.627	2.9	20.7	3 2	10 23.72	-20 43.6	1.148	2.073	13.3	19.6
3 12	10 13.46	+10 56.0	1.677	2.632	7.5	21.0	3 12	10 14.84	-17 50.6	1.152	2.082	12.9	19.6
3 22	10 5.40	+11 18.8	1.738	2.635	11.6	21.2	3 22	10 8.17	-14 34.3	1.179	2.091	14.7	19.7
4 1	9 59.79	+11 29.5	1.822	2.639	15.1	21.4	4 1	10 4.58	-11 14.4	1.230	2.099	17.6	19.9
<b>373296</b>	2012 HY <sub>60</sub>		2 25.0 266°83	1.8/26.6	17		<b>133423</b>	2003 SS <sub>190</sub>		2 25.0 112°91	0.4/25.4	18	
1 22	10 51.71	+ 2 2.1	1.865	2.674	14.4	21.7	1 22	10 51.93	+ 6 2.7	2.114	2.929	12.7	20.0
2 1	10 47.39	+ 2 24.6	1.775	2.666	11.1	21.5	2 1	10 47.20	+ 6 31.7	2.037	2.935	9.5	19.8
2 11	10 40.93	+ 3 4.2	1.708	2.658	7.2	21.2	2 11	10 40.64	+ 7 12.6	1.986	2.941	5.8	19.6
2 21	10 32.96	+ 3 57.9	1.668	2.650	3.1	20.9	2 21	10 32.85	+ 8 1.1	1.961	2.947	1.8	19.3
3 2	10 24.39	+ 5 0.3	1.656	2.642	2.7	20.9	3 2	10 24.68	+ 8 52.3	1.967	2.953	2.3	19.4
3 12	10 16.30	+ 6 4.4	1.672	2.634	6.8	21.1	3 12	10 17.05	+ 9 40.3	2.001	2.959	6.3	19.6
3 22	10 9.64	+ 7 3.5	1.715	2.626	10.9	21.4	3 22	10 10.73	+10 20.7	2.063	2.964	9.9	19.9
4 1	10 5.13	+ 7 52.3	1.781	2.618	14.5	21.6	4 1	10 6.32	+10 50.4	2.148	2.970	12.9	20.1
<b>282139</b>	2001 QL <sub>157</sub>		2 25.0 153°28	0.9/26.1	17		<b>355802</b>	2008 SA <sub>242</sub>		2 25.0 205°48	3.5/22.1	18	
1 22	10 50.29	+ 3 29.5	2.930	3.724	10.1	21.7	1 22	10 58.17	+15 44.1	1.741	2.579	14.0	21.6
2 1	10 45.52	+ 4 1.0	2.848	3.732	7.6	21.6	2 1	10 52.38	+16 44.3	1.663	2.575	10.4	21.3
2 11	10 39.42	+ 4 42.7	2.792	3.740	4.8	21.4	2 11	10 44.03	+17 51.2	1.609	2.569	6.4	21.1
2 21	10 32.45	+ 5 31.7	2.765	3.748	1.9	21.2	2 21	10 33.90	+18 57.0	1.583	2.563	3.6	20.9
3 2	10 25.21	+ 6 24.4	2.769	3.755	1.8	21.2	3 2	10 23.10	+19 53.0	1.585	2.557	5.6	21.0
3 12	10 18.34	+ 7 16.4	2.804	3.762	4.7	21.4	3 12	10 12.98	+20 32.5	1.615	2.549	9.6	21.2
3 22	10 12.40	+ 8 4.1	2.868	3.768	7.5	21.6	3 22	10 4.64	+20 52.3	1.671	2.541	13.5	21.4
4 1	10 7.83	+ 8 44.5	2.959	3.773	9.9	21.8	4 1	9 58.89	+20 52.0	1.747	2.532	16.9	21.6
<b>236177</b>	2005 VS <sub>56</sub>		2 25.0 149°60	4.4/21.3	18		<b>328635</b>	2009 SF <sub>205</sub>		2 25.0 283°20	6.0/ 1.6	18	
1 22	10 57.88	+17 19.8	1.655										

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2 25.0

2 25.0

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>34455</b>	2000 SW <sub>87</sub>		2 25.0 154°98	2°5/21.9	18		<b>212901</b>	2007 WR <sub>18</sub>		2 25.0 133°96	0°4/25.4	18	
1 22	10 50.73	+16 12.3	2.666	3.499	9.9	19.2	1 22	10 54.54	+5 20.6	1.766	2.584	14.7	21.5
2 1	10 46.02	+17 4.0	2.593	3.502	7.2	19.0	2 1	10 49.46	+5 56.7	1.693	2.592	11.0	21.3
2 11	10 39.80	+17 59.1	2.547	3.506	4.4	18.8	2 11	10 42.15	+6 47.9	1.644	2.600	6.8	21.1
2 21	10 32.60	+18 52.6	2.530	3.510	2.6	18.7	2 21	10 33.35	+7 49.1	1.621	2.607	2.1	20.8
3 2	10 25.08	+19 39.7	2.543	3.513	3.9	18.8	3 2	10 24.07	+8 53.6	1.628	2.614	2.7	20.8
3 12	10 18.00	+20 16.2	2.586	3.516	6.7	19.0	3 12	10 15.47	+9 53.9	1.663	2.621	7.2	21.1
3 22	10 11.98	+20 40.0	2.656	3.519	9.4	19.2	3 22	10 8.49	+10 44.3	1.724	2.627	11.4	21.4
4 1	10 7.54	+20 50.1	2.749	3.521	11.7	19.3	4 1	10 3.83	+11 21.1	1.808	2.633	14.8	21.6
<b>250853</b>	2005 UQ <sub>248</sub>		2 25.0 238°00	0°7/25.9	17		<b>422842</b>	2002 EH <sub>125</sub>		2 25.0 183°77	2°5/27.3	17	
1 22	10 49.06	+4 38.1	2.682	3.486	10.6	21.4	1 22	10 52.06	-6 22.6	1.152	1.960	21.6	20.8
2 1	10 44.81	+5 3.5	2.591	3.482	8.0	21.2	2 1	10 48.75	-4 20.4	1.073	1.960	17.0	20.5
2 11	10 39.10	+5 39.4	2.525	3.477	5.0	21.0	2 11	10 42.29	-1 28.8	1.014	1.960	11.3	20.2
2 21	10 32.41	+6 22.8	2.488	3.473	1.8	20.8	2 21	10 33.50	+2 4.5	0.979	1.960	5.1	19.8
3 2	10 25.36	+7 9.9	2.482	3.468	1.9	20.8	3 2	10 23.76	+6 1.2	0.973	1.960	3.6	19.7
3 12	10 18.65	+7 56.4	2.505	3.463	5.1	21.0	3 12	10 14.80	+9 55.5	0.994	1.959	9.8	20.1
3 22	10 12.92	+8 38.3	2.557	3.458	8.2	21.2	3 22	10 8.11	+13 24.4	1.042	1.958	15.8	20.4
4 1	10 8.65	+9 12.5	2.633	3.453	10.9	21.4	4 1	10 4.68	+16 14.0	1.111	1.956	20.8	20.7
<b>295954</b>	2008 XJ <sub>55</sub>		2 25.0 351°58	0°1/24.9	18		<b>203399</b>	2001 XP <sub>155</sub>		2 25.0 8°60	2°2/23.5	18	
1 22	10 53.37	+9 0.6	2.115	2.937	12.5	20.4	1 22	10 52.21	+10 31.3	1.243	2.099	17.3	19.6
2 1	10 48.31	+9 7.4	2.034	2.936	9.3	20.2	2 1	10 48.55	+11 27.9	1.178	2.099	12.8	19.3
2 11	10 41.33	+9 22.6	1.977	2.935	5.6	20.0	2 11	10 41.97	+12 39.8	1.135	2.100	7.6	19.0
2 21	10 33.07	+9 42.6	1.947	2.934	1.6	19.7	2 21	10 33.35	+13 58.1	1.116	2.102	2.6	18.7
3 2	10 24.39	+10 3.3	1.948	2.933	2.5	19.8	3 2	10 24.06	+15 11.9	1.122	2.104	4.9	18.9
3 12	10 16.23	+10 20.4	1.977	2.933	6.5	20.0	3 12	10 15.66	+16 10.9	1.153	2.107	10.2	19.2
3 22	10 9.43	+10 30.7	2.033	2.932	10.1	20.2	3 22	10 9.45	+16 49.0	1.207	2.110	15.1	19.5
4 1	10 4.59	+10 32.1	2.112	2.932	13.2	20.4	4 1	10 6.24	+17 4.2	1.280	2.115	19.2	19.7
<b>288588</b>	2004 JE <sub>16</sub>		2 25.0 243°84	4°8/2.1	17		<b>300315</b>	2007 PE <sub>35</sub>		2 25.0 143°77	0°3/24.8	18	
1 22	10 49.17	-10 52.1	2.917	3.638	11.8	21.2	1 22	10 56.76	+7 34.6	1.917	2.734	13.8	21.6
2 1	10 44.89	-10 51.4	2.805	3.623	9.9	21.1	2 1	10 50.91	+8 9.7	1.846	2.745	10.2	21.4
2 11	10 39.17	-10 33.3	2.716	3.607	7.7	20.9	2 11	10 42.94	+8 56.4	1.799	2.756	6.2	21.2
2 21	10 32.44	-9 57.7	2.653	3.592	5.8	20.8	2 21	10 33.57	+9 49.6	1.780	2.766	1.7	20.9
3 2	10 25.29	-9 6.3	2.619	3.576	4.8	20.7	3 2	10 23.77	+10 43.3	1.790	2.775	2.8	21.0
3 12	10 18.37	-8 2.9	2.614	3.559	5.7	20.7	3 12	10 14.66	+11 31.2	1.830	2.784	7.1	21.3
3 22	10 12.31	-6 52.3	2.638	3.542	7.8	20.8	3 22	10 7.13	+12 8.7	1.897	2.792	10.9	21.5
4 1	10 7.63	-5 39.9	2.688	3.525	10.2	20.9	4 1	10 1.83	+12 33.2	1.987	2.799	14.2	21.7
<b>325706</b>	2009 UR <sub>73</sub>		2 25.0 205°18	2°8/22.4	17		<b>242346</b>	2004 BH <sub>2</sub>		2 25.0 28°91	2°5/27.0	18	
1 22	10 54.98	+15 41.9	2.127	2.960	12.0	21.4	1 22	10 52.66	+1 54.6	1.828	2.636	14.7	19.7
2 1	10 49.56	+16 26.6	2.047	2.957	8.8	21.2	2 1	10 47.98	+1 43.5	1.755	2.643	11.3	19.5
2 11	10 42.12	+17 16.1	1.993	2.953	5.4	21.0	2 11	10 41.22	+1 47.4	1.705	2.651	7.5	19.3
2 21	10 33.31	+18 4.3	1.967	2.949	2.8	20.8	2 21	10 33.07	+2 4.2	1.681	2.660	3.7	19.1
3 2	10 24.03	+18 45.2	1.971	2.944	4.5	20.9	3 2	10 24.51	+2 30.2	1.685	2.669	3.1	19.1
3 12	10 15.30	+19 14.0	2.004	2.940	7.9	21.1	3 12	10 16.58	+3 0.0	1.716	2.679	6.6	19.3
3 22	10 7.97	+19 27.9	2.063	2.934	11.3	21.3	3 22	10 10.17	+3 28.6	1.774	2.688	10.4	19.6
4 1	10 2.71	+19 26.3	2.144	2.929	14.2	21.5	4 1	10 5.93	+3 51.7	1.855	2.699	13.7	19.8
<b>172039</b>	2001 WZ <sub>58</sub>		2 25.0 0°88	4°6/21.3	18		<b>148919</b>	2001 XG <sub>51</sub>		2 25.0 92°49	1°8/23.5	18	
1 22	10 52.32	+20 0.2	1.676	2.530	13.6	18.9	1 22	10 53.38	+11 30.3	1.805	2.641	13.7	20.1
2 1	10 48.01	+20 41.8	1.610	2.528	10.1	18.7	2 1	10 48.61	+12 15.6	1.732	2.644	10.0	19.9
2 11	10 41.34	+21 24.3	1.568	2.527	6.6	18.5	2 11	10 41.65	+13 10.3	1.685	2.647	6.0	19.6
2 21	10 33.10	+22 0.4	1.552	2.527	4.7	18.4	2 21	10 33.21	+14 8.1	1.664	2.649	2.1	19.4
3 2	10 24.40	+22 23.0	1.562	2.528	6.4	18.5	3 2	10 24.30	+15 2.0	1.671	2.652	3.9	19.5
3 12	10 16.48	+22 27.7	1.599	2.530	9.9	18.7	3 12	10 16.04	+15 45.7	1.707	2.655	8.0	19.7
3 22	10 10.31	+22 13.0	1.660	2.533	13.4	18.9	3 22	10 9.37	+16 14.9	1.768	2.658	11.9	20.0
4 1	10 6.59	+21 40.2	1.740	2.537	16.5	19.1	4 1	10 4.97	+16 28.0	1.851	2.661	15.2	20.2
<b>161897</b>	2007 DQ <sub>41</sub>		2 25.0 66°68	0°1/25.1	18		<b>237608</b>	2001 QQ <sub>78</sub>		2 25.0 137°88	4°4/2.2	18	
1 22	10 53.95	+5 12.5	1.257	2.097	18.2	20.1	1 22	10 49.47	-10 33.8	2.933	3.655	11.7	20.3
2 1	10 49.67	+6 4.7	1.198	2.108	13.6	19.9	2 1	10 44.96	-10 23.7	2.846	3.666	9.7	20.1
2 11	10 42.53	+7 17.8	1.159	2.120	8.3	19.6	2 11	10 39.13	-9 56.3	2.782	3.677	7.5	20.0
2 21	10 33.48	+8 44.3	1.145	2.132	2.4	19.3	2 21	10 32.44	-9 12.3	2.745	3.687	5.4	19.9
3 2	10 23.87	+10 13.2	1.157	2.143	3.5	19.4	3 2	10 25.46	-8 14.4	2.737	3.697	4.4	19.8
3 12	10 15.24	+11 33.4	1.195	2.155	9.1	19.8	3 12	10 18.85	-7 6.6	2.759	3.707	5.4	19.9
3 22	10 8.81	+12 36.8	1.257	2.168	14.0	20.1	3 22	10 13.16	-5 53.9	2.810	3.716	7.4	20.0
4 1	10 5.34	+13 19.3	1.338	2.180	18.2	20.4	4 1	10 8.85	-4 41.5	2.888	3.725	9.5	20.2
<b>286181</b>	2001 UA <sub>47</sub>		2 25.0 97°77	3°5/21.2	18		<b>348164</b>	2004 HY <sub>63</sub>		2 25.0 267°21	6°6/16.2	17	
1 22	10 52.88	+19 12.1	2.426	3.262	10.6	20.6	1 22	10 52.08	+29 23.3	2.477	3.316	10.3	20.6
2 1	10 47.67	+20 4.4	2.367	3.277	7.8	20.4	2 1	10 47.45	+30 55.0	2.404	3.301	8.3	20.5
2 11	10 40.80	+20 57.5	2.335	3.292	5.0	20.3	2 11	10 40.90	+32 22.8	2.358	3.287	6.9	20.4
2 21	10 32.90	+21 45.8	2.332	3.307	3.5	20.2	2 21	10 33.01	+33 39.0	2.340	3.272	6.8	20.3
3 2	10 24.74	+22 24.2	2.359	3.321	4.9	20.3	3 2	10 24.59	+34 36.9	2.349	3.257	8.2	20.4
3 12	10 17.16	+22 49.1	2.414	3.335	7.5	20.5	3 12	10 16.60	+35 12.4	2.385	3.242	10.4	20.5
3 22	10 10.86	+22 58.9	2.496	3.349	10.2	20.7	3 22	10 9.88	+35 24.6	2.445	3.227	12.6	20.6
4 1	10 6.33	+22 53.9	2.600	3.363	12.5	20.9	4 1	10 5.08	+35 14.7	2.523	3.212	14.6	20.8
<b>87363</b>	2000 QX <sub>45</sub>		2 25.0 158°91	0°6/25.6	18		<b>10095</b>	Carloewe		2 25.0 257°76	3°6/28.9	18	
1 22	10 52.88	+5 2.5	2.078	2.889	13.0								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>431241</b>	2006 TX <sub>25</sub>		2 25.0 131°22	3°2/21.7 17			<b>134010</b>	2004 VW <sub>28</sub>		2 25.0 80°56	0°3/25.2 18		
1 22	10 52.66	+18 28.3	2.441	3.276	10.5	21.2	1 22	10 56.58	+6 12.4	1.474	2.302	16.6	20.5
2 1	10 47.58	+19 9.6	2.369	3.279	7.8	21.0	2 1	10 51.19	+6 43.7	1.417	2.322	12.4	20.3
2 11	10 40.81	+19 52.5	2.323	3.281	4.9	20.8	2 11	10 43.26	+7 30.6	1.383	2.341	7.5	20.1
2 21	10 32.94	+20 31.8	2.306	3.283	3.2	20.7	2 21	10 33.70	+8 27.0	1.374	2.360	2.3	19.8
3 2	10 24.74	+21 2.6	2.319	3.286	4.6	20.8	3 2	10 23.77	+9 25.2	1.393	2.379	3.1	19.9
3 12	10 17.06	+21 21.2	2.361	3.288	7.4	21.0	3 12	10 14.81	+10 17.2	1.439	2.398	8.0	20.3
3 22	10 10.61	+21 25.9	2.429	3.290	10.2	21.2	3 22	10 7.85	+10 57.5	1.511	2.417	12.4	20.6
4 1	10 5.92	+21 16.7	2.520	3.292	12.6	21.3	4 1	10 3.57	+11 22.9	1.603	2.435	16.1	20.8
<b>49704</b>	1999 VR <sub>15</sub>		2 25.0 213°99	0°9/25.7 18			<b>206227</b>	2002 VY <sub>103</sub>		2 25.0 54°72	6°1/ 2.0 18		
1 22	10 56.83	+5 15.1	1.439	2.265	17.0	19.7	1 22	10 52.55	-9 37.7	1.967	2.716	15.9	19.4
2 1	10 51.74	+5 30.8	1.360	2.263	12.9	19.4	2 1	10 47.70	-10 0.4	1.905	2.741	13.1	19.3
2 11	10 43.84	+6 3.8	1.304	2.261	8.1	19.1	2 11	10 40.96	-10 0.3	1.864	2.767	10.1	19.1
2 21	10 33.93	+6 49.6	1.272	2.258	2.8	18.8	2 21	10 33.01	-9 37.9	1.848	2.793	7.3	19.0
3 2	10 23.25	+7 41.4	1.268	2.255	3.1	18.8	3 2	10 24.77	-8 55.8	1.858	2.819	6.1	19.0
3 12	10 13.32	+8 31.0	1.290	2.251	8.5	19.1	3 12	10 17.20	-7 59.9	1.896	2.845	7.3	19.1
3 22	10 5.39	+9 11.5	1.337	2.248	13.4	19.4	3 22	10 11.08	-6 56.9	1.961	2.871	9.8	19.3
4 1	10 0.33	+9 38.4	1.405	2.244	17.6	19.6	4 1	10 6.99	-5 53.8	2.049	2.898	12.4	19.5
<b>385944</b>	2006 UW <sub>187</sub>		2 25.0 171°12	2°4/27.7 17			<b>305820</b>	2009 DR <sub>124</sub>		2 25.0 61°67	1°0/25.8 18		
1 22	10 51.72	-0 25.6	2.816	3.592	10.9	21.7	1 22	10 54.41	+3 21.4	1.354	2.183	17.8	21.1
2 1	10 46.67	-0 26.8	2.726	3.594	8.5	21.5	2 1	10 49.69	+4 4.9	1.304	2.207	13.3	20.9
2 11	10 40.20	-0 16.4	2.661	3.597	5.8	21.4	2 11	10 42.39	+5 8.8	1.274	2.231	8.2	20.6
2 21	10 32.76	+0 4.2	2.625	3.599	3.2	21.2	2 21	10 33.45	+6 26.2	1.270	2.255	2.9	20.4
3 2	10 25.00	+0 32.5	2.619	3.600	2.6	21.2	3 2	10 24.17	+7 47.8	1.292	2.279	3.0	20.5
3 12	10 17.59	+1 5.0	2.643	3.601	4.9	21.3	3 12	10 15.92	+9 3.7	1.341	2.303	8.1	20.8
3 22	10 11.16	+1 38.0	2.696	3.602	7.6	21.5	3 22	10 9.75	+10 6.4	1.415	2.327	12.7	21.1
4 1	10 6.17	+2 8.1	2.775	3.603	10.2	21.7	4 1	10 6.28	+10 51.6	1.510	2.351	16.4	21.4
<b>445906</b>	2012 WO <sub>25</sub>		2 25.0 65°33	0°8/24.5 18			<b>463776</b>	2014 SB <sub>207</sub>		2 25.0 117°65	3°3/21.9 18		
1 22	10 58.92	+9 39.8	1.234	2.078	18.2	21.1	1 22	10 56.47	+16 50.3	2.088	2.922	12.2	21.0
2 1	10 53.35	+9 57.6	1.178	2.092	13.5	20.8	2 1	10 50.52	+17 48.7	2.031	2.941	8.9	20.8
2 11	10 44.74	+10 28.4	1.145	2.107	8.1	20.6	2 11	10 42.63	+18 50.1	2.000	2.959	5.5	20.6
2 21	10 34.14	+11 5.5	1.135	2.122	2.3	20.3	2 21	10 33.50	+19 47.8	1.997	2.976	3.3	20.5
3 2	10 23.08	+11 40.9	1.151	2.137	3.9	20.4	3 2	10 24.08	+20 35.6	2.025	2.993	4.9	20.6
3 12	10 13.20	+12 7.1	1.194	2.152	9.4	20.8	3 12	10 15.39	+21 8.6	2.081	3.009	8.1	20.9
3 22	10 5.77	+12 17.1	1.259	2.167	14.3	21.1	3 22	10 8.23	+21 25.2	2.163	3.025	11.2	21.1
4 1	10 1.51	+12 17.1	1.345	2.182	18.3	21.4	4 1	10 3.18	+21 25.2	2.267	3.040	13.9	21.3
<b>34265</b>	2000 QC <sub>125</sub>		2 25.0 112°80	2°4/22.2 18			<b>469726</b>	2005 MG <sub>54</sub>		2 25.0 235°51	0°6/25.9 17		
1 22	10 51.39	+15 34.3	2.622	3.453	10.1	19.6	1 22	10 48.95	+3 24.2	2.814	3.612	10.4	22.1
2 1	10 46.48	+16 25.7	2.558	3.467	7.3	19.5	2 1	10 44.75	+4 14.5	2.712	3.599	7.8	21.9
2 11	10 40.08	+17 20.4	2.521	3.480	4.4	19.3	2 11	10 39.12	+5 17.1	2.636	3.587	4.9	21.7
2 21	10 32.73	+18 13.6	2.513	3.494	2.4	19.2	2 21	10 32.50	+6 28.8	2.590	3.574	1.8	21.5
3 2	10 25.11	+19 0.4	2.536	3.507	3.8	19.3	3 2	10 25.47	+7 45.0	2.574	3.561	1.8	21.4
3 12	10 17.99	+19 36.8	2.588	3.520	6.5	19.5	3 12	10 18.72	+9 0.3	2.590	3.547	5.1	21.6
3 22	10 11.98	+20 0.7	2.667	3.532	9.2	19.7	3 22	10 12.84	+10 10.1	2.635	3.533	8.1	21.8
4 1	10 7.57	+20 11.2	2.769	3.544	11.6	19.9	4 1	10 8.37	+11 10.4	2.706	3.519	10.8	22.0
<b>330709</b>	2008 VY <sub>7</sub>		2 25.0 164°16	1°6/23.3 18			<b>481399</b>	2006 SA <sub>80</sub>		2 25.1 208°36	9°6/ 4.6 18		
1 22	10 51.18	+9 56.3	2.096	2.925	12.3	20.9	1 22	10 52.47	-18 3.9	1.195	1.940	24.4	22.0
2 1	10 46.76	+11 8.7	2.019	2.927	9.0	20.7	2 1	10 49.14	-17 32.5	1.110	1.938	21.0	21.7
2 11	10 40.46	+12 32.1	1.968	2.930	5.3	20.4	2 11	10 42.62	-16 9.1	1.040	1.935	16.9	21.4
2 21	10 32.88	+14 0.1	1.946	2.932	1.9	20.2	2 21	10 33.68	-13 49.3	0.990	1.931	12.6	21.2
3 2	10 24.86	+15 25.1	1.954	2.933	3.6	20.3	3 2	10 23.70	-10 37.8	0.964	1.928	9.7	21.0
3 12	10 17.34	+16 40.1	1.990	2.935	7.3	20.6	3 12	10 14.45	-6 51.6	0.963	1.923	10.8	21.0
3 22	10 11.12	+17 40.2	2.054	2.936	10.8	20.8	3 22	10 7.47	-2 55.1	0.988	1.919	14.9	21.2
4 1	10 6.84	+18 23.0	2.140	2.937	13.8	21.0	4 1	10 3.81	+0 47.7	1.036	1.913	19.6	21.5
<b>34399</b>	Hachiojihigashi		2 25.0 168°49	4°8/29.7 18			<b>168791</b>	2000 SQ <sub>43</sub>		2 25.1 230°35	0°6/25.7 14 C		
1 22	10 52.96	-6 45.5	2.181	2.937	14.3	18.9	1 22	10 56.36	+4 23.5	2.524	3.317	11.6	24.0
2 1	10 48.02	-6 55.9	2.093	2.940	11.6	18.8	2 1	10 50.47	+5 3.1	2.412	3.297	8.8	23.8
2 11	10 41.20	-6 47.1	2.027	2.942	8.7	18.6	2 11	10 42.71	+5 55.5	2.326	3.277	5.5	23.6
2 21	10 33.10	-6 19.5	1.987	2.944	5.9	18.4	2 21	10 33.60	+6 57.4	2.270	3.254	1.9	23.3
3 2	10 24.53	-5 35.6	1.976	2.945	4.8	18.3	3 2	10 23.85	+8 4.0	2.245	3.231	2.2	23.3
3 12	10 16.41	-4 40.4	1.993	2.947	6.6	18.4	3 12	10 14.35	+9 9.6	2.252	3.206	5.9	23.5
3 22	10 9.56	-3 40.0	2.037	2.948	9.5	18.6	3 22	10 5.92	+10 9.1	2.289	3.180	9.5	23.6
4 1	10 4.60	-2 40.6	2.107	2.948	12.4	18.8	4 1	9 59.22	+10 58.6	2.351	3.153	12.6	23.8
<b>327413</b>	2005 VY <sub>91</sub>		2 25.0 236°24	1°0/25.9 17			<b>245664</b>	2006 AU <sub>31</sub>		2 25.1 26°74	2°4/23.7 18		
1 22	10 52.53	+4 5.4	1.959	2.771	13.7	21.8	1 22	10 57.96	+13 35.3	1.173	2.029	18.1	20.4
2 1	10 47.92	+4 30.7	1.871	2.766	10.4	21.5	2 1	10 52.91	+13 50.6	1.114	2.035	13.4	20.2
2 11	10 41.25	+5 10.7	1.807	2.760	6.6	21.3	2 11	10 44.63	+14 14.3	1.077	2.041	8.0	19.9
2 21	10 33.14	+6 1.7	1.770	2.754	2.4	21.0	2 21	10 34.17	+14 38.9	1.063	2.048	3.0	19.6
3 2	10 24.48	+6 58.5	1.762	2.748	2.5	21.0	3 2	10 23.14	+14 56.3	1.074	2.056	5.0	19.7
3 12	10 16.30	+7 54.6	1.782	2.742	6.7	21.2	3 12	10 13.29	+15 0.2	1.110	2.065	10.4	20.1
3 22	10 9.51	+8 44.2	1.829	2.736	10.6	21.5	3 22	10 5.98	+14 48.0	1.168	2.074	15.3	20.4
4 1	10 4.79	+9 23.1	1.900	2.729	14.1	21.7	4 1	10 1.99	+14 19.7	1.245	2.084	19.4	20.7
<b>337896</b>	2001 XH <sub>35</sub>		2 25.0 83°52	6°1/ 2.2 17			<b>46332</b>	2001 QD <sub>276</sub>		2 25.1 133°58	3°8/20.9 18		
1 22	10 52.70	-10 50.6	2.401	3.128	13.9	20.7	1 22	10 54.26	+20 51.1	2.444	3.		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>376712</b>	1995 <i>TQ</i> <sub>9</sub>		2 25.1 298°07	3°3/22.5	17		<b>207691</b>	2007 <i>RS</i> <sub>23</sub>		2 25.1 138°48	1°7/26.6	18	
1 22	10 55.76	+16 45.4	1.802	2.644	13.4	20.8	1 22	10 54.34	+1 20.1	1.799	2.603	15.1	20.9
2 1	10 50.56	+17 16.8	1.719	2.632	10.0	20.5	2 1	10 49.32	+1 57.1	1.725	2.613	11.5	20.7
2 11	10 42.96	+17 52.3	1.660	2.621	6.2	20.3	2 11	10 42.11	+2 52.6	1.673	2.622	7.4	20.4
2 21	10 33.69	+18 25.4	1.628	2.610	3.3	20.1	2 21	10 33.44	+4 2.5	1.648	2.630	3.1	20.2
3 2	10 23.79	+18 49.7	1.625	2.599	5.1	20.2	3 2	10 24.30	+5 20.2	1.652	2.639	2.7	20.2
3 12	10 14.50	+19 0.0	1.648	2.588	9.0	20.4	3 12	10 15.80	+6 37.6	1.685	2.646	6.9	20.5
3 22	10 6.89	+18 54.1	1.697	2.577	12.8	20.6	3 22	10 8.88	+7 47.5	1.745	2.653	10.9	20.7
4 1	10 1.70	+18 31.8	1.767	2.566	16.2	20.8	4 1	10 4.21	+8 44.9	1.828	2.660	14.4	20.9
<b>223294</b>	2003 <i>HO</i> <sub>55</sub>		2 25.1 314°26	2°3/23.1	18		<b>296126</b>	2009 <i>BE</i> <sub>71</sub>		2 25.1 122°76	4°8/21.1	18	
1 22	10 52.85	+12 48.0	1.754	2.596	13.7	20.4	1 22	10 58.97	+19 30.9	1.717	2.559	14.0	20.9
2 1	10 48.37	+13 35.6	1.677	2.591	10.1	20.1	2 1	10 52.82	+20 38.9	1.662	2.573	10.4	20.7
2 11	10 41.62	+14 32.1	1.624	2.587	6.1	19.9	2 11	10 44.22	+21 48.3	1.631	2.587	6.8	20.5
2 21	10 33.28	+15 31.0	1.598	2.582	2.5	19.7	2 21	10 34.04	+22 50.4	1.627	2.600	4.8	20.4
3 2	10 24.39	+16 24.7	1.599	2.578	4.4	19.8	3 2	10 23.48	+23 37.1	1.652	2.613	6.7	20.6
3 12	10 16.10	+17 6.6	1.629	2.574	8.5	20.0	3 12	10 13.83	+24 3.1	1.704	2.625	10.1	20.8
3 22	10 9.42	+17 32.6	1.683	2.571	12.5	20.2	3 22	10 6.12	+24 7.5	1.780	2.637	13.5	21.0
4 1	10 5.08	+17 41.1	1.758	2.567	15.9	20.4	4 1	10 1.00	+23 51.7	1.877	2.648	16.4	21.3
<b>337917</b>	2001 <i>XP</i> <sub>136</sub>		2 25.1 71°37	4°8/19.7	18		<b>246225</b>	2007 <i>RX</i> <sub>209</sub>		2 25.1 209°68	2°7/22.8	18	
1 22	10 51.82	+22 19.2	2.267	3.111	11.0	20.2	1 22	10 56.92	+13 59.2	1.815	2.650	13.6	21.4
2 1	10 47.12	+23 28.8	2.208	3.118	8.2	20.1	2 1	10 51.38	+14 49.3	1.735	2.645	10.1	21.2
2 11	10 40.62	+24 37.8	2.175	3.126	5.7	19.9	2 11	10 43.46	+15 47.0	1.679	2.640	6.1	20.9
2 21	10 32.95	+25 39.2	2.170	3.134	4.8	19.9	2 21	10 33.86	+16 45.6	1.650	2.634	2.8	20.7
3 2	10 24.95	+26 26.9	2.194	3.142	6.3	20.0	3 2	10 23.65	+17 37.4	1.651	2.627	4.7	20.8
3 12	10 17.53	+26 57.0	2.245	3.150	8.8	20.1	3 12	10 14.06	+18 16.1	1.680	2.620	8.8	21.0
3 22	10 11.45	+27 8.0	2.321	3.158	11.5	20.3	3 22	10 6.12	+18 37.9	1.734	2.613	12.7	21.2
4 1	10 7.27	+27 0.7	2.418	3.166	13.8	20.5	4 1	10 0.61	+18 42.0	1.810	2.605	16.0	21.4
<b>169380</b>	2001 <i>UD</i> <sub>193</sub>		2 25.1 40°21	3°1/28.1	18		<b>163685</b>	2002 <i>YK</i> <sub>33</sub>		2 25.1 105°54	0°2/24.8	18	
1 22	10 49.66	- 2 0.9	2.045	2.836	14.0	19.9	1 22	10 52.34	+ 8 16.1	2.357	3.174	11.5	20.4
2 1	10 45.62	- 1 49.5	1.969	2.844	11.0	19.7	2 1	10 47.34	+ 8 43.1	2.286	3.185	8.5	20.2
2 11	10 39.77	- 1 20.3	1.916	2.853	7.6	19.5	2 11	10 40.69	+ 9 18.7	2.240	3.197	5.1	20.0
2 21	10 32.72	- 0 35.6	1.889	2.862	4.3	19.3	2 21	10 32.99	+ 9 59.1	2.222	3.209	1.5	19.8
3 2	10 25.29	+ 0 20.3	1.890	2.872	3.3	19.3	3 2	10 24.98	+10 39.7	2.235	3.220	2.3	19.8
3 12	10 18.39	+ 1 21.5	1.919	2.882	6.0	19.5	3 12	10 17.50	+11 15.9	2.277	3.231	5.9	20.1
3 22	10 12.78	+ 2 21.7	1.976	2.892	9.4	19.7	3 22	10 11.23	+11 44.4	2.347	3.242	9.1	20.3
4 1	10 9.04	+ 3 15.6	2.057	2.902	12.5	19.9	4 1	10 6.69	+12 3.0	2.441	3.253	11.9	20.5
<b>310960</b>	2003 <i>UB</i> <sub>108</sub>		2 25.1 210°48	3°5/27.6	18		<b>170115</b>	2002 <i>XV</i> <sub>105</sub>		2 25.1 147°03	3°2/28.6	17	
1 22	10 56.94	- 0 24.8	1.840	2.631	15.3	20.7	1 22	10 52.17	- 3 8.5	2.607	3.373	12.0	20.6
2 1	10 51.34	- 0 41.7	1.751	2.627	12.1	20.4	2 1	10 47.12	- 3 12.7	2.522	3.380	9.5	20.5
2 11	10 43.42	- 0 42.0	1.684	2.623	8.3	20.2	2 11	10 40.55	- 3 2.8	2.460	3.387	6.7	20.3
2 21	10 33.84	- 0 26.7	1.644	2.618	4.6	20.0	2 21	10 32.95	- 2 40.0	2.426	3.393	4.1	20.2
3 2	10 23.61	+ 0 1.1	1.632	2.613	3.8	19.9	3 2	10 25.01	- 2 6.7	2.422	3.399	3.3	20.1
3 12	10 13.90	+ 0 36.1	1.648	2.608	7.1	20.1	3 12	10 17.48	- 1 26.9	2.448	3.405	5.3	20.2
3 22	10 5.75	+ 1 12.7	1.691	2.602	11.1	20.3	3 22	10 11.00	- 0 45.0	2.502	3.410	8.1	20.4
4 1	9 59.94	+ 1 45.4	1.757	2.595	14.6	20.5	4 1	10 6.10	- 0 5.2	2.582	3.415	10.7	20.6
<b>18994</b>	Nhannguyen		2 25.1 138°75	3°9/21.9	18		<b>375756</b>	2009 <i>SJ</i> <sub>77</sub>		2 25.1 282°14	5°0/29.9	17	
1 22	10 58.80	+17 38.3	1.794	2.632	13.6	18.8	1 22	10 49.67	- 8 12.6	1.889	2.654	15.9	20.7
2 1	10 52.63	+18 32.5	1.731	2.642	10.1	18.6	2 1	10 46.06	- 7 47.4	1.782	2.634	13.1	20.4
2 11	10 44.09	+19 29.9	1.693	2.652	6.3	18.3	2 11	10 40.31	- 6 55.1	1.695	2.615	9.8	20.2
2 21	10 34.00	+20 22.7	1.683	2.661	3.9	18.2	2 21	10 32.97	- 5 36.2	1.634	2.595	6.5	19.9
3 2	10 23.50	+21 3.6	1.701	2.670	5.7	18.3	3 2	10 24.90	- 3 54.7	1.600	2.575	5.0	19.8
3 12	10 13.83	+21 27.5	1.748	2.678	9.3	18.6	3 12	10 17.15	- 1 58.7	1.595	2.555	7.2	19.9
3 22	10 5.98	+21 32.6	1.819	2.685	12.8	18.8	3 22	10 10.72	+ 0 1.7	1.616	2.535	10.9	20.0
4 1	10 0.62	+21 19.7	1.912	2.692	15.8	19.0	4 1	10 6.40	+ 1 56.7	1.662	2.515	14.6	20.2
<b>495109</b>	2011 <i>UF</i> <sub>190</sub>		2 25.1 96°23	5°0/21.3	18		<b>286088</b>	2001 <i>TT</i> <sub>24</sub>		2 25.1 202°77	0°5/25.4	18	
1 22	11 0.53	+20 4.9	1.649	2.491	14.4	21.1	1 22	10 57.93	+ 6 9.1	1.902	2.713	14.1	21.7
2 1	10 53.91	+21 7.6	1.603	2.514	10.7	20.9	2 1	10 52.02	+ 6 30.0	1.813	2.708	10.7	21.4
2 11	10 44.81	+22 10.4	1.581	2.537	7.0	20.7	2 11	10 43.81	+ 7 3.9	1.749	2.703	6.6	21.2
2 21	10 34.18	+23 4.2	1.586	2.559	5.0	20.7	2 21	10 33.98	+ 7 46.9	1.711	2.697	2.1	20.9
3 2	10 23.31	+23 41.5	1.620	2.581	6.8	20.8	3 2	10 23.50	+ 8 33.3	1.704	2.690	2.6	20.9
3 12	10 13.51	+23 57.9	1.681	2.602	10.2	21.1	3 12	10 13.56	+ 9 16.9	1.726	2.682	7.2	21.2
3 22	10 5.80	+23 53.0	1.766	2.623	13.5	21.3	3 22	10 5.18	+ 9 52.8	1.775	2.674	11.3	21.4
4 1	10 0.77	+23 29.0	1.871	2.643	16.4	21.6	4 1	9 59.10	+10 17.5	1.847	2.664	14.9	21.6
<b>101002</b>	1998 <i>QE</i> <sub>46</sub>		2 25.1 106°22	0°3/25.3	18		<b>76706</b>	2000 <i>HV</i> <sub>92</sub>		2 25.1 221°29	0°9/24.1	18	
1 22	10 56.51	+ 4 39.8	1.569	2.389	16.2	20.5	1 22	10 51.98	+ 7 25.3	2.208	3.025	12.2	19.6
2 1	10 51.06	+ 5 34.5	1.510	2.410	12.1	20.3	2 1	10 47.39	+ 8 40.6	2.115	3.016	9.0	19.3
2 11	10 43.18	+ 6 46.7	1.473	2.430	7.3	20.1	2 11	10 40.93	+10 9.8	2.048	3.007	5.4	19.1
2 21	10 33.74	+ 8 9.6	1.463	2.449	2.2	19.8	2 21	10 33.12	+11 47.1	2.010	2.996	1.6	18.8
3 2	10 23.90	+ 9 34.5	1.482	2.468	2.9	19.9	3 2	10 24.75	+13 25.0	2.003	2.986	3.0	18.9
3 12	10 14.95	+10 52.3	1.529	2.486	7.8	20.3	3 12	10 16.76	+14 55.8	2.026	2.974	7.0	19.1
3 22	10 7.89	+11 56.2	1.601	2.504	12.1	20.5	3 22	10 9.97	+16 13.6	2.078	2.962	10.6	19.3
4 1	10 3.38	+12 42.7	1.696	2.521	15.7	20.8	4 1	10 5.05	+17 14.5	2.152	2.950	13.7	19.5
<b>520958</b>	2014 <i>YO</i> <sub>59</sub>		2 25.1 38°87	1°3/23.9	17		<b>181459</b>	2006 <i>TM</i> <sub>44</sub>		2 25.1 36°72	3°0/22.8	18	

EPHEMERIDES

2 25.1

2 25.1

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>423217</b>	2004 <i>RE</i> <sub>158</sub>	2 25.1 279°17' 0°4/24.8 17					<b>245703</b>	2006 <i>BX</i> <sub>248</sub>	2 25.1 336°47' 0°3/24.9 18				
1 22	10 57.85	+10 4.3	1.932	2.753	13.5	21.1	1 22	10 57.40	+9 6.9	1.383	2.222	16.9	20.2
2 1	10 52.12	+10 5.7	1.828	2.730	10.2	20.8	2 1	10 52.28	+9 12.5	1.309	2.219	12.7	20.0
2 11	10 43.99	+10 15.1	1.748	2.706	6.2	20.6	2 11	10 44.25	+9 30.4	1.256	2.217	7.7	19.7
2 21	10 34.07	+10 28.9	1.696	2.682	1.8	20.2	2 21	10 34.16	+9 55.7	1.228	2.215	2.2	19.3
3 2	10 23.35	+10 42.6	1.673	2.658	2.9	20.2	3 2	10 23.34	+10 21.8	1.227	2.213	3.5	19.4
3 12	10 13.01	+10 51.6	1.679	2.633	7.5	20.5	3 12	10 13.36	+10 42.1	1.252	2.211	8.9	19.7
3 22	10 4.15	+10 52.5	1.712	2.609	11.8	20.7	3 22	10 5.49	+10 51.9	1.301	2.210	13.8	20.0
4 1	9 57.61	+10 43.1	1.767	2.584	15.5	20.8	4 1	10 0.60	+10 48.6	1.370	2.209	18.0	20.2
<b>173812</b>	2001 <i>SO</i> <sub>277</sub>	2 25.1 81°65' 8°5/6.6 18					<b>240283</b>	2003 <i>CV</i> <sub>11</sub>	2 25.1 146°14' 3°7/20.4 18				
1 22	10 50.03	-20 42.5	2.430	3.092	15.3	19.7	1 22	10 49.92	+17 57.7	2.383	3.224	10.6	20.4
2 1	10 45.80	-21 13.4	2.345	3.100	13.5	19.6	2 1	10 45.72	+19 23.6	2.312	3.225	7.8	20.2
2 11	10 39.88	-21 19.8	2.278	3.107	11.5	19.5	2 11	10 39.83	+20 53.2	2.269	3.227	5.0	20.0
2 21	10 32.79	-20 59.9	2.233	3.115	9.8	19.3	2 21	10 32.79	+22 19.8	2.255	3.228	3.7	20.0
3 2	10 25.29	-20 14.1	2.214	3.122	8.6	19.3	3 2	10 25.35	+23 36.4	2.271	3.230	5.3	20.1
3 12	10 18.22	-19 6.4	2.220	3.130	8.7	19.3	3 12	10 18.36	+24 37.6	2.316	3.231	8.1	20.2
3 22	10 12.30	-17 42.8	2.252	3.137	9.9	19.4	3 22	10 12.54	+25 20.5	2.386	3.232	10.9	20.4
4 1	10 8.11	-16 10.8	2.309	3.145	11.7	19.5	4 1	10 8.46	+25 44.5	2.478	3.234	13.3	20.6
<b>196834</b>	2003 <i>SZ</i> <sub>247</sub>	2 25.1 131°66' 0°4/25.4 18					<b>474086</b>	2016 <i>JM</i> <sub>36</sub>	2 25.1 276°03' 6°4/1.8 17				
1 22	10 52.05	+5 51.0	2.190	3.003	12.4	20.5	1 22	10 51.56	-10 1.8	2.014	2.760	15.6	21.1
2 1	10 47.30	+6 22.4	2.112	3.009	9.3	20.3	2 1	10 47.34	-10 23.2	1.911	2.745	13.1	20.9
2 11	10 40.77	+7 5.5	2.060	3.015	5.7	20.1	2 11	10 41.04	-10 22.1	1.829	2.731	10.3	20.7
2 21	10 33.05	+7 56.4	2.035	3.021	1.8	19.9	2 21	10 33.21	-9 57.3	1.771	2.716	7.6	20.5
3 2	10 24.95	+8 49.7	2.040	3.026	2.3	19.9	3 2	10 24.68	-9 10.2	1.740	2.701	6.4	20.4
3 12	10 17.36	+9 40.1	2.075	3.032	6.1	20.2	3 12	10 16.49	-8 5.5	1.736	2.686	7.8	20.4
3 22	10 11.03	+10 23.1	2.136	3.037	9.6	20.4	3 22	10 9.58	-6 50.5	1.758	2.670	10.6	20.5
4 1	10 6.55	+10 55.3	2.222	3.042	12.6	20.6	4 1	10 4.71	-5 32.9	1.805	2.655	13.8	20.7
<b>193047</b>	2000 <i>FW</i> <sub>11</sub>	2 25.1 349°97' 10°9/18.5 18					<b>189460</b>	1999 <i>RQ</i> <sub>98</sub>	2 25.1 139°86' 0°8/26.1 18				
1 22	11 11.08	+39 7.3	1.726	2.539	15.2	18.4	1 22	10 52.07	+3 17.2	2.627	3.422	11.1	21.3
2 1	11 2.14	+39 39.6	1.666	2.534	13.0	18.3	2 1	10 47.01	+3 57.9	2.551	3.436	8.4	21.1
2 11	10 49.92	+39 52.5	1.629	2.530	11.4	18.2	2 11	10 40.46	+4 50.2	2.500	3.449	5.3	20.9
2 21	10 35.71	+39 36.0	1.616	2.526	11.0	18.1	2 21	10 32.95	+5 50.8	2.478	3.462	2.0	20.7
3 2	10 21.25	+38 44.4	1.629	2.523	12.1	18.2	3 2	10 25.15	+6 54.9	2.488	3.474	1.9	20.7
3 12	10 8.34	+37 18.3	1.668	2.521	14.3	18.3	3 12	10 17.79	+7 57.6	2.528	3.485	5.1	21.0
3 22	9 58.26	+35 24.0	1.729	2.519	16.7	18.5	3 22	10 11.50	+8 54.3	2.597	3.496	8.2	21.2
4 1	9 51.67	+33 10.1	1.810	2.518	19.0	18.7	4 1	10 6.77	+9 41.8	2.692	3.506	10.8	21.4
<b>211831</b>	2004 <i>ES</i> <sub>76</sub>	2 25.1 240°02' 0°7/25.9 17					<b>501124</b>	2013 <i>TH</i> <sub>24</sub>	2 25.1 240°88' 5°4/1.5 17				
1 22	10 49.69	+4 5.2	2.641	3.443	10.9	21.1	1 22	10 51.08	-9 1.0	2.148	2.897	14.7	21.7
2 1	10 45.40	+4 42.0	2.542	3.432	8.2	20.9	2 1	10 46.79	-9 3.7	2.050	2.889	12.2	21.5
2 11	10 39.58	+5 30.7	2.469	3.420	5.1	20.7	2 11	10 40.60	-8 44.5	1.973	2.881	9.3	21.3
2 21	10 32.71	+6 28.1	2.424	3.409	1.8	20.4	2 21	10 33.05	-8 3.5	1.922	2.873	6.6	21.1
3 2	10 25.41	+7 29.9	2.410	3.396	1.9	20.4	3 2	10 24.95	-7 3.2	1.898	2.864	5.4	21.0
3 12	10 18.41	+8 30.9	2.426	3.384	5.3	20.6	3 12	10 17.22	-5 49.0	1.902	2.856	6.9	21.1
3 22	10 12.38	+9 26.7	2.471	3.371	8.5	20.8	3 22	10 10.70	-4 28.1	1.934	2.847	9.8	21.2
4 1	10 7.85	+10 13.6	2.541	3.358	11.3	21.0	4 1	10 6.08	-3 7.7	1.990	2.838	12.8	21.4
<b>496119</b>	2010 <i>AH</i> <sub>69</sub>	2 25.1 61°39' 4°0/28.0 18					<b>430880</b>	2005 <i>QW</i> <sub>98</sub>	2 25.1 211°52' 0°9/23.9 17				
1 22	10 56.52	-1 5.9	1.907	2.693	15.0	20.9	1 22	10 50.19	+10 22.7	2.831	3.650	9.8	22.1
2 1	10 50.80	-1 42.0	1.832	2.704	11.9	20.7	2 1	10 45.64	+11 2.9	2.742	3.644	7.2	21.9
2 11	10 42.96	-2 2.6	1.780	2.714	8.3	20.5	2 11	10 39.67	+11 50.1	2.680	3.639	4.3	21.7
2 21	10 33.71	-2 8.0	1.755	2.725	5.0	20.3	2 21	10 32.73	+12 40.3	2.647	3.633	1.3	21.5
3 2	10 24.01	-2 0.6	1.758	2.736	4.2	20.3	3 2	10 25.45	+13 29.4	2.645	3.627	2.5	21.6
3 12	10 14.96	-1 44.3	1.789	2.747	6.8	20.5	3 12	10 18.49	+14 13.2	2.673	3.620	5.5	21.8
3 22	10 7.46	-1 24.0	1.847	2.758	10.3	20.7	3 22	10 12.47	+14 48.4	2.729	3.613	8.4	22.0
4 1	10 2.17	-1 4.6	1.928	2.769	13.4	20.9	4 1	10 7.89	+15 13.1	2.810	3.606	10.9	22.1
<b>500626</b>	2012 <i>UE</i> <sub>157</sub>	2 25.1 6°44' 1°3/26.2 17					<b>421651</b>	2014 <i>OY</i> <sub>341</sub>	2 25.1 141°80' 0°1/24.9 18				
1 22	10 53.08	+4 43.4	2.248	3.054	12.4	21.1	1 22	10 56.41	+7 6.8	2.047	2.859	13.2	22.6
2 1	10 48.04	+4 41.1	2.164	3.054	9.4	20.9	2 1	10 50.58	+7 42.1	1.975	2.872	9.8	22.4
2 11	10 41.22	+4 49.4	2.104	3.054	6.0	20.7	2 11	10 42.77	+8 28.7	1.928	2.884	5.9	22.2
2 21	10 33.19	+5 6.0	2.071	3.054	2.4	20.5	2 21	10 33.65	+9 21.8	1.909	2.896	1.7	21.9
3 2	10 24.75	+5 27.4	2.069	3.055	2.3	20.5	3 2	10 24.15	+10 15.7	1.921	2.906	2.6	22.0
3 12	10 16.78	+5 49.7	2.095	3.055	5.8	20.7	3 12	10 15.29	+11 4.6	1.962	2.916	6.7	22.3
3 22	10 10.05	+6 9.0	2.149	3.055	9.3	20.9	3 22	10 7.90	+11 43.9	2.031	2.926	10.3	22.5
4 1	10 5.15	+6 22.3	2.228	3.056	12.3	21.1	4 1	10 2.59	+12 11.1	2.123	2.934	13.4	22.8
<b>224235</b>	2005 <i>SY</i> <sub>89</sub>	2 25.1 227°17' 1°3/26.3 17					<b>445865</b>	2012 <i>TC</i> <sub>69</sub>	2 25.1 104°73' 0°8/25.7 18				
1 22	10 53.14	+3 4.8	2.130	2.932	13.1	21.4	1 22	10 57.04	+4 30.4	1.397	2.223	17.5	22.1
2 1	10 48.29	+3 29.6	2.035	2.924	10.0	21.2	2 1	10 51.79	+5 3.2	1.334	2.236	13.2	21.8
2 11	10 41.49	+4 8.9	1.964	2.914	6.4	21.0	2 11	10 43.81	+5 54.9	1.293	2.249	8.1	21.6
2 21	10 33.30	+4 59.7	1.921	2.904	2.6	20.7	2 21	10 34.00	+6 59.7	1.277	2.262	2.7	21.3
3 2	10 24.55	+5 57.0	1.908	2.894	2.4	20.7	3 2	10 23.67	+8 9.2	1.288	2.275	3.1	21.3
3 12	10 16.21	+6 54.9	1.924	2.883	6.3	20.9	3 12	10 14.28	+9 14.0	1.326	2.287	8.3	21.7
3 22	10 9.12	+7 47.8	1.967	2.872	10.1	21.1	3 22	10 6.98	+10 7.0	1.389	2.298	13.1	22.0
4 1	10 3.98	+8 31.3	2.034	2.860	13.4	21.3	4 1	10 2.52	+10 44.0	1.472	2.310	17.0	22.3
<b>122304</b>	2000 <i>QT</i> <sub>5</sub>	2 25.1 221°83' 0°6/24.6 18					<b>80049</b>	1999 <i>JV</i> <sub>54</sub>	2 25.1 271°03' 0°6/24.4 17 R				
1 22	10 58.13	+9 27.0	1.783	2.606									

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>225004</b>	2007 <i>EM</i> <sub>166</sub>	2 25.1 263°71		1°3/26.3 17			<b>138024</b>	2000 <i>CW</i> <sub>131</sub>	2 25.1 153°51		0°2/25.2 18		
1 22	10 52.25	+ 3 17.1	2.016	2.824	13.5	20.8	1 22	10 54.12	+ 6 9.2	1.940	2.756	13.6	20.8
2 1	10 47.77	+ 3 39.5	1.919	2.811	10.4	20.5	2 1	10 49.07	+ 6 46.5	1.863	2.762	10.2	20.6
2 11	10 41.25	+ 4 17.1	1.846	2.797	6.6	20.3	2 11	10 41.96	+ 7 37.0	1.810	2.767	6.2	20.4
2 21	10 33.26	+ 5 6.7	1.799	2.782	2.7	20.0	2 21	10 33.47	+ 8 36.1	1.785	2.771	1.9	20.1
3 2	10 24.65	+ 6 3.4	1.781	2.768	2.5	19.9	3 2	10 24.51	+ 9 37.4	1.789	2.775	2.6	20.2
3 12	10 16.43	+ 7 0.9	1.793	2.753	6.6	20.2	3 12	10 16.13	+10 34.4	1.823	2.779	6.9	20.4
3 22	10 9.50	+ 7 53.3	1.831	2.739	10.5	20.4	3 22	10 9.22	+11 21.8	1.883	2.783	10.7	20.7
4 1	10 4.60	+ 8 36.0	1.893	2.724	14.0	20.6	4 1	10 4.43	+11 56.3	1.966	2.786	14.0	20.9
<b>205733</b>	2002 <i>AM</i> <sub>160</sub>	2 25.1 331°75		0°9/25.7 18			<b>245073</b>	2004 <i>GS</i> <sub>77</sub>	2 25.1 305°16		10°4/11.2 17		
1 22	10 49.33	+ 4 33.1	1.201	2.048	18.3	20.0	1 22	10 54.96	+39 55.9	2.140	2.964	12.3	20.0
2 1	10 46.71	+ 5 1.2	1.120	2.034	14.0	19.7	2 1	10 50.18	+41 47.8	2.086	2.950	10.9	19.9
2 11	10 41.13	+ 5 52.4	1.059	2.020	8.8	19.3	2 11	10 42.86	+43 26.6	2.057	2.937	10.4	19.9
2 21	10 33.32	+ 7 2.0	1.021	2.007	3.0	19.0	2 21	10 33.77	+44 42.5	2.052	2.925	10.9	19.9
3 2	10 24.55	+ 8 20.8	1.008	1.995	3.4	18.9	3 2	10 24.03	+45 28.3	2.072	2.912	12.3	19.9
3 12	10 16.43	+ 9 37.5	1.018	1.984	9.4	19.3	3 12	10 14.97	+45 41.0	2.113	2.899	14.1	20.0
3 22	10 10.39	+10 41.8	1.051	1.974	15.0	19.5	3 22	10 7.70	+45 22.2	2.174	2.887	16.0	20.2
4 1	10 7.42	+11 26.9	1.103	1.966	19.8	19.8	4 1	10 3.01	+44 35.9	2.250	2.875	17.6	20.3
<b>217081</b>	2001 <i>TV</i> <sub>120</sub>	2 25.1 207°73		5°0/29.9 17			<b>271181</b>	2003 <i>SZ</i> <sub>284</sub>	2 25.1 221°32		1°4/26.4 17		
1 22	10 54.22	- 7 56.4	2.408	3.149	13.5	20.8	1 22	10 53.43	+ 3 39.8	2.308	3.108	12.3	20.9
2 1	10 48.92	- 8 10.1	2.307	3.142	11.1	20.6	2 1	10 48.35	+ 3 48.2	2.215	3.102	9.4	20.7
2 11	10 41.80	- 8 5.8	2.229	3.135	8.5	20.4	2 11	10 41.46	+ 4 8.5	2.147	3.095	6.0	20.5
2 21	10 33.41	- 7 43.2	2.177	3.128	6.0	20.2	2 21	10 33.32	+ 4 38.2	2.106	3.089	2.5	20.2
3 2	10 24.47	- 7 4.3	2.154	3.119	5.0	20.2	3 2	10 24.70	+ 5 13.5	2.096	3.081	2.3	20.2
3 12	10 15.88	- 6 13.0	2.161	3.110	6.5	20.2	3 12	10 16.49	+ 5 50.0	2.115	3.074	5.8	20.4
3 22	10 8.42	- 5 15.1	2.195	3.101	9.1	20.4	3 22	10 9.46	+ 6 23.1	2.162	3.066	9.3	20.6
4 1	10 2.73	- 4 16.2	2.255	3.091	11.9	20.5	4 1	10 4.23	+ 6 49.5	2.233	3.058	12.4	20.8
<b>380161</b>	2000 <i>LD</i> <sub>16</sub>	2 25.1 231°65		2°2/27.6 18			<b>474894</b>	2005 <i>ST</i> <sub>177</sub>	2 25.1 218°21		3°5/29.7 17		
1 22	10 53.90	- 0 58.2	2.892	3.659	10.9	22.6	1 22	10 48.99	- 6 31.8	3.003	3.749	11.0	22.7
2 1	10 48.44	- 0 43.5	2.776	3.640	8.5	22.4	2 1	10 44.73	- 6 20.6	2.899	3.741	8.9	22.6
2 11	10 41.42	- 0 15.8	2.687	3.621	5.8	22.2	2 11	10 39.13	- 5 54.3	2.820	3.734	6.6	22.4
2 21	10 33.29	+ 0 23.3	2.626	3.600	3.2	22.0	2 21	10 32.62	- 5 13.9	2.768	3.726	4.4	22.3
3 2	10 24.64	+ 1 10.9	2.596	3.578	2.5	21.9	3 2	10 25.74	- 4 21.7	2.746	3.717	3.5	22.2
3 12	10 16.22	+ 2 2.9	2.598	3.555	5.0	22.0	3 12	10 19.14	- 3 21.7	2.754	3.708	4.9	22.3
3 22	10 8.68	+ 2 55.1	2.630	3.532	8.0	22.2	3 22	10 13.37	- 2 18.4	2.791	3.699	7.3	22.4
4 1	10 2.60	+ 3 43.4	2.688	3.507	10.7	22.3	4 1	10 8.91	- 1 16.3	2.854	3.690	9.7	22.5
<b>431555</b>	2007 <i>TU</i> <sub>448</sub>	2 25.1 89°48		6°3/18.5 18			<b>456875</b>	2007 <i>VP</i> <sub>76</sub>	2 25.1 143°01		1°2/24.1 18		
1 22	10 55.60	+28 14.7	2.248	3.085	11.3	21.0	1 22	10 56.32	+ 9 49.9	1.889	2.714	13.6	22.2
2 1	10 49.96	+29 18.6	2.196	3.096	8.8	20.9	2 1	10 50.71	+10 34.9	1.819	2.724	10.0	22.0
2 11	10 42.37	+30 16.6	2.170	3.106	6.9	20.8	2 11	10 42.95	+11 30.0	1.774	2.733	6.0	21.8
2 21	10 33.53	+31 1.6	2.171	3.116	6.4	20.7	2 21	10 33.76	+12 29.6	1.756	2.742	1.8	21.5
3 2	10 24.41	+31 28.0	2.200	3.126	7.7	20.8	3 2	10 24.14	+13 26.6	1.768	2.751	3.3	21.7
3 12	10 16.01	+31 33.2	2.256	3.136	9.9	21.0	3 12	10 15.20	+14 14.9	1.809	2.758	7.5	21.9
3 22	10 9.14	+31 17.4	2.336	3.146	12.3	21.2	3 22	10 7.85	+14 50.2	1.876	2.765	11.3	22.2
4 1	10 4.37	+30 43.0	2.436	3.156	14.4	21.3	4 1	10 2.74	+15 10.5	1.966	2.772	14.5	22.4
<b>178910</b>	2001 <i>PJ</i> <sub>21</sub>	2 25.1 103°23		1°9/23.4 18			<b>210498</b>	1998 <i>HZ</i> <sub>10</sub>	2 25.1 164°67		3°8/21.7 18		
1 22	10 57.34	+12 52.0	2.020	2.847	12.8	20.7	1 22	10 56.88	+17 16.1	1.900	2.738	13.0	20.8
2 1	10 51.18	+13 33.7	1.964	2.870	9.3	20.5	2 1	10 51.21	+18 19.0	1.831	2.743	9.6	20.6
2 11	10 43.06	+14 21.2	1.934	2.894	5.5	20.3	2 11	10 43.29	+19 26.2	1.788	2.746	6.0	20.4
2 21	10 33.73	+15 9.0	1.931	2.916	2.2	20.1	2 21	10 33.87	+20 29.8	1.772	2.750	3.8	20.3
3 2	10 24.15	+15 50.9	1.959	2.938	3.7	20.2	3 2	10 23.97	+21 22.4	1.786	2.753	5.6	20.4
3 12	10 15.35	+16 22.4	2.016	2.960	7.3	20.5	3 12	10 14.76	+21 58.3	1.827	2.755	9.1	20.6
3 22	10 8.13	+16 40.7	2.100	2.980	10.7	20.8	3 22	10 7.19	+22 15.2	1.894	2.757	12.5	20.8
4 1	10 3.04	+16 45.2	2.207	3.001	13.5	21.0	4 1	10 1.96	+22 13.1	1.982	2.758	15.5	21.0
<b>100443</b>	1996 <i>RS</i>	2 25.1 123°77		1°5/23.7 18			<b>323502</b>	2004 <i>QV</i> <sub>10</sub>	2 25.1 173°40		3°5/21.4 16		
1 22	10 58.24	+12 54.2	2.361	3.178	11.5	20.2	1 22	10 55.87	+19 24.0	2.512	3.342	10.5	21.8
2 1	10 51.62	+13 19.1	2.297	3.198	8.4	20.0	2 1	10 49.99	+20 13.9	2.439	3.345	7.8	21.6
2 11	10 43.25	+13 48.7	2.259	3.217	5.0	19.8	2 11	10 42.36	+21 4.9	2.393	3.348	5.0	21.4
2 21	10 33.79	+14 18.6	2.251	3.236	1.8	19.6	2 21	10 33.58	+21 51.4	2.376	3.350	3.5	21.3
3 2	10 24.08	+14 44.3	2.273	3.253	3.1	19.8	3 2	10 24.44	+22 28.2	2.390	3.352	4.9	21.4
3 12	10 15.03	+15 2.2	2.326	3.270	6.4	20.0	3 12	10 15.82	+22 51.5	2.433	3.353	7.6	21.6
3 22	10 7.38	+15 10.1	2.408	3.287	9.6	20.2	3 22	10 8.46	+22 59.8	2.503	3.353	10.3	21.8
4 1	10 1.63	+15 7.3	2.513	3.302	12.2	20.4	4 1	10 2.92	+22 53.2	2.596	3.353	12.7	21.9
<b>152878</b>	2000 <i>AT</i> <sub>140</sub>	2 25.1 107°86		2°3/23.1 18			<b>285120</b>	1995 <i>SN</i> <sub>21</sub>	2 25.1 290°25		1°1/24.1 17		
1 22	10 56.27	+10 8.5	1.477	2.316	16.0	20.0	1 22	10 54.48	+12 2.1	2.183	3.009	12.0	20.8
2 1	10 51.10	+11 32.4	1.420	2.333	11.7	19.8	2 1	10 49.31	+12 14.8	2.086	2.991	8.9	20.6
2 11	10 43.34	+13 10.0	1.386	2.349	6.9	19.6	2 11	10 42.15	+12 33.7	2.014	2.974	5.4	20.3
2 21	10 33.87	+14 51.4	1.379	2.365	2.6	19.3	2 21	10 33.57	+12 54.9	1.970	2.956	1.7	20.0
3 2	10 23.95	+16 25.7	1.401	2.380	4.8	19.5	3 2	10 24.40	+13 14.0	1.955	2.938	3.1	20.1
3 12	10 14.94	+17 43.3	1.450	2.395	9.4	19.8	3 12	10 15.65	+13 26.5	1.970	2.921	6.9	20.3
3 22	10 7.95	+18 39.0	1.523	2.410	13.6	20.1	3 22	10 8.18	+13 29.8	2.012	2.903	10.6	20.5
4 1	10 3.66	+19 11.3	1.617	2.424	17.1	20.4	4 1	10 2.69	+13 22.2	2.077	2.886	13.8	20.7
<b>138205</b>	2000 <i>EZ</i> <sub>148</sub>	2 25.1 249°66		2°1/22.7 17			<b>270564</b>	2002 <i>HU</i> <sub>9</sub>	2 25.1 14°65		2°9/22.9 18		
1 22	10 57.46	+15 14.9</											



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>66877</b>	1999 VT <sub>60</sub>		2 25.1	52°80	3°1/22.3	18	<b>376459</b>	2012 HS <sub>73</sub>		2 25.1	231°64	1°3/23.8	17
1 22	10 53.62	+15 51.8	1.953	2.793	12.6	19.3	1 22	10 54.15	+11 1.4	2.166	2.990	12.1	21.9
2 1	10 48.75	+16 40.9	1.881	2.794	9.3	19.1	2 1	10 49.06	+11 41.0	2.075	2.980	9.0	21.7
2 11	10 41.80	+17 35.0	1.833	2.794	5.7	18.9	2 11	10 41.99	+12 29.3	2.010	2.970	5.4	21.4
2 21	10 33.45	+18 27.5	1.814	2.795	3.1	18.7	2 21	10 33.54	+13 21.3	1.973	2.959	1.8	21.2
3 2	10 24.65	+19 11.8	1.823	2.796	4.8	18.8	3 2	10 24.54	+14 11.3	1.966	2.947	3.3	21.2
3 12	10 16.45	+19 42.7	1.860	2.797	8.4	19.1	3 12	10 15.97	+14 53.7	1.988	2.935	7.1	21.5
3 22	10 9.77	+19 57.3	1.923	2.797	11.8	19.3	3 22	10 8.70	+15 24.5	2.037	2.923	10.7	21.6
4 1	10 5.23	+19 55.2	2.007	2.798	14.8	19.5	4 1	10 3.39	+15 41.7	2.109	2.910	13.8	21.8
<b>401016</b>	2011 SV <sub>29</sub>		2 25.1	122°22	0°8/24.4	18	<b>210925</b>	2001 TD <sub>5</sub>		2 25.1	41°02	3°6/29.0	18
1 22	10 56.51	+ 7 48.5	1.831	2.652	14.2	21.7	1 22	10 49.06	- 4 34.6	2.128	2.905	14.0	20.4
2 1	10 50.83	+ 8 47.7	1.768	2.671	10.4	21.5	2 1	10 45.21	- 4 17.5	2.046	2.910	11.1	20.2
2 11	10 43.01	+ 9 59.4	1.730	2.689	6.2	21.3	2 11	10 39.60	- 3 40.8	1.987	2.916	7.9	20.0
2 21	10 33.79	+11 17.2	1.720	2.706	1.8	21.1	2 21	10 32.81	- 2 46.5	1.954	2.922	4.8	19.8
3 2	10 24.21	+12 33.1	1.739	2.723	3.2	21.2	3 2	10 25.63	- 1 38.7	1.949	2.928	3.7	19.7
3 12	10 15.37	+13 40.0	1.788	2.739	7.4	21.5	3 12	10 18.92	- 0 23.9	1.973	2.934	6.0	19.9
3 22	10 8.18	+14 32.7	1.863	2.754	11.3	21.7	3 22	10 13.43	+ 0 51.4	2.024	2.941	9.2	20.1
4 1	10 3.26	+15 8.8	1.961	2.768	14.5	22.0	4 1	10 9.73	+ 2 1.0	2.100	2.948	12.2	20.3
<b>213601</b>	2002 PZ <sub>55</sub>		2 25.1	222°28	0°7/25.8	18	<b>118108</b>	2398 T <sub>-3</sub>		2 25.1	64°33	1°1/24.4	18
1 22	10 53.77	+ 4 9.3	2.051	2.858	13.3	21.4	1 22	11 1.68	+10 2.9	1.375	2.209	17.2	19.2
2 1	10 48.88	+ 4 48.4	1.956	2.849	10.1	21.2	2 1	10 54.88	+10 30.6	1.337	2.245	12.6	19.0
2 11	10 41.93	+ 5 42.8	1.886	2.839	6.3	20.9	2 11	10 45.45	+11 8.9	1.321	2.282	7.4	18.8
2 21	10 33.52	+ 6 48.5	1.844	2.829	2.2	20.6	2 21	10 34.50	+11 50.7	1.331	2.318	2.2	18.6
3 2	10 24.50	+ 7 59.6	1.831	2.818	2.4	20.6	3 2	10 23.46	+12 28.5	1.369	2.354	3.7	18.8
3 12	10 15.90	+ 9 9.0	1.848	2.806	6.7	20.9	3 12	10 13.75	+12 56.1	1.435	2.389	8.6	19.2
3 22	10 8.62	+10 10.8	1.892	2.794	10.6	21.1	3 22	10 6.38	+13 10.2	1.524	2.424	12.8	19.5
4 1	10 3.36	+11 0.4	1.960	2.781	14.0	21.3	4 1	10 1.88	+13 10.0	1.636	2.458	16.3	19.8
<b>337232</b>	2000 GZ <sub>145</sub>		2 25.1	230°69	0°4/24.7	17	<b>256098</b>	2006 UF <sub>244</sub>		2 25.1	61°98	1°5/26.3	18
1 22	10 51.81	+ 8 39.7	2.305	3.124	11.6	21.3	1 22	10 53.92	+ 2 58.5	1.552	2.371	16.3	21.3
2 1	10 47.15	+ 9 10.4	2.218	3.120	8.7	21.1	2 1	10 49.24	+ 3 20.9	1.490	2.387	12.4	21.1
2 11	10 40.74	+ 9 50.3	2.157	3.115	5.2	20.9	2 11	10 42.19	+ 4 1.5	1.450	2.403	7.9	20.9
2 21	10 33.13	+10 35.5	2.124	3.111	1.5	20.6	2 21	10 33.61	+ 4 55.6	1.436	2.420	3.1	20.6
3 2	10 25.09	+11 21.1	2.121	3.106	2.5	20.7	3 2	10 24.61	+ 5 56.3	1.449	2.436	2.8	20.6
3 12	10 17.48	+12 2.1	2.148	3.101	6.2	20.9	3 12	10 16.43	+ 6 55.8	1.490	2.453	7.4	20.9
3 22	10 11.05	+12 34.6	2.201	3.096	9.6	21.1	3 22	10 10.07	+ 7 47.4	1.556	2.469	11.6	21.2
4 1	10 6.39	+12 56.1	2.279	3.091	12.6	21.3	4 1	10 6.17	+ 8 26.4	1.644	2.486	15.3	21.5
<b>127464</b>	2002 RQ <sub>6</sub>		2 25.1	248°72	0°9/25.7	18	<b>86817</b>	2000 GY <sub>135</sub>		2 25.1	281°66	0°9/24.4	18
1 22	10 56.14	+ 4 52.9	1.423	2.251	17.1	20.1	1 22	10 52.45	+ 6 59.9	1.434	2.273	16.4	19.0
2 1	10 51.41	+ 5 13.5	1.340	2.243	13.1	19.9	2 1	10 48.73	+ 8 2.7	1.347	2.259	12.3	18.8
2 11	10 43.83	+ 5 52.8	1.279	2.235	8.2	19.6	2 11	10 42.26	+ 9 26.0	1.283	2.245	7.4	18.4
2 21	10 34.14	+ 6 46.2	1.242	2.227	2.9	19.2	2 21	10 33.73	+11 2.6	1.244	2.231	2.1	18.1
3 2	10 23.60	+ 7 46.6	1.232	2.219	3.2	19.2	3 2	10 24.30	+12 42.1	1.232	2.217	3.9	18.1
3 12	10 13.70	+ 8 45.0	1.249	2.210	8.6	19.5	3 12	10 15.41	+14 13.1	1.247	2.203	9.4	18.4
3 22	10 5.77	+ 9 33.8	1.290	2.201	13.7	19.8	3 22	10 8.36	+15 26.6	1.286	2.189	14.4	18.7
4 1	10 0.74	+10 7.8	1.351	2.192	18.0	20.0	4 1	10 4.10	+16 17.6	1.344	2.175	18.7	18.9
<b>254506</b>	2005 EO <sub>78</sub>		2 25.1	253°16	3°8/22.1	16	<b>465674</b>	2009 SL <sub>136</sub>		2 25.1	282°28	5°1/21.1	16
1 22	10 56.76	+16 45.9	1.712	2.555	14.0	20.6	1 22	10 57.82	+21 46.2	1.821	2.664	13.2	20.9
2 1	10 51.49	+17 35.8	1.632	2.545	10.4	20.4	2 1	10 52.14	+22 29.5	1.746	2.657	10.0	20.7
2 11	10 43.68	+18 31.1	1.575	2.536	6.5	20.1	2 11	10 44.00	+23 12.4	1.695	2.649	6.8	20.5
2 21	10 34.07	+19 24.3	1.546	2.526	3.8	19.9	2 21	10 34.17	+23 47.2	1.671	2.642	5.1	20.3
3 2	10 23.77	+20 7.3	1.544	2.516	5.7	20.0	3 2	10 23.77	+24 7.0	1.674	2.634	6.8	20.4
3 12	10 14.11	+20 33.8	1.570	2.505	9.7	20.2	3 12	10 14.09	+24 7.4	1.705	2.627	10.1	20.6
3 22	10 6.21	+20 41.1	1.620	2.495	13.6	20.4	3 22	10 6.18	+23 47.6	1.761	2.619	13.5	20.8
4 1	10 0.89	+20 28.9	1.691	2.484	17.1	20.6	4 1	10 0.79	+23 9.2	1.837	2.612	16.5	21.0
<b>488773</b>	2004 TQ <sub>215</sub>		2 25.1	92°12	1°2/26.3	17	<b>179260</b>	2001 UO <sub>148</sub>		2 25.1	216°76	0°2/24.9	17
1 22	10 51.30	+ 2 49.0	1.925	2.736	14.0	21.1	1 22	10 53.69	+ 7 6.9	2.306	3.117	11.9	21.1
2 1	10 47.03	+ 3 24.0	1.846	2.739	10.6	20.9	2 1	10 48.61	+ 7 46.0	2.212	3.109	8.9	20.9
2 11	10 40.77	+ 4 15.2	1.790	2.742	6.7	20.7	2 11	10 41.69	+ 8 36.3	2.143	3.100	5.4	20.7
2 21	10 33.16	+ 5 18.7	1.761	2.745	2.6	20.4	2 21	10 33.47	+ 9 33.7	2.103	3.090	1.6	20.4
3 2	10 25.09	+ 6 28.4	1.762	2.748	2.4	20.4	3 2	10 24.74	+10 33.0	2.094	3.079	2.4	20.4
3 12	10 17.56	+ 7 37.3	1.790	2.751	6.5	20.7	3 12	10 16.39	+11 28.3	2.114	3.068	6.3	20.6
3 22	10 11.41	+ 8 39.0	1.846	2.754	10.4	20.9	3 22	10 9.22	+12 15.1	2.163	3.056	9.8	20.8
4 1	10 7.31	+ 9 29.0	1.925	2.758	13.8	21.1	4 1	10 3.87	+12 50.2	2.235	3.044	12.9	21.0
<b>119449</b>	2001 TX <sub>170</sub>		2 25.1	40°89	10°5/17.6	18	<b>312489</b>	2008 WR <sub>108</sub>		2 25.1	331°77	22°1/10.7	18
1 22	10 59.13	+31 57.5	1.364	2.217	16.2	18.3	1 22	10 55.13	-28 42.6	1.120	1.802	28.9	19.8
2 1	10 53.53	+33 27.3	1.334	2.237	13.1	18.1	2 1	10 51.97	-31 39.9	1.053	1.796	27.2	19.6
2 11	10 44.85	+34 42.9	1.328	2.258	10.9	18.1	2 11	10 44.95	-33 57.5	0.997	1.790	25.4	19.4
2 21	10 34.33	+35 32.3	1.344	2.279	10.6	18.1	2 21	10 34.71	-35 21.6	0.954	1.785	23.7	19.3
3 2	10 23.60	+35 47.6	1.385	2.301	12.2	18.2	3 2	10 22.75	-35 40.9	0.925	1.781	22.5	19.2
3 12	10 14.33	+35 27.7	1.448	2.323	14.7	18.5	3 12	10 11.29	-34 53.4	0.911	1.777	22.1	19.1
3 22	10 7.66	+34 36.9	1.531	2.346	17.4	18.7	3 22	10 2.46	-33 7.7	0.913	1.773	22.8	19.1
4 1	10 4.16	+33 21.9	1.631	2.369	19.7	18.9	4 1	9 57.78	-30 40.5	0.929	1.771	24.2	19.2
<b>171544</b>	1999 RJ <sub>144</sub>		2 25.1	153°08	2°5/27.1	18	<b>409963</b>	2006 UY <sub>336</sub>		2 25.1	38°49	1°9/23.6	18
1 22	10 56.05	+ 0 50.6</											

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>79321</b>	1996 JV <sub>4</sub>		2 25.1	85°99	7.7/17.9	18	<b>57781</b>	2001 VA <sub>79</sub>		2 25.1	292°69	3.7/27.7	18
1 22	10 56.87	+26 56.2	1.715	2.564	13.7	19.4	1 22	10 53.26	- 0 50.8	1.422	2.235	17.9	19.2
2 1	10 51.45	+28 36.5	1.673	2.579	10.7	19.2	2 1	10 49.41	- 0 53.1	1.328	2.217	14.2	19.0
2 11	10 43.52	+30 11.0	1.655	2.595	8.3	19.1	2 11	10 42.76	- 0 32.1	1.255	2.200	9.8	18.6
2 21	10 34.00	+31 29.1	1.663	2.610	7.8	19.1	2 21	10 33.94	+ 0 11.2	1.205	2.183	5.3	18.3
3 2	10 24.11	+32 22.2	1.699	2.626	9.5	19.3	3 2	10 24.11	+ 1 12.2	1.181	2.165	4.2	18.2
3 12	10 15.17	+32 46.4	1.759	2.641	12.2	19.5	3 12	10 14.75	+ 2 22.4	1.183	2.148	8.5	18.4
3 22	10 8.21	+32 42.6	1.842	2.656	14.9	19.7	3 22	10 7.19	+ 3 32.3	1.209	2.132	13.5	18.6
4 1	10 3.87	+32 14.1	1.943	2.671	17.3	19.9	4 1	10 2.47	+ 4 33.3	1.256	2.115	18.0	18.9
<b>273030</b>	2006 DC <sub>114</sub>		2 25.1	4°38	0°1/25.1	18	<b>282129</b>	2001 NG <sub>17</sub>		2 25.1	128°13	0°9/25.8	18
1 22	10 48.03	+ 5 3.1	1.514	2.352	15.7	19.7	1 22	10 59.66	+ 6 35.8	1.990	2.796	13.7	20.2
2 1	10 45.10	+ 6 0.3	1.442	2.351	11.8	19.5	2 1	10 53.08	+ 6 28.0	1.916	2.807	10.4	20.0
2 11	10 39.83	+ 7 16.8	1.392	2.352	7.2	19.2	2 11	10 44.38	+ 6 30.1	1.866	2.818	6.4	19.8
2 21	10 32.96	+ 8 46.3	1.367	2.353	2.1	18.9	2 21	10 34.29	+ 6 39.3	1.844	2.829	2.3	19.5
3 2	10 25.53	+10 19.4	1.369	2.355	3.0	19.0	3 2	10 23.80	+ 6 51.9	1.853	2.839	2.4	19.6
3 12	10 18.74	+11 46.2	1.398	2.358	8.0	19.3	3 12	10 14.00	+ 7 3.6	1.891	2.848	6.5	19.9
3 22	10 13.61	+12 58.7	1.451	2.362	12.5	19.5	3 22	10 5.79	+ 7 11.2	1.956	2.858	10.3	20.1
4 1	10 10.88	+13 52.0	1.526	2.367	16.3	19.8	4 1	9 59.81	+ 7 12.1	2.046	2.866	13.5	20.3
<b>175672</b>	1994 UN <sub>7</sub>		2 25.1	184°25	1°4/27.0	18	<b>523665</b>	2012 RF <sub>15</sub>		2 25.1	193°54	2°3/23.1	18 C
1 22	10 50.14	+ 1 39.2	3.259	4.041	9.5	21.9	1 22	11 1.53	+13 18.8	2.073	2.891	12.8	24.5
2 1	10 45.44	+ 1 57.3	3.166	4.041	7.3	21.8	2 1	10 54.63	+14 12.1	1.987	2.889	9.5	24.3
2 11	10 39.53	+ 2 25.1	3.098	4.040	4.8	21.6	2 11	10 45.44	+15 12.7	1.927	2.885	5.7	24.1
2 21	10 32.80	+ 3 0.8	3.060	4.040	2.2	21.4	2 21	10 34.64	+16 14.4	1.896	2.880	2.5	23.9
3 2	10 25.79	+ 3 41.6	3.053	4.038	1.8	21.4	3 2	10 23.24	+17 10.1	1.897	2.873	4.2	24.0
3 12	10 19.06	+ 4 23.9	3.078	4.036	4.2	21.6	3 12	10 12.38	+17 53.8	1.928	2.865	8.0	24.2
3 22	10 13.13	+ 5 4.5	3.131	4.034	6.8	21.7	3 22	10 3.07	+18 22.1	1.986	2.856	11.7	24.4
4 1	10 8.42	+ 5 40.5	3.211	4.031	9.1	21.9	4 1	9 56.06	+18 33.9	2.068	2.845	14.9	24.6
<b>205344</b>	2000 WF <sub>18</sub>		2 25.1	142°38	0°7/24.5	18	<b>4368</b>	Pillmore		2 25.1	179°96	7°7/ 5.9	18
1 22	10 57.15	+ 8 43.0	1.909	2.729	13.7	21.3	1 22	10 49.37	-19 30.6	2.590	3.257	14.3	16.9
2 1	10 51.32	+ 9 20.7	1.839	2.740	10.2	21.1	2 1	10 45.32	-19 50.5	2.495	3.257	12.6	16.8
2 11	10 43.35	+10 9.1	1.793	2.751	6.1	20.8	2 11	10 39.66	-19 47.4	2.420	3.257	10.7	16.7
2 21	10 33.96	+11 3.0	1.775	2.761	1.7	20.6	2 21	10 32.90	-19 20.0	2.367	3.257	8.9	16.5
3 2	10 24.16	+11 55.9	1.786	2.770	3.0	20.7	3 2	10 25.72	-18 28.8	2.340	3.257	7.8	16.5
3 12	10 15.03	+12 41.7	1.827	2.779	7.2	21.0	3 12	10 18.89	-17 17.6	2.340	3.257	7.9	16.5
3 22	10 7.50	+13 16.1	1.894	2.787	11.0	21.2	3 22	10 13.11	-15 52.2	2.367	3.257	9.2	16.6
4 1	10 2.20	+13 36.9	1.985	2.795	14.3	21.4	4 1	10 8.93	-14 19.6	2.418	3.257	11.1	16.7
<b>116781</b>	2004 EL <sub>31</sub>		2 25.1	309°64	4°6/28.5	18	<b>442301</b>	2011 SF <sub>54</sub>		2 25.1	254°94	1°0/23.9	17
1 22	10 53.83	- 2 57.0	1.672	2.464	16.6	19.5	1 22	10 49.85	+10 1.5	2.565	3.388	10.5	21.4
2 1	10 49.32	- 3 18.7	1.585	2.458	13.3	19.2	2 1	10 45.62	+10 46.2	2.474	3.378	7.8	21.2
2 11	10 42.41	- 3 20.2	1.519	2.453	9.5	19.0	2 11	10 39.82	+11 39.2	2.409	3.369	4.6	20.9
2 21	10 33.76	- 3 1.7	1.478	2.447	5.9	18.8	2 21	10 32.95	+12 36.2	2.373	3.360	1.4	20.7
3 2	10 24.40	- 2 26.2	1.463	2.442	4.8	18.7	3 2	10 25.66	+13 32.4	2.368	3.350	2.7	20.8
3 12	10 15.58	- 1 39.5	1.476	2.437	7.6	18.8	3 12	10 18.72	+14 22.7	2.392	3.340	6.0	21.0
3 22	10 8.38	- 0 48.9	1.514	2.432	11.6	19.0	3 22	10 12.79	+15 3.6	2.444	3.331	9.1	21.2
4 1	10 3.60	- 0 1.2	1.574	2.427	15.3	19.3	4 1	10 8.42	+15 32.5	2.519	3.321	11.8	21.3
<b>309693</b>	2008 FU <sub>35</sub>		2 25.1	261°37	3°0/21.9	17	<b>248725</b>	2006 QE <sub>22</sub>		2 25.1	195°50	0°8/24.4	17
1 22	10 54.53	+19 22.0	2.700	3.530	9.8	20.8	1 22	10 56.20	+ 9 33.5	2.178	2.994	12.3	21.5
2 1	10 48.99	+19 47.6	2.612	3.518	7.3	20.6	2 1	10 50.54	+10 9.5	2.091	2.992	9.2	21.3
2 11	10 41.80	+20 13.7	2.550	3.506	4.7	20.5	2 11	10 42.89	+10 54.8	2.030	2.988	5.5	21.1
2 21	10 33.50	+20 35.9	2.517	3.493	3.0	20.3	2 21	10 33.88	+11 44.7	1.998	2.984	1.6	20.8
3 2	10 24.81	+20 50.2	2.515	3.481	4.3	20.4	3 2	10 24.36	+12 33.8	1.996	2.979	2.9	20.9
3 12	10 16.53	+20 53.4	2.542	3.468	6.9	20.5	3 12	10 15.32	+13 16.5	2.024	2.974	6.8	21.1
3 22	10 9.37	+20 44.4	2.596	3.456	9.7	20.7	3 22	10 7.63	+13 48.8	2.079	2.968	10.4	21.3
4 1	10 3.87	+20 23.0	2.674	3.443	12.1	20.8	4 1	10 1.92	+14 8.6	2.158	2.960	13.5	21.5
<b>464271</b>	2015 TO <sub>67</sub>		2 25.1	175°30	1°8/23.7	18	<b>37489</b>	4396 T <sub>-1</sub>		2 25.1	210°42	3°3/22.1	18
1 22	11 0.77	+11 54.6	1.824	2.648	14.1	22.2	1 22	10 54.43	+16 30.2	1.952	2.792	12.6	19.3
2 1	10 54.21	+12 33.6	1.747	2.652	10.4	22.0	2 1	10 49.42	+17 21.7	1.878	2.791	9.3	19.1
2 11	10 45.21	+13 21.1	1.695	2.655	6.2	21.7	2 11	10 42.29	+18 17.8	1.830	2.790	5.8	18.9
2 21	10 34.56	+14 11.0	1.671	2.657	2.2	21.5	2 21	10 33.71	+19 11.8	1.808	2.788	3.4	18.7
3 2	10 23.34	+14 56.4	1.677	2.658	3.9	21.6	3 2	10 24.64	+19 56.9	1.816	2.787	5.1	18.8
3 12	10 12.83	+15 31.1	1.712	2.658	8.2	21.9	3 12	10 16.18	+20 27.7	1.851	2.785	8.6	19.0
3 22	10 4.08	+15 51.7	1.773	2.657	12.2	22.1	3 22	10 9.23	+20 41.5	1.912	2.784	12.0	19.3
4 1	9 57.83	+15 56.9	1.857	2.655	15.6	22.3	4 1	10 4.47	+20 38.0	1.994	2.782	15.0	19.5
<b>355926</b>	2008 YN <sub>42</sub>		2 25.1	122°24	3°8/28.0	18	<b>89120</b>	2001 TX <sub>235</sub>		2 25.1	255°71	5°7/19.6	18
1 22	10 57.10	- 1 52.4	1.636	2.428	16.8	21.6	1 22	10 54.17	+21 36.9	1.837	2.685	12.9	19.3
2 1	10 51.61	- 1 58.3	1.564	2.439	13.3	21.4	2 1	10 49.50	+23 3.3	1.765	2.678	9.7	19.1
2 11	10 43.69	- 1 43.4	1.513	2.450	9.2	21.2	2 11	10 42.48	+24 31.6	1.718	2.671	6.8	18.9
2 21	10 34.11	- 1 9.7	1.487	2.460	5.2	20.9	2 21	10 33.80	+25 52.6	1.699	2.664	5.7	18.8
3 2	10 24.00	- 0 21.5	1.488	2.470	4.1	20.9	3 2	10 24.51	+26 57.2	1.707	2.657	7.6	18.9
3 12	10 14.62	+ 0 34.0	1.518	2.479	7.4	21.1	3 12	10 15.83	+27 39.3	1.742	2.650	10.8	19.1
3 22	10 7.04	+ 1 29.5	1.573	2.488	11.5	21.4	3 22	10 8.79	+27 56.7	1.800	2.642	14.0	19.3
4 1	10 1.98	+ 2 18.6	1.652	2.497	15.1	21.6	4 1	10 4.14	+27 50.3	1.878	2.635	16.9	19.5
<b>38765</b>	2000 RU <sub>6</sub>		2 25.1	60°08	4°0/22.1	18	<b>282128</b>	2001 NT <sub>12</sub>		2 25.1	237°56	1°4/26.3	17
1 22	10 57.59	+18 37.8	1.711	2.555	13.9								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>436699</b>	2011 SS <sub>274</sub>	2 25.1 202°87		3°1/29.7 17			<b>55309</b>	2001 SN <sub>58</sub>	2 25.1 210°47		3°7/20.9 18		
1 22	10 48.83	- 7 7.5	2.971	3.714	11.1	21.8	1 22	10 54.12	+20 55.7	2.677	3.509	9.8	19.5
2 1	10 44.66	- 6 26.0	2.868	3.710	9.0	21.6	2 1	10 48.72	+21 40.8	2.598	3.504	7.4	19.3
2 11	10 39.16	- 5 27.2	2.790	3.706	6.6	21.5	2 11	10 41.67	+22 26.1	2.546	3.499	4.9	19.2
2 21	10 32.76	- 4 13.0	2.740	3.701	4.2	21.3	2 21	10 33.53	+23 6.3	2.522	3.493	3.7	19.1
3 2	10 26.00	- 2 46.9	2.721	3.696	3.2	21.2	3 2	10 25.01	+23 36.7	2.529	3.487	4.9	19.1
3 12	10 19.54	- 1 14.0	2.733	3.690	4.8	21.3	3 12	10 16.92	+23 54.0	2.565	3.480	7.4	19.3
3 22	10 13.92	+ 0 20.0	2.775	3.685	7.3	21.5	3 22	10 9.97	+23 56.6	2.628	3.473	10.0	19.4
4 1	10 9.63	+ 1 49.7	2.844	3.678	9.8	21.6	4 1	10 4.71	+23 44.8	2.713	3.466	12.3	19.6
<b>492491</b>	2014 NJ <sub>56</sub>	2 25.1 221°09		3°4/21.9 17			<b>428958</b>	2008 YM <sub>91</sub>	2 25.1 34°93		3°9/20.9 17		
1 22	10 57.14	+15 43.7	1.959	2.792	12.8	22.1	1 22	10 51.10	+17 41.0	2.053	2.897	11.9	20.6
2 1	10 51.58	+16 49.9	1.872	2.782	9.5	21.9	2 1	10 46.88	+18 56.1	1.985	2.900	8.7	20.4
2 11	10 43.71	+18 3.1	1.811	2.771	5.9	21.7	2 11	10 40.72	+20 15.2	1.944	2.903	5.6	20.2
2 21	10 34.17	+19 15.8	1.779	2.759	3.4	21.5	2 21	10 33.26	+21 31.0	1.931	2.906	3.9	20.1
3 2	10 23.97	+20 19.9	1.776	2.746	5.3	21.6	3 2	10 25.38	+22 36.1	1.946	2.909	5.6	20.2
3 12	10 14.26	+21 8.8	1.802	2.732	9.0	21.8	3 12	10 18.06	+23 24.7	1.989	2.913	8.7	20.4
3 22	10 6.07	+21 38.9	1.853	2.718	12.7	22.0	3 22	10 12.12	+23 54.2	2.057	2.916	11.8	20.6
4 1	10 0.18	+21 49.3	1.926	2.703	15.8	22.1	4 1	10 8.17	+24 4.2	2.147	2.920	14.5	20.8
<b>429057</b>	2009 DE <sub>110</sub>	2 25.1 24°96		4°7/ 1.9 18			<b>208179</b>	2000 QP <sub>79</sub>	2 25.1 207°03		1°5/27.1 18		
1 22	10 47.12	-10 57.9	1.878	2.632	16.3	20.1	1 22	10 49.22	+ 0 22.5	2.889	3.672	10.5	20.8
2 1	10 44.02	- 9 51.9	1.796	2.640	13.4	20.0	2 1	10 44.98	+ 1 3.5	2.791	3.667	8.1	20.6
2 11	10 39.02	- 8 15.1	1.735	2.649	9.9	19.8	2 11	10 39.38	+ 1 57.6	2.719	3.662	5.3	20.4
2 21	10 32.74	- 6 10.5	1.700	2.659	6.5	19.6	2 21	10 32.85	+ 3 2.2	2.676	3.656	2.5	20.2
3 2	10 26.05	- 3 45.3	1.693	2.669	4.7	19.5	3 2	10 25.96	+ 4 13.3	2.664	3.650	1.9	20.2
3 12	10 19.90	- 1 10.6	1.716	2.679	6.5	19.6	3 12	10 19.36	+ 5 25.9	2.683	3.643	4.7	20.4
3 22	10 15.10	+ 1 21.8	1.768	2.690	9.9	19.8	3 22	10 13.63	+ 6 35.4	2.732	3.636	7.6	20.5
4 1	10 12.26	+ 3 41.9	1.846	2.702	13.3	20.1	4 1	10 9.25	+ 7 37.6	2.806	3.629	10.2	20.7
<b>391038</b>	2005 TS <sub>73</sub>	2 25.1 133°10		1°0/24.3 18			<b>68894</b>	2002 JH <sub>84</sub>	2 25.1 1°38		1°0/25.9 18		
1 22	10 58.04	+ 8 32.8	1.687	2.512	15.0	21.7	1 22	10 52.81	+ 4 42.2	1.332	2.168	17.5	19.7
2 1	10 52.22	+ 9 26.5	1.622	2.526	11.1	21.5	2 1	10 48.98	+ 5 1.5	1.260	2.167	13.3	19.5
2 11	10 44.01	+10 33.1	1.581	2.540	6.6	21.2	2 11	10 42.39	+ 5 40.0	1.209	2.167	8.4	19.2
2 21	10 34.22	+11 45.8	1.567	2.554	1.9	20.9	2 21	10 33.84	+ 6 33.2	1.181	2.167	3.0	18.8
3 2	10 23.99	+12 56.2	1.583	2.566	3.5	21.1	3 2	10 24.58	+ 7 33.2	1.180	2.167	3.1	18.9
3 12	10 14.56	+13 56.8	1.627	2.578	8.0	21.4	3 12	10 16.09	+ 8 30.9	1.204	2.168	8.5	19.2
3 22	10 6.94	+14 42.5	1.696	2.589	12.1	21.6	3 22	10 9.62	+ 9 18.7	1.252	2.170	13.5	19.5
4 1	10 1.82	+15 11.0	1.789	2.599	15.6	21.9	4 1	10 5.98	+ 9 51.4	1.320	2.172	17.7	19.7
<b>292964</b>	2006 VE <sub>123</sub>	2 25.1 71°41		0°1/25.1 18			<b>246752</b>	2009 BK <sub>142</sub>	2 25.1 222°41		0°2/24.9 17		
1 22	10 55.80	+ 7 30.3	1.634	2.462	15.3	20.8	1 22	10 52.38	+ 8 30.5	2.723	3.534	10.3	21.5
2 1	10 50.55	+ 7 52.7	1.573	2.477	11.4	20.6	2 1	10 47.39	+ 8 52.4	2.629	3.526	7.7	21.3
2 11	10 42.98	+ 8 27.8	1.534	2.493	6.9	20.3	2 11	10 40.88	+ 9 21.9	2.561	3.517	4.7	21.1
2 21	10 33.91	+ 9 10.2	1.522	2.509	2.0	20.0	2 21	10 33.31	+ 9 55.9	2.522	3.508	1.4	20.8
3 2	10 24.45	+ 9 53.8	1.538	2.524	2.9	20.1	3 2	10 25.35	+10 30.6	2.514	3.499	2.1	20.9
3 12	10 15.82	+10 31.9	1.582	2.540	7.5	20.5	3 12	10 17.72	+11 2.1	2.536	3.489	5.4	21.1
3 22	10 8.99	+11 0.0	1.651	2.556	11.7	20.7	3 22	10 11.08	+11 27.3	2.587	3.479	8.5	21.3
4 1	10 4.60	+11 15.4	1.742	2.571	15.1	21.0	4 1	10 5.97	+11 44.0	2.662	3.469	11.1	21.4
<b>1441</b>	Bolyai	2 25.1 134°97		6°2/ 2.8 18			<b>292516</b>	2006 TN <sub>31</sub>	2 25.1 210°68		3°4/29.3 17		
1 22	10 54.54	-12 35.6	2.381	3.094	14.4	18.3	1 22	10 49.49	- 5 16.0	2.672	3.431	11.9	21.6
2 1	10 49.11	-12 54.6	2.300	3.108	12.1	18.2	2 1	10 45.29	- 5 2.7	2.576	3.428	9.6	21.5
2 11	10 41.94	-12 52.7	2.240	3.122	9.6	18.1	2 11	10 39.62	- 4 33.1	2.503	3.424	6.9	21.3
2 21	10 33.60	-12 29.3	2.205	3.135	7.3	17.9	2 21	10 32.94	- 3 48.7	2.457	3.420	4.4	21.1
3 2	10 24.87	-11 46.3	2.198	3.147	6.2	17.9	3 2	10 25.87	- 2 52.3	2.440	3.416	3.5	21.0
3 12	10 16.62	-10 48.0	2.220	3.159	7.0	17.9	3 12	10 19.12	- 1 48.5	2.453	3.411	5.2	21.1
3 22	10 9.60	- 9 40.6	2.270	3.170	9.1	18.1	3 22	10 13.33	- 0 42.5	2.495	3.406	7.9	21.3
4 1	10 4.38	- 8 30.5	2.344	3.181	11.5	18.3	4 1	10 9.00	+ 0 20.7	2.563	3.402	10.5	21.5
<b>110224</b>	2001 SO <sub>224</sub>	2 25.1 275°32		3°3/29.1 18			<b>416639</b>	2004 TF <sub>21</sub>	2 25.1 139°57		5°6/18.8 18		
1 22	10 48.56	- 5 25.9	2.309	3.078	13.2	19.6	1 22	10 58.40	+27 47.5	2.583	3.410	10.3	21.6
2 1	10 44.87	- 4 47.1	2.207	3.067	10.6	19.4	2 1	10 51.86	+28 51.0	2.530	3.424	8.0	21.5
2 11	10 39.48	- 3 47.4	2.128	3.056	7.6	19.2	2 11	10 43.54	+29 49.1	2.504	3.439	6.2	21.4
2 21	10 32.90	- 2 28.7	2.076	3.044	4.6	19.0	2 21	10 34.09	+30 35.7	2.507	3.452	5.7	21.3
3 2	10 25.82	- 0 55.7	2.053	3.033	3.4	18.9	3 2	10 24.38	+31 5.6	2.540	3.465	6.9	21.4
3 12	10 19.08	+ 0 44.8	2.060	3.022	5.7	19.0	3 12	10 15.33	+31 16.3	2.600	3.477	8.9	21.6
3 22	10 13.40	+ 2 25.5	2.096	3.011	9.0	19.2	3 22	10 7.68	+31 8.0	2.686	3.488	11.1	21.7
4 1	10 9.40	+ 3 59.4	2.157	3.000	12.1	19.4	4 1	10 1.96	+30 42.6	2.794	3.499	13.0	21.9
<b>200159</b>	1998 XY <sub>11</sub>	2 25.1 75°32		15°0/10.3 18			<b>338234</b>	2002 TY <sub>77</sub>	2 25.1 186°04		2°7/21.9 17		
1 22	11 2.47	-26 56.8	1.548	2.187	23.5	19.8	1 22	10 54.68	+18 14.2	2.897	3.722	9.4	22.0
2 1	10 55.99	-28 51.4	1.498	2.219	21.2	19.6	2 1	10 48.98	+18 52.3	2.817	3.721	6.9	21.8
2 11	10 46.53	-30 7.7	1.463	2.249	18.9	19.6	2 11	10 41.78	+19 31.7	2.765	3.720	4.4	21.6
2 21	10 35.02	-30 39.1	1.446	2.280	16.8	19.5	2 21	10 33.58	+20 8.2	2.742	3.719	2.7	21.5
3 2	10 22.90	-30 23.1	1.448	2.310	15.4	19.5	3 2	10 25.06	+20 37.5	2.751	3.717	3.9	21.6
3 12	10 11.78	-29 24.4	1.472	2.339	15.0	19.5	3 12	10 16.95	+20 56.4	2.789	3.714	6.5	21.8
3 22	10 2.98	-27 53.6	1.517	2.368	15.7	19.6	3 22	10 9.89	+21 3.4	2.856	3.711	9.0	21.9
4 1	9 57.29	-26 4.1	1.583	2.397	17.1	19.8	4 1	10 4.38	+20 58.1	2.946	3.708	11.2	22.1
<b>18804</b>	1999 JS <sub>77</sub>	2 25.1 178°51		2°9/22.5 18			<b>429750</b>	2011 SC <sub>202</sub>	2 25.1 251°60		0°4/24.7 17		
1 22	10 55.40	+13 17.7	1.792	2.629	13.7	17.7	1 22	10 53.66	+ 9 37.5	2.696	3.507		

EPHEMERIDES

2 25.1

2 25.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>284314</b>	2006 QJ <sub>104</sub>		2 25.1 180°87	0°1/25.3	17		<b>140867</b>	2001 VJ <sub>10</sub>		2 25.2 93°98	2°6/27.7	17	
1 22	10 49.41	+ 5 31.3	2.304	3.118	11.8	20.8	1 22	10 52.95	- 0 9.0	2.413	3.196	12.3	20.0
2 1	10 45.43	+ 6 21.1	2.220	3.118	8.8	20.6	2 1	10 47.87	- 0 14.0	2.336	3.208	9.6	19.8
2 11	10 39.78	+ 7 23.4	2.162	3.118	5.4	20.4	2 11	10 41.17	- 0 5.7	2.284	3.221	6.5	19.6
2 21	10 33.01	+ 8 34.0	2.132	3.118	1.6	20.1	2 21	10 33.42	+ 0 13.9	2.259	3.233	3.6	19.5
3 2	10 25.84	+ 9 47.1	2.132	3.118	2.2	20.2	3 2	10 25.35	+ 0 42.1	2.263	3.245	2.8	19.4
3 12	10 19.08	+10 56.6	2.161	3.118	5.9	20.4	3 12	10 17.76	+ 1 14.6	2.298	3.257	5.4	19.6
3 22	10 13.45	+11 57.4	2.219	3.118	9.4	20.6	3 22	10 11.34	+ 1 47.3	2.360	3.269	8.4	19.8
4 1	10 9.50	+12 45.9	2.300	3.118	12.3	20.8	4 1	10 6.60	+ 2 16.5	2.447	3.281	11.2	20.0
<b>213883</b>	2003 SU <sub>263</sub>		2 25.1 93°44	4°0/22.2	18		<b>198490</b>	2004 XS <sub>59</sub>		2 25.2 151°15	2°2/27.5	18	
1 22	10 58.68	+17 24.6	1.591	2.435	14.8	20.4	1 22	10 54.00	+ 0 14.8	2.535	3.315	11.9	20.7
2 1	10 52.85	+18 13.8	1.534	2.447	10.9	20.2	2 1	10 48.61	+ 0 20.0	2.451	3.323	9.2	20.6
2 11	10 44.46	+19 6.6	1.499	2.459	6.8	19.9	2 11	10 41.61	+ 0 37.8	2.393	3.331	6.2	20.4
2 21	10 36.41	+19 54.6	1.492	2.471	4.1	19.8	2 21	10 33.56	+ 1 6.6	2.363	3.339	3.2	20.2
3 2	10 23.95	+20 30.1	1.512	2.483	5.9	19.9	3 2	10 25.16	+ 1 42.9	2.363	3.346	2.6	20.2
3 12	10 14.44	+20 47.9	1.559	2.495	9.8	20.2	3 12	10 17.20	+ 2 22.6	2.394	3.353	5.3	20.4
3 22	10 6.93	+20 46.2	1.631	2.506	13.5	20.4	3 22	10 10.35	+ 3 1.6	2.453	3.359	8.3	20.6
4 1	10 2.12	+20 26.3	1.723	2.517	16.7	20.7	4 1	10 5.15	+ 3 35.9	2.537	3.364	11.0	20.7
<b>90815</b>	1995 FQ <sub>6</sub>		2 25.2 61°74	1°4/24.1	18		<b>122698</b>	2000 SW <sub>16</sub>		2 25.2 193°17	2°2/27.3	18	R
1 22	10 56.79	+ 9 6.2	1.281	2.125	17.6	18.7	1 22	10 53.95	+ 0 43.8	2.299	3.086	12.7	21.0
2 1	10 51.70	+ 9 59.1	1.236	2.150	12.9	18.5	2 1	10 48.80	+ 0 53.3	2.208	3.084	9.9	20.8
2 11	10 43.82	+11 6.1	1.212	2.175	7.6	18.3	2 11	10 41.85	+ 1 17.0	2.141	3.082	6.6	20.6
2 21	10 34.22	+12 18.5	1.213	2.200	2.3	18.0	2 21	10 33.66	+ 1 52.6	2.102	3.080	3.3	20.4
3 2	10 24.29	+13 26.2	1.241	2.225	4.1	18.2	3 2	10 25.00	+ 2 36.6	2.092	3.077	2.6	20.3
3 12	10 15.54	+14 20.5	1.295	2.250	9.2	18.5	3 12	10 16.75	+ 3 23.8	2.113	3.073	5.8	20.5
3 22	10 9.04	+14 56.7	1.372	2.275	13.7	18.9	3 22	10 9.70	+ 4 9.4	2.161	3.069	9.2	20.7
4 1	10 5.44	+15 13.1	1.470	2.300	17.4	19.2	4 1	10 4.45	+ 4 49.1	2.235	3.064	12.2	20.9
<b>370780</b>	2004 SQ <sub>24</sub>		2 25.2 139°67	0°4/25.5	18		<b>292210</b>	2006 SR <sub>38</sub>		2 25.2 218°88	1°7/27.0	17	
1 22	10 55.64	+ 6 38.7	2.284	3.091	12.2	22.0	1 22	10 50.79	+ 1 28.3	2.636	3.425	11.2	21.7
2 1	10 49.94	+ 6 53.5	2.208	3.101	9.1	21.8	2 1	10 46.28	+ 1 45.6	2.540	3.419	8.7	21.5
2 11	10 42.45	+ 7 17.9	2.157	3.111	5.6	21.6	2 11	10 40.25	+ 2 15.3	2.470	3.413	5.7	21.3
2 21	10 33.80	+ 7 48.7	2.135	3.120	1.8	21.3	2 21	10 33.17	+ 2 55.1	2.428	3.407	2.7	21.1
3 2	10 24.80	+ 8 21.6	2.143	3.129	2.2	21.4	3 2	10 25.69	+ 3 41.5	2.416	3.401	2.2	21.0
3 12	10 16.33	+ 8 52.2	2.181	3.137	5.9	21.6	3 12	10 18.54	+ 4 30.1	2.434	3.394	5.1	21.2
3 22	10 9.17	+ 9 16.8	2.247	3.145	9.3	21.9	3 22	10 12.37	+ 5 16.5	2.480	3.387	8.2	21.4
4 1	10 3.86	+ 9 33.1	2.337	3.153	12.2	22.1	4 1	10 7.72	+ 5 57.1	2.552	3.380	10.9	21.6
<b>501182</b>	2013 TO <sub>106</sub>		2 25.2 248°46	2°5/22.9	17		<b>138028</b>	2000 DY <sub>1</sub>		2 25.2 291°31	0°5/24.8	18	
1 22	10 56.14	+14 50.0	2.160	2.989	12.0	22.2	1 22	10 53.08	+ 7 35.8	1.658	2.489	14.9	19.5
2 1	10 50.68	+15 29.0	2.065	2.972	8.9	21.9	2 1	10 48.80	+ 8 15.5	1.576	2.484	11.1	19.3
2 11	10 43.12	+16 13.8	1.996	2.955	5.4	21.7	2 11	10 42.14	+ 9 9.8	1.518	2.478	6.7	19.0
2 21	10 34.06	+16 58.8	1.955	2.938	2.6	21.5	2 21	10 33.80	+10 13.2	1.486	2.473	1.9	18.7
3 2	10 24.37	+17 38.0	1.944	2.920	4.2	21.5	3 2	10 24.80	+11 18.2	1.482	2.468	3.2	18.7
3 12	10 15.10	+18 6.3	1.962	2.901	7.8	21.7	3 12	10 16.39	+12 16.8	1.505	2.462	8.0	19.0
3 22	10 7.17	+18 20.6	2.007	2.882	11.4	21.9	3 22	10 9.62	+13 3.1	1.554	2.457	12.4	19.2
4 1	10 1.30	+18 19.8	2.075	2.863	14.5	22.1	4 1	10 5.27	+13 33.3	1.624	2.452	16.1	19.5
<b>116751</b>	2004 DT <sub>52</sub>		2 25.2 213°25	2°2/23.1	18		<b>25173</b>	1998 SN <sub>71</sub>		2 25.2 61°76	1°6/23.6	18	
1 22	10 55.93	+13 34.7	2.055	2.885	12.5	20.4	1 22	10 52.51	+11 38.5	2.020	2.852	12.6	18.6
2 1	10 50.51	+14 17.9	1.971	2.879	9.2	20.2	2 1	10 47.92	+12 21.5	1.945	2.854	9.2	18.4
2 11	10 42.99	+15 7.9	1.913	2.873	5.6	19.9	2 11	10 41.38	+13 12.7	1.895	2.856	5.5	18.2
2 21	10 34.00	+15 59.1	1.882	2.866	2.4	19.7	2 21	10 33.52	+14 6.7	1.873	2.858	2.0	18.0
3 2	10 24.48	+16 45.0	1.882	2.859	4.0	19.8	3 2	10 25.23	+14 57.3	1.880	2.861	3.5	18.1
3 12	10 15.46	+17 20.1	1.910	2.851	7.8	20.0	3 12	10 17.49	+15 38.9	1.915	2.863	7.3	18.3
3 22	10 7.88	+17 41.3	1.964	2.843	11.4	20.2	3 22	10 11.13	+16 7.6	1.976	2.865	10.9	18.5
4 1	10 2.42	+17 47.1	2.041	2.835	14.5	20.4	4 1	10 6.79	+16 21.8	2.060	2.867	13.9	18.8
<b>225577</b>	2000 UM <sub>99</sub>		2 25.2 52°51	7°1/ 2.5	18		<b>92405</b>	2000 JH <sub>32</sub>		2 25.2 236°77	3°7/27.9	18	
1 22	10 52.63	-10 51.3	1.788	2.537	17.2	19.9	1 22	10 55.70	- 1 36.8	1.679	2.473	16.4	20.2
2 1	10 48.22	-11 22.7	1.714	2.548	14.4	19.7	2 1	10 50.82	- 1 38.6	1.586	2.463	13.0	19.9
2 11	10 41.65	-11 28.8	1.660	2.559	11.3	19.5	2 11	10 43.44	- 1 19.7	1.515	2.454	9.1	19.7
2 21	10 33.60	-11 8.9	1.629	2.570	8.5	19.4	2 21	10 34.22	- 0 41.3	1.469	2.444	5.1	19.4
3 2	10 25.06	-10 24.9	1.624	2.582	7.1	19.3	3 2	10 24.20	+ 0 12.3	1.451	2.433	4.0	19.3
3 12	10 17.13	- 9 22.8	1.645	2.594	8.2	19.4	3 12	10 14.66	+ 1 14.3	1.460	2.423	7.6	19.5
3 22	10 10.74	- 8 10.5	1.692	2.605	10.9	19.6	3 22	10 6.74	+ 2 16.7	1.496	2.411	11.9	19.7
4 1	10 6.58	- 6 56.5	1.762	2.618	13.8	19.8	4 1	10 1.32	+ 3 12.6	1.554	2.400	15.8	19.9
<b>132789</b>	2002 PH <sub>136</sub>		2 25.2 146°22	0°6/25.8	17		<b>140136</b>	2001 SQ <sub>151</sub>		2 25.2 28°70	6°5/ 4.0	18	
1 22	10 51.87	+ 4 53.2	2.427	3.232	11.6	20.8	1 22	10 48.05	-14 36.1	2.128	2.848	15.7	19.0
2 1	10 47.12	+ 5 23.6	2.347	3.239	8.7	20.6	2 1	10 44.60	-14 20.3	2.041	2.853	13.3	18.8
2 11	10 40.74	+ 6 5.4	2.293	3.245	5.4	20.4	2 11	10 39.36	-13 37.6	1.974	2.858	10.6	18.6
2 21	10 33.30	+ 6 54.9	2.266	3.251	1.9	20.2	2 21	10 32.93	-12 28.1	1.930	2.863	8.0	18.5
3 2	10 25.50	+ 7 47.6	2.270	3.257	2.0	20.2	3 2	10 26.07	-10 55.2	1.914	2.868	6.5	18.4
3 12	10 18.15	+ 8 38.5	2.304	3.262	5.5	20.4	3 12	10 19.67	- 9 5.6	1.925	2.874	7.2	18.4
3 22	10 11.93	+ 9 23.3	2.366	3.267	8.8	20.6	3 22	10 14.49	- 7 8.0	1.964	2.880	9.5	18.6
4 1	10 7.36	+ 9 58.8	2.453	3.271	11.6	20.8	4 1	10 11.13	- 5 11.4	2.029	2.886	12.2	18.8
<b>381613</b>	2008 WJ <sub>80</sub>		2 25.2 44°23	0°1/25.1	17		<b>344590</b>	2003 BR <sub>87</sub>		2 25.2 33°92	4°2/20.1	18	
1 22	10 51.17	+ 6 52.4	1.987	2.81									

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>500985</b>	2013 <i>RB</i> <sub>3</sub>		2 25.2 184°11	0°6/25.7	17		<b>282911</b>	2007 <i>HD</i> <sub>97</sub>		2 25.2 314°48	2°1/23.3	17	
1 22	10 53.23	+ 5 9.6	2.127	2.937	12.8	22.5	1 22	10 51.32	+11 19.0	1.745	2.586	13.8	20.3
2 1	10 48.39	+ 5 38.3	2.043	2.937	9.7	22.3	2 1	10 47.44	+12 17.6	1.663	2.577	10.2	20.0
2 11	10 41.65	+ 6 19.7	1.984	2.937	6.0	22.1	2 11	10 41.31	+13 27.8	1.606	2.569	6.1	19.8
2 21	10 33.61	+ 7 10.1	1.952	2.937	2.0	21.8	2 21	10 33.58	+14 42.7	1.575	2.561	2.3	19.5
3 2	10 25.12	+ 8 4.2	1.950	2.936	2.3	21.8	3 2	10 25.23	+15 54.2	1.572	2.553	4.2	19.6
3 12	10 17.09	+ 8 56.2	1.977	2.935	6.2	22.1	3 12	10 17.41	+16 54.5	1.597	2.545	8.5	19.8
3 22	10 10.36	+ 9 41.3	2.031	2.934	9.9	22.3	3 22	10 11.13	+17 38.2	1.647	2.537	12.5	20.1
4 1	10 5.56	+10 15.8	2.110	2.932	13.1	22.5	4 1	10 7.12	+18 2.9	1.718	2.530	16.0	20.3
<b>128901</b>	2004 <i>TH</i> <sub>15</sub>		2 25.2 183°42	2°7/22.9	18		<b>454546</b>	2014 <i>OP</i> <sub>354</sub>		2 25.2 259°27	4°4/28.4	18	
1 22	10 58.17	+14 12.2	1.926	2.756	13.2	21.4	1 22	10 54.81	- 2 44.7	1.539	2.335	17.5	21.2
2 1	10 52.26	+15 4.1	1.850	2.757	9.7	21.2	2 1	10 50.32	- 2 54.0	1.452	2.329	14.0	20.9
2 11	10 44.09	+16 2.7	1.798	2.758	5.9	20.9	2 11	10 43.22	- 2 40.5	1.386	2.323	9.9	20.7
2 21	10 34.36	+17 1.5	1.774	2.757	2.8	20.7	2 21	10 34.19	- 2 5.0	1.345	2.317	5.9	20.4
3 2	10 24.09	+17 53.2	1.780	2.756	4.5	20.8	3 2	10 24.37	- 1 11.4	1.329	2.310	4.6	20.3
3 12	10 14.44	+18 31.9	1.815	2.754	8.4	21.1	3 12	10 15.10	- 0 7.2	1.341	2.304	8.0	20.5
3 22	10 6.39	+18 54.4	1.876	2.751	12.1	21.3	3 22	10 7.59	+ 0 58.9	1.377	2.297	12.4	20.7
4 1	10 0.66	+18 59.7	1.959	2.747	15.2	21.5	4 1	10 2.73	+ 1 59.0	1.435	2.290	16.4	21.0
<b>409020</b>	2003 <i>BJ</i> <sub>66</sub>		2 25.2 34°56	1°0/25.8	18		<b>32197</b>	2000 <i>OV</i>		2 25.2 126°79	0°2/24.9	18	
1 22	10 56.13	+ 6 29.2	1.390	2.224	17.1	20.2	1 22	10 52.49	+ 8 18.6	2.585	3.397	10.8	19.5
2 1	10 51.17	+ 6 21.3	1.331	2.236	12.9	19.9	2 1	10 47.47	+ 8 41.5	2.509	3.407	8.0	19.3
2 11	10 43.55	+ 6 27.6	1.293	2.250	8.0	19.7	2 11	10 40.93	+ 9 12.2	2.459	3.416	4.8	19.1
2 21	10 34.19	+ 6 44.2	1.279	2.264	2.8	19.4	2 21	10 33.39	+ 9 47.3	2.438	3.425	1.4	18.9
3 2	10 24.38	+ 7 5.5	1.292	2.279	3.0	19.5	3 2	10 25.57	+10 22.7	2.448	3.433	2.1	19.0
3 12	10 15.54	+ 7 25.5	1.332	2.295	8.0	19.8	3 12	10 18.19	+10 54.6	2.488	3.442	5.4	19.2
3 22	10 8.75	+ 7 39.2	1.396	2.311	12.6	20.1	3 22	10 11.90	+11 19.8	2.555	3.450	8.5	19.4
4 1	10 4.74	+ 7 43.3	1.481	2.328	16.4	20.4	4 1	10 7.20	+11 36.2	2.648	3.458	11.1	19.6
<b>17261</b>	2000 <i>JB</i> <sub>62</sub>		2 25.2 67°31	3°6/28.7	18		<b>65708</b>	<i>Ehrlich</i>		2 25.2 144°49	0°7/24.6	18	
1 22	10 51.60	- 3 7.1	2.168	2.946	13.7	17.8	1 22	10 57.53	+ 9 2.8	1.940	2.758	13.6	20.1
2 1	10 47.11	- 3 10.0	2.088	2.953	10.9	17.6	2 1	10 51.65	+ 9 37.0	1.868	2.769	10.0	19.9
2 11	10 40.84	- 2 56.0	2.030	2.960	7.7	17.4	2 11	10 43.65	+10 21.5	1.821	2.779	6.0	19.7
2 21	10 33.37	- 2 26.3	1.998	2.967	4.7	17.3	2 21	10 34.23	+11 10.9	1.802	2.789	1.7	19.4
3 2	10 25.50	- 1 44.3	1.995	2.974	3.7	17.2	3 2	10 24.40	+11 59.3	1.813	2.797	2.9	19.5
3 12	10 18.11	- 0 55.1	2.021	2.981	6.0	17.4	3 12	10 15.23	+12 40.7	1.853	2.805	7.1	19.8
3 22	10 11.96	- 0 4.2	2.074	2.988	9.1	17.6	3 22	10 7.63	+13 11.1	1.920	2.813	10.9	20.0
4 1	10 7.64	+ 0 43.2	2.151	2.995	12.1	17.8	4 1	10 2.24	+13 28.5	2.010	2.820	14.1	20.3
<b>96102</b>	3054 <i>T</i> <sub>2</sub>		2 25.2 108°96	4°0/22.5	18		<b>320713</b>	2008 <i>DR</i> <sub>56</sub>		2 25.2 178°30	2°1/23.6	18	
1 22	11 1.19	+17 29.8	1.520	2.362	15.4	20.1	1 22	11 0.21	+14 30.6	1.914	2.741	13.4	20.7
2 1	10 54.85	+18 11.4	1.461	2.374	11.4	19.9	2 1	10 53.74	+14 46.1	1.836	2.742	9.9	20.5
2 11	10 45.75	+18 56.2	1.425	2.385	7.1	19.7	2 11	10 44.97	+15 6.0	1.784	2.743	6.0	20.2
2 21	10 34.86	+19 36.0	1.416	2.396	4.1	19.5	2 21	10 34.65	+15 25.3	1.759	2.743	2.4	20.0
3 2	10 23.52	+20 2.9	1.434	2.406	6.0	19.7	3 2	10 23.83	+15 38.5	1.764	2.743	3.9	20.1
3 12	10 13.23	+20 12.0	1.479	2.417	10.0	19.9	3 12	10 13.71	+15 41.7	1.798	2.743	7.9	20.3
3 22	10 5.10	+20 2.0	1.549	2.427	14.0	20.2	3 22	10 5.28	+15 32.8	1.858	2.742	11.7	20.5
4 1	9 59.86	+19 34.2	1.639	2.436	17.3	20.4	4 1	9 59.22	+15 11.5	1.941	2.741	14.9	20.8
<b>430489</b>	2001 <i>TS</i> <sub>53</sub>		2 25.2 108°93	4°3/1.9	18		<b>89702</b>	2001 <i>YG</i> <sub>86</sub>		2 25.2 75°43	3°2/22.4	18	
1 22	10 50.09	- 9 33.6	2.659	3.392	12.6	21.4	1 22	10 54.15	+15 5.5	1.784	2.627	13.5	19.3
2 1	10 45.67	- 9 14.4	2.579	3.408	10.3	21.3	2 1	10 49.34	+16 4.6	1.722	2.636	9.9	19.1
2 11	10 39.82	- 8 36.5	2.522	3.425	7.8	21.1	2 11	10 42.33	+17 9.9	1.683	2.645	6.0	18.9
2 21	10 33.05	- 7 41.2	2.492	3.441	5.4	21.0	2 21	10 33.86	+18 13.9	1.672	2.653	3.2	18.8
3 2	10 26.01	- 6 31.7	2.491	3.457	4.3	21.0	3 2	10 24.97	+19 8.9	1.689	2.662	5.0	18.9
3 12	10 19.38	- 5 13.3	2.519	3.472	5.5	21.1	3 12	10 16.79	+19 48.8	1.734	2.671	8.8	19.1
3 22	10 13.78	- 3 51.6	2.577	3.487	7.7	21.2	3 22	10 10.26	+20 10.7	1.803	2.680	12.3	19.4
4 1	10 9.66	- 2 32.2	2.661	3.502	10.1	21.4	4 1	10 6.03	+20 14.2	1.894	2.689	15.4	19.6
<b>148896</b>	2001 <i>WQ</i> <sub>42</sub>		2 25.2 159°49	0°4/25.5	18		<b>113936</b>	2002 <i>TS</i> <sub>292</sub>		2 25.2 58°44	4°5/22.6	18	
1 22	10 53.44	+ 5 33.1	1.956	2.772	13.6	20.7	1 22	11 1.09	+17 29.9	1.209	2.065	17.7	19.1
2 1	10 48.68	+ 6 6.2	1.877	2.774	10.2	20.4	2 1	10 55.25	+18 8.1	1.159	2.078	13.1	18.9
2 11	10 41.89	+ 6 52.8	1.821	2.777	6.3	20.2	2 11	10 46.17	+18 50.0	1.130	2.092	8.2	18.6
2 21	10 33.72	+ 7 48.6	1.793	2.779	2.0	19.9	2 21	10 35.02	+19 25.9	1.125	2.106	4.6	18.5
3 2	10 25.06	+ 8 47.8	1.794	2.781	2.4	20.0	3 2	10 23.43	+19 46.8	1.145	2.120	6.7	18.6
3 12	10 16.95	+ 9 43.8	1.824	2.783	6.7	20.2	3 12	10 13.16	+19 47.3	1.191	2.134	11.3	18.9
3 22	10 10.26	+10 31.2	1.881	2.784	10.6	20.5	3 22	10 5.52	+19 26.8	1.259	2.149	15.7	19.2
4 1	10 5.63	+11 6.5	1.961	2.785	13.9	20.7	4 1	10 1.20	+18 47.5	1.346	2.164	19.4	19.5
<b>336217</b>	2008 <i>SP</i> <sub>55</sub>		2 25.2 268°32	0°9/24.3	17		<b>140063</b>	2001 <i>SB</i> <sub>105</sub>		2 25.2 184°76	2°8/28.3	17	
1 22	10 53.73	+10 2.8	2.070	2.895	12.6	21.4	1 22	10 51.31	- 2 13.5	2.680	3.451	11.5	20.6
2 1	10 48.96	+10 33.8	1.974	2.879	9.4	21.2	2 1	10 46.64	- 2 7.9	2.588	3.451	9.1	20.5
2 11	10 42.12	+11 14.4	1.904	2.863	5.6	20.9	2 11	10 40.47	- 1 48.6	2.520	3.451	6.4	20.3
2 21	10 33.81	+12 0.2	1.860	2.847	1.7	20.6	2 21	10 33.29	- 1 16.9	2.480	3.450	3.7	20.1
3 2	10 24.88	+12 45.4	1.847	2.830	3.0	20.7	3 2	10 25.73	- 0 35.8	2.469	3.449	2.9	20.1
3 12	10 16.35	+13 24.4	1.862	2.814	7.1	20.9	3 12	10 18.52	+ 0 10.7	2.489	3.448	5.1	20.2
3 22	10 9.12	+13 53.0	1.903	2.797	11.0	21.1	3 22	10 12.30	+ 0 58.1	2.537	3.446	7.9	20.4
4 1	10 3.93	+14 8.5	1.968	2.780	14.3	21.3	4 1	10 7.57	+ 1 42.4	2.611	3.444	10.5	20.5
<b>200668</b>	2001 <i>TG</i> <sub>101</sub>		2 25.2 62°46	2°0/23.9	18		<b>143711</b>	2003 <i>UR</i> <sub>136</sub>		2 25.2 186°98	0°8/24.4	17	

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>233753</b>	2008 <i>TN</i> <sub>17</sub>		2 25.2 192°63	0°1/25.1	17		<b>208920</b>	2002 <i>US</i> <sub>2</sub>		2 25.2 208°41	17°9/	7.6	18
1 22	10 53.01	+ 7 39.4	2.212	3.028	12.2	21.6	1 22	11 7.36	+45 40.9	1.229	2.054	19.4	19.5
2 1	10 48.18	+ 8 6.0	2.128	3.028	9.1	21.4	2 1	11 1.66	+48 39.9	1.201	2.052	18.1	19.4
2 11	10 41.52	+ 8 42.8	2.070	3.027	5.5	21.1	2 11	10 50.98	+51 9.6	1.192	2.050	18.0	19.4
2 21	10 33.62	+ 9 25.7	2.039	3.026	1.6	20.9	2 21	10 36.65	+52 51.1	1.204	2.047	18.9	19.4
3 2	10 25.28	+10 10.0	2.039	3.024	2.4	20.9	3 2	10 21.21	+53 32.6	1.234	2.044	20.7	19.5
3 12	10 17.41	+10 50.5	2.067	3.023	6.2	21.2	3 12	10 7.64	+53 14.0	1.279	2.041	22.8	19.7
3 22	10 10.79	+11 23.1	2.123	3.021	9.8	21.4	3 22	9 58.08	+52 4.2	1.338	2.037	24.8	19.8
4 1	10 6.02	+11 45.1	2.203	3.020	12.8	21.6	4 1	9 53.48	+50 15.6	1.406	2.033	26.6	20.0
<b>492513</b>	2014 <i>OL</i> <sub>37</sub>		2 25.2 240°80	1°2/26.0	17		<b>460359</b>	2014 <i>RE</i> <sub>47</sub>		2 25.2 191°84	0°5/25.6	18	
1 22	10 57.02	+ 4 38.6	1.673	2.488	15.5	21.5	1 22	10 55.54	+ 5 20.4	1.972	2.783	13.7	22.4
2 1	10 51.84	+ 4 51.1	1.581	2.477	11.9	21.3	2 1	10 50.29	+ 5 51.0	1.887	2.782	10.3	22.2
2 11	10 44.10	+ 5 19.4	1.513	2.466	7.6	21.0	2 11	10 42.93	+ 6 35.3	1.826	2.780	6.4	21.9
2 21	10 34.49	+ 6 0.0	1.470	2.454	2.8	20.7	2 21	10 34.09	+ 7 29.2	1.792	2.778	2.1	21.6
3 2	10 24.06	+ 6 47.3	1.455	2.442	2.8	20.6	3 2	10 24.70	+ 8 26.9	1.788	2.775	2.5	21.6
3 12	10 14.15	+ 7 34.4	1.469	2.430	7.7	20.9	3 12	10 15.82	+ 9 22.1	1.813	2.771	6.8	21.9
3 22	10 5.90	+ 8 14.9	1.508	2.417	12.3	21.1	3 22	10 8.38	+10 9.1	1.865	2.767	10.7	22.1
4 1	10 0.21	+ 8 44.2	1.570	2.403	16.3	21.4	4 1	10 3.07	+10 44.5	1.941	2.762	14.1	22.3
<b>461388</b>	2001 <i>RB</i> <sub>29</sub>		2 25.2 219°50	0°5/24.7	17		<b>303445</b>	2005 <i>AL</i> <sub>78</sub>		2 25.2 45°88	2°5/23.5	18	
1 22	10 57.89	+ 9 54.3	2.155	2.970	12.5	22.3	1 22	10 55.59	+12 4.5	1.264	2.117	17.3	20.3
2 1	10 51.91	+10 8.0	2.063	2.962	9.4	22.1	2 1	10 51.01	+12 52.4	1.213	2.132	12.7	20.1
2 11	10 43.86	+10 29.7	1.996	2.953	5.7	21.8	2 11	10 43.57	+13 51.4	1.184	2.148	7.5	19.9
2 21	10 34.36	+10 55.4	1.958	2.944	1.7	21.5	2 21	10 34.28	+14 52.4	1.179	2.164	2.9	19.6
3 2	10 24.29	+11 20.6	1.949	2.934	2.7	21.6	3 2	10 24.55	+15 46.0	1.200	2.181	4.9	19.8
3 12	10 14.68	+11 40.8	1.971	2.924	6.8	21.8	3 12	10 15.92	+16 24.1	1.246	2.198	9.8	20.1
3 22	10 6.45	+11 52.8	2.020	2.913	10.5	22.0	3 22	10 9.54	+16 43.0	1.316	2.216	14.4	20.4
4 1	10 0.28	+11 54.5	2.093	2.901	13.7	22.2	4 1	10 6.11	+16 42.0	1.405	2.234	18.1	20.7
<b>355812</b>	2008 <i>TE</i> <sub>22</sub>		2 25.2 36°33	1°4/26.1	18		<b>221855</b>	2008 <i>GJ</i> <sub>6</sub>		2 25.2 221°95	0°9/24.3	18	
1 22	10 53.55	+ 3 48.9	1.165	2.006	19.2	21.2	1 22	10 53.27	+ 8 32.7	2.024	2.847	12.9	21.3
2 1	10 49.71	+ 4 9.9	1.108	2.017	14.6	21.0	2 1	10 48.61	+ 9 23.0	1.937	2.841	9.6	21.0
2 11	10 42.90	+ 4 53.0	1.071	2.029	9.2	20.7	2 11	10 41.91	+10 25.4	1.875	2.834	5.8	20.8
2 21	10 34.10	+ 5 52.4	1.057	2.042	3.4	20.4	2 21	10 33.79	+11 34.5	1.841	2.827	1.7	20.5
3 2	10 24.73	+ 6 59.2	1.068	2.056	3.3	20.4	3 2	10 25.11	+12 43.6	1.836	2.820	3.0	20.6
3 12	10 16.39	+ 8 2.9	1.104	2.070	8.9	20.8	3 12	10 16.89	+13 45.9	1.860	2.812	7.2	20.8
3 22	10 10.33	+ 8 55.1	1.162	2.084	13.9	21.1	3 22	10 10.01	+14 36.3	1.912	2.804	11.0	21.0
4 1	10 7.31	+ 9 30.6	1.241	2.100	18.2	21.4	4 1	10 5.17	+15 11.5	1.986	2.796	14.3	21.2
<b>429962</b>	2012 <i>VV</i> <sub>61</sub>		2 25.2 151°76	3°8/29.7	17		<b>307804</b>	2003 <i>WV</i> <sub>139</sub>		2 25.2 60°05	22°1/	5.1	17
1 22	10 50.21	- 6 7.1	2.590	3.345	12.3	21.4	1 22	11 8.17	+50 21.8	0.976	1.805	23.0	19.5
2 1	10 45.88	- 6 2.8	2.501	3.348	10.0	21.3	2 1	11 3.21	+53 40.1	0.971	1.814	22.1	19.5
2 11	10 40.04	- 5 41.9	2.435	3.351	7.3	21.1	2 11	10 52.16	+56 12.2	0.983	1.824	22.2	19.5
2 21	10 33.18	- 5 5.5	2.395	3.354	4.9	20.9	2 21	10 36.95	+57 39.3	1.011	1.834	23.2	19.6
3 2	10 25.95	- 4 16.3	2.385	3.357	3.9	20.9	3 2	10 21.05	+57 53.3	1.053	1.845	24.7	19.8
3 12	10 19.09	- 3 18.8	2.403	3.360	5.4	21.0	3 12	10 8.11	+56 59.7	1.107	1.855	26.4	20.0
3 22	10 13.24	- 2 18.0	2.451	3.362	8.0	21.1	3 22	10 0.25	+55 12.6	1.171	1.866	28.0	20.1
4 1	10 8.92	- 1 19.0	2.523	3.364	10.6	21.3	4 1	9 57.96	+52 47.0	1.245	1.877	29.3	20.3
<b>86446</b>	2000 <i>CS</i> <sub>31</sub>		2 25.2 140°76	2°1/26.8	18		<b>208072</b>	1999 <i>VN</i> <sub>91</sub>		2 25.2 133°05	3°6/22.3	18	
1 22	10 57.95	+ 1 55.8	1.627	2.432	16.3	19.5	1 22	10 57.91	+16 36.0	1.774	2.612	13.7	20.1
2 1	10 52.35	+ 2 7.8	1.553	2.442	12.6	19.2	2 1	10 52.17	+17 28.7	1.709	2.620	10.1	19.9
2 11	10 44.27	+ 2 38.1	1.502	2.450	8.2	19.0	2 11	10 44.08	+18 25.7	1.669	2.629	6.3	19.7
2 21	10 34.49	+ 3 23.1	1.477	2.458	3.6	18.7	2 21	10 34.43	+19 19.6	1.656	2.636	3.6	19.5
3 2	10 24.15	+ 4 17.2	1.480	2.466	3.0	18.7	3 2	10 24.33	+20 2.9	1.672	2.644	5.4	19.7
3 12	10 14.56	+ 5 12.8	1.511	2.473	7.4	19.0	3 12	10 15.01	+20 30.1	1.716	2.651	9.1	19.9
3 22	10 6.78	+ 6 3.1	1.568	2.479	11.7	19.3	3 22	10 7.47	+20 39.1	1.785	2.657	12.7	20.1
4 1	10 1.55	+ 6 43.1	1.648	2.485	15.5	19.5	4 1	10 2.38	+20 30.1	1.875	2.663	15.8	20.4
<b>266425</b>	2007 <i>GS</i> <sub>43</sub>		2 25.2 168°19	1°9/26.9	18		<b>357335</b>	2003 <i>OE</i> <sub>15</sub>		2 25.2 193°36	3°2/28.6	18	
1 22	10 51.99	+ 1 12.7	1.955	2.757	14.1	21.1	1 22	10 54.57	- 4 9.7	2.301	3.065	13.4	21.5
2 1	10 47.65	+ 1 35.7	1.871	2.758	10.9	20.8	2 1	10 49.34	- 3 44.8	2.205	3.063	10.7	21.3
2 11	10 41.30	+ 2 15.7	1.811	2.758	7.1	20.6	2 11	10 42.26	- 3 1.1	2.132	3.059	7.5	21.1
2 21	10 33.59	+ 3 9.4	1.777	2.758	3.3	20.4	2 21	10 33.90	- 2 0.4	2.086	3.055	4.4	20.9
3 2	10 25.37	+ 4 11.6	1.773	2.758	2.6	20.3	3 2	10 25.01	- 0 46.8	2.070	3.050	3.4	20.8
3 12	10 17.66	+ 5 15.8	1.796	2.759	6.4	20.6	3 12	10 16.51	+ 0 33.5	2.085	3.044	5.9	21.0
3 22	10 11.31	+ 6 15.6	1.847	2.759	10.2	20.8	3 22	10 9.20	+ 1 53.8	2.129	3.038	9.2	21.2
4 1	10 6.98	+ 7 6.0	1.921	2.759	13.6	21.0	4 1	10 3.71	+ 3 8.2	2.198	3.030	12.3	21.4
<b>110026</b>	Hamill		2 25.2 184°63	1°4/26.7	18		<b>376164</b>	2011 <i>BJ</i> <sub>127</sub>		2 25.2 243°15	1°2/24.1	17	
1 22	10 51.96	+ 2 59.5	2.406	3.204	11.9	19.9	1 22	10 52.86	+ 9 41.8	1.939	2.768	13.1	21.6
2 1	10 47.27	+ 3 11.6	2.319	3.204	9.1	19.7	2 1	10 48.36	+10 28.0	1.856	2.764	9.7	21.4
2 11	10 40.92	+ 3 35.6	2.257	3.204	5.9	19.5	2 11	10 41.78	+11 25.2	1.799	2.759	5.8	21.1
2 21	10 33.45	+ 4 9.2	2.222	3.204	2.5	19.2	2 21	10 33.77	+12 27.9	1.769	2.755	1.8	20.9
3 2	10 25.58	+ 4 48.4	2.218	3.204	2.2	19.2	3 2	10 25.21	+13 29.3	1.767	2.750	3.3	21.0
3 12	10 18.12	+ 5 28.9	2.243	3.203	5.5	19.4	3 12	10 17.16	+14 22.9	1.795	2.746	7.4	21.2
3 22	10 11.78	+ 6 6.2	2.295	3.202	8.7	19.6	3 22	10 10.52	+15 3.8	1.848	2.741	11.3	21.4
4 1	10 7.10	+ 6 37.0	2.373	3.201	11.6	19.8	4 1	10 5.99	+15 29.4	1.924	2.736	14.6	21.6
<b>33297</b>	1998 <i>KW</i> <sub>44</sub>		2 25.2 343°34	6°0/	2.								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>433063</b>	2012 <i>TS</i> <sub>21</sub>		2 25.2 72°14'	2°0'/23.2	17		<b>250492</b>	2004 <i>FN</i> <sub>3</sub>		2 25.2 244°45'	14°0'	8.3	18
1 22	10 53.72	+14 18.4	2.233	3.064	11.6	21.3	1 22	10 52.90	-23 55.0	1.328	2.024	24.5	20.2
2 1	10 48.64	+14 48.2	2.161	3.069	8.5	21.1	2 1	10 49.60	-24 39.3	1.241	2.017	22.1	20.0
2 11	10 41.77	+15 22.7	2.115	3.075	5.1	20.9	2 11	10 43.19	-24 39.9	1.168	2.010	19.3	19.7
2 21	10 33.72	+15 56.9	2.097	3.081	2.2	20.7	2 21	10 34.36	-23 48.5	1.111	2.002	16.5	19.5
3 2	10 25.32	+16 25.9	2.109	3.087	3.6	20.8	3 2	10 24.41	-22 2.0	1.074	1.995	14.4	19.4
3 12	10 17.48	+16 45.7	2.150	3.093	7.0	21.0	3 12	10 15.02	-19 26.5	1.059	1.987	14.1	19.3
3 22	10 10.95	+16 53.8	2.217	3.099	10.2	21.2	3 22	10 7.74	-16 17.4	1.067	1.978	15.9	19.4
4 1	10 6.30	+16 49.5	2.308	3.105	12.9	21.4	4 1	10 3.67	-12 55.0	1.097	1.970	19.0	19.5
<b>143087</b>	2002 <i>XP</i> <sub>9</sub>		2 25.2 48°43'	4°6'/28.7	18		<b>397455</b>	2007 <i>FW</i> <sub>31</sub>		2 25.2 258°75'	2°6'/23.4	17	
1 22	10 54.50	- 2 58.4	1.506	2.304	17.8	19.3	1 22	10 58.87	+13 33.5	1.532	2.372	15.5	21.6
2 1	10 49.88	- 3 16.1	1.441	2.318	14.1	19.1	2 1	10 53.53	+14 9.4	1.446	2.358	11.6	21.3
2 11	10 42.80	- 3 11.2	1.397	2.332	10.0	18.9	2 11	10 45.30	+14 54.4	1.382	2.344	7.1	21.0
2 21	10 34.07	- 2 44.9	1.377	2.347	6.1	18.7	2 21	10 34.94	+15 41.5	1.345	2.329	2.9	20.7
3 2	10 24.85	- 2 1.7	1.383	2.362	4.8	18.7	3 2	10 23.67	+16 22.4	1.335	2.314	4.9	20.8
3 12	10 16.44	- 1 8.6	1.415	2.377	7.7	18.9	3 12	10 13.02	+16 49.8	1.352	2.299	9.7	21.0
3 22	10 9.87	- 0 13.7	1.472	2.393	11.6	19.1	3 22	10 4.31	+16 59.7	1.393	2.284	14.4	21.2
4 1	10 5.86	+ 0 36.0	1.552	2.409	15.3	19.4	4 1	9 58.48	+16 51.1	1.455	2.268	18.4	21.4
<b>64924</b>	2001 <i>YV</i> <sub>105</sub>		2 25.2 281°29'	3°1'/27.8	17		<b>189368</b>	2008 <i>ER</i> <sub>149</sub>		2 25.2 194°49'	0°2'/25.1	18	
1 22	10 52.81	- 0 44.1	1.879	2.674	14.9	19.6	1 22	10 54.22	+ 7 14.4	1.828	2.651	14.1	20.3
2 1	10 48.47	- 0 43.6	1.783	2.662	11.7	19.4	2 1	10 49.46	+ 7 46.4	1.748	2.650	10.5	20.1
2 11	10 41.95	- 0 25.0	1.709	2.650	8.1	19.1	2 11	10 42.50	+ 8 31.4	1.692	2.650	6.4	19.8
2 21	10 33.85	+ 0 10.0	1.661	2.637	4.4	18.9	2 21	10 34.02	+ 9 24.5	1.663	2.649	1.9	19.5
3 2	10 25.07	+ 0 57.8	1.641	2.625	3.5	18.8	3 2	10 25.00	+10 19.4	1.662	2.648	2.8	19.6
3 12	10 16.70	+ 1 52.2	1.650	2.612	6.8	19.0	3 12	10 16.54	+11 9.4	1.690	2.647	7.2	19.9
3 22	10 9.71	+ 2 46.6	1.684	2.600	10.8	19.2	3 22	10 9.62	+11 49.3	1.744	2.646	11.3	20.1
4 1	10 4.87	+ 3 35.3	1.742	2.587	14.4	19.4	4 1	10 4.92	+12 15.9	1.820	2.644	14.8	20.3
<b>28791</b>	2000 <i>HW</i> <sub>59</sub>		2 25.2 185°10'	0°3'/24.9	18		<b>224401</b>	2005 <i>UP</i> <sub>279</sub>		2 25.2 241°86'	0°9'/26.0	17	
1 22	10 51.77	+ 7 52.3	2.451	3.266	11.2	20.1	1 22	10 54.11	+ 4 12.1	2.240	3.042	12.5	22.5
2 1	10 47.12	+ 8 25.6	2.367	3.266	8.3	19.9	2 1	10 49.15	+ 4 39.9	2.136	3.025	9.6	22.3
2 11	10 40.84	+ 9 8.2	2.309	3.266	5.0	19.7	2 11	10 42.26	+ 5 21.3	2.057	3.008	6.1	22.0
2 21	10 33.46	+ 9 56.3	2.279	3.265	1.5	19.5	2 21	10 33.96	+ 6 12.9	2.006	2.991	2.2	21.7
3 2	10 25.69	+10 45.3	2.279	3.264	2.2	19.5	3 2	10 25.04	+ 7 10.2	1.986	2.972	2.2	21.7
3 12	10 18.34	+11 30.2	2.309	3.263	5.8	19.7	3 12	10 16.43	+ 8 7.1	1.995	2.953	6.2	21.9
3 22	10 12.09	+12 7.3	2.367	3.262	9.0	19.9	3 22	10 8.99	+ 8 58.5	2.032	2.934	10.0	22.1
4 1	10 7.48	+12 34.0	2.449	3.261	11.8	20.1	4 1	10 3.43	+ 9 40.2	2.093	2.914	13.3	22.3
<b>257448</b>	2236 <i>T</i> <sub>-2</sub>		2 25.2 101°00'	0°6'/24.6	18		<b>282332</b>	2002 <i>UO</i> <sub>42</sub>		2 25.2 83°00'	3°8'/29.3	17	
1 22	10 58.06	+ 8 57.7	1.998	2.814	13.3	21.4	1 22	10 50.20	- 5 4.0	2.212	2.982	13.7	20.7
2 1	10 51.84	+ 9 31.7	1.941	2.840	9.8	21.2	2 1	10 46.15	- 4 51.6	2.124	2.983	11.0	20.5
2 11	10 43.67	+10 15.0	1.909	2.867	5.8	21.1	2 11	10 40.35	- 4 20.1	2.059	2.984	7.9	20.3
2 21	10 34.28	+11 2.3	1.906	2.892	1.7	20.8	2 21	10 33.36	- 3 31.0	2.019	2.985	5.0	20.1
3 2	10 24.65	+11 48.0	1.932	2.917	2.8	20.9	3 2	10 25.93	- 2 27.9	2.009	2.986	3.9	20.0
3 12	10 15.79	+12 26.6	1.989	2.941	6.7	21.2	3 12	10 18.92	- 1 16.8	2.027	2.987	5.9	20.2
3 22	10 8.51	+12 54.8	2.072	2.964	10.3	21.5	3 22	10 13.08	- 0 4.0	2.073	2.988	9.1	20.4
4 1	10 3.35	+13 10.8	2.179	2.987	13.2	21.7	4 1	10 9.00	+ 1 4.4	2.143	2.989	12.1	20.6
<b>19876</b>	7637 <i>P-L</i>		2 25.2 303°39'	5°1'/21.6	18		<b>109660</b>	2001 <i>RF</i> <sub>15</sub>		2 25.2 266°81'	4°6'/29.8	18	
1 22	10 55.49	+17 45.3	1.382	2.239	15.8	17.4	1 22	10 51.63	- 6 21.9	2.322	3.079	13.5	19.6
2 1	10 51.34	+18 46.5	1.299	2.219	11.9	17.1	2 1	10 47.20	- 6 36.9	2.226	3.073	11.0	19.4
2 11	10 44.12	+19 55.1	1.238	2.199	7.7	16.8	2 11	10 41.00	- 6 34.3	2.152	3.067	8.3	19.2
2 21	10 34.59	+21 1.4	1.202	2.180	5.1	16.6	2 21	10 33.57	- 6 14.4	2.104	3.060	5.7	19.0
3 2	10 24.05	+21 54.2	1.191	2.161	7.3	16.7	3 2	10 25.63	- 5 39.2	2.084	3.053	4.6	18.9
3 12	10 14.14	+22 25.1	1.206	2.142	11.9	16.9	3 12	10 18.04	- 4 52.8	2.092	3.047	6.3	19.0
3 22	10 6.30	+22 30.1	1.242	2.124	16.5	17.1	3 22	10 11.57	- 4 0.7	2.128	3.040	9.1	19.2
4 1	10 1.56	+22 9.6	1.297	2.106	20.5	17.3	4 1	10 6.83	- 3 8.4	2.189	3.033	11.9	19.3
<b>127522</b>	2002 <i>VD</i> <sub>24</sub>		2 25.2 71°53'	1°4'/26.1	18		<b>63755</b>	2001 <i>QZ</i> <sub>267</sub>		2 25.2 60°57'	2°8'/28.2	18	
1 22	10 56.40	+ 3 47.7	1.301	2.131	18.3	20.0	1 22	10 50.69	- 2 37.3	2.067	2.852	14.0	19.9
2 1	10 51.64	+ 4 8.0	1.239	2.142	13.9	19.7	2 1	10 46.43	- 2 5.2	2.004	2.876	10.9	19.7
2 11	10 44.02	+ 4 48.6	1.198	2.154	8.8	19.5	2 11	10 40.44	- 1 14.5	1.963	2.900	7.5	19.5
2 21	10 34.47	+ 5 44.3	1.181	2.166	3.3	19.2	2 21	10 33.36	- 0 8.6	1.949	2.924	4.0	19.3
3 2	10 24.35	+ 6 46.9	1.190	2.177	3.1	19.2	3 2	10 26.00	+ 1 7.1	1.964	2.948	3.0	19.3
3 12	10 15.20	+ 7 47.2	1.226	2.189	8.5	19.5	3 12	10 19.22	+ 2 25.7	2.009	2.971	5.8	19.5
3 22	10 8.21	+ 8 37.3	1.285	2.201	13.4	19.8	3 22	10 13.76	+ 3 40.6	2.080	2.995	9.1	19.8
4 1	10 4.16	+ 9 12.5	1.365	2.213	17.5	20.1	4 1	10 10.13	+ 4 46.7	2.177	3.019	12.0	20.0
<b>254059</b>	2004 <i>HN</i> <sub>4</sub>		2 25.2 332°96'	0°2'/25.1	18		<b>405356</b>	2003 <i>WM</i> <sub>54</sub>		2 25.2 53°58'	4°0'/28.1	18	
1 22	10 51.06	+ 6 39.5	1.459	2.298	16.1	20.2	1 22	10 55.52	- 1 24.2	1.402	2.210	18.4	20.9
2 1	10 47.64	+ 7 17.3	1.378	2.289	12.1	19.9	2 1	10 50.75	- 1 34.6	1.342	2.227	14.4	20.7
2 11	10 41.65	+ 8 12.6	1.319	2.280	7.4	19.6	2 11	10 43.38	- 1 22.2	1.303	2.244	9.9	20.5
2 21	10 33.80	+ 9 19.9	1.285	2.272	2.2	19.3	2 21	10 34.29	- 0 49.2	1.287	2.262	5.5	20.3
3 2	10 25.21	+10 30.8	1.278	2.264	3.2	19.3	3 2	10 24.74	- 0 1.0	1.298	2.281	4.3	20.2
3 12	10 17.22	+11 36.1	1.297	2.257	8.5	19.6	3 12	10 16.10	+ 0 54.3	1.335	2.299	7.8	20.5
3 22	10 11.01	+12 28.4	1.339	2.251	13.3	19.9	3 22	10 9.47	+ 1 48.7	1.396	2.318	12.1	20.8
4 1	10 7.42	+13 3.1	1.403	2.245	17.4	20.1	4 1	10 5.54	+ 2 35.3	1.479	2.337	15.9	21.1
<b>243752</b>	2000 <i>QN</i> <sub>139</sub>		2 25.2 182°83'	1°9'/22.6	18		<b>470912</b>	2009 <i>DH</i> <sub>72</sub>		2 25.2 274°47'			

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>406670</b>	2008 <i>EZ</i> <sub>60</sub>		2 25.2 61°66'	4.7°/29.7	18		<b>251512</b>	2008 <i>FK</i> <sub>58</sub>		2 25.2 23°71'	3.7°/29.7	17	
1 22	10 51.66	- 6 52.9	1.575	2.357	17.9	21.5	1 22	10 47.99	- 6 6.5	2.440	3.203	12.8	20.4
2 1	10 47.70	- 6 24.5	1.510	2.375	14.3	21.3	2 1	10 44.36	- 5 46.5	2.353	3.206	10.3	20.2
2 11	10 41.45	- 5 27.8	1.465	2.393	10.3	21.1	2 11	10 39.21	- 5 8.0	2.288	3.208	7.5	20.1
2 21	10 33.71	- 4 5.9	1.444	2.411	6.4	20.9	2 21	10 33.03	- 4 12.7	2.249	3.212	4.8	19.9
3 2	10 25.53	- 2 25.4	1.450	2.429	4.7	20.8	3 2	10 26.48	- 3 4.3	2.239	3.215	3.7	19.8
3 12	10 18.10	- 0 36.7	1.484	2.447	7.3	21.0	3 12	10 20.31	- 1 48.1	2.258	3.218	5.5	20.0
3 22	10 12.38	+ 1 9.8	1.543	2.466	11.1	21.3	3 22	10 15.17	+ 0 30.2	2.306	3.222	8.2	20.1
4 1	10 9.01	+ 2 45.3	1.626	2.484	14.6	21.6	4 1	10 11.58	+ 0 43.7	2.379	3.226	11.0	20.3
<b>434861</b>	2006 <i>SD</i> <sub>260</sub>		2 25.2 213°44'	0°5'/24.6	17		<b>170312</b>	2003 <i>SD</i> <sub>43</sub>		2 25.2 218°92'	3°0'/27.8	18	
1 22	10 52.04	+ 9 20.6	2.614	3.430	10.6	22.2	1 22	10 54.97	- 1 12.4	1.901	2.690	15.0	20.8
2 1	10 47.26	+ 9 48.1	2.526	3.425	7.8	22.0	2 1	10 50.05	- 0 59.0	1.807	2.683	11.8	20.5
2 11	10 40.93	+10 23.1	2.463	3.421	4.7	21.8	2 11	10 42.93	- 0 26.5	1.736	2.675	8.1	20.3
2 21	10 33.53	+11 2.2	2.429	3.416	1.4	21.6	2 21	10 34.21	+ 0 23.2	1.691	2.667	4.3	20.1
3 2	10 25.75	+11 41.1	2.426	3.411	2.3	21.6	3 2	10 24.82	+ 1 25.6	1.674	2.658	3.3	20.0
3 12	10 18.33	+12 15.7	2.453	3.405	5.6	21.9	3 12	10 15.87	+ 2 33.8	1.686	2.648	6.8	20.2
3 22	10 11.95	+12 42.8	2.508	3.400	8.7	22.0	3 22	10 8.34	+ 3 40.7	1.726	2.638	10.8	20.4
4 1	10 7.14	+13 0.2	2.588	3.394	11.4	22.2	4 1	10 3.00	+ 4 40.0	1.789	2.628	14.4	20.6
<b>271829</b>	2004 <i>TS</i> <sub>167</sub>		2 25.2 34°26'	1°8'/26.7	18		<b>236102</b>	2005 <i>QQ</i> <sub>51</sub>		2 25.2 229°39'	2°0'/27.6	17	
1 22	10 51.62	+ 2 17.4	1.563	2.384	16.2	20.7	1 22	10 50.41	+ 0 1.4	2.668	3.451	11.3	21.8
2 1	10 47.69	+ 2 37.6	1.498	2.395	12.4	20.5	2 1	10 46.07	+ 0 18.9	2.570	3.444	8.8	21.6
2 11	10 41.47	+ 3 16.6	1.455	2.407	8.0	20.3	2 11	10 40.22	+ 0 49.6	2.497	3.436	5.9	21.4
2 21	10 33.72	+ 4 10.2	1.437	2.420	3.4	20.0	2 21	10 33.34	+ 1 31.5	2.452	3.429	3.0	21.2
3 2	10 25.52	+ 5 11.7	1.447	2.433	2.8	20.0	3 2	10 26.05	+ 2 21.2	2.436	3.420	2.3	21.2
3 12	10 18.06	+ 6 13.3	1.483	2.447	7.2	20.3	3 12	10 19.06	+ 3 14.2	2.451	3.412	5.0	21.3
3 22	10 12.31	+ 7 7.9	1.544	2.462	11.4	20.6	3 22	10 13.03	+ 4 6.0	2.495	3.403	8.0	21.5
4 1	10 8.92	+ 7 50.5	1.628	2.477	15.1	20.9	4 1	10 8.48	+ 4 52.6	2.564	3.395	10.8	21.7
<b>372548</b>	2009 <i>TS</i> <sub>33</sub>		2 25.2 242°47'	2°7'/22.9	17		<b>95534</b>	2002 <i>EL</i> <sub>78</sub>		2 25.2 85°79'	4°2'/29.8	18	
1 22	10 58.14	+16 11.1	2.070	2.899	12.4	21.0	1 22	10 51.95	- 6 50.8	2.024	2.787	15.0	19.1
2 1	10 52.27	+16 31.3	1.980	2.887	9.2	20.8	2 1	10 47.46	- 6 26.4	1.954	2.807	12.1	18.9
2 11	10 44.19	+17 5.5	1.915	2.874	5.7	20.6	2 11	10 41.13	- 5 39.9	1.905	2.826	8.8	18.8
2 21	10 34.56	+17 38.3	1.879	2.861	2.9	20.3	2 21	10 33.60	- 4 33.3	1.883	2.846	5.6	18.6
3 2	10 24.31	+18 3.9	1.872	2.847	4.4	20.4	3 2	10 25.74	- 3 11.8	1.889	2.865	4.2	18.5
3 12	10 14.57	+18 17.5	1.894	2.833	8.1	20.6	3 12	10 18.46	- 1 42.6	1.924	2.884	6.2	18.7
3 22	10 6.29	+18 16.9	1.943	2.818	11.7	20.8	3 22	10 12.54	- 0 13.3	1.986	2.902	9.4	18.9
4 1	10 0.20	+18 1.6	2.014	2.803	14.8	21.0	4 1	10 8.55	+ 1 9.2	2.074	2.921	12.4	19.2
<b>122300</b>	2000 <i>QF</i> <sub>3</sub>		2 25.2 147°30'	0°2'/24.9	18		<b>78038</b>	2002 <i>JN</i> <sub>103</sub>		2 25.2 173°52'	5°2'/20.8	18	
1 22	10 53.84	+ 7 10.7	2.271	3.083	12.1	21.0	1 22	10 57.22	+19 57.2	1.715	2.561	13.8	19.8
2 1	10 48.72	+ 7 51.9	2.195	3.092	9.0	20.8	2 1	10 51.90	+21 10.8	1.649	2.562	10.3	19.6
2 11	10 41.85	+ 8 43.7	2.145	3.101	5.4	20.6	2 11	10 44.07	+22 26.8	1.607	2.563	6.9	19.4
2 21	10 33.81	+ 9 41.7	2.122	3.109	1.6	20.3	2 21	10 34.54	+23 36.2	1.592	2.564	5.2	19.3
3 2	10 25.40	+10 40.4	2.131	3.116	2.4	20.4	3 2	10 24.44	+24 30.1	1.606	2.565	7.0	19.4
3 12	10 17.49	+11 34.2	2.169	3.123	6.1	20.6	3 12	10 15.09	+25 2.5	1.645	2.565	10.5	19.6
3 22	10 10.83	+12 19.0	2.235	3.129	9.5	20.9	3 22	10 7.57	+25 11.5	1.709	2.565	14.0	19.8
4 1	10 5.98	+12 51.9	2.325	3.135	12.4	21.1	4 1	10 2.62	+24 58.4	1.793	2.565	17.0	20.0
<b>81618</b>	2000 <i>HP</i> <sub>71</sub>		2 25.2 137°43'	0°9'/26.1	18		<b>197106</b>	2003 <i>UK</i> <sub>198</sub>		2 25.2 112°49'	1°5'/23.8	17	
1 22	10 55.63	+ 4 22.6	2.232	3.032	12.6	19.7	1 22	10 53.20	+11 24.2	2.144	2.972	12.1	21.0
2 1	10 50.03	+ 4 44.8	2.157	3.045	9.5	19.5	2 1	10 48.36	+12 6.3	2.073	2.979	8.9	20.8
2 11	10 42.63	+ 5 19.0	2.107	3.058	6.0	19.3	2 11	10 41.68	+12 56.1	2.026	2.986	5.3	20.5
2 21	10 34.04	+ 6 1.7	2.086	3.070	2.2	19.1	2 21	10 33.79	+13 48.5	2.008	2.993	1.8	20.3
3 2	10 25.10	+ 6 48.3	2.094	3.081	2.2	19.1	3 2	10 25.51	+14 37.6	2.019	3.000	3.2	20.4
3 12	10 16.70	+ 7 33.7	2.133	3.092	5.9	19.4	3 12	10 17.78	+15 18.3	2.059	3.007	6.9	20.7
3 22	10 9.62	+ 8 13.3	2.200	3.102	9.3	19.6	3 22	10 11.38	+15 47.1	2.126	3.013	10.3	20.9
4 1	10 4.42	+ 8 44.1	2.291	3.111	12.3	19.8	4 1	10 6.89	+16 2.3	2.216	3.020	13.2	21.1
<b>480025</b>	2015 <i>AR</i> <sub>264</sub>		2 25.2 60°49'	10°2'/23.1	16		<b>21486</b>	1998 <i>HA</i> <sub>148</sub>		2 25.2 32°24'	3°3'/27.4	18	R
1 22	11 24.41	+30 29.0	0.925	1.769	22.8	20.8	1 22	10 54.69	+ 0 27.2	1.187	2.015	19.8	17.1
2 1	11 13.79	+30 25.1	0.874	1.778	18.1	20.5	2 1	10 50.70	+ 0 26.7	1.121	2.019	15.5	16.8
2 11	10 57.87	+30 0.8	0.841	1.786	13.3	20.3	2 11	10 43.67	+ 0 51.2	1.074	2.024	10.4	16.5
2 21	10 38.63	+29 1.5	0.831	1.795	10.3	20.1	2 21	10 34.48	+ 1 37.7	1.050	2.030	5.1	16.3
3 2	10 19.15	+27 20.6	0.846	1.804	11.7	20.2	3 2	10 24.55	+ 2 39.5	1.050	2.036	4.0	16.2
3 12	10 2.53	+25 4.1	0.884	1.814	15.9	20.5	3 12	10 15.54	+ 3 46.2	1.075	2.042	8.8	16.5
3 22	9 50.63	+22 26.3	0.945	1.823	20.6	20.8	3 22	10 8.78	+ 4 47.9	1.123	2.049	13.9	16.8
4 1	9 44.03	+19 40.5	1.023	1.833	24.7	21.1	4 1	10 5.15	+ 5 37.2	1.192	2.057	18.4	17.1
<b>299251</b>	2005 <i>MN</i> <sub>50</sub>		2 25.2 233°69'	2°5'/27.9	17		<b>330765</b>	2008 <i>SD</i> <sub>269</sub>		2 25.2 244°49'	7°5'/15.4	17	
1 22	10 51.98	- 0 28.4	2.632	3.411	11.5	21.4	1 22	10 58.00	+33 12.5	2.559	3.382	10.5	21.3
2 1	10 47.25	- 0 29.9	2.534	3.403	9.0	21.2	2 1	10 52.13	+34 42.1	2.481	3.362	8.8	21.1
2 11	10 40.94	- 0 18.9	2.460	3.395	6.2	21.0	2 11	10 44.12	+36 5.3	2.430	3.341	7.6	21.0
2 21	10 33.55	+ 0 3.4	2.414	3.388	3.4	20.8	2 21	10 34.57	+37 14.1	2.406	3.320	7.7	21.0
3 2	10 25.74	+ 0 34.2	2.398	3.379	2.7	20.7	3 2	10 24.38	+38 1.9	2.411	3.297	9.0	21.0
3 12	10 18.23	+ 1 9.8	2.411	3.371	5.2	20.9	3 12	10 14.61	+38 24.9	2.442	3.275	11.0	21.1
3 22	10 11.72	+ 1 46.1	2.454	3.362	8.2	21.1	3 22	10 6.21	+38 22.9	2.496	3.251	13.1	21.2
4 1	10 6.74	+ 2 19.4	2.521	3.354	10.9	21.2	4 1	9 59.89	+37 58.1	2.568	3.227	15.0	21.3
<b>158941</b>	2004 <i>RX</i> <sub>88</sub>		2 25.2 161°54'	3°2'/28.1	18		<b>131848</b>	2002 <i>AK</i> <sub>123</sub>		2 25.2 29			



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2 25.2

2 25.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>197205</b>	2003 <i>WJ</i> <sub>3</sub>		2 25.2 67°69	4°9/ 1.2 18			<b>292034</b>	2006 <i>QQ</i> <sub>168</sub>		2 25.2 135°03	4°2/20.4 17		
1 22	10 51.10	— 7 24.7	2.076	2.836	14.8	20.2	1 22	10 55.64	+23 50.5	2.796	3.625	9.6	21.3
2 1	10 46.91	— 7 26.0	1.994	2.843	12.1	20.0	2 1	10 49.79	+24 35.0	2.735	3.636	7.2	21.1
2 11	10 40.88	— 7 6.1	1.935	2.850	9.0	19.8	2 11	10 42.39	+25 17.0	2.701	3.647	5.1	21.0
2 21	10 33.58	— 6 26.0	1.900	2.857	6.1	19.7	2 21	10 34.01	+25 51.6	2.696	3.658	4.2	20.9
3 2	10 25.85	— 5 28.9	1.893	2.864	4.9	19.6	3 2	10 25.38	+26 14.5	2.721	3.668	5.3	21.0
3 12	10 18.61	— 4 20.5	1.914	2.871	6.5	19.7	3 12	10 17.29	+26 23.1	2.776	3.678	7.5	21.2
3 22	10 12.65	— 3 7.8	1.962	2.878	9.5	19.9	3 22	10 10.38	+26 16.9	2.856	3.687	9.7	21.3
4 1	10 8.57	— 1 57.5	2.035	2.885	12.4	20.1	4 1	10 5.13	+25 56.6	2.960	3.696	11.7	21.5
<b>423875</b>	2006 <i>RC</i> <sub>50</sub>		2 25.2 273°35	4°2/21.1 17			<b>455488</b>	2003 <i>UQ</i> <sub>324</sub>		2 25.2 187°27	1°9/26.9 17		
1 22	10 55.55	+21 41.0	2.337	3.172	11.0	21.0	1 22	10 56.91	+ 1 59.8	2.017	2.812	14.0	22.9
2 1	10 50.15	+22 20.2	2.254	3.161	8.3	20.8	2 1	10 51.32	+ 2 11.4	1.929	2.812	10.8	22.7
2 11	10 42.82	+22 59.0	2.197	3.149	5.6	20.7	2 11	10 43.62	+ 2 38.2	1.865	2.811	7.1	22.4
2 21	10 34.17	+23 31.5	2.168	3.138	4.2	20.5	2 21	10 34.45	+ 3 17.3	1.829	2.809	3.2	22.2
3 2	10 25.06	+23 52.6	2.168	3.126	5.6	20.6	3 2	10 24.72	+ 4 4.4	1.821	2.807	2.6	22.1
3 12	10 16.43	+23 58.5	2.197	3.115	8.4	20.8	3 12	10 15.48	+ 4 53.6	1.844	2.804	6.4	22.4
3 22	10 9.12	+23 48.1	2.252	3.103	11.2	20.9	3 22	10 7.66	+ 5 39.4	1.893	2.800	10.3	22.6
4 1	10 3.76	+23 21.9	2.329	3.092	13.8	21.1	4 1	10 1.96	+ 6 17.2	1.967	2.796	13.7	22.8
<b>3717</b>	Thorenia		2 25.2 356°55	1°2/24.1 18			<b>430856</b>	2005 <i>MF</i> <sub>54</sub>		2 25.2 223°27	0°5/24.6 17		
1 22	10 50.14	+10 17.3	1.789	2.628	13.6	16.4	1 22	10 49.75	+ 7 19.0	2.826	3.636	10.0	21.6
2 1	10 46.50	+10 54.4	1.713	2.625	10.1	16.2	2 1	10 45.54	+ 8 17.9	2.731	3.628	7.4	21.4
2 11	10 40.76	+11 42.1	1.660	2.622	6.0	16.0	2 11	10 39.91	+ 9 26.8	2.662	3.619	4.5	21.2
2 21	10 33.57	+12 34.7	1.634	2.621	1.9	15.7	2 21	10 33.30	+10 41.8	2.623	3.610	1.3	21.0
3 2	10 25.88	+13 25.8	1.636	2.619	3.4	15.8	3 2	10 26.29	+11 57.7	2.616	3.600	2.2	21.0
3 12	10 18.75	+14 8.7	1.665	2.619	7.6	16.0	3 12	10 19.56	+13 9.4	2.640	3.590	5.4	21.2
3 22	10 13.10	+14 39.1	1.719	2.620	11.5	16.3	3 22	10 13.71	+14 12.5	2.692	3.580	8.3	21.4
4 1	10 9.59	+14 54.3	1.795	2.621	14.9	16.5	4 1	10 9.27	+15 4.1	2.769	3.569	10.9	21.6
<b>406531</b>	2007 <i>VD</i> <sub>308</sub>		2 25.2 55°97	4°4/28.4 18			<b>235484</b>	2004 <i>BE</i> <sub>53</sub>		2 25.2 356°64	0°6/24.7 17		
1 22	10 55.55	— 2 17.6	1.500	2.299	17.8	21.1	1 22	10 50.04	+ 8 7.7	1.711	2.547	14.3	20.1
2 1	10 50.75	— 2 36.1	1.433	2.311	14.1	20.9	2 1	10 46.51	+ 8 45.0	1.635	2.544	10.6	19.9
2 11	10 43.42	— 2 32.6	1.386	2.323	9.9	20.7	2 11	10 40.81	+ 9 35.4	1.581	2.542	6.4	19.6
2 21	10 34.39	— 2 8.3	1.363	2.335	5.9	20.5	2 21	10 33.61	+10 33.6	1.554	2.540	1.9	19.3
3 2	10 24.81	— 1 27.6	1.367	2.347	4.6	20.4	3 2	10 25.87	+11 32.7	1.554	2.540	3.0	19.4
3 12	10 16.03	— 0 37.5	1.397	2.360	7.8	20.6	3 12	10 18.71	+12 25.4	1.581	2.539	7.6	19.7
3 22	10 9.12	+ 0 14.2	1.452	2.372	11.8	20.9	3 22	10 13.06	+13 6.3	1.634	2.540	11.7	19.9
4 1	10 4.81	+ 1 0.6	1.529	2.385	15.5	21.2	4 1	10 9.63	+13 32.1	1.708	2.541	15.2	20.1
<b>472735</b>	2015 <i>FF</i> <sub>78</sub>		2 25.2 274°18	4°3/ 1.1 17			<b>491198</b>	2011 <i>UJ</i> <sub>102</sub>		2 25.2 181°90	0°8/25.9 18		
1 22	10 49.41	— 7 31.8	2.506	3.256	12.8	21.4	1 22	10 57.41	+ 4 36.8	2.005	2.808	13.8	22.4
2 1	10 45.52	— 7 22.4	2.397	3.240	10.5	21.2	2 1	10 51.68	+ 5 1.7	1.920	2.810	10.4	22.2
2 11	10 40.01	— 6 54.1	2.311	3.224	7.9	21.0	2 11	10 43.84	+ 5 40.4	1.859	2.810	6.6	22.0
2 21	10 33.35	— 6 7.6	2.252	3.208	5.4	20.8	2 21	10 34.51	+ 6 29.0	1.826	2.810	2.4	21.7
3 2	10 26.17	— 5 5.6	2.221	3.191	4.3	20.7	3 2	10 24.65	+ 7 22.2	1.823	2.809	2.4	21.7
3 12	10 19.27	— 3 52.8	2.219	3.175	5.8	20.8	3 12	10 15.31	+ 8 13.9	1.849	2.808	6.6	22.0
3 22	10 13.33	— 2 35.1	2.245	3.158	8.6	20.9	3 22	10 7.42	+ 8 58.6	1.903	2.805	10.5	22.2
4 1	10 8.96	— 1 18.7	2.297	3.142	11.4	21.1	4 1	10 1.67	+ 9 32.8	1.981	2.802	13.9	22.4
<b>182097</b>	2000 <i>KV</i> <sub>11</sub>		2 25.2 240°90	0°2/25.4 17			<b>55438</b>	2001 <i>TJ</i> <sub>78</sub>		2 25.2 300°49	2°0/26.7 18		
1 22	10 54.72	+ 6 15.9	2.326	3.132	12.0	22.0	1 22	10 53.69	+ 2 22.5	1.391	2.216	17.6	18.5
2 1	10 49.58	+ 6 47.6	2.221	3.114	9.1	21.8	2 1	10 49.82	+ 2 37.1	1.307	2.206	13.6	18.2
2 11	10 42.55	+ 7 30.9	2.142	3.096	5.6	21.6	2 11	10 43.15	+ 3 13.1	1.243	2.196	8.9	17.9
2 21	10 34.13	+ 8 22.4	2.091	3.077	1.8	21.3	2 21	10 34.40	+ 4 7.4	1.203	2.186	3.8	17.6
3 2	10 25.10	+ 9 17.3	2.071	3.057	2.3	21.3	3 2	10 24.76	+ 5 13.3	1.189	2.176	3.2	17.5
3 12	10 16.36	+10 9.8	2.080	3.036	6.2	21.5	3 12	10 15.71	+ 6 21.4	1.202	2.167	8.4	17.8
3 22	10 8.76	+10 55.2	2.118	3.015	9.9	21.7	3 22	10 8.55	+ 7 22.8	1.238	2.158	13.5	18.0
4 1	10 2.98	+11 30.2	2.180	2.993	13.1	21.8	4 1	10 4.22	+ 8 10.9	1.295	2.149	17.9	18.3
<b>246956</b>	1999 <i>RA</i> <sub>242</sub>		2 25.2 235°60	0°4/25.6 18			<b>321764</b>	2010 <i>OL</i> <sub>10</sub>		2 25.2 79°04	3°5/23.3 18		
1 22	10 54.84	+ 5 11.9	1.892	2.705	14.1	21.2	1 22	11 8.37	+19 12.4	1.706	2.532	14.8	20.1
2 1	10 50.02	+ 5 49.8	1.797	2.694	10.7	21.0	2 1	10 59.72	+19 12.1	1.653	2.556	11.0	19.9
2 11	10 42.96	+ 6 43.4	1.727	2.682	6.6	20.7	2 11	10 48.53	+19 10.5	1.624	2.580	6.9	19.7
2 21	10 34.28	+ 7 48.2	1.683	2.669	2.2	20.4	2 21	10 35.85	+19 1.8	1.624	2.604	3.6	19.6
3 2	10 24.89	+ 8 57.8	1.669	2.655	2.6	20.4	3 2	10 23.04	+18 41.8	1.654	2.628	5.0	19.7
3 12	10 15.93	+10 4.8	1.684	2.642	7.2	20.7	3 12	10 11.47	+18 8.7	1.714	2.652	8.8	20.0
3 22	10 8.38	+11 2.8	1.725	2.627	11.4	20.9	3 22	10 2.16	+17 23.5	1.799	2.675	12.4	20.3
4 1	10 3.05	+11 47.2	1.789	2.612	15.1	21.1	4 1	9 55.69	+16 28.1	1.908	2.698	15.5	20.5
<b>177811</b>	2005 <i>MN</i> <sub>12</sub>		2 25.2 183°81	0°3/25.5 17			<b>258159</b>	2001 <i>SK</i> <sub>67</sub>		2 25.2 54°88	2°0/27.0 18		
1 22	10 51.80	+ 6 42.7	2.800	3.605	10.2	20.9	1 22	10 55.43	— 0 1.4	1.496	2.305	17.4	20.7
2 1	10 46.99	+ 7 3.2	2.713	3.605	7.7	20.7	2 1	10 50.32	+ 0 44.6	1.455	2.344	13.2	20.5
2 11	10 40.74	+ 7 32.1	2.651	3.605	4.7	20.5	2 11	10 42.93	+ 1 51.9	1.435	2.383	8.5	20.4
2 21	10 33.53	+ 8 6.4	2.619	3.604	1.5	20.3	2 21	10 34.19	+ 3 14.3	1.440	2.422	3.7	20.2
3 2	10 25.98	+ 8 42.6	2.617	3.603	1.8	20.3	3 2	10 25.27	+ 4 43.1	1.474	2.460	2.9	20.2
3 12	10 18.79	+ 9 17.0	2.646	3.602	5.0	20.5	3 12	10 17.37	+ 6 8.8	1.535	2.499	7.1	20.5
3 22	10 12.56	+ 9 46.2	2.703	3.601	8.0	20.7	3 22	10 11.37	+ 7 23.8	1.622	2.537	11.2	20.9
4 1	10 7.77	+10 7.9	2.786	3.599	10.5	20.9	4 1	10 7.82	+ 8 23.2	1.732	2.575	14.6	21.2
<b>107232</b>	2001 <i>BA</i> <sub>54</sub>		2 25.2 123°85	1°6/26.7 18			<b>203601</b>	2002 <i>DR</i> <sub>1</sub>		2 25.2 35			

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2 25.2

2 25.3

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>94301</b>	2001 <i>EF</i> <sub>8</sub>		2 25.2 245°10	2°2/22.8	18		<b>416864</b>	2005 <i>NV</i> <sub>68</sub>		2 25.2 182°71	0°8/24.5	16	
1 22	10 52.12	+15 39.6	2.654	3.483	10.0	19.4	1 22	10 54.74	+ 8 57.3	2.146	2.964	12.4	22.1
2 1	10 47.32	+16 11.0	2.574	3.482	7.4	19.2	2 1	10 49.61	+ 9 40.8	2.064	2.965	9.2	21.8
2 11	10 40.99	+16 45.7	2.521	3.481	4.5	19.0	2 11	10 42.54	+10 34.5	2.007	2.965	5.5	21.6
2 21	10 33.63	+17 19.3	2.497	3.479	2.2	18.9	2 21	10 34.16	+11 33.5	1.978	2.965	1.6	21.4
3 2	10 25.95	+17 47.6	2.504	3.478	3.5	18.9	3 2	10 25.30	+12 31.9	1.980	2.964	2.8	21.4
3 12	10 18.67	+18 7.2	2.539	3.477	6.3	19.1	3 12	10 16.93	+13 23.7	2.011	2.963	6.7	21.7
3 22	10 12.47	+18 15.9	2.602	3.476	9.1	19.3	3 22	10 9.88	+14 4.7	2.070	2.961	10.3	21.9
4 1	10 7.84	+18 13.0	2.688	3.474	11.6	19.5	4 1	10 4.77	+14 32.3	2.151	2.958	13.4	22.1
<b>303371</b>	2004 <i>VT</i> <sub>44</sub>		2 25.2 271°46	15°9/6.3	18		<b>235572</b>	2004 <i>JN</i> <sub>45</sub>		2 25.2 219°55	9°1/11.0	18	
1 22	11 8.31	+49 16.7	1.636	2.430	16.8	19.7	1 22	10 59.66	+44 52.1	2.879	3.666	10.4	21.1
2 1	11 1.85	+51 34.0	1.591	2.412	16.0	19.6	2 1	10 53.29	+46 14.3	2.831	3.659	9.5	21.0
2 11	10 50.99	+53 26.8	1.567	2.394	16.0	19.5	2 11	10 44.78	+47 22.3	2.807	3.652	9.1	21.0
2 21	10 36.85	+54 40.3	1.563	2.376	16.8	19.5	2 21	10 34.83	+48 9.5	2.809	3.644	9.5	21.0
3 2	10 21.55	+55 4.5	1.578	2.357	18.3	19.6	3 2	10 24.43	+48 31.2	2.836	3.636	10.5	21.0
3 12	10 7.63	+54 37.8	1.611	2.339	20.1	19.7	3 12	10 14.69	+48 26.1	2.885	3.627	11.7	21.1
3 22	9 57.12	+53 26.2	1.658	2.320	21.9	19.8	3 22	10 6.51	+47 55.9	2.954	3.618	13.0	21.2
4 1	9 51.05	+51 39.1	1.717	2.300	23.6	19.9	4 1	10 0.55	+47 4.1	3.040	3.609	14.2	21.3
<b>331051</b>	2009 <i>VQ</i> <sub>108</sub>		2 25.2 194°46	3°2/22.2	18		<b>354885</b>	2006 <i>BV</i> <sub>138</sub>		2 25.2 324°97	1°2/25.9	18	
1 22	10 53.94	+15 36.4	1.918	2.758	12.8	20.5	1 22	10 53.89	+ 5 51.5	1.219	2.063	18.4	20.7
2 1	10 49.24	+16 35.8	1.845	2.758	9.4	20.3	2 1	10 50.37	+ 5 47.1	1.136	2.047	14.1	20.3
2 11	10 42.40	+17 41.2	1.797	2.758	5.8	20.0	2 11	10 43.72	+ 6 0.3	1.072	2.031	9.0	20.0
2 21	10 34.11	+18 45.4	1.777	2.757	3.3	19.9	2 21	10 34.67	+ 6 27.7	1.031	2.017	3.3	19.6
3 2	10 25.31	+19 41.2	1.785	2.757	5.0	20.0	3 2	10 24.54	+ 7 3.1	1.015	2.003	3.4	19.6
3 12	10 17.11	+20 22.5	1.821	2.756	8.6	20.2	3 12	10 15.05	+ 7 38.3	1.024	1.990	9.3	19.9
3 22	10 10.40	+20 46.2	1.882	2.756	12.1	20.4	3 22	10 7.69	+ 8 5.8	1.055	1.978	14.9	20.1
4 1	10 5.88	+20 51.6	1.965	2.755	15.1	20.6	4 1	10 3.53	+ 8 20.2	1.104	1.967	19.7	20.4
<b>194256</b>	2001 <i>TH</i> <sub>230</sub>		2 25.2 180°27	2°8/22.7	18		<b>346714</b>	2008 <i>YU</i> <sub>169</sub>		2 25.2 328°54	1°9/23.1	17	
1 22	10 56.94	+12 51.6	1.822	2.654	13.7	20.6	1 22	10 50.30	+11 40.1	2.232	3.063	11.5	20.7
2 1	10 51.58	+14 5.7	1.746	2.656	10.1	20.4	2 1	10 46.29	+12 44.5	2.153	3.063	8.5	20.5
2 11	10 43.89	+15 29.6	1.696	2.657	6.1	20.1	2 11	10 40.51	+13 57.6	2.101	3.062	5.0	20.3
2 21	10 34.58	+16 55.4	1.674	2.657	2.9	19.9	2 21	10 33.55	+15 13.5	2.076	3.061	2.1	20.1
3 2	10 24.68	+18 14.2	1.681	2.657	4.8	20.1	3 2	10 26.16	+16 25.8	2.082	3.060	3.6	20.2
3 12	10 15.38	+19 18.5	1.717	2.655	8.8	20.3	3 12	10 19.20	+17 28.2	2.117	3.060	7.1	20.4
3 22	10 7.71	+20 3.7	1.779	2.653	12.6	20.5	3 22	10 13.43	+18 16.8	2.178	3.059	10.3	20.6
4 1	10 2.41	+20 28.5	1.862	2.651	15.9	20.7	4 1	10 9.44	+18 49.2	2.262	3.058	13.2	20.8
<b>467960</b>	2012 <i>HG</i> <sub>57</sub>		2 25.2 284°92	5°0/20.8	17		<b>465136</b>	2006 <i>YF</i> <sub>48</sub>		2 25.2 93°24	5°7/19.5	18	
1 22	10 54.86	+19 25.7	1.792	2.639	13.2	21.0	1 22	10 54.88	+20 58.3	1.798	2.646	13.2	21.4
2 1	10 50.31	+20 35.9	1.705	2.619	10.0	20.8	2 1	10 50.02	+22 41.4	1.747	2.660	9.8	21.2
2 11	10 43.29	+21 50.8	1.642	2.599	6.7	20.6	2 11	10 42.89	+24 25.3	1.722	2.675	6.8	21.0
2 21	10 34.45	+23 1.8	1.607	2.580	5.0	20.4	2 21	10 34.27	+26 0.1	1.724	2.689	5.7	21.0
3 2	10 24.82	+24 0.0	1.599	2.560	6.9	20.5	3 2	10 25.24	+27 16.6	1.755	2.703	7.6	21.1
3 12	10 15.67	+24 38.4	1.617	2.540	10.5	20.6	3 12	10 16.96	+28 9.0	1.812	2.717	10.6	21.3
3 22	10 8.13	+24 53.9	1.660	2.519	14.2	20.8	3 22	10 10.40	+28 35.7	1.893	2.731	13.6	21.6
4 1	10 3.05	+24 46.4	1.723	2.499	17.4	21.0	4 1	10 6.19	+28 38.2	1.993	2.744	16.2	21.8
<b>53872</b>	2000 <i>FG</i> <sub>32</sub>		2 25.2 224°35	0°5/24.8	18		<b>128936</b>	2004 <i>TD</i> <sub>108</sub>		2 25.2 132°62	4°7/20.4	18	
1 22	10 55.98	+ 6 59.6	1.763	2.584	14.6	19.7	1 22	10 56.53	+22 4.7	2.245	3.081	11.3	20.1
2 1	10 51.03	+ 7 48.8	1.673	2.575	11.0	19.5	2 1	10 50.82	+23 7.2	2.186	3.092	8.5	19.9
2 11	10 43.67	+ 8 53.6	1.607	2.565	6.7	19.2	2 11	10 43.20	+24 8.8	2.152	3.103	5.9	19.8
2 21	10 34.55	+10 8.3	1.568	2.555	2.0	18.8	2 21	10 34.34	+25 2.7	2.147	3.113	4.7	19.7
3 2	10 24.70	+11 25.4	1.559	2.544	3.1	18.9	3 2	10 25.15	+25 42.9	2.172	3.123	6.1	19.8
3 12	10 15.32	+12 36.3	1.577	2.532	7.9	19.2	3 12	10 16.60	+26 5.5	2.224	3.133	8.7	20.0
3 22	10 7.51	+13 34.6	1.622	2.520	12.3	19.4	3 22	10 9.49	+26 9.5	2.302	3.142	11.5	20.2
4 1	10 2.10	+14 16.2	1.689	2.507	16.0	19.6	4 1	10 4.40	+25 56.1	2.402	3.151	13.8	20.4
<b>24873</b>	1996 <i>GG</i> <sub>20</sub>		2 25.2 152°91	0°4/24.9	18		<b>55181</b>	2001 <i>QD</i> <sub>280</sub>		2 25.2 35°22	10°9/17.6	18	
1 22	10 52.56	+ 7 58.8	2.427	3.240	11.3	19.4	1 22	10 59.26	+32 6.5	1.291	2.148	16.7	17.6
2 1	10 47.75	+ 8 36.0	2.348	3.246	8.4	19.2	2 1	10 54.00	+33 37.5	1.262	2.166	13.6	17.5
2 11	10 41.30	+ 9 22.5	2.294	3.251	5.1	19.0	2 11	10 45.50	+34 53.8	1.254	2.184	11.4	17.4
2 21	10 33.76	+10 14.2	2.270	3.256	1.5	18.7	2 21	10 35.04	+35 42.7	1.269	2.204	11.0	17.4
3 2	10 25.85	+11 6.3	2.276	3.261	2.3	18.8	3 2	10 24.33	+35 56.1	1.307	2.224	12.6	17.6
3 12	10 18.39	+11 53.7	2.311	3.265	5.8	19.1	3 12	10 15.11	+35 32.7	1.367	2.245	15.3	17.8
3 22	10 12.07	+12 32.8	2.375	3.269	9.1	19.3	3 22	10 8.57	+34 37.2	1.447	2.267	18.0	18.0
4 1	10 7.42	+13 0.9	2.463	3.272	11.8	19.5	4 1	10 5.29	+33 16.7	1.544	2.289	20.4	18.3
<b>309817</b>	2009 <i>BU</i> <sub>105</sub>		2 25.2 32°37	0°9/25.9	18		<b>60485</b>	2000 <i>DM</i> <sub>63</sub>		2 25.3 102°10	1°8/26.7	18	
1 22	10 53.88	+ 4 54.5	1.271	2.110	18.1	20.8	1 22	10 54.61	+ 0 52.9	1.449	2.264	17.5	19.6
2 1	10 49.90	+ 5 15.8	1.209	2.117	13.7	20.5	2 1	10 50.19	+ 1 37.0	1.380	2.274	13.4	19.4
2 11	10 43.10	+ 5 56.5	1.167	2.126	8.6	20.3	2 11	10 43.19	+ 2 44.6	1.333	2.284	8.7	19.1
2 21	10 34.37	+ 6 51.2	1.149	2.135	3.0	20.0	2 21	10 34.41	+ 4 10.4	1.311	2.293	3.6	18.8
3 2	10 25.04	+ 7 51.7	1.157	2.144	3.1	20.0	3 2	10 25.05	+ 5 45.5	1.316	2.303	3.0	18.8
3 12	10 16.63	+ 8 48.5	1.190	2.154	8.6	20.3	3 12	10 16.48	+ 7 19.3	1.348	2.312	7.8	19.1
3 22	10 10.33	+ 9 34.2	1.246	2.165	13.5	20.6	3 22	10 9.80	+ 8 42.3	1.406	2.321	12.5	19.4
4 1	10 6.92	+10 4.2	1.323	2.176	17.6	20.9	4 1	10 5.77	+ 9 48.4	1.485	2.330	16.5	19.7
<b>327293</b>	2005 <i>TG</i> <sub>116</sub>		2 25.2 2										

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>89834</b>	2002 CB <sub>10</sub>		2 25.3 191°02	8°7/18.1 18			<b>227559</b>	2005 YW <sub>184</sub>		2 25.3 24°18	0°2/25.4 17		
1 22	11 10.06	+34 19.5	2.054	2.866	13.1	19.4	1 22	10 52.81	+ 6 21.4	1.801	2.624	14.2	21.1
2 1	11 1.30	+35 20.4	1.989	2.865	10.9	19.3	2 1	10 48.48	+ 6 51.5	1.724	2.626	10.7	20.9
2 11	10 49.74	+36 9.6	1.950	2.862	9.1	19.1	2 11	10 42.01	+ 7 35.3	1.671	2.628	6.6	20.6
2 21	10 36.36	+36 37.6	1.938	2.859	8.8	19.1	2 21	10 34.07	+ 8 28.2	1.644	2.630	2.1	20.3
3 2	10 22.51	+36 37.7	1.954	2.855	10.1	19.2	3 2	10 25.61	+ 9 24.0	1.645	2.632	2.6	20.4
3 12	10 9.69	+36 8.2	1.997	2.850	12.3	19.3	3 12	10 17.73	+10 15.7	1.675	2.634	7.1	20.6
3 22	9 59.08	+35 12.0	2.064	2.844	14.7	19.5	3 22	10 11.36	+10 58.2	1.730	2.637	11.1	20.9
4 1	9 51.41	+33 54.6	2.151	2.837	16.9	19.6	4 1	10 7.18	+11 27.6	1.808	2.639	14.6	21.1
<b>163420</b>	2002 RD <sub>54</sub>		2 25.3 183°05	1°3/23.9 18			<b>224392</b>	2005 UB <sub>207</sub>		2 25.3 274°15	2°6/23.0 17		
1 22	10 53.08	+11 18.8	2.361	3.184	11.3	20.3	1 22	10 55.13	+13 45.8	1.873	2.709	13.2	20.9
2 1	10 48.22	+11 56.0	2.280	3.184	8.3	20.3	2 1	10 50.38	+14 32.8	1.779	2.690	9.9	20.6
2 11	10 41.64	+12 40.4	2.225	3.184	5.0	19.9	2 11	10 43.31	+15 28.4	1.710	2.671	6.0	20.4
2 21	10 33.90	+13 27.5	2.198	3.184	1.7	19.6	2 21	10 34.51	+16 26.0	1.668	2.651	2.7	20.1
3 2	10 25.76	+14 12.2	2.202	3.183	3.0	19.7	3 2	10 24.97	+17 18.5	1.654	2.632	4.5	20.2
3 12	10 18.06	+14 49.7	2.235	3.183	6.4	20.0	3 12	10 15.84	+17 59.2	1.669	2.612	8.6	20.4
3 22	10 11.55	+15 16.9	2.295	3.182	9.7	20.2	3 22	10 8.19	+18 23.8	1.708	2.591	12.6	20.6
4 1	10 6.78	+15 31.8	2.379	3.181	12.5	20.3	4 1	10 2.84	+18 30.6	1.770	2.571	16.1	20.8
<b>469212</b>	2016 GL <sub>240</sub>		2 25.3 171°25	1°9/22.7 17			<b>396635</b>	2001 VC <sub>38</sub>		2 25.3 119°89	0°3/25.1 18		
1 22	10 51.15	+11 53.6	2.775	3.597	9.8	21.4	1 22	10 59.24	+ 7 25.6	1.734	2.552	15.0	22.1
2 1	10 46.60	+13 15.0	2.696	3.600	7.2	21.3	2 1	10 53.17	+ 7 59.4	1.670	2.570	11.1	21.9
2 11	10 40.58	+14 43.8	2.644	3.603	4.3	21.1	2 11	10 44.78	+ 8 45.8	1.631	2.587	6.7	21.6
2 21	10 33.57	+16 14.5	2.622	3.605	1.9	20.9	2 21	10 34.88	+ 9 39.1	1.618	2.604	2.0	21.4
3 2	10 26.20	+17 41.1	2.633	3.607	3.3	21.0	3 2	10 24.59	+10 32.6	1.635	2.621	2.9	21.5
3 12	10 19.16	+18 58.3	2.674	3.609	6.2	21.2	3 12	10 15.11	+11 19.6	1.681	2.636	7.4	21.8
3 22	10 13.09	+20 2.1	2.744	3.610	9.0	21.4	3 22	10 7.41	+11 55.5	1.752	2.651	11.5	22.0
4 1	10 8.49	+20 50.7	2.838	3.610	11.4	21.6	4 1	10 2.15	+12 17.6	1.847	2.665	14.9	22.3
<b>22495</b>	Fubini		2 25.3 314°27	5°5/20.4 18			<b>259961</b>	2004 EF <sub>95</sub>		2 25.3 267°57	1°6/23.9 17		
1 22	10 54.27	+21 25.9	1.746	2.596	13.4	19.2	1 22	10 55.71	+11 34.3	1.773	2.606	14.0	20.9
2 1	10 49.87	+22 29.5	1.667	2.582	10.1	18.9	2 1	10 50.83	+12 7.8	1.686	2.595	10.4	20.7
2 11	10 43.01	+23 34.7	1.613	2.568	7.0	18.7	2 11	10 43.56	+12 50.8	1.624	2.585	6.3	20.4
2 21	10 34.39	+24 33.1	1.585	2.554	5.5	18.6	2 21	10 34.58	+13 37.8	1.588	2.574	2.2	20.1
3 2	10 25.09	+25 16.0	1.584	2.541	7.4	18.7	3 2	10 24.92	+14 21.9	1.581	2.563	3.8	20.2
3 12	10 16.38	+25 37.7	1.609	2.528	10.7	18.8	3 12	10 15.78	+14 56.8	1.601	2.552	8.2	20.4
3 22	10 9.37	+25 36.1	1.657	2.515	14.3	19.0	3 22	10 8.24	+15 18.1	1.647	2.541	12.4	20.6
4 1	10 4.84	+25 12.3	1.725	2.503	17.4	19.2	4 1	10 3.08	+15 23.9	1.715	2.529	16.0	20.9
<b>496720</b>	2016 GG <sub>17</sub>		2 25.3 76°06	2°4/23.6 18			<b>367990</b>	2012 FH <sub>25</sub>		2 25.3 212°75	2°5/23.1 18		
1 22	11 0.01	+14 44.7	1.730	2.563	14.3	21.3	1 22	10 55.01	+13 31.1	1.802	2.640	13.6	20.5
2 1	10 53.67	+15 5.9	1.674	2.583	10.5	21.1	2 1	10 50.18	+14 20.4	1.727	2.639	10.0	20.2
2 11	10 45.01	+15 31.6	1.642	2.602	6.3	20.9	2 11	10 43.08	+15 17.6	1.676	2.638	6.1	20.0
2 21	10 34.91	+15 55.8	1.637	2.621	2.7	20.7	2 21	10 34.41	+16 16.0	1.653	2.637	2.7	19.8
3 2	10 24.52	+16 12.9	1.662	2.641	4.2	20.9	3 2	10 25.19	+17 8.2	1.658	2.635	4.4	19.9
3 12	10 15.06	+16 18.7	1.714	2.660	8.2	21.2	3 12	10 16.59	+17 47.9	1.690	2.634	8.4	20.1
3 22	10 7.48	+16 11.5	1.792	2.679	11.9	21.4	3 22	10 9.59	+18 11.5	1.748	2.632	12.3	20.3
4 1	10 2.38	+15 51.3	1.892	2.698	15.0	21.7	4 1	10 4.89	+18 17.6	1.827	2.631	15.6	20.6
<b>333704</b>	2008 XZ <sub>2</sub>		2 25.3 139°00	0°3/25.6 17			<b>143397</b>	2003 BC <sub>32</sub>		2 25.3 87°03	0°2/25.4 18		
1 22	10 53.22	+ 6 10.2	2.355	3.163	11.8	21.4	1 22	10 56.61	+ 5 22.2	1.393	2.222	17.3	20.3
2 1	10 48.28	+ 6 35.9	2.277	3.171	8.8	21.2	2 1	10 51.68	+ 6 8.6	1.334	2.239	13.0	20.0
2 11	10 41.65	+ 7 12.0	2.224	3.178	5.4	21.0	2 11	10 44.08	+ 7 13.4	1.297	2.255	7.9	19.8
2 21	10 33.91	+ 7 55.0	2.199	3.185	1.8	20.7	2 21	10 34.71	+ 8 29.7	1.285	2.271	2.4	19.5
3 2	10 25.80	+ 8 40.2	2.205	3.191	2.1	20.8	3 2	10 24.85	+ 9 48.2	1.301	2.287	3.1	19.6
3 12	10 18.17	+ 9 22.8	2.240	3.197	5.7	21.0	3 12	10 15.93	+10 59.1	1.343	2.303	8.4	19.9
3 22	10 11.72	+ 9 58.9	2.303	3.203	9.0	21.2	3 22	10 9.06	+11 55.5	1.410	2.319	13.0	20.2
4 1	10 6.99	+10 25.7	2.390	3.209	11.9	21.4	4 1	10 4.96	+12 33.8	1.498	2.334	16.9	20.5
<b>389177</b>	2009 BE <sub>129</sub>		2 25.3 157°41	1°8/27.0 17			<b>521170</b>	2015 FZ <sub>408</sub>		2 25.3 253°52	1°1/26.4 17		
1 22	10 55.26	+ 2 39.2	2.620	3.406	11.4	21.5	1 22	10 51.57	+ 3 46.0	2.353	3.156	12.0	21.5
2 1	10 49.64	+ 2 29.8	2.533	3.410	8.8	21.3	2 1	10 47.17	+ 4 4.9	2.261	3.150	9.1	21.3
2 11	10 42.42	+ 2 30.6	2.472	3.414	5.8	21.1	2 11	10 41.06	+ 4 36.1	2.194	3.144	5.8	21.1
2 21	10 34.14	+ 2 39.8	2.439	3.418	2.8	20.9	2 21	10 33.77	+ 5 16.6	2.155	3.138	2.3	20.8
3 2	10 25.50	+ 2 55.0	2.437	3.422	2.3	20.9	3 2	10 26.03	+ 6 2.4	2.145	3.131	2.1	20.8
3 12	10 17.28	+ 3 12.8	2.466	3.425	5.1	21.1	3 12	10 18.67	+ 6 48.6	2.164	3.125	5.6	21.0
3 22	10 10.13	+ 3 30.0	2.523	3.428	8.1	21.3	3 22	10 12.41	+ 7 30.5	2.212	3.119	9.0	21.2
4 1	10 4.61	+ 3 43.7	2.606	3.431	10.8	21.4	4 1	10 7.84	+ 8 4.6	2.284	3.112	12.0	21.4
<b>318889</b>	2005 TK <sub>145</sub>		2 25.3 232°55	2°7/28.1 17			<b>53714</b>	2000 EY		2 25.3 150°98	1°0/24.5 18		
1 22	10 52.22	- 2 27.0	2.128	2.909	13.8	21.7	1 22	10 59.19	+ 9 31.2	1.771	2.593	14.5	18.7
2 1	10 47.87	- 1 54.1	2.029	2.899	10.9	21.4	2 1	10 53.21	+10 7.0	1.699	2.602	10.8	18.5
2 11	10 41.61	- 1 1.3	1.952	2.889	7.5	21.2	2 11	10 44.87	+10 53.5	1.652	2.610	6.5	18.3
2 21	10 33.95	+ 0 8.8	1.903	2.878	4.0	21.0	2 21	10 34.94	+11 45.1	1.632	2.618	1.9	18.0
3 2	10 25.71	+ 1 31.5	1.883	2.866	3.0	20.9	3 2	10 24.51	+12 35.0	1.641	2.625	3.3	18.1
3 12	10 17.82	+ 2 59.7	1.892	2.854	6.1	21.0	3 12	10 14.80	+13 16.6	1.679	2.631	7.7	18.4
3 22	10 11.13	+ 4 26.1	1.930	2.842	9.8	21.2	3 22	10 6.82	+13 45.8	1.743	2.636	11.8	18.6
4 1	10 6.33	+ 5 44.1	1.992	2.829	13.2	21.4	4 1	10 1.28	+14 0.4	1.829	2.641	15.2	18.9
<b>420997</b>	2013 PG <sub>43</sub>		2 25.3 248°04	2°3/26.9 17			<b>51462</b>	2001 FX <sub>43</sub>		2 25.3 230°62	1°9/23.9 18		
1 22	10 57.54	+ 2 32.8	2.028	2.823	1								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>100735</b>	Alpomořanská		2 25.3 345°07	3°5/27.5 18			<b>170106</b>	2002 XW <sub>87</sub>		2 25.3 77°29	0°1/25.2 18		
1 22	10 52.82	+ 0 40.2	1.279	2.105	18.8	19.9	1 22	10 55.60	+ 8 53.2	2.172	2.988	12.4	19.7
2 1	10 49.33	+ 0 27.5	1.201	2.098	14.7	19.6	2 1	10 50.10	+ 9 0.4	2.102	3.001	9.2	19.5
2 11	10 42.96	+ 0 37.2	1.143	2.092	10.0	19.3	2 11	10 42.78	+ 9 15.6	2.057	3.014	5.6	19.3
2 21	10 34.46	+ 1 7.6	1.108	2.087	5.2	19.1	2 21	10 34.29	+ 9 35.3	2.040	3.026	1.7	19.1
3 2	10 25.10	+ 1 53.7	1.098	2.083	4.1	19.0	3 2	10 25.47	+ 9 55.5	2.053	3.039	2.3	19.1
3 12	10 16.43	+ 2 47.1	1.112	2.079	8.6	19.2	3 12	10 17.24	+10 12.1	2.095	3.052	6.1	19.4
3 22	10 9.78	+ 3 38.9	1.150	2.077	13.6	19.5	3 22	10 10.38	+10 22.2	2.165	3.064	9.6	19.6
4 1	10 6.08	+ 4 21.5	1.207	2.075	18.0	19.7	4 1	10 5.44	+10 23.8	2.259	3.077	12.5	19.9
<b>125112</b>	2001 UU <sub>44</sub>		2 25.3 212°77	1°5/23.9 18			<b>370800</b>	2004 TZ <sub>147</sub>		2 25.3 104°74	0°4/25.6 18		
1 22	10 57.26	+10 15.7	1.774	2.602	14.2	20.9	1 22	10 54.63	+ 6 17.0	2.016	2.830	13.3	22.1
2 1	10 51.97	+11 5.5	1.689	2.595	10.6	20.7	2 1	10 49.57	+ 6 37.7	1.943	2.839	10.0	21.9
2 11	10 44.26	+12 7.2	1.629	2.589	6.4	20.4	2 11	10 42.55	+ 7 10.0	1.894	2.849	6.1	21.6
2 21	10 34.81	+13 14.6	1.595	2.581	2.1	20.1	2 21	10 34.24	+ 7 50.0	1.873	2.858	2.0	21.4
3 2	10 24.66	+14 19.7	1.591	2.573	3.8	20.2	3 2	10 25.52	+ 8 32.6	1.880	2.867	2.3	21.4
3 12	10 15.05	+15 15.1	1.615	2.564	8.3	20.5	3 12	10 17.39	+ 9 12.3	1.917	2.876	6.4	21.7
3 22	10 7.07	+15 55.6	1.665	2.555	12.5	20.7	3 22	10 10.68	+ 9 44.7	1.981	2.885	10.1	21.9
4 1	10 1.51	+16 18.8	1.737	2.545	16.1	20.9	4 1	10 5.98	+10 6.9	2.069	2.893	13.2	22.2
<b>255707</b>	2006 QH <sub>97</sub>		2 25.3 262°28	0°5/25.7 16			<b>22873</b>	Heatherholt		2 25.3 184°05	1°6/26.7 18		
1 22	10 54.57	+ 5 7.5	1.780	2.597	14.6	21.6	1 22	10 56.46	+ 2 28.4	2.084	2.879	13.6	19.8
2 1	10 50.05	+ 5 39.0	1.682	2.580	11.2	21.4	2 1	10 50.97	+ 2 45.5	1.996	2.880	10.4	19.6
2 11	10 43.15	+ 6 26.8	1.608	2.564	7.0	21.1	2 11	10 43.46	+ 3 17.2	1.933	2.879	6.8	19.3
2 21	10 34.49	+ 7 26.8	1.561	2.546	2.4	20.8	2 21	10 34.54	+ 4 0.5	1.897	2.879	2.9	19.1
3 2	10 25.04	+ 8 32.7	1.542	2.529	2.7	20.7	3 2	10 25.10	+ 4 50.8	1.891	2.877	2.4	19.0
3 12	10 15.97	+ 9 36.7	1.551	2.511	7.5	21.0	3 12	10 16.13	+ 5 42.2	1.915	2.875	6.2	19.3
3 22	10 8.39	+10 32.1	1.586	2.492	12.0	21.2	3 22	10 8.52	+ 6 29.5	1.966	2.872	10.0	19.5
4 1	10 3.13	+11 14.0	1.644	2.474	15.9	21.4	4 1	10 2.95	+ 7 8.3	2.042	2.869	13.3	19.7
<b>256114</b>	2006 UD <sub>291</sub>		2 25.3 47°23	1°3/23.8 18 R			<b>176636</b>	2002 LT <sub>42</sub>		2 25.3 155°88	0°6/25.9 18		
1 22	10 50.69	+ 5 21.9	1.640	2.470	15.1	19.5	1 22	10 54.96	+ 3 47.5	2.198	2.998	12.8	20.9
2 1	10 47.15	+ 7 18.8	1.565	2.472	11.2	19.2	2 1	10 49.71	+ 4 33.8	2.118	3.007	9.7	20.8
2 11	10 41.33	+ 9 37.3	1.514	2.475	6.6	19.0	2 11	10 42.61	+ 5 34.2	2.064	3.015	6.0	20.5
2 21	10 33.91	+12 8.0	1.492	2.479	2.0	18.7	2 21	10 34.27	+ 6 44.3	2.038	3.023	2.1	20.3
3 2	10 25.88	+14 38.1	1.499	2.482	3.9	18.8	3 2	10 25.52	+ 7 58.2	2.043	3.030	2.2	20.3
3 12	10 18.42	+16 54.9	1.536	2.485	8.6	19.1	3 12	10 17.26	+ 9 9.4	2.078	3.036	6.0	20.6
3 22	10 12.54	+18 49.1	1.599	2.489	12.9	19.4	3 22	10 10.29	+10 12.5	2.141	3.041	9.6	20.8
4 1	10 8.99	+20 16.2	1.684	2.492	16.5	19.6	4 1	10 5.20	+11 3.6	2.229	3.046	12.7	21.0
<b>96138</b>	3277 T <sub>-3</sub>		2 25.3 127°79	1°0/24.3 18			<b>191953</b>	2005 UJ <sub>123</sub>		2 25.3 257°81	0°8/25.9 18		
1 22	10 54.76	+10 11.0	2.094	2.917	12.5	20.5	1 22	10 56.79	+ 4 59.5	1.541	2.363	16.3	20.9
2 1	10 49.61	+10 47.3	2.022	2.926	9.3	20.3	2 1	10 52.06	+ 5 21.7	1.448	2.348	12.5	20.6
2 11	10 42.55	+11 32.3	1.975	2.934	5.5	20.1	2 11	10 44.58	+ 6 1.7	1.377	2.332	7.9	20.3
2 21	10 34.22	+12 21.0	1.956	2.942	1.7	19.8	2 21	10 35.00	+ 6 55.6	1.331	2.316	2.8	19.9
3 2	10 25.50	+13 7.7	1.967	2.950	3.0	19.9	3 2	10 24.47	+ 7 56.4	1.312	2.299	3.0	19.9
3 12	10 17.36	+13 47.1	2.006	2.957	6.8	20.2	3 12	10 14.40	+ 8 55.9	1.321	2.283	8.3	20.2
3 22	10 10.59	+14 15.6	2.073	2.964	10.3	20.4	3 22	10 6.10	+ 9 46.4	1.355	2.265	13.3	20.4
4 1	10 5.80	+14 31.3	2.163	2.971	13.3	20.6	4 1	10 0.52	+10 22.8	1.410	2.248	17.6	20.6
<b>502493</b>	2015 BZ <sub>381</sub>		2 25.3 134°09	1°8/23.4 17			<b>246398</b>	2007 UN <sub>60</sub>		2 25.3 51°01	0°1/25.3 17		
1 22	10 53.60	+12 8.8	2.194	3.021	11.9	21.8	1 22	10 52.07	+ 7 6.9	2.054	2.875	12.8	20.7
2 1	10 48.70	+12 59.6	2.122	3.029	8.7	21.6	2 1	10 47.64	+ 7 34.7	1.985	2.885	9.6	20.5
2 11	10 41.98	+13 57.7	2.076	3.036	5.2	21.4	2 11	10 41.37	+ 8 13.3	1.940	2.897	5.8	20.3
2 21	10 34.05	+14 57.6	2.059	3.043	2.0	21.2	2 21	10 33.90	+ 8 58.7	1.922	2.908	1.8	20.1
3 2	10 25.74	+15 53.3	2.071	3.050	3.5	21.3	3 2	10 26.07	+ 9 45.4	1.933	2.919	2.3	20.1
3 12	10 17.95	+16 39.3	2.113	3.057	7.0	21.6	3 12	10 18.81	+10 28.1	1.973	2.931	6.3	20.4
3 22	10 11.47	+17 12.4	2.181	3.063	10.3	21.8	3 22	10 12.88	+11 2.5	2.040	2.943	9.9	20.6
4 1	10 6.87	+17 30.8	2.272	3.069	13.1	22.0	4 1	10 8.86	+11 25.7	2.130	2.955	12.9	20.9
<b>94967</b>	2001 YH <sub>106</sub>		2 25.3 12°35	3°8/21.4 18			<b>205822</b>	2002 CT <sub>259</sub>		2 25.3 322°44	4°6/22.4 18		
1 22	10 52.21	+15 24.0	1.799	2.644	13.2	19.4	1 22	10 54.52	+16 28.8	1.207	2.071	17.1	19.5
2 1	10 48.14	+16 52.6	1.729	2.645	9.7	19.1	2 1	10 51.06	+17 13.6	1.126	2.050	12.9	19.2
2 11	10 41.86	+18 29.2	1.684	2.645	6.1	18.9	2 11	10 44.29	+18 7.0	1.065	2.029	8.2	18.8
2 21	10 34.06	+20 4.9	1.667	2.645	3.8	18.8	2 21	10 34.98	+18 59.6	1.028	2.009	4.7	18.6
3 2	10 25.70	+21 30.4	1.678	2.646	5.8	18.9	3 2	10 24.52	+19 40.3	1.015	1.990	7.0	18.6
3 12	10 17.94	+22 37.9	1.716	2.646	9.4	19.1	3 12	10 14.74	+20 0.1	1.025	1.972	12.1	18.9
3 22	10 11.71	+23 23.5	1.780	2.647	13.0	19.3	3 22	10 7.23	+19 54.8	1.057	1.955	17.2	19.1
4 1	10 7.73	+23 46.2	1.864	2.647	16.0	19.5	4 1	10 3.10	+19 24.6	1.106	1.939	21.7	19.3
<b>226884</b>	2004 TX <sub>126</sub>		2 25.3 210°07	3°1/22.1 17			<b>370831</b>	2004 VO <sub>80</sub>		2 25.3 115°36	2°7/22.8 18		
1 22	10 54.79	+16 23.0	2.163	2.997	11.8	20.8	1 22	10 55.29	+15 5.4	2.074	2.907	12.2	20.9
2 1	10 49.73	+17 17.8	2.084	2.993	8.7	20.6	2 1	10 50.04	+15 51.8	2.007	2.916	9.0	20.7
2 11	10 42.69	+18 17.2	2.030	2.989	5.4	20.4	2 11	10 42.84	+16 43.1	1.966	2.925	5.5	20.5
2 21	10 34.29	+19 15.0	2.005	2.984	3.2	20.2	2 21	10 34.35	+17 33.1	1.952	2.934	2.8	20.4
3 2	10 25.40	+20 4.7	2.009	2.979	4.7	20.3	3 2	10 25.49	+18 15.9	1.969	2.943	4.3	20.5
3 12	10 17.00	+20 41.2	2.042	2.974	8.0	20.5	3 12	10 17.25	+18 46.7	2.013	2.952	7.7	20.7
3 22	10 9.95	+21 1.6	2.101	2.969	11.3	20.7	3 22	10 10.45	+19 2.7	2.084	2.960	11.0	20.9
4 1	10 4.90	+21 5.3	2.183	2.963	14.1	20.9	4 1	10 5.69	+19 3.6	2.178	2.968	13.8	21.1
<b>72925</b>	2001 XJ <sub>90</sub>		2 25.3 20°92	0°6/25.8 18			<b>165280</b>	2000 SO <sub>305</sub>		2 25.3 171°14	3°0/27.9 18		
1 22	10 53.96	+ 5 33.1	1.776	2.596	1								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>8490</b>	1989 <i>TU</i> <sub>10</sub>		2 25.3	75°69	1.7°/26.7	18							
1 22	10 56.69	+ 1 17.4	1.481	2.293	17.4	18.1							
2 1	10 51.48	+ 2 0.5	1.429	2.322	13.2	17.9							
2 11	10 43.83	+ 3 4.5	1.399	2.350	8.4	17.7							
2 21	10 34.65	+ 4 23.5	1.395	2.378	3.4	17.4							
3 2	10 25.16	+ 5 48.8	1.419	2.406	2.8	17.5							
3 12	10 16.63	+ 7 10.9	1.470	2.433	7.4	17.8							
3 22	10 10.04	+ 8 21.9	1.547	2.460	11.8	18.1							
4 1	10 6.03	+ 9 17.1	1.646	2.486	15.4	18.4							
<b>93961</b>	2000 <i>WF</i> <sub>191</sub>		2 25.3	66°10	3°8/21.6	18							
1 22	10 52.97	+15 43.0	1.776	2.621	13.4	19.2							
2 1	10 48.64	+17 5.3	1.715	2.631	9.8	19.0							
2 11	10 42.13	+18 34.0	1.680	2.640	6.1	18.8							
2 21	10 34.16	+20 0.4	1.672	2.650	3.8	18.7							
3 2	10 25.75	+21 15.8	1.692	2.660	5.7	18.8							
3 12	10 18.02	+22 13.1	1.739	2.670	9.2	19.1							
3 22	10 11.90	+22 49.3	1.811	2.680	12.7	19.3							
4 1	10 8.02	+23 3.8	1.904	2.690	15.7	19.5							
<b>160635</b>	1999 <i>VA</i> <sub>83</sub>		2 25.3	261°84	16°4/19.2	17							
1 22	11 16.32	+42 35.9	1.198	2.022	19.9	19.3							
2 1	11 8.20	+44 15.6	1.149	2.014	17.8	19.2							
2 11	10 54.96	+45 30.1	1.118	2.006	16.6	19.0							
2 21	10 38.18	+46 0.4	1.108	1.998	16.7	19.0							
3 2	10 20.56	+45 34.4	1.119	1.990	18.3	19.1							
3 12	10 5.12	+44 12.0	1.149	1.981	20.7	19.2							
3 22	9 53.90	+42 3.8	1.196	1.973	23.5	19.4							
4 1	9 47.72	+39 23.8	1.258	1.964	26.0	19.5							
<b>200221</b>	1999 <i>TB</i> <sub>229</sub>		2 25.3	212°62	2°1/27.6	17							
1 22	10 51.82	- 0 27.1	2.236	3.024	13.0	21.0							
2 1	10 47.47	+ 0 2.5	2.144	3.020	10.1	20.8							
2 11	10 41.33	+ 0 49.0	2.075	3.016	6.8	20.6							
2 21	10 33.94	+ 1 49.5	2.033	3.011	3.4	20.4							
3 2	10 26.05	+ 2 59.4	2.021	3.006	2.5	20.3							
3 12	10 18.55	+ 4 12.5	2.038	3.000	5.8	20.5							
3 22	10 12.20	+ 5 22.6	2.084	2.995	9.3	20.7							
4 1	10 7.64	+ 6 24.5	2.154	2.989	12.4	20.9							
<b>7249</b>	1992 <i>SN</i>		2 25.3	113°64	1°4/26.5	18							
1 22	10 56.38	+ 3 31.7	2.061	2.861	13.6	18.0							
2 1	10 50.80	+ 3 42.3	1.990	2.876	10.3	17.8							
2 11	10 43.28	+ 4 5.9	1.943	2.891	6.6	17.6							
2 21	10 34.51	+ 4 39.4	1.924	2.906	2.7	17.4							
3 2	10 25.37	+ 5 18.4	1.934	2.920	2.3	17.4							
3 12	10 16.85	+ 5 57.6	1.974	2.934	6.1	17.7							
3 22	10 9.75	+ 6 32.3	2.041	2.948	9.7	17.9							
4 1	10 4.67	+ 6 59.2	2.133	2.961	12.8	18.2							
<b>385647</b>	2005 <i>QR</i> <sub>178</sub>		2 25.3	74°38	1°6/27.4	17							
1 22	10 48.76	- 0 52.3	2.437	3.224	12.1	21.1							
2 1	10 45.04	+ 0 4.8	2.348	3.225	9.3	20.9							
2 11	10 39.77	+ 1 19.0	2.284	3.226	6.2	20.7							
2 21	10 33.45	+ 2 46.6	2.248	3.227	2.9	20.5							
3 2	10 26.74	+ 4 22.2	2.242	3.228	2.1	20.4							
3 12	10 20.39	+ 5 58.9	2.267	3.229	5.3	20.7							
3 22	10 15.07	+ 7 30.3	2.321	3.230	8.5	20.9							
4 1	10 11.31	+ 8 51.3	2.400	3.231	11.4	21.1							
<b>57583</b>	2001 <i>TZ</i> <sub>67</sub>		2 25.3	90°78	0°2/25.5	18							
1 22	10 52.07	+ 6 20.3	2.409	3.218	11.5	19.6							
2 1	10 47.37	+ 6 54.3	2.341	3.236	8.6	19.4							
2 11	10 41.10	+ 7 38.3	2.298	3.253	5.2	19.2							
2 21	10 33.83	+ 8 28.4	2.284	3.270	1.6	19.0							
3 2	10 26.28	+ 9 19.9	2.300	3.287	2.0	19.0							
3 12	10 19.23	+10 7.9	2.346	3.303	5.5	19.3							
3 22	10 13.33	+10 48.6	2.420	3.320	8.7	19.5							
4 1	10 9.07	+11 19.2	2.519	3.336	11.4	19.7							
<b>447640</b>	2006 <i>VO</i> <sub>28</sub>		2 25.3	100°24	4°5/22.3	18							
1 22	11 2.66	+17 6.1	1.366	2.211	16.7	21.8							
2 1	10 56.26	+18 6.5	1.316	2.230	12.3	21.6							
2 11	10 46.89	+19 11.2	1.289	2.249	7.7	21.4							
2 21	10 35.63	+20 10.1	1.288	2.267	4.6	21.2							
3 2	10 23.97	+20 53.6	1.314	2.285	6.6	21.4							
3 12	10 13.52	+21 15.7	1.366	2.302	10.8	21.7							
3 22	10 5.48	+21 15.3	1.442	2.319	14.8	21.9							
4 1	10 0.54	+20 54.1	1.537	2.335	18.3	22.2							
<b>411228</b>	2010 <i>PW</i> <sub>1</sub>		2 25.3	212°62	1°8/26.8	17							
1 22	10 56.65	+ 2 17.5	1.995	2.792	14.1	21.9							
2 1	10 51.30	+ 2 30.0	1.902	2.785	10.9	21.7							
2 11	10 43.78	+ 2 57.8	1.832	2.778	7.1	21.5							
2 21	10 34.72	+ 3 38.2	1.789	2.770	3.2	21.2							
3 2	10 25.03	+ 4 26.7	1.776	2.762	2.6	21.1							
3 12	10 15.77	+ 5 17.3	1.792	2.753	6.5	21.4							
3 22	10 7.89	+ 6 4.3	1.835	2.743	10.5	21.6							
4 1	10 2.15	+ 6 43.0	1.902	2.732	14.0	21.8							
<b>341829</b>	2008 <i>BF</i> <sub>39</sub>		2 25.3	124°05	3°0/21.5	17							
1 22	10 51.50	+17 18.4	2.594	3.428	10.1	20.7							
2 1	10 46.96	+18 21.7	2.526	3.436	7.4	20.5							
2 11	10 40.87	+19 28.0	2.486	3.443	4.7	20.4							
2 21	10 33.77	+20 31.6	2.474	3.451	3.0	20.3							
3 2	10 26.35	+21 27.3	2.493	3.458	4.4	20.4							
3 12	10 19.37	+22 10.6	2.541	3.465	7.0	20.5							
3 22	10 13.48	+22 39.2	2.615	3.472	9.7	20.7							
4 1	10 9.18	+22 52.6	2.713	3.479	12.0	20.9							
<b>351273</b>	2004 <i>RQ</i> <sub>238</sub>		2 25.3	269°59	1°5/26.5	17							
1 22	10 54.55	+ 2 21.0	1.583	2.399	16.3	22.1							
2 1	10 50.39	+ 2 53.4	1.484	2.378	12.6	21.8							
2 11	10 43.59	+ 3 47.5	1.406	2.358	8.2	21.5							
2 21	10 34.75	+ 4 59.7	1.354	2.337	3.3	21.1							
3 2	10 24.93	+ 6 23.2	1.329	2.316	2.9	21.0							
3 12	10 15.46	+ 7 48.5	1.331	2.294	8.1	21.3							
3 22	10 7.61	+ 9 6.3	1.359	2.272	13.0	21.5							
4 1	10 2.36	+10 9.6	1.408	2.250	17.4								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>409816</b>	2006 <i>JN</i> <sub>15</sub>		2 25.3 261°00		1.1°/26.1	14 C	<b>288549</b>	2004 <i>GU</i> <sub>44</sub>		2 25.3 275°60		0.2°/25.5	17
1 22	10 55.54	+ 4 19.6	1.683	2.499	15.4	22.1	1 22	10 52.47	+ 7 2.7	2.352	3.164	11.7	21.5
2 1	10 50.92	+ 4 40.4	1.589	2.485	11.8	21.8	2 1	10 47.94	+ 7 22.3	2.254	3.150	8.8	21.3
2 11	10 43.79	+ 5 18.2	1.517	2.470	7.5	21.5	2 11	10 41.65	+ 7 51.8	2.181	3.136	5.4	21.0
2 21	10 34.79	+ 6 9.2	1.470	2.455	2.8	21.2	2 21	10 34.10	+ 8 28.2	2.135	3.121	1.7	20.7
3 2	10 24.96	+ 7 7.5	1.452	2.439	2.7	21.1	3 2	10 26.04	+ 9 7.2	2.120	3.106	2.1	20.7
3 12	10 15.57	+ 8 5.5	1.462	2.424	7.6	21.4	3 12	10 18.31	+ 9 44.0	2.134	3.092	5.9	21.0
3 22	10 7.76	+ 8 56.3	1.497	2.408	12.3	21.6	3 22	10 11.68	+10 14.5	2.176	3.077	9.4	21.2
4 1	10 2.43	+ 9 34.8	1.555	2.391	16.3	21.8	4 1	10 6.78	+10 35.9	2.242	3.062	12.5	21.3
<b>267490</b>	2002 <i>GH</i> <sub>179</sub>		2 25.3 200°27		2°5/22.9	17	<b>224343</b>	2005 <i>UU</i> <sub>79</sub>		2 25.3 211°70		5°9/19.2	17
1 22	10 57.32	+16 14.3	2.389	3.214	11.1	20.8	1 22	10 58.48	+25 58.2	2.273	3.105	11.3	21.2
2 1	10 51.42	+16 44.2	2.306	3.211	8.2	20.6	2 1	10 52.54	+27 5.7	2.199	3.099	8.8	21.1
2 11	10 43.67	+17 17.0	2.249	3.207	5.1	20.4	2 11	10 44.48	+28 10.2	2.151	3.091	6.6	20.9
2 21	10 34.67	+17 48.1	2.221	3.203	2.6	20.2	2 21	10 34.97	+29 4.4	2.131	3.084	5.9	20.9
3 2	10 25.24	+18 12.5	2.224	3.198	3.9	20.3	3 2	10 24.94	+29 41.7	2.140	3.075	7.3	20.9
3 12	10 16.28	+18 26.5	2.257	3.193	7.1	20.5	3 12	10 15.46	+29 58.1	2.177	3.066	9.8	21.1
3 22	10 8.61	+18 28.1	2.316	3.188	10.2	20.7	3 22	10 7.44	+29 53.0	2.239	3.057	12.5	21.2
4 1	10 2.82	+18 16.9	2.400	3.182	12.9	20.9	4 1	10 1.57	+29 28.0	2.321	3.047	14.8	21.4
<b>492877</b>	2014 <i>QR</i> <sub>393</sub>		2 25.3 215°30		2°2/23.4	17	<b>66322</b>	1999 <i>JV</i> <sub>52</sub>		2 25.3 236°07		0°1/25.2	17
1 22	10 59.01	+13 34.6	2.008	2.833	12.9	22.6	1 22	10 56.63	+ 6 39.3	2.051	2.862	13.2	20.3
2 1	10 53.08	+14 14.8	1.920	2.825	9.6	22.4	2 1	10 51.35	+ 7 16.5	1.950	2.845	10.0	20.1
2 11	10 44.90	+15 2.0	1.857	2.816	5.8	22.2	2 11	10 43.90	+ 8 7.1	1.873	2.828	6.2	19.8
2 21	10 35.11	+15 50.4	1.822	2.806	2.5	21.9	2 21	10 34.84	+ 9 6.7	1.825	2.811	1.9	19.5
3 2	10 24.67	+16 33.5	1.817	2.795	4.1	22.0	3 2	10 25.04	+10 9.5	1.806	2.792	2.6	19.5
3 12	10 14.74	+17 5.6	1.841	2.784	8.0	22.2	3 12	10 15.59	+11 8.7	1.817	2.772	7.0	19.7
3 22	10 6.30	+17 23.5	1.892	2.772	11.7	22.4	3 22	10 7.46	+11 58.8	1.855	2.752	11.0	19.9
4 1	10 0.11	+17 25.9	1.966	2.759	15.0	22.6	4 1	10 1.42	+12 35.9	1.917	2.731	14.6	20.1
<b>179793</b>	2002 <i>TJ</i> <sub>21</sub>		2 25.3 93°17		0°7/24.8	18	<b>270822</b>	2002 <i>SY</i> <sub>17</sub>		2 25.3 67°62		4°9/22.2	18
1 22	10 57.52	+ 9 1.5	1.740	2.564	14.6	21.3	1 22	11 2.58	+20 29.4	1.539	2.382	15.3	20.7
2 1	10 51.94	+ 9 30.3	1.678	2.581	10.8	21.1	2 1	10 55.88	+21 4.5	1.491	2.402	11.4	20.5
2 11	10 44.10	+10 9.7	1.639	2.598	6.5	20.8	2 11	10 46.52	+21 38.5	1.467	2.423	7.4	20.3
2 21	10 34.81	+10 54.3	1.628	2.614	1.9	20.6	2 21	10 35.54	+22 3.5	1.469	2.444	4.9	20.2
3 2	10 25.15	+11 37.8	1.646	2.631	3.0	20.7	3 2	10 24.32	+22 12.9	1.498	2.465	6.5	20.3
3 12	10 16.27	+12 14.2	1.691	2.647	7.4	21.0	3 12	10 14.26	+22 3.2	1.555	2.486	10.1	20.6
3 22	10 9.12	+12 39.3	1.763	2.662	11.4	21.3	3 22	10 6.43	+21 34.9	1.635	2.507	13.7	20.9
4 1	10 4.33	+12 51.2	1.857	2.677	14.7	21.5	4 1	10 1.43	+20 50.6	1.737	2.527	16.8	21.1
<b>8312</b>	1996 <i>TJ</i> <sub>12</sub>		2 25.3 183°76		3°9/21.0	18	<b>135341</b>	2001 <i>TF</i> <sub>23</sub>		2 25.3 86°59		3°8/28.8	18
1 22	10 54.63	+20 52.2	2.507	3.341	10.4	18.3	1 22	10 54.56	- 3 37.8	1.880	2.659	15.4	19.4
2 1	10 49.38	+21 41.0	2.434	3.341	7.8	18.1	2 1	10 49.63	- 3 31.7	1.811	2.678	12.2	19.3
2 11	10 42.40	+22 30.0	2.388	3.341	5.2	17.9	2 11	10 42.68	- 3 5.5	1.765	2.696	8.6	19.1
2 21	10 34.29	+23 13.5	2.370	3.340	3.9	17.9	2 21	10 34.40	- 2 21.1	1.745	2.714	5.1	18.9
3 2	10 25.80	+23 46.6	2.382	3.340	5.2	17.9	3 2	10 25.74	- 1 23.3	1.753	2.733	3.9	18.9
3 12	10 17.80	+24 5.6	2.423	3.339	7.8	18.1	3 12	10 17.72	- 0 18.6	1.789	2.750	6.5	19.1
3 22	10 11.01	+24 9.0	2.490	3.338	10.4	18.3	3 22	10 11.21	+ 0 46.0	1.852	2.768	9.9	19.3
4 1	10 5.99	+23 57.2	2.579	3.336	12.8	18.4	4 1	10 6.81	+ 1 44.5	1.939	2.785	13.1	19.5
<b>144408</b>	2004 <i>EZ</i> <sub>8</sub>		2 25.3 255°56		3°6/29.1	17	<b>8218</b>	Hosty		2 25.3 196°49		1°6/26.7	18
1 22	10 51.36	- 4 3.2	2.376	3.144	12.9	19.7	1 22	10 56.35	+ 2 11.4	1.883	2.684	14.6	18.5
2 1	10 47.05	- 4 5.5	2.283	3.141	10.4	19.5	2 1	10 51.17	+ 2 35.2	1.795	2.682	11.3	18.3
2 11	10 41.06	- 3 51.4	2.213	3.138	7.5	19.3	2 11	10 43.76	+ 3 15.9	1.731	2.679	7.3	18.1
2 21	10 33.90	- 3 22.0	2.169	3.134	4.7	19.2	2 21	10 34.78	+ 4 10.2	1.693	2.675	3.1	17.8
3 2	10 26.29	- 2 40.0	2.154	3.131	3.7	19.1	3 2	10 25.17	+ 5 12.5	1.685	2.671	2.6	17.7
3 12	10 19.04	- 1 50.0	2.169	3.128	5.7	19.2	3 12	10 16.06	+ 6 15.9	1.705	2.666	6.8	18.0
3 22	10 12.87	- 0 57.2	2.210	3.124	8.7	19.4	3 22	10 8.43	+ 7 13.8	1.752	2.661	10.9	18.2
4 1	10 8.37	- 0 6.6	2.277	3.121	11.5	19.6	4 1	10 3.01	+ 8 1.3	1.823	2.655	14.5	18.4
<b>414225</b>	2008 <i>FS</i> <sub>20</sub>		2 25.3 19°62		4°3/22.2	16	<b>79069</b>	3275 <i>T</i> <sub>-3</sub>		2 25.3 197°68		1°2/24.2	18
1 22	10 52.47	+15 22.5	1.248	2.112	16.7	20.6	1 22	10 57.47	+10 22.5	2.129	2.947	12.6	21.5
2 1	10 49.02	+16 29.5	1.194	2.119	12.3	20.4	2 1	10 51.78	+11 1.8	2.043	2.943	9.3	21.3
2 11	10 42.69	+17 44.8	1.162	2.127	7.6	20.1	2 11	10 44.03	+11 50.2	1.981	2.939	5.6	21.1
2 21	10 34.44	+18 58.1	1.154	2.136	4.3	19.9	2 21	10 34.84	+12 42.7	1.949	2.935	1.8	20.8
3 2	10 25.64	+19 58.3	1.171	2.145	6.5	20.1	3 2	10 25.11	+13 33.3	1.946	2.929	3.1	20.9
3 12	10 17.82	+20 37.3	1.213	2.156	11.0	20.4	3 12	10 15.85	+14 16.5	1.974	2.922	7.0	21.1
3 22	10 12.17	+20 51.8	1.276	2.168	15.3	20.7	3 22	10 7.96	+14 48.2	2.028	2.915	10.7	21.3
4 1	10 9.43	+20 42.5	1.358	2.181	19.0	20.9	4 1	10 2.12	+15 6.3	2.106	2.907	13.9	21.5
<b>85597</b>	1998 <i>FF</i> <sub>82</sub>		2 25.3 1°02		8°4/20.1	18	<b>61349</b>	2000 <i>PD</i> <sub>9</sub>		2 25.3 160°68		6°2/18.5	18
1 22	10 58.81	+27 18.0	1.338	2.196	16.2	17.5	1 22	10 58.48	+27 50.2	2.375	3.205	11.0	19.5
2 1	10 53.82	+28 6.5	1.281	2.194	12.7	17.3	2 1	10 52.37	+29 3.6	2.316	3.212	8.6	19.3
2 11	10 45.64	+28 47.7	1.246	2.193	9.6	17.1	2 11	10 44.28	+30 12.0	2.284	3.218	6.7	19.2
2 21	10 35.34	+29 10.6	1.234	2.193	8.4	17.0	2 21	10 34.88	+31 8.3	2.280	3.224	6.2	19.2
3 2	10 24.49	+29 6.8	1.246	2.194	10.1	17.1	3 2	10 25.11	+31 46.4	2.305	3.229	7.6	19.3
3 12	10 14.79	+28 33.3	1.283	2.196	13.4	17.3	3 12	10 15.96	+32 3.1	2.358	3.233	9.8	19.4
3 22	10 7.55	+27 32.3	1.340	2.199	16.9	17.5	3 22	10 8.29	+31 58.3	2.434	3.237	12.1	19.6
4 1	10 3.53	+26 9.3	1.416	2.204	20.1	17.8	4 1	10 2.68	+31 34.1	2.532	3.240	14.1	19.8
<b>433392</b>	2013 <i>TP</i> <sub>7</sub>		2 25.3 153°61		4°7/ 1.7	18	<b>82178</b>	2001 <i>HB</i> <sub>14</sub>		2 25.3 314°88		2°0/26.7	18

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>26381</b>	1999 <i>KV</i> <sub>15</sub>		2 25.3 111°27'	0°6/25.9	18		<b>109091</b>	2001 <i>QA</i> <sub>31</sub>		2 25.3 149°07'	4°3/19.7	17	
1 22	10 53.76	+ 4 32.3	2.003	2.813	13.5	18.4	1 22	10 55.64	+25 33.0	3.108	3.933	8.8	20.3
2 1	10 48.99	+ 5 8.3	1.931	2.825	10.2	18.2	2 1	10 49.81	+26 23.2	3.047	3.944	6.7	20.2
2 11	10 42.28	+ 5 58.1	1.883	2.836	6.3	18.0	2 11	10 42.54	+27 10.2	3.014	3.954	5.0	20.1
2 21	10 34.30	+ 6 57.5	1.862	2.847	2.2	17.8	2 21	10 34.36	+27 49.4	3.010	3.964	4.3	20.1
3 2	10 25.91	+ 8 0.6	1.870	2.857	2.3	17.8	3 2	10 25.94	+28 16.7	3.037	3.973	5.4	20.1
3 12	10 18.09	+ 9 0.7	1.908	2.868	6.3	18.1	3 12	10 17.98	+28 29.7	3.092	3.982	7.2	20.3
3 22	10 11.66	+ 9 52.7	1.973	2.878	10.0	18.3	3 22	10 11.08	+28 27.8	3.174	3.990	9.2	20.4
4 1	10 7.21	+10 32.9	2.061	2.888	13.2	18.5	4 1	10 5.71	+28 11.9	3.280	3.997	11.0	20.6
<b>153800</b>	2001 <i>VT</i> <sub>97</sub>		2 25.3 73°77'	0°8/26.1	18		<b>202703</b>	2007 <i>FO</i> <sub>43</sub>		2 25.3 235°83'	6°5/2.9	17	
1 22	10 53.15	+ 2 10.8	1.757	2.567	15.1	19.9	1 22	10 53.10	-12 26.2	2.335	3.053	14.5	20.3
2 1	10 48.66	+ 3 15.8	1.698	2.591	11.4	19.7	2 1	10 48.52	-12 48.2	2.232	3.043	12.3	20.1
2 11	10 42.11	+ 4 39.3	1.663	2.615	7.1	19.5	2 11	10 42.09	-12 49.3	2.149	3.033	9.9	19.9
2 21	10 34.24	+ 6 14.8	1.655	2.639	2.5	19.3	2 21	10 34.31	-12 28.3	2.091	3.022	7.6	19.8
3 2	10 26.03	+ 7 54.1	1.676	2.663	2.4	19.3	3 2	10 25.94	-11 46.1	2.061	3.011	6.5	19.7
3 12	10 18.55	+ 9 28.0	1.726	2.686	6.8	19.6	3 12	10 17.87	-10 46.6	2.058	2.999	7.3	19.7
3 22	10 12.63	+10 49.5	1.803	2.710	10.7	19.9	3 22	10 10.91	- 9 36.0	2.082	2.987	9.6	19.8
4 1	10 8.87	+11 54.2	1.903	2.733	14.0	20.2	4 1	10 5.73	- 8 21.0	2.131	2.975	12.2	19.9
<b>56983</b>	2000 <i>SF</i> <sub>190</sub>		2 25.3 82°56'	0°3/24.9	18		<b>117358</b>	2004 <i>XJ</i> <sub>95</sub>		2 25.3 347°04'	0°7/25.8	18	
1 22	10 49.91	+ 6 25.8	2.330	3.146	11.7	19.4	1 22	10 51.31	+ 5 11.6	1.217	2.063	18.3	19.6
2 1	10 45.95	+ 7 24.7	2.253	3.152	8.7	19.2	2 1	10 48.38	+ 5 34.1	1.143	2.056	13.9	19.4
2 11	10 40.38	+ 8 35.4	2.201	3.158	5.2	19.0	2 11	10 42.53	+ 6 17.5	1.089	2.049	8.7	19.0
2 21	10 33.72	+ 9 53.0	2.178	3.164	1.5	18.8	2 21	10 34.53	+ 7 16.7	1.058	2.044	3.0	18.7
3 2	10 26.69	+11 11.7	2.185	3.170	2.3	18.9	3 2	10 25.67	+ 8 23.1	1.052	2.039	3.2	18.7
3 12	10 20.08	+12 25.1	2.222	3.176	5.9	19.1	3 12	10 17.55	+ 9 26.4	1.070	2.036	9.0	19.0
3 22	10 14.59	+13 28.3	2.286	3.182	9.3	19.3	3 22	10 11.50	+10 17.8	1.110	2.033	14.4	19.3
4 1	10 10.74	+14 18.1	2.375	3.188	12.1	19.5	4 1	10 8.44	+10 51.6	1.171	2.032	18.9	19.5
<b>386831</b>	2010 <i>HX</i> <sub>56</sub>		2 25.3 307°79'	3°5/29.0	17		<b>473336</b>	2015 <i>TR</i> <sub>109</sub>		2 25.3 101°99'	0°4/25.7	18	
1 22	10 49.14	- 4 6.2	2.184	2.962	13.6	20.9	1 22	10 56.49	+ 4 2.3	1.563	2.382	16.3	21.5
2 1	10 45.63	- 3 50.3	2.081	2.946	10.9	20.7	2 1	10 51.42	+ 4 58.4	1.502	2.400	12.2	21.3
2 11	10 40.34	- 3 15.0	2.001	2.931	7.8	20.5	2 11	10 43.94	+ 6 13.1	1.463	2.419	7.5	21.1
2 21	10 33.75	- 2 21.8	1.947	2.916	4.8	20.3	2 21	10 34.86	+ 7 39.7	1.451	2.437	2.5	20.8
3 2	10 26.60	- 1 14.2	1.921	2.901	3.6	20.2	3 2	10 25.34	+ 9 9.1	1.468	2.454	2.8	20.9
3 12	10 19.75	+ 0 1.9	1.924	2.887	6.0	20.3	3 12	10 16.64	+10 32.0	1.512	2.471	7.7	21.2
3 22	10 14.02	+ 1 19.5	1.954	2.872	9.4	20.5	3 22	10 9.78	+11 41.1	1.582	2.488	12.0	21.5
4 1	10 10.04	+ 2 32.4	2.009	2.858	12.6	20.6	4 1	10 5.43	+12 32.5	1.674	2.504	15.6	21.8
<b>383669</b>	2007 <i>TJ</i> <sub>175</sub>		2 25.3 46°48'	5°3/20.3	18		<b>406460</b>	2007 <i>TY</i> <sub>446</sub>		2 25.3 218°62'	5°5/19.9	18	
1 22	10 55.75	+23 42.1	2.070	2.911	11.9	20.6	1 22	10 59.21	+22 27.7	2.036	2.871	12.4	21.8
2 1	10 50.51	+24 35.0	2.009	2.916	9.1	20.4	2 1	10 53.36	+23 46.7	1.956	2.861	9.4	21.6
2 11	10 43.22	+25 25.5	1.973	2.922	6.4	20.3	2 11	10 45.16	+25 6.7	1.902	2.851	6.7	21.4
2 21	10 34.59	+26 6.7	1.965	2.928	5.3	20.2	2 21	10 35.27	+26 19.1	1.876	2.839	5.6	21.3
3 2	10 25.60	+26 32.6	1.985	2.935	6.7	20.3	3 2	10 24.71	+27 15.7	1.879	2.827	7.2	21.4
3 12	10 17.29	+26 39.6	2.032	2.941	9.4	20.5	3 12	10 14.68	+27 50.9	1.910	2.813	10.3	21.5
3 22	10 10.52	+26 27.3	2.104	2.948	12.2	20.7	3 22	10 6.21	+28 2.8	1.966	2.799	13.4	21.7
4 1	10 5.90	+25 57.1	2.197	2.954	14.7	20.9	4 1	10 0.08	+27 52.5	2.042	2.785	16.1	21.8
<b>36923</b>	2000 <i>SK</i> <sub>211</sub>		2 25.3 280°69'	3°3/22.6	18		<b>82450</b>	2001 <i>OE</i> <sub>10</sub>		2 25.3 142°18'	0°5/25.7	18	
1 22	10 54.54	+12 55.4	1.527	2.373	15.2	19.0	1 22	10 56.67	+ 5 58.7	2.144	2.950	12.9	20.2
2 1	10 50.51	+14 7.7	1.438	2.354	11.3	18.7	2 1	10 51.04	+ 6 21.0	2.068	2.960	9.7	20.0
2 11	10 43.74	+15 33.8	1.372	2.335	6.9	18.4	2 11	10 43.50	+ 6 54.5	2.018	2.971	6.0	19.8
2 21	10 34.89	+17 4.9	1.333	2.316	3.4	18.2	2 21	10 34.71	+ 7 35.5	1.995	2.980	2.0	19.5
3 2	10 25.07	+18 30.3	1.320	2.297	5.6	18.3	3 2	10 25.51	+ 8 19.1	2.003	2.989	2.2	19.5
3 12	10 15.73	+19 39.9	1.334	2.277	10.3	18.5	3 12	10 16.88	+ 9 0.1	2.040	2.998	6.1	19.8
3 22	10 8.15	+20 27.4	1.372	2.258	14.9	18.7	3 22	10 9.61	+ 9 34.2	2.105	3.006	9.7	20.0
4 1	10 3.31	+20 50.3	1.430	2.238	18.9	18.9	4 1	10 4.31	+ 9 58.5	2.194	3.013	12.8	20.3
<b>431569</b>	2007 <i>UO</i> <sub>111</sub>		2 25.3 118°84'	6°8/17.9	18		<b>215294</b>	2001 <i>RO</i> <sub>123</sub>		2 25.3 249°62'	1°9/23.9	18	
1 22	10 58.30	+31 18.5	2.411	3.239	10.9	21.0	1 22	11 0.03	+12 12.0	1.640	2.471	15.0	20.8
2 1	10 52.20	+32 19.5	2.360	3.248	8.8	20.9	2 1	10 54.42	+12 41.6	1.548	2.456	11.3	20.5
2 11	10 44.14	+33 12.6	2.334	3.257	7.2	20.8	2 11	10 46.05	+13 20.8	1.480	2.440	6.9	20.2
2 21	10 34.85	+33 51.0	2.335	3.266	6.9	20.8	2 21	10 35.61	+14 3.7	1.438	2.424	2.5	19.9
3 2	10 25.27	+34 9.7	2.365	3.275	8.1	20.9	3 2	10 24.26	+14 42.7	1.425	2.407	4.2	20.0
3 12	10 16.40	+34 6.6	2.420	3.283	10.0	21.0	3 12	10 13.43	+15 11.1	1.439	2.389	9.0	20.2
3 22	10 9.05	+33 42.4	2.500	3.292	12.1	21.2	3 22	10 4.39	+15 24.5	1.479	2.371	13.6	20.4
4 1	10 3.77	+32 59.7	2.601	3.300	14.0	21.4	4 1	9 58.09	+15 21.4	1.540	2.353	17.5	20.6
<b>503547</b>	2016 <i>FS</i> <sub>36</sub>		2 25.3 216°34'	2°7/22.4	17		<b>310041</b>	2010 <i>GZ</i> <sub>126</sub>		2 25.3 218°97'	3°6/21.9	17	
1 22	10 55.77	+16 33.1	2.491	3.317	10.7	22.2	1 22	10 57.30	+15 46.2	1.935	2.769	13.0	21.8
2 1	10 50.30	+17 16.1	2.404	3.309	7.9	22.0	2 1	10 51.99	+16 59.0	1.851	2.760	9.6	21.6
2 11	10 43.04	+18 2.6	2.343	3.301	4.9	21.8	2 11	10 44.35	+18 19.1	1.792	2.750	6.0	21.3
2 21	10 34.56	+18 47.4	2.312	3.291	2.8	21.6	2 21	10 35.04	+19 38.7	1.761	2.740	3.6	21.2
3 2	10 25.60	+19 25.5	2.311	3.282	4.1	21.7	3 2	10 25.05	+20 49.4	1.759	2.728	5.4	21.2
3 12	10 17.06	+19 52.5	2.339	3.271	7.1	21.8	3 12	10 15.54	+21 44.2	1.786	2.716	9.1	21.4
3 22	10 9.68	+20 6.2	2.395	3.261	10.1	22.0	3 22	10 7.54	+22 19.2	1.839	2.703	12.8	21.6
4 1	10 4.08	+20 5.7	2.474	3.249	12.8	22.2	4 1	10 1.84	+22 33.5	1.913	2.690	15.9	21.8
<b>120139</b>	2003 <i>GV</i> <sub>20</sub>		2 25.3 343°58'	3°3/23.5	18		<b>210218</b>	2007 <i>RX</i> <sub>37</sub>		2 25.3 1			

EPHEMERIDES

2 25.3

2 25.4

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>463643</b>	2013 <i>TD</i> <sub>126</sub>	2 25.3 247°06'		2°9'/28.1 17			<b>198771</b>	2005 <i>EY</i> <sub>97</sub>	2 25.3 55°26'		2°7'/28.1 18		
1 22	10 53.06	- 1 27.6	2.066	2.852	14.0	22.0	1 22	10 50.75	- 1 54.6	1.984	2.775	14.3	20.0
2 1	10 48.64	- 1 16.2	1.968	2.842	11.1	21.8	2 1	10 46.85	- 1 25.4	1.906	2.782	11.2	19.8
2 11	10 42.23	- 0 46.9	1.894	2.831	7.6	21.6	2 11	10 41.08	- 0 36.9	1.851	2.790	7.7	19.6
2 21	10 34.38	- 0 1.6	1.846	2.821	4.2	21.4	2 21	10 34.03	+ 0 28.0	1.822	2.797	4.1	19.4
3 2	10 25.92	+ 0 55.8	1.827	2.810	3.2	21.3	3 2	10 26.55	+ 1 43.9	1.821	2.805	3.0	19.3
3 12	10 17.83	+ 1 59.3	1.836	2.799	6.2	21.4	3 12	10 19.57	+ 3 3.6	1.849	2.813	6.1	19.6
3 22	10 10.99	+ 3 2.4	1.873	2.787	9.9	21.6	3 22	10 13.91	+ 4 20.1	1.904	2.821	9.7	19.8
4 1	10 6.10	+ 3 59.4	1.934	2.776	13.3	21.8	4 1	10 10.15	+ 5 27.5	1.984	2.829	12.9	20.0
<b>246968</b>	1999 <i>TU</i> <sub>125</sub>	2 25.3 189°06'		0°1'/25.4 18			<b>480986</b>	2004 <i>BL</i> <sub>28</sub>	2 25.3 5°50'		11°6'/28.1 18		
1 22	10 57.95	+ 7 20.1	2.126	2.934	12.9	21.5	1 22	11 9.93	- 3 49.3	0.969	1.774	24.9	19.8
2 1	10 52.13	+ 7 42.9	2.040	2.934	9.7	21.3	2 1	11 3.34	- 6 40.8	0.901	1.773	20.8	19.5
2 11	10 44.26	+ 8 16.3	1.978	2.932	6.0	21.1	2 11	10 52.29	- 9 15.8	0.850	1.773	16.3	19.3
2 21	10 34.98	+ 8 56.5	1.944	2.930	1.8	20.8	2 21	10 37.73	- 11 22.8	0.821	1.774	12.6	19.1
3 2	10 25.17	+ 9 38.3	1.941	2.927	2.4	20.8	3 2	10 21.62	- 12 52.2	0.816	1.775	11.8	19.0
3 12	10 15.85	+ 10 16.5	1.968	2.923	6.5	21.1	3 12	10 6.53	- 13 42.1	0.833	1.777	14.5	19.2
3 22	10 7.90	+ 10 46.9	2.022	2.919	10.3	21.3	3 22	9 54.65	- 13 59.1	0.870	1.780	18.8	19.4
4 1	10 2.00	+ 11 6.8	2.100	2.914	13.5	21.5	4 1	9 47.34	- 13 55.3	0.925	1.784	22.9	19.7
<b>109073</b>	2001 <i>QY</i> <sub>23</sub>	2 25.3 228°38'		2°3'/22.9 17			<b>285880</b>	2001 <i>OC</i> <sub>76</sub>	2 25.3 100°23'		1°1'/24.2 18		
1 22	10 55.43	+ 13 22.6	2.183	3.011	11.9	20.2	1 22	10 54.14	+ 7 48.2	1.885	2.708	13.7	20.3
2 1	10 50.34	+ 14 19.8	2.092	2.999	8.8	20.0	2 1	10 49.38	+ 9 1.6	1.822	2.726	10.1	20.1
2 11	10 43.23	+ 15 24.8	2.027	2.987	5.4	19.8	2 11	10 42.59	+ 10 27.9	1.785	2.744	6.0	19.9
2 21	10 34.68	+ 16 31.8	1.991	2.974	2.5	19.5	2 21	10 34.48	+ 12 0.0	1.775	2.761	1.8	19.7
3 2	10 25.54	+ 17 33.9	1.984	2.960	4.1	19.6	3 2	10 26.00	+ 13 29.7	1.795	2.779	3.2	19.8
3 12	10 16.78	+ 18 25.2	2.007	2.946	7.7	19.8	3 12	10 18.16	+ 14 49.2	1.845	2.795	7.3	20.1
3 22	10 9.30	+ 19 1.7	2.057	2.931	11.1	20.0	3 22	10 11.82	+ 15 53.3	1.921	2.812	11.0	20.3
4 1	10 3.79	+ 19 21.7	2.129	2.916	14.2	20.2	4 1	10 7.59	+ 16 39.2	2.020	2.828	14.1	20.6
<b>430247</b>	2013 <i>WG</i> <sub>13</sub>	2 25.3 350°40'		0°7'/24.7 17			<b>79768</b>	1998 <i>UO</i> <sub>7</sub>	2 25.3 69°09'		2°9'/23.1 18		
1 22	10 51.32	+ 8 31.3	1.858	2.689	13.5	20.8	1 22	10 57.76	+ 14 12.6	1.567	2.408	15.1	19.1
2 1	10 47.45	+ 9 9.4	1.779	2.686	10.1	20.5	2 1	10 52.36	+ 14 59.7	1.514	2.427	11.1	18.9
2 11	10 41.51	+ 9 59.6	1.723	2.683	6.1	20.3	2 11	10 44.51	+ 15 53.4	1.484	2.446	6.7	18.7
2 21	10 34.15	+ 10 56.5	1.695	2.681	1.8	20.0	2 21	10 35.08	+ 16 46.1	1.481	2.465	3.1	18.5
3 2	10 26.26	+ 11 53.8	1.694	2.679	2.9	20.1	3 2	10 25.31	+ 17 29.9	1.506	2.484	4.8	18.7
3 12	10 18.89	+ 12 44.8	1.721	2.678	7.2	20.3	3 12	10 16.46	+ 17 58.9	1.558	2.502	8.9	19.0
3 22	10 12.94	+ 13 24.5	1.774	2.677	11.1	20.6	3 22	10 9.56	+ 18 10.6	1.634	2.521	12.8	19.2
4 1	10 9.08	+ 13 49.9	1.850	2.676	14.5	20.8	4 1	10 5.23	+ 18 4.8	1.731	2.540	16.1	19.5
<b>150794</b>	2001 <i>RY</i> <sub>43</sub>	2 25.3 88°40'		0°9'/24.7 18			<b>350509</b>	Vepřoknedloželo	2 25.3 336°11'		5°0'/21.8 18		
1 22	11 0.81	+ 11 5.2	1.819	2.641	14.2	20.4	1 22	10 51.96	+ 14 54.3	1.108	1.978	17.9	19.7
2 1	10 54.27	+ 11 11.9	1.758	2.660	10.5	20.2	2 1	10 49.27	+ 16 16.5	1.040	1.968	13.3	19.4
2 11	10 45.50	+ 11 25.7	1.721	2.679	6.3	20.0	2 11	10 43.29	+ 17 52.5	0.992	1.958	8.3	19.1
2 21	10 35.32	+ 11 42.2	1.711	2.697	1.9	19.8	2 21	10 34.87	+ 19 30.2	0.968	1.949	5.0	18.9
3 2	10 24.83	+ 11 56.5	1.731	2.716	3.0	19.9	3 2	10 25.46	+ 20 55.0	0.968	1.942	7.7	19.0
3 12	10 15.18	+ 12 4.5	1.780	2.734	7.2	20.2	3 12	10 16.88	+ 21 54.8	0.990	1.935	12.8	19.3
3 22	10 7.31	+ 12 3.5	1.856	2.752	11.1	20.4	3 22	10 10.67	+ 22 23.9	1.033	1.929	17.8	19.5
4 1	10 1.81	+ 11 52.5	1.954	2.769	14.3	20.7	4 1	10 7.82	+ 22 22.0	1.093	1.924	22.1	19.8
<b>438872</b>	2009 <i>HG</i> <sub>70</sub>	2 25.3 298°36'		3°3'/28.8 17			<b>281038</b>	2006 <i>HE</i> <sub>27</sub>	2 25.3 346°44'		3°8'/29.2 18		
1 22	10 49.95	- 3 8.5	2.319	3.096	12.9	21.3	1 22	10 49.30	- 4 58.4	1.865	2.648	15.4	20.2
2 1	10 46.15	- 2 59.9	2.217	3.082	10.3	21.1	2 1	10 45.99	- 4 30.5	1.777	2.645	12.4	20.0
2 11	10 40.63	- 2 34.3	2.137	3.068	7.3	20.9	2 11	10 40.68	- 3 39.0	1.711	2.642	8.8	19.8
2 21	10 33.89	- 1 53.0	2.084	3.053	4.4	20.7	2 21	10 33.95	- 2 25.8	1.669	2.639	5.3	19.6
3 2	10 26.61	- 0 59.2	2.059	3.039	3.4	20.6	3 2	10 26.68	- 0 56.3	1.656	2.637	3.9	19.5
3 12	10 19.63	+ 0 2.1	2.063	3.025	5.7	20.7	3 12	10 19.85	+ 0 41.5	1.670	2.635	6.5	19.6
3 22	10 13.71	+ 1 5.1	2.095	3.011	9.0	20.9	3 22	10 14.35	+ 2 18.8	1.711	2.633	10.2	19.8
4 1	10 9.45	+ 2 4.2	2.152	2.998	12.0	21.1	4 1	10 10.88	+ 3 47.7	1.777	2.632	13.7	20.0
<b>48593</b>	1994 <i>VF</i>	2 25.3 142°25'		0°6'/25.9 18 R			<b>130559</b>	2000 <i>RJ</i> <sub>31</sub>	2 25.4 66°89'		4°5'/28.8 18		
1 22	10 56.41	+ 5 7.1	2.071	2.876	13.3	19.7	1 22	10 55.21	- 3 21.3	1.456	2.254	18.3	19.2
2 1	10 50.93	+ 5 32.5	1.995	2.887	10.0	19.6	2 1	10 50.75	- 3 24.9	1.388	2.264	14.6	19.0
2 11	10 43.49	+ 6 10.5	1.944	2.896	6.3	19.3	2 11	10 43.71	- 3 3.8	1.339	2.275	10.3	18.8
2 21	10 34.74	+ 6 57.1	1.921	2.906	2.2	19.1	2 21	10 34.90	- 2 19.7	1.315	2.286	6.1	18.6
3 2	10 25.57	+ 7 47.1	1.928	2.915	2.2	19.1	3 2	10 25.50	- 1 17.9	1.316	2.297	4.6	18.5
3 12	10 16.97	+ 8 34.9	1.964	2.923	6.3	19.4	3 12	10 16.87	- 0 7.0	1.344	2.308	7.8	18.7
3 22	10 9.78	+ 9 15.6	2.028	2.930	9.9	19.6	3 22	10 10.13	+ 1 4.0	1.396	2.319	12.0	19.0
4 1	10 4.59	+ 9 46.1	2.116	2.937	13.1	19.8	4 1	10 6.02	+ 2 7.1	1.471	2.330	15.8	19.2
<b>157839</b>	1998 <i>GN</i> <sub>8</sub>	2 25.3 307°17'		5°7'/19.9 18			<b>134467</b>	1998 <i>UM</i> <sub>7</sub>	2 25.4 123°32'		2°6'/22.7 18		
1 22	10 52.69	+ 19 50.2	1.666	2.520	13.7	19.7	1 22	10 58.10	+ 14 52.9	2.200	3.024	11.9	20.5
2 1	10 49.03	+ 21 18.5	1.579	2.497	10.4	19.4	2 1	10 52.03	+ 15 50.3	2.141	3.046	8.7	20.4
2 11	10 42.80	+ 22 53.1	1.516	2.473	7.1	19.2	2 11	10 44.08	+ 16 52.1	2.108	3.066	5.3	20.2
2 21	10 34.64	+ 24 24.2	1.480	2.450	5.7	19.1	2 21	10 34.94	+ 17 52.2	2.104	3.085	2.7	20.1
3 2	10 25.61	+ 25 41.0	1.471	2.428	7.8	19.1	3 2	10 25.50	+ 18 44.3	2.131	3.104	4.2	20.2
3 12	10 17.02	+ 26 35.1	1.487	2.405	11.5	19.3	3 12	10 16.73	+ 19 23.8	2.187	3.122	7.4	20.4
3 22	10 10.08	+ 27 2.3	1.527	2.383	15.3	19.4	3 22	10 9.39	+ 19 48.2	2.270	3.139	10.5	20.6
4 1	10 5.70	+ 27 2.7	1.585	2.362	18.7	19.6	4 1	10 4.05	+ 19 57.1	2.377	3.155	13.1	20.8
<b>499086</b>	2009 <i>FK</i> <sub>16</sub>	2 25.3 40°67'		0°8'/26.3 17			<b>445931</b>	2013 <i>AA</i> <sub>6</sub>	2 25.4 56°17'		2°7'/23.5 17		



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>54552</b>	2000 <i>QO</i> <sub>100</sub>		2 25.4 196°21	2°9/22.2	18		<b>500535</b>	2012 <i>UM</i> <sub>14</sub>		2 25.4 158°13	2°6/22.7	17	
1 22	10 54.33	+18 0.1	2.550	3.380	10.3	19.5	1 22	10 53.89	+15 49.2	2.358	3.189	11.0	22.1
2 1	10 49.17	+18 37.7	2.472	3.379	7.6	19.4	2 1	10 48.96	+16 29.9	2.283	3.191	8.1	21.9
2 11	10 42.35	+19 17.2	2.421	3.378	4.8	19.2	2 11	10 42.28	+17 14.5	2.234	3.192	5.0	21.7
2 21	10 34.43	+19 53.8	2.398	3.376	3.0	19.0	2 21	10 34.44	+17 57.7	2.213	3.194	2.6	21.5
3 2	10 26.14	+20 22.7	2.406	3.374	4.2	19.1	3 2	10 26.21	+18 34.5	2.222	3.195	4.0	21.6
3 12	10 18.29	+20 40.4	2.443	3.372	7.0	19.3	3 12	10 18.46	+19 0.6	2.260	3.196	7.1	21.8
3 22	10 11.60	+20 45.0	2.506	3.370	9.8	19.5	3 22	10 11.94	+19 13.6	2.324	3.197	10.1	22.0
4 1	10 6.60	+20 36.3	2.593	3.368	12.3	19.6	4 1	10 7.20	+19 12.8	2.412	3.198	12.7	22.2
<b>82668</b>	2001 <i>PP</i> <sub>20</sub>		2 25.4 217°80	5°0/21.1	18		<b>246673</b>	2008 <i>YG</i> <sub>137</sub>		2 25.4 325°70	3°5/21.5	17	
1 22	10 59.44	+19 3.8	1.734	2.574	13.9	19.5	1 22	10 51.50	+16 20.5	2.086	2.927	11.8	20.4
2 1	10 53.86	+20 18.5	1.656	2.567	10.5	19.3	2 1	10 47.48	+17 35.0	2.011	2.924	8.7	20.2
2 11	10 45.64	+21 37.6	1.603	2.559	6.9	19.1	2 11	10 41.52	+18 55.3	1.962	2.921	5.5	20.0
2 21	10 35.53	+22 52.0	1.576	2.550	5.0	18.9	2 21	10 34.24	+20 14.2	1.941	2.919	3.5	19.9
3 2	10 24.67	+23 52.3	1.579	2.540	6.9	19.0	3 2	10 26.46	+21 24.2	1.949	2.916	5.2	20.0
3 12	10 14.43	+24 31.5	1.608	2.530	10.6	19.2	3 12	10 19.17	+22 19.2	1.985	2.914	8.4	20.2
3 22	10 5.99	+24 47.0	1.662	2.519	14.3	19.4	3 22	10 13.18	+22 55.8	2.047	2.911	11.6	20.4
4 1	10 0.18	+24 39.4	1.735	2.507	17.5	19.6	4 1	10 9.14	+23 13.0	2.130	2.909	14.4	20.6
<b>50400</b>	2000 <i>CU</i> <sub>102</sub>		2 25.4 7°63	1°2/26.1	18		<b>245072</b>	2004 <i>GR</i> <sub>59</sub>		2 25.4 301°55	2°2/27.7	17	
1 22	10 57.56	+ 6 28.8	1.461	2.289	16.7	18.7	1 22	10 49.79	- 0 29.3	2.176	2.970	13.2	20.7
2 1	10 52.58	+ 6 13.7	1.387	2.290	12.7	18.5	2 1	10 46.16	- 0 2.6	2.078	2.957	10.3	20.5
2 11	10 44.89	+ 6 11.8	1.335	2.291	8.0	18.2	2 11	10 40.72	+ 0 41.5	2.002	2.944	7.0	20.3
2 21	10 35.29	+ 6 19.9	1.307	2.292	3.0	17.9	2 21	10 34.00	+ 1 40.4	1.953	2.931	3.5	20.0
3 2	10 25.02	+ 6 33.5	1.307	2.294	2.9	17.9	3 2	10 26.74	+ 2 49.8	1.933	2.919	2.6	19.9
3 12	10 15.52	+ 6 46.9	1.333	2.296	8.0	18.2	3 12	10 19.80	+ 4 3.3	1.942	2.906	5.8	20.1
3 22	10 7.97	+ 6 55.3	1.383	2.299	12.6	18.5	3 22	10 13.98	+ 5 14.4	1.979	2.894	9.5	20.3
4 1	10 3.18	+ 6 55.4	1.455	2.303	16.6	18.7	4 1	10 9.93	+ 6 17.6	2.040	2.882	12.7	20.5
<b>161972</b>	2007 <i>JJ</i> <sub>40</sub>		2 25.4 200°12	1°5/26.9	18		<b>13866</b>	1999 <i>XS</i> <sub>174</sub>		2 25.4 164°04	3°0/22.7	18	
1 22	10 56.01	+ 0 56.7	2.124	2.913	13.6	21.7	1 22	10 56.87	+14 58.3	1.871	2.706	13.3	17.8
2 1	10 50.78	+ 1 38.1	2.029	2.908	10.5	21.5	2 1	10 51.59	+15 54.0	1.799	2.709	9.8	17.6
2 11	10 43.54	+ 2 37.0	1.958	2.903	6.8	21.3	2 11	10 44.08	+16 56.0	1.752	2.712	6.0	17.4
2 21	10 34.85	+ 3 49.9	1.915	2.896	3.0	21.0	2 21	10 35.03	+17 57.2	1.733	2.715	3.1	17.2
3 2	10 25.56	+ 5 11.1	1.903	2.889	2.4	21.0	3 2	10 25.47	+18 50.3	1.743	2.717	4.8	17.3
3 12	10 16.67	+ 6 33.3	1.921	2.881	6.2	21.2	3 12	10 16.55	+19 29.2	1.780	2.719	8.5	17.5
3 22	10 9.07	+ 7 49.9	1.967	2.872	10.1	21.4	3 22	10 9.22	+19 50.8	1.844	2.720	12.2	17.7
4 1	10 3.43	+ 8 55.5	2.038	2.862	13.5	21.6	4 1	10 4.17	+19 54.6	1.929	2.721	15.3	17.9
<b>228178</b>	2009 <i>SA</i> <sub>285</sub>		2 25.4 119°16	0°9/26.2	18		<b>57092</b>	2001 <i>OG</i> <sub>45</sub>		2 25.4 110°04	0°7/26.1	18	
1 22	10 54.76	+ 3 53.4	2.167	2.969	12.9	21.5	1 22	10 54.33	+ 2 51.9	2.040	2.842	13.6	19.8
2 1	10 49.61	+ 4 25.5	2.096	2.985	9.8	21.3	2 1	10 49.39	+ 3 50.0	1.973	2.862	10.2	19.6
2 11	10 42.66	+ 5 10.6	2.050	3.000	6.1	21.1	2 11	10 42.57	+ 5 3.7	1.931	2.882	6.4	19.4
2 21	10 34.53	+ 6 4.9	2.031	3.015	2.3	20.9	2 21	10 34.53	+ 6 28.0	1.916	2.901	2.3	19.2
3 2	10 26.05	+ 7 3.2	2.042	3.029	2.1	20.9	3 2	10 26.15	+ 7 55.8	1.932	2.919	2.2	19.2
3 12	10 18.12	+ 7 59.5	2.084	3.043	5.9	21.2	3 12	10 18.36	+ 9 19.7	1.978	2.937	6.2	19.5
3 22	10 11.50	+ 8 49.1	2.153	3.057	9.4	21.4	3 22	10 11.95	+10 33.5	2.051	2.954	9.8	19.8
4 1	10 6.76	+ 9 28.5	2.246	3.070	12.4	21.6	4 1	10 7.49	+11 33.3	2.149	2.971	12.9	20.0
<b>199072</b>	2005 <i>XR</i> <sub>56</sub>		2 25.4 36°11	5°2/28.9	18		<b>465169</b>	2007 <i>EE</i> <sub>43</sub>		2 25.4 283°77	2°7/28.1	17	
1 22	10 55.27	- 3 42.3	1.340	2.142	19.4	20.2	1 22	10 50.81	- 2 14.8	1.897	2.689	14.9	20.9
2 1	10 51.09	- 3 59.8	1.268	2.146	15.6	19.9	2 1	10 47.17	- 1 38.9	1.801	2.678	11.7	20.6
2 11	10 44.09	- 3 51.2	1.214	2.150	11.2	19.7	2 11	10 41.46	- 0 40.9	1.728	2.668	8.0	20.4
2 21	10 35.07	- 3 17.2	1.183	2.153	6.9	19.4	2 21	10 34.26	+ 0 36.5	1.681	2.657	4.2	20.1
3 2	10 25.30	- 2 22.2	1.178	2.158	5.3	19.4	3 2	10 26.42	+ 2 7.6	1.662	2.646	3.1	20.0
3 12	10 16.27	- 1 14.7	1.198	2.162	8.5	19.6	3 12	10 18.96	+ 3 44.2	1.671	2.636	6.5	20.2
3 22	10 9.26	- 0 4.7	1.241	2.167	12.9	19.8	3 22	10 12.82	+ 5 17.9	1.708	2.625	10.5	20.4
4 1	10 5.12	+ 0 58.9	1.306	2.172	17.1	20.1	4 1	10 8.72	+ 6 41.2	1.768	2.615	14.2	20.6
<b>242856</b>	2006 <i>FE</i> <sub>53</sub>		2 25.4 155°54	1°1/26.3	18		<b>77852</b>	2001 <i>RN</i> <sub>35</sub>		2 25.4 220°91	1°8/27.2	18	
1 22	10 56.21	+ 3 12.1	1.906	2.709	14.4	21.3	1 22	10 53.02	+ 1 50.9	2.515	3.304	11.7	20.1
2 1	10 51.00	+ 3 46.3	1.827	2.717	10.9	21.1	2 1	10 48.26	+ 1 58.6	2.420	3.299	9.1	19.9
2 11	10 43.66	+ 4 36.4	1.773	2.723	6.9	20.8	2 11	10 41.87	+ 2 18.5	2.350	3.293	6.0	19.7
2 21	10 34.87	+ 5 38.4	1.746	2.729	2.7	20.6	2 21	10 34.34	+ 2 48.5	2.307	3.287	2.9	19.5
3 2	10 25.58	+ 6 46.0	1.748	2.734	2.4	20.6	3 2	10 26.36	+ 3 25.2	2.295	3.280	2.2	19.4
3 12	10 16.85	+ 7 52.2	1.779	2.739	6.6	20.8	3 12	10 18.73	+ 4 4.5	2.312	3.273	5.3	19.6
3 22	10 9.62	+ 8 50.7	1.837	2.743	10.6	21.1	3 22	10 12.13	+ 4 42.1	2.358	3.266	8.5	19.8
4 1	10 4.54	+ 9 37.3	1.919	2.747	14.0	21.3	4 1	10 7.14	+ 5 14.4	2.429	3.259	11.3	20.0
<b>36140</b>	1999 <i>RC</i> <sub>168</sub>		2 25.4 165°34	0°6/24.6	18		<b>19206</b>	1992 <i>PH</i> <sub>4</sub>		2 25.4 238°63	0°3/25.6	18	
1 22	10 51.39	+ 9 36.1	3.035	3.846	9.4	20.1	1 22	10 57.43	+ 6 21.4	1.943	2.754	13.8	18.9
2 1	10 46.74	+10 9.9	2.952	3.850	6.9	19.9	2 1	10 52.12	+ 6 46.3	1.844	2.739	10.5	18.7
2 11	10 40.77	+10 50.1	2.897	3.854	4.1	19.7	2 11	10 44.52	+ 7 24.4	1.769	2.723	6.6	18.4
2 21	10 33.94	+11 33.3	2.871	3.857	1.2	19.5	2 21	10 35.23	+ 8 12.0	1.721	2.707	2.1	18.1
3 2	10 26.81	+12 16.0	2.876	3.860	2.1	19.6	3 2	10 25.18	+ 9 3.3	1.703	2.690	2.5	18.1
3 12	10 20.02	+12 54.3	2.912	3.863	4.9	19.8	3 12	10 15.50	+ 9 52.0	1.715	2.672	7.1	18.3
3 22	10 14.11	+13 25.5	2.977	3.865	7.6	20.0	3 22	10 7.23	+10 32.6	1.753	2.654	11.3	18.5
4 1	10 9.53	+13 47.6	3.067	3.867	10.0	20.1	4 1	10 1.18	+11 1.4	1.814	2.635	15.0	18.7
<b>284876</b>	2009 <i>DK</i> <sub>42</sub>		2 25.										

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>5301</b>	Novobranets		2 25.4 136°03	3°7/	1.0	18	<b>430441</b>	2000 <i>PX</i> <sub>18</sub>		2 25.4 145°83	0°9/26.3	16	
1 22	10 50.64	- 6 23.4	2.861	3.607	11.5	17.9	1 22	10 56.48	+ 4 28.5	2.679	3.468	11.1	22.7
2 1	10 46.28	- 6 23.7	2.772	3.613	9.3	17.7	2 1	10 50.60	+ 4 44.8	2.601	3.482	8.4	22.6
2 11	10 40.56	- 6 9.0	2.707	3.619	6.9	17.6	2 11	10 43.17	+ 5 10.9	2.548	3.495	5.3	22.4
2 21	10 33.92	- 5 40.4	2.669	3.625	4.7	17.4	2 21	10 34.73	+ 5 43.9	2.525	3.508	2.0	22.2
3 2	10 26.95	- 4 59.9	2.661	3.631	3.7	17.4	3 2	10 25.99	+ 6 20.4	2.533	3.519	1.8	22.2
3 12	10 20.32	- 4 11.5	2.682	3.636	5.0	17.5	3 12	10 17.70	+ 6 56.2	2.572	3.530	5.0	22.4
3 22	10 14.59	- 3 19.4	2.731	3.642	7.4	17.6	3 22	10 10.50	+ 7 28.0	2.641	3.540	8.1	22.6
4 1	10 10.23	- 2 28.0	2.807	3.647	9.7	17.8	4 1	10 4.90	+ 7 53.0	2.735	3.549	10.7	22.8
<b>381599</b>	2008 <i>VN</i> <sub>51</sub>		2 25.4 350°60	4°4/20.4	17		<b>374558</b>	2006 <i>BK</i> <sub>151</sub>		2 25.4 130°17	1°9/23.5	17	
1 22	10 50.14	+17 33.6	1.952	2.801	12.2	20.0	1 22	10 53.41	+11 29.9	2.063	2.892	12.4	21.2
2 1	10 46.62	+19 10.4	1.882	2.798	9.0	19.8	2 1	10 48.83	+12 28.3	1.990	2.898	9.2	21.0
2 11	10 41.08	+20 53.0	1.837	2.795	5.9	19.6	2 11	10 42.32	+13 35.4	1.943	2.903	5.5	20.8
2 21	10 34.13	+22 32.8	1.820	2.793	4.4	19.5	2 21	10 34.51	+14 45.4	1.924	2.909	2.1	20.6
3 2	10 26.66	+24 0.9	1.832	2.791	6.3	19.6	3 2	10 26.27	+15 51.2	1.934	2.914	3.6	20.7
3 12	10 19.68	+25 10.2	1.871	2.790	9.5	19.8	3 12	10 18.56	+16 46.8	1.973	2.918	7.3	20.9
3 22	10 14.07	+25 57.0	1.934	2.789	12.7	20.0	3 22	10 12.19	+17 28.1	2.039	2.923	10.8	21.2
4 1	10 10.51	+26 20.6	2.019	2.788	15.4	20.2	4 1	10 7.79	+17 53.3	2.127	2.928	13.8	21.4
<b>135619</b>	2002 <i>JR</i> <sub>51</sub>		2 25.4 279°60	2°5/23.5	18		<b>57764</b>	2001 <i>VE</i> <sub>30</sub>		2 25.4 210°78	5°5/18.8	18	
1 22	10 56.58	+12 49.7	1.591	2.431	15.0	20.2	1 22	10 54.28	+26 17.7	2.506	3.342	10.3	19.6
2 1	10 51.95	+13 32.2	1.502	2.415	11.2	19.9	2 1	10 49.31	+27 25.6	2.439	3.340	8.0	19.4
2 11	10 44.63	+14 25.1	1.437	2.399	6.8	19.6	2 11	10 42.54	+28 30.5	2.397	3.337	6.1	19.3
2 21	10 35.30	+15 21.5	1.398	2.382	2.8	19.3	2 21	10 34.57	+29 25.8	2.384	3.334	5.6	19.3
3 2	10 25.10	+16 13.1	1.386	2.366	4.7	19.4	3 2	10 26.20	+30 5.9	2.400	3.331	6.9	19.3
3 12	10 15.41	+16 52.3	1.401	2.349	9.4	19.6	3 12	10 18.31	+30 27.3	2.443	3.328	9.1	19.5
3 22	10 7.48	+17 14.1	1.440	2.333	13.9	19.8	3 22	10 11.66	+30 29.1	2.510	3.325	11.4	19.6
4 1	10 2.23	+17 16.9	1.500	2.316	17.8	20.0	4 1	10 6.84	+30 12.4	2.599	3.322	13.5	19.8
<b>83534</b>	2001 <i>SO</i> <sub>160</sub>		2 25.4 155°83	3°6/29.4	18		<b>341531</b>	2007 <i>TQ</i> <sub>443</sub>		2 25.4 332°40	4°6/1.1	17	
1 22	10 50.99	- 5 0.5	2.421	3.184	12.9	19.6	1 22	10 51.43	- 6 45.8	2.197	2.956	14.1	20.7
2 1	10 46.80	- 4 53.1	2.332	3.186	10.3	19.4	2 1	10 47.32	- 6 50.2	2.107	2.955	11.5	20.5
2 11	10 40.99	- 4 28.6	2.265	3.187	7.5	19.2	2 11	10 41.41	- 6 35.1	2.039	2.954	8.6	20.3
2 21	10 34.08	- 3 48.2	2.225	3.188	4.8	19.1	2 21	10 34.25	- 6 1.1	1.996	2.953	5.8	20.1
3 2	10 26.75	- 2 55.1	2.213	3.189	3.7	19.0	3 2	10 26.61	- 5 11.1	1.981	2.952	4.6	20.0
3 12	10 19.80	- 1 54.0	2.231	3.191	5.6	19.1	3 12	10 19.36	- 4 10.0	1.994	2.952	6.3	20.1
3 22	10 13.91	- 0 50.7	2.277	3.192	8.4	19.3	3 22	10 13.28	- 3 4.2	2.035	2.951	9.2	20.3
4 1	10 9.63	+ 0 9.7	2.348	3.192	11.2	19.5	4 1	10 8.99	- 1 59.9	2.100	2.950	12.1	20.5
<b>33786</b>	1999 <i>RJ</i> <sub>196</sub>		2 25.4 289°08	0°1/25.4	18		<b>522602</b>	2016 <i>EY</i> <sub>248</sub>		2 25.4 256°05	5°9/1.4	17	
1 22	10 56.91	+ 9 29.7	2.384	3.195	11.6	18.1	1 22	10 54.70	- 8 23.7	2.125	2.871	14.9	21.3
2 1	10 51.23	+ 9 21.3	2.290	3.186	8.7	17.9	2 1	10 49.94	- 8 53.8	2.023	2.859	12.4	21.1
2 11	10 43.72	+ 9 19.1	2.221	3.176	5.4	17.7	2 11	10 43.14	- 9 4.5	1.942	2.847	9.6	20.8
2 21	10 34.94	+ 9 20.4	2.181	3.167	1.7	17.4	2 21	10 34.83	- 8 54.8	1.886	2.834	7.0	20.7
3 2	10 25.67	+ 9 22.2	2.171	3.157	2.2	17.4	3 2	10 25.83	- 8 25.6	1.858	2.821	5.9	20.6
3 12	10 16.81	+ 9 21.5	2.192	3.148	5.9	17.7	3 12	10 17.14	- 7 41.0	1.858	2.808	7.3	20.6
3 22	10 9.14	+ 9 15.7	2.240	3.139	9.3	17.9	3 22	10 9.67	- 6 46.8	1.884	2.794	10.1	20.8
4 1	10 3.29	+ 9 3.4	2.313	3.129	12.3	18.0	4 1	10 4.16	- 5 49.7	1.935	2.781	13.2	20.9
<b>278653</b>	2008 <i>RL</i> <sub>44</sub>		2 25.4 217°69	0°5/24.9	17		<b>232527</b>	2003 <i>SB</i> <sub>16</sub>		2 25.4 90°94	1°4/26.9	18	
1 22	10 54.24	+ 8 46.5	2.143	2.962	12.4	21.8	1 22	10 51.70	+ 1 0.6	2.093	2.891	13.4	20.2
2 1	10 49.43	+ 9 16.7	2.058	2.958	9.3	21.5	2 1	10 47.47	+ 1 50.2	2.020	2.905	10.3	20.0
2 11	10 42.69	+ 9 56.8	1.997	2.955	5.6	21.3	2 11	10 41.44	+ 2 56.7	1.971	2.919	6.6	19.8
2 21	10 34.63	+10 42.5	1.964	2.951	1.7	21.0	2 21	10 34.24	+ 4 15.6	1.950	2.932	2.8	19.6
3 2	10 26.07	+11 28.5	1.961	2.947	2.6	21.1	3 2	10 26.66	+ 5 40.8	1.959	2.946	2.2	19.6
3 12	10 17.96	+12 9.3	1.988	2.942	6.5	21.3	3 12	10 19.61	+ 7 5.0	1.997	2.959	5.9	19.8
3 22	10 11.13	+12 40.9	2.041	2.938	10.2	21.5	3 22	10 13.82	+ 8 21.7	2.063	2.972	9.4	20.1
4 1	10 6.22	+13 0.7	2.117	2.933	13.3	21.7	4 1	10 9.87	+ 9 26.4	2.153	2.985	12.5	20.3
<b>122208</b>	2000 <i>LY</i> <sub>35</sub>		2 25.4 218°49	5°8/18.3	17		<b>9457</b>	1998 <i>FB</i> <sub>75</sub>		2 25.4 53°76	0°2/25.2	18	R
1 22	10 55.66	+24 27.6	2.299	3.136	11.1	19.9	1 22	10 52.87	+ 7 46.2	2.048	2.869	12.9	17.8
2 1	10 50.59	+26 6.2	2.224	3.128	8.5	19.7	2 1	10 48.32	+ 8 14.6	1.984	2.885	9.5	17.6
2 11	10 43.47	+27 44.7	2.176	3.118	6.4	19.5	2 11	10 41.94	+ 8 53.3	1.943	2.901	5.8	17.4
2 21	10 34.89	+29 14.8	2.156	3.108	5.9	19.5	2 21	10 34.39	+ 9 37.8	1.931	2.917	1.7	17.2
3 2	10 25.72	+30 28.6	2.166	3.098	7.5	19.6	3 2	10 26.50	+10 22.8	1.947	2.933	2.4	17.2
3 12	10 16.96	+31 20.7	2.204	3.087	10.0	19.7	3 12	10 19.22	+11 3.1	1.992	2.950	6.3	17.5
3 22	10 9.53	+31 49.2	2.266	3.075	12.6	19.9	3 22	10 13.28	+11 34.5	2.064	2.966	9.8	17.8
4 1	10 4.11	+31 55.0	2.348	3.063	15.0	20.0	4 1	10 9.26	+11 54.7	2.159	2.983	12.8	18.0
<b>217097</b>	2001 <i>WA</i> <sub>33</sub>		2 25.4 95°50	1°8/23.7	18		<b>210337</b>	2007 <i>TY</i> <sub>380</sub>		2 25.4 219°05	1°3/24.3	17	
1 22	10 55.46	+11 5.0	1.894	2.723	13.4	20.5	1 22	10 57.13	+ 9 58.5	1.915	2.738	13.5	21.8
2 1	10 50.37	+12 1.9	1.834	2.741	9.8	20.3	2 1	10 51.88	+10 43.6	1.826	2.730	10.1	21.5
2 11	10 43.23	+13 7.7	1.799	2.759	5.8	20.1	2 11	10 44.36	+11 39.9	1.762	2.721	6.1	21.3
2 21	10 34.77	+14 15.9	1.791	2.777	2.1	19.9	2 21	10 35.21	+12 41.7	1.726	2.712	2.0	21.0
3 2	10 25.95	+15 19.4	1.813	2.794	3.6	20.1	3 2	10 25.39	+13 42.2	1.718	2.701	3.4	21.1
3 12	10 17.83	+16 11.7	1.864	2.811	7.5	20.3	3 12	10 16.04	+14 34.4	1.740	2.691	7.7	21.3
3 22	10 11.25	+16 49.2	1.940	2.828	11.1	20.6	3 22	10 8.15	+15 13.5	1.789	2.679	11.7	21.5
4 1	10 6.80	+17 10.2	2.040	2.844	14.1	20.8	4 1	10 2.51	+15 36.9	1.859	2.667	15.2	21.7
<b>234937</b>	2002 <i>UW</i> <sub>69</sub>		2 25.4 256°47	0°6/24.8	17		<b>461944</b>	2006 <i>SR</i> <sub>365</sub>		2 25.4 28°41	9°6/19.3		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>369400</b>	2009 <i>WS</i> <sub>7</sub>		2 25.4 119°44	0°5/24.9	18		<b>431907</b>	2008 <i>TY</i> <sub>30</sub>		2 25.4 348°95	1°4/24.1	17	
1 22	10 54.66	+ 7 54.4	2.234	3.048	12.2	21.7	1 22	10 53.88	+11 4.4	1.954	2.785	13.0	21.6
2 1	10 49.53	+ 8 39.2	2.166	3.064	9.0	21.5	2 1	10 49.32	+11 39.9	1.876	2.784	9.6	21.4
2 11	10 42.64	+ 9 34.1	2.123	3.080	5.4	21.3	2 11	10 42.71	+12 24.2	1.823	2.783	5.8	21.2
2 21	10 34.61	+10 34.2	2.109	3.095	1.6	21.1	2 21	10 34.70	+13 12.2	1.797	2.782	2.0	20.9
3 2	10 26.25	+11 33.8	2.124	3.109	2.5	21.2	3 2	10 26.19	+13 57.6	1.799	2.782	3.3	21.0
3 12	10 18.43	+12 27.4	2.170	3.124	6.2	21.4	3 12	10 18.21	+14 34.9	1.830	2.782	7.3	21.3
3 22	10 11.90	+13 10.9	2.244	3.137	9.5	21.7	3 22	10 11.65	+15 0.2	1.887	2.781	11.0	21.5
4 1	10 7.19	+13 41.9	2.341	3.151	12.4	21.9	4 1	10 7.16	+15 11.5	1.967	2.781	14.2	21.7
<b>146357</b>	2001 <i>OH</i> <sub>107</sub>		2 25.4 113°80	0°1/25.4	18		<b>356515</b>	2011 <i>SJ</i> <sub>71</sub>		2 25.4 163°01	1°2/26.5	18	
1 22	11 1.06	+ 8 45.6	2.057	2.865	13.3	19.5	1 22	10 55.95	+ 2 22.8	1.795	2.600	15.1	21.5
2 1	10 54.34	+ 8 46.5	1.989	2.883	9.9	19.3	2 1	10 51.00	+ 3 3.9	1.715	2.605	11.5	21.3
2 11	10 45.58	+ 8 55.5	1.945	2.900	6.1	19.1	2 11	10 43.81	+ 4 3.4	1.659	2.609	7.4	21.0
2 21	10 35.52	+ 9 9.2	1.930	2.916	1.9	18.9	2 21	10 35.05	+ 5 16.7	1.630	2.613	2.9	20.7
3 2	10 25.13	+ 9 23.5	1.946	2.932	2.4	18.9	3 2	10 25.73	+ 6 36.8	1.629	2.616	2.5	20.7
3 12	10 15.45	+ 9 34.4	1.992	2.948	6.4	19.2	3 12	10 16.98	+ 7 55.6	1.658	2.619	6.9	21.0
3 22	10 7.33	+ 9 39.1	2.065	2.963	10.0	19.5	3 22	10 9.79	+ 9 5.9	1.713	2.621	11.1	21.3
4 1	10 1.38	+ 9 35.8	2.163	2.977	13.1	19.7	4 1	10 4.86	+10 2.5	1.791	2.622	14.7	21.5
<b>29171</b>	1990 <i>QK</i> <sub>3</sub>		2 25.4 110°91	0°4/25.1	18		<b>324587</b>	2006 <i>XU</i> <sub>15</sub>		2 25.4 110°87	1°5/26.8	18	
1 22	10 56.17	+ 6 5.6	1.577	2.402	15.9	18.0	1 22	10 56.68	+ 2 36.3	2.006	2.804	14.0	21.3
2 1	10 51.33	+ 7 2.1	1.511	2.414	11.8	17.7	2 1	10 51.18	+ 2 55.3	1.938	2.823	10.6	21.2
2 11	10 44.04	+ 8 15.4	1.469	2.427	7.2	17.5	2 11	10 43.72	+ 3 28.8	1.894	2.841	6.8	21.0
2 21	10 35.11	+ 9 38.6	1.453	2.439	2.1	17.2	2 21	10 34.98	+ 4 13.4	1.877	2.858	2.9	20.7
3 2	10 25.66	+11 2.7	1.465	2.450	3.1	17.3	3 2	10 25.88	+ 5 3.8	1.889	2.875	2.4	20.7
3 12	10 16.97	+12 18.6	1.505	2.462	7.9	17.6	3 12	10 17.42	+ 5 54.4	1.931	2.892	6.1	21.0
3 22	10 10.08	+13 19.7	1.570	2.473	12.3	17.9	3 22	10 10.41	+ 6 39.8	2.000	2.908	9.8	21.3
4 1	10 5.70	+14 2.5	1.657	2.483	15.9	18.1	4 1	10 5.44	+ 7 16.1	2.093	2.923	12.9	21.5
<b>325302</b>	2008 <i>HS</i> <sub>42</sub>		2 25.4 167°78	1°0/26.4	18		<b>456877</b>	2007 <i>VY</i> <sub>91</sub>		2 25.4 81°14	0°4/25.1	18	
1 22	10 53.97	+ 2 57.2	2.073	2.875	13.4	21.7	1 22	10 58.66	+ 7 56.8	1.572	2.398	15.8	22.2
2 1	10 49.26	+ 3 35.0	1.990	2.878	10.2	21.4	2 1	10 53.03	+ 8 28.4	1.517	2.420	11.8	22.0
2 11	10 42.62	+ 4 28.1	1.931	2.881	6.5	21.2	2 11	10 44.97	+ 9 12.7	1.485	2.443	7.1	21.8
2 21	10 34.66	+ 5 32.7	1.900	2.884	2.5	21.0	2 21	10 35.37	+10 3.6	1.479	2.465	2.1	21.6
3 2	10 26.21	+ 6 43.0	1.899	2.886	2.2	20.9	3 2	10 25.42	+10 54.1	1.501	2.487	3.0	21.7
3 12	10 18.23	+ 7 52.2	1.926	2.887	6.2	21.2	3 12	10 16.39	+11 37.1	1.551	2.509	7.7	22.0
3 22	10 11.57	+ 8 54.5	1.982	2.888	9.9	21.4	3 22	10 9.27	+12 8.1	1.627	2.530	11.9	22.3
4 1	10 6.84	+ 9 45.4	2.061	2.889	13.2	21.6	4 1	10 4.69	+12 24.7	1.725	2.551	15.4	22.6
<b>411369</b>	2010 <i>VT</i> <sub>19</sub>		2 25.4 77°14	2°0/27.1	18		<b>110022</b>	2001 <i>SX</i> <sub>71</sub>		2 25.4 313°90	8°8/18.3	18	
1 22	10 56.96	+ 1 34.1	1.723	2.526	15.7	21.4	1 22	10 59.76	+29 37.8	1.628	2.473	14.4	18.8
2 1	10 51.56	+ 1 52.4	1.666	2.552	12.0	21.2	2 1	10 54.39	+30 50.0	1.562	2.464	11.6	18.6
2 11	10 43.99	+ 2 28.0	1.632	2.578	7.8	21.0	2 11	10 46.11	+31 55.1	1.519	2.454	9.4	18.5
2 21	10 35.05	+ 3 17.0	1.624	2.604	3.5	20.8	2 21	10 35.80	+32 42.2	1.501	2.445	8.8	18.4
3 2	10 25.79	+ 4 13.3	1.644	2.630	2.7	20.8	3 2	10 24.81	+33 2.6	1.509	2.436	10.5	18.5
3 12	10 17.35	+ 5 9.9	1.693	2.655	6.6	21.1	3 12	10 14.68	+32 52.1	1.541	2.427	13.3	18.6
3 22	10 10.60	+ 6 0.7	1.768	2.680	10.5	21.3	3 22	10 6.68	+32 12.0	1.595	2.419	16.4	18.8
4 1	10 6.14	+ 6 41.3	1.866	2.705	13.9	21.6	4 1	10 1.63	+31 6.7	1.667	2.411	19.1	19.0
<b>499447</b>	2010 <i>ES</i> <sub>69</sub>		2 25.4 332°55	2°6/23.3	17		<b>422577</b>	2014 <i>TM</i> <sub>64</sub>		2 25.4 111°48	1°2/24.2	18	
1 22	10 55.69	+15 30.7	1.874	2.712	13.1	20.9	1 22	10 56.40	+ 9 56.1	2.071	2.891	12.8	22.1
2 1	10 50.80	+15 53.3	1.793	2.704	9.8	20.7	2 1	10 50.92	+10 47.9	2.010	2.912	9.4	22.0
2 11	10 43.68	+16 20.4	1.736	2.697	6.0	20.4	2 11	10 43.53	+11 48.6	1.973	2.932	5.6	21.8
2 21	10 35.01	+16 46.5	1.707	2.690	2.8	20.2	2 21	10 34.92	+12 52.5	1.965	2.951	1.8	21.5
3 2	10 25.77	+17 5.8	1.706	2.683	4.3	20.3	3 2	10 25.99	+13 53.3	1.988	2.970	3.1	21.7
3 12	10 17.12	+17 13.6	1.732	2.677	8.2	20.5	3 12	10 17.70	+14 45.1	2.039	2.988	6.8	21.9
3 22	10 10.01	+17 7.8	1.784	2.672	11.9	20.7	3 22	10 10.85	+15 24.2	2.118	3.006	10.3	22.2
4 1	10 5.15	+16 47.6	1.858	2.666	15.2	20.9	4 1	10 6.01	+15 48.8	2.220	3.023	13.2	22.4
<b>402844</b>	2007 <i>PY</i> <sub>21</sub>		2 25.4 186°23	0°9/24.5	18		<b>466996</b>	2016 <i>CZ</i> <sub>22</sub>		2 25.4 10°69	0°8/25.7	16	
1 22	10 58.30	+ 9 34.7	2.120	2.934	12.7	22.2	1 22	10 50.91	+ 9 40.0	0.801	1.683	21.8	20.7
2 1	10 52.47	+10 13.7	2.036	2.935	9.5	22.0	2 1	10 48.84	+ 8 53.0	0.758	1.689	16.4	20.4
2 11	10 44.59	+11 2.5	1.977	2.934	5.7	21.8	2 11	10 43.09	+ 8 20.2	0.732	1.698	10.2	20.1
2 21	10 35.28	+11 55.9	1.946	2.932	1.8	21.5	2 21	10 34.89	+ 7 58.2	0.725	1.711	3.4	19.8
3 2	10 25.43	+12 48.1	1.946	2.930	2.9	21.6	3 2	10 26.08	+ 7 41.8	0.739	1.727	3.7	19.9
3 12	10 16.08	+13 33.4	1.976	2.927	6.9	21.8	3 12	10 18.70	+ 7 25.0	0.774	1.746	10.1	20.3
3 22	10 8.12	+14 7.7	2.034	2.923	10.6	22.0	3 22	10 14.15	+ 7 3.1	0.828	1.768	15.8	20.7
4 1	10 2.22	+14 28.6	2.114	2.918	13.8	22.2	4 1	10 13.17	+ 6 33.2	0.900	1.792	20.5	21.1
<b>397953</b>	2008 <i>YN</i> <sub>74</sub>		2 25.4 162°65	2°1/23.5	18		<b>125168</b>	2001 <i>UY</i> <sub>104</sub>		2 25.4 11°97	0°2/25.3	18	
1 22	10 58.67	+12 13.2	1.996	2.819	13.1	22.4	1 22	10 53.53	+ 6 54.6	1.638	2.467	15.1	20.3
2 1	10 52.81	+13 8.7	1.922	2.826	9.6	22.2	2 1	10 49.40	+ 7 28.4	1.563	2.468	11.4	20.0
2 11	10 44.80	+14 12.5	1.874	2.833	5.8	22.0	2 11	10 42.92	+ 8 16.8	1.511	2.469	7.0	19.8
2 21	10 35.33	+15 18.2	1.854	2.839	2.3	21.8	2 21	10 34.81	+ 9 14.7	1.484	2.470	2.1	19.5
3 2	10 25.39	+16 18.6	1.865	2.844	3.9	21.9	3 2	10 26.12	+10 14.8	1.485	2.472	2.8	19.5
3 12	10 16.04	+17 7.7	1.905	2.848	7.7	22.1	3 12	10 18.05	+11 9.5	1.514	2.474	7.6	19.8
3 22	10 8.22	+17 41.6	1.971	2.851	11.3	22.3	3 22	10 11.62	+11 53.0	1.568	2.476	11.9	20.1
4 1	10 2.59	+17 59.1	2.061	2.853	14.4	22.6	4 1	10 7.57	+12 21.6	1.644	2.478	15.6	20.3
<b>41514</b>	2000 <i>QR</i> <sub>180</sub>		2 25.4 83°50	4°5/21.4	18		<b>318912</b>	2005 <i>US</i> <sub>45</sub>		2 25.4 190°83			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>312115</b>	2007 <i>TK</i> <sub>181</sub>		2 25.4 151°38'	4.3°/21.5 18			<b>146436</b>	2001 <i>QC</i> <sub>280</sub>		2 25.4 166°67'	2.3°/23.0 18		
1 22	10 58.65	+18 10.9	1.882	2.718	13.2	21.5	1 22	10 56.44	+14 0.2	2.356	3.179	11.3	21.4
2 1	10 52.94	+19 21.4	1.817	2.726	9.8	21.3	2 1	10 50.90	+14 52.6	2.280	3.184	8.3	21.2
2 11	10 44.95	+20 35.3	1.778	2.734	6.3	21.1	2 11	10 43.54	+15 50.6	2.231	3.189	5.1	21.0
2 21	10 35.42	+21 44.5	1.766	2.741	4.3	21.0	2 21	10 34.97	+16 48.7	2.211	3.194	2.4	20.8
3 2	10 25.40	+22 41.1	1.784	2.747	6.0	21.1	3 2	10 26.00	+17 41.1	2.222	3.197	3.8	20.9
3 12	10 16.09	+23 19.2	1.829	2.753	9.3	21.3	3 12	10 17.51	+18 22.8	2.262	3.200	7.0	21.1
3 22	10 8.44	+23 36.9	1.899	2.758	12.7	21.5	3 22	10 10.28	+18 51.0	2.330	3.202	10.1	21.3
4 1	10 3.15	+23 34.5	1.991	2.763	15.6	21.8	4 1	10 4.89	+19 4.6	2.421	3.204	12.8	21.5
<b>436352</b>	2010 <i>JV</i> <sub>82</sub>		2 25.4 261°33'	3.3°/29.3 17			<b>387307</b>	2012 <i>VG</i> <sub>47</sub>		2 25.4 307°09'	4.9°/20.3 17		
1 22	10 50.45	- 4 48.8	2.469	3.233	12.6	21.9	1 22	10 54.66	+22 46.7	2.203	3.043	11.4	20.5
2 1	10 46.51	- 4 28.0	2.364	3.220	10.1	21.7	2 1	10 49.79	+23 43.9	2.132	3.040	8.6	20.3
2 11	10 40.93	- 3 49.3	2.281	3.206	7.3	21.5	2 11	10 42.97	+24 40.3	2.086	3.036	6.1	20.2
2 21	10 34.18	- 2 54.0	2.226	3.192	4.5	21.3	2 21	10 34.81	+25 29.3	2.068	3.033	5.0	20.1
3 2	10 26.92	- 1 45.4	2.199	3.178	3.4	21.2	3 2	10 26.20	+26 4.6	2.079	3.029	6.4	20.2
3 12	10 19.94	- 0 29.0	2.202	3.163	5.5	21.3	3 12	10 18.14	+26 22.2	2.117	3.026	9.1	20.3
3 22	10 13.94	+ 0 49.2	2.234	3.149	8.5	21.4	3 22	10 11.44	+26 20.9	2.179	3.023	11.8	20.5
4 1	10 9.52	+ 2 3.4	2.291	3.134	11.5	21.6	4 1	10 6.75	+26 1.3	2.263	3.020	14.3	20.7
<b>582</b>	Olympia		2 25.4 31°38'	0.2°/25.3 18 A			<b>431235</b>	2006 <i>SU</i> <sub>389</sub>		2 25.4 128°75'	3.0°/21.6 17		
1 22	10 48.83	- 2 31.4	1.292	2.112	19.0	12.3	1 22	10 51.60	+16 43.4	2.606	3.439	10.1	21.7
2 1	10 46.28	+ 0 21.6	1.228	2.128	14.3	12.0	2 1	10 47.19	+17 52.0	2.538	3.446	7.4	21.5
2 11	10 41.16	+ 3 53.0	1.188	2.144	8.8	11.7	2 11	10 41.23	+19 4.1	2.496	3.453	4.6	21.4
2 21	10 34.28	+ 7 48.4	1.176	2.162	2.7	11.4	2 21	10 34.25	+20 14.1	2.484	3.461	3.0	21.3
3 2	10 26.84	+11 46.6	1.195	2.181	3.5	11.5	3 2	10 26.93	+21 16.4	2.502	3.467	4.3	21.4
3 12	10 20.19	+15 25.2	1.243	2.200	9.2	11.9	3 12	10 20.02	+22 6.5	2.549	3.474	7.0	21.6
3 22	10 15.42	+18 28.9	1.318	2.220	14.2	12.2	3 22	10 14.19	+22 41.6	2.623	3.481	9.6	21.7
4 1	10 13.28	+20 50.7	1.416	2.241	18.2	12.6	4 1	10 9.92	+23 1.1	2.720	3.487	11.9	21.9
<b>222514</b>	2001 <i>TA</i> <sub>86</sub>		2 25.4 221°95'	3.0°/28.5 17			<b>318127</b>	2004 <i>NB</i> <sub>13</sub>		2 25.4 282°60'	4.5°/20.8 17		
1 22	10 54.55	- 2 53.4	2.371	3.139	13.0	22.0	1 22	10 52.83	+16 23.0	1.799	2.645	13.2	20.6
2 1	10 49.61	- 2 39.6	2.267	3.128	10.3	21.8	2 1	10 48.99	+18 2.0	1.711	2.627	9.8	20.3
2 11	10 42.85	- 2 8.9	2.186	3.116	7.3	21.6	2 11	10 42.80	+19 50.8	1.649	2.609	6.4	20.1
2 21	10 34.79	- 1 22.7	2.133	3.104	4.2	21.4	2 21	10 34.84	+21 40.1	1.615	2.590	4.5	19.9
3 2	10 26.15	- 0 24.6	2.110	3.091	3.2	21.3	3 2	10 26.09	+23 19.3	1.609	2.572	6.6	20.0
3 12	10 17.81	+ 0 40.2	2.116	3.077	5.7	21.4	3 12	10 17.73	+24 39.3	1.630	2.554	10.3	20.2
3 22	10 10.56	+ 1 45.9	2.152	3.062	9.0	21.6	3 22	10 10.86	+25 35.0	1.676	2.535	14.1	20.3
4 1	10 5.05	+ 2 47.0	2.212	3.047	12.1	21.8	4 1	10 6.31	+26 4.8	1.741	2.517	17.3	20.5
<b>481822</b>	2008 <i>UR</i> <sub>184</sub>		2 25.4 316°21'	21.6°/17.7 16			<b>147620</b>	2004 <i>HQ</i> <sub>17</sub>		2 25.4 19°65'	2.5°/27.1 18		
1 22	10 52.76	-35 20.2	1.235	1.857	29.2	20.9	1 22	10 53.87	+ 2 37.1	1.307	2.137	18.2	19.5
2 1	10 50.35	-37 25.7	1.164	1.852	27.8	20.7	2 1	10 50.06	+ 2 30.3	1.242	2.143	14.1	19.2
2 11	10 44.37	-38 45.7	1.101	1.848	26.1	20.5	2 11	10 43.49	+ 2 43.4	1.197	2.150	9.2	19.0
2 21	10 35.48	-39 7.8	1.048	1.844	24.4	20.4	2 21	10 35.03	+ 3 13.2	1.176	2.158	4.2	18.7
3 2	10 25.13	-38 22.1	1.007	1.840	22.8	20.2	3 2	10 25.95	+ 3 54.1	1.180	2.167	3.3	18.7
3 12	10 15.36	-36 27.0	0.982	1.836	21.8	20.1	3 12	10 17.71	+ 4 37.8	1.209	2.176	8.0	19.0
3 22	10 8.07	-33 31.3	0.973	1.833	21.7	20.1	3 22	10 11.48	+ 5 17.2	1.262	2.187	12.8	19.3
4 1	10 4.60	-29 52.8	0.981	1.829	22.7	20.2	4 1	10 8.05	+ 5 46.3	1.336	2.199	16.9	19.5
<b>432197</b>	2009 <i>DL</i> <sub>70</sub>		2 25.4 170°51'	0.2°/25.7 17			<b>318042</b>	2004 <i>EF</i> <sub>93</sub>		2 25.4 197°50'	0.5°/26.0 17		
1 22	10 54.35	+ 7 23.0	2.669	3.473	10.7	21.7	1 22	10 50.95	+ 4 16.7	2.496	3.299	11.4	21.3
2 1	10 49.13	+ 7 33.7	2.583	3.475	8.0	21.5	2 1	10 46.77	+ 4 58.5	2.407	3.297	8.6	21.1
2 11	10 42.38	+ 7 52.2	2.524	3.477	4.9	21.3	2 11	10 41.03	+ 5 52.5	2.344	3.296	5.4	20.9
2 21	10 34.59	+ 8 15.6	2.493	3.479	1.6	21.1	2 21	10 34.21	+ 6 55.3	2.309	3.294	1.9	20.6
3 2	10 26.45	+ 8 40.8	2.493	3.480	1.9	21.1	3 2	10 26.98	+ 8 1.8	2.305	3.292	1.9	20.6
3 12	10 18.70	+ 9 4.0	2.524	3.481	5.2	21.3	3 12	10 20.10	+ 9 6.7	2.331	3.290	5.4	20.9
3 22	10 11.99	+ 9 22.3	2.583	3.482	8.2	21.5	3 22	10 14.25	+10 5.0	2.385	3.287	8.6	21.1
4 1	10 6.84	+ 9 33.5	2.667	3.482	10.9	21.7	4 1	10 9.96	+10 53.3	2.463	3.285	11.5	21.2
<b>239731</b>	2009 <i>BR</i> <sub>173</sub>		2 25.4 220°31'	6.3°/17.1 17			<b>125557</b>	2001 <i>XU</i> <sub>12</sub>		2 25.4 117°08'	0.9°/24.7 18		
1 22	10 53.21	+27 39.9	2.412	3.251	10.5	20.1	1 22	10 57.73	+10 29.6	1.931	2.753	13.5	20.0
2 1	10 48.69	+29 15.6	2.348	3.248	8.3	20.0	2 1	10 52.13	+10 48.6	1.859	2.761	10.0	19.8
2 11	10 42.30	+30 48.0	2.311	3.245	6.7	19.9	2 11	10 44.40	+11 15.8	1.811	2.769	6.0	19.6
2 21	10 34.60	+32 9.3	2.303	3.242	6.5	19.9	2 21	10 35.26	+11 46.6	1.790	2.777	1.9	19.3
3 2	10 26.43	+33 12.6	2.323	3.239	7.9	19.9	3 2	10 25.69	+12 15.8	1.799	2.784	2.9	19.4
3 12	10 18.72	+33 53.9	2.369	3.236	10.1	20.1	3 12	10 16.75	+12 38.3	1.837	2.791	7.1	19.7
3 22	10 12.27	+34 12.1	2.439	3.232	12.3	20.2	3 22	10 9.36	+12 51.0	1.902	2.798	10.8	19.9
4 1	10 7.72	+34 8.4	2.528	3.229	14.3	20.4	4 1	10 4.16	+12 52.2	1.989	2.805	14.0	20.1
<b>69133</b>	2003 <i>FK</i> <sub>54</sub>		2 25.4 260°87'	1.0°/24.1 18			<b>346088</b>	2007 <i>UW</i> <sub>141</sub>		2 25.4 55°16'	2.8°/22.8 18		
1 22	10 49.74	+ 8 19.1	2.527	3.345	10.8	19.2	1 22	10 54.95	+16 28.2	2.209	3.042	11.6	20.6
2 1	10 45.93	+ 9 29.5	2.434	3.336	8.0	19.0	2 1	10 49.90	+17 2.8	2.136	3.045	8.6	20.5
2 11	10 40.54	+10 51.0	2.369	3.327	4.8	18.8	2 11	10 42.98	+17 40.7	2.088	3.047	5.3	20.3
2 21	10 34.05	+12 18.6	2.332	3.318	1.5	18.5	2 21	10 34.81	+18 16.5	2.068	3.049	2.9	20.1
3 2	10 27.12	+13 46.2	2.326	3.309	2.7	18.6	3 2	10 26.25	+18 45.0	2.078	3.052	4.2	20.2
3 12	10 20.48	+15 7.6	2.351	3.300	6.1	18.8	3 12	10 18.23	+19 2.2	2.116	3.054	7.4	20.4
3 22	10 14.82	+16 17.7	2.404	3.290	9.3	19.0	3 22	10 11.54	+19 5.9	2.181	3.056	10.6	20.6
4 1	10 10.71	+17 13.4	2.481	3.281	12.0	19.2	4 1	10 6.76	+18 55.7	2.268	3.059	13.3	20.8
<b>268359</b>	2005 <i>TO</i> <sub>29</sub>		2 25.4 60°47'	6.2°/20.9 18			<b>436358</b>	2010 <i>JR</i> <sub>175</sub>		2			

EPHEMERIDES

2 25.4

2 25.4

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>250999</b>	2006 <i>OQ</i> <sub>12</sub>		2 25.4 216°87	3°8/22.3	18		<b>428415</b>	2007 <i>TS</i> <sub>122</sub>		2 25.4 120°12	2°9/28.7	18	
1 22	11 1.16	+18 41.4	2.031	2.860	12.6	20.5	1 22	10 51.31	- 3 2.4	2.374	3.147	12.8	21.3
2 1	10 54.82	+19 21.5	1.946	2.852	9.5	20.2	2 1	10 47.08	- 2 43.1	2.289	3.154	10.1	21.1
2 11	10 46.15	+20 3.8	1.887	2.843	6.1	20.0	2 11	10 41.23	- 2 7.1	2.229	3.160	7.1	21.0
2 21	10 35.85	+20 41.7	1.857	2.834	3.8	19.9	2 21	10 34.29	- 1 16.5	2.195	3.165	4.1	20.8
3 2	10 24.94	+21 8.9	1.856	2.824	5.3	19.9	3 2	10 26.96	- 0 15.1	2.190	3.171	3.0	20.7
3 12	10 14.58	+21 20.6	1.884	2.813	8.8	20.1	3 12	10 20.04	+ 0 51.5	2.215	3.177	5.4	20.9
3 22	10 5.81	+21 15.2	1.938	2.802	12.2	20.3	3 22	10 14.20	+ 1 57.8	2.268	3.182	8.4	21.1
4 1	9 59.35	+20 53.2	2.014	2.790	15.3	20.5	4 1	10 10.01	+ 2 58.6	2.346	3.188	11.3	21.3
<b>499996</b>	2011 <i>OL</i> <sub>55</sub>		2 25.4 127°41	3°5/28.9	17		<b>170816</b>	2004 <i>EC</i> <sub>3</sub>		2 25.4 77°97	5°5/19.8	18	
1 22	10 57.11	- 3 1.1	2.777	3.530	11.6	21.1	1 22	10 56.07	+24 54.1	2.190	3.028	11.5	20.0
2 1	10 51.10	- 3 31.2	2.692	3.541	9.3	20.9	2 1	10 50.80	+25 52.6	2.129	3.034	8.8	19.8
2 11	10 43.55	- 3 49.3	2.631	3.551	6.7	20.8	2 11	10 43.55	+26 48.0	2.094	3.039	6.4	19.7
2 21	10 34.98	- 3 55.5	2.600	3.561	4.3	20.6	2 21	10 35.01	+27 33.5	2.087	3.045	5.6	19.7
3 2	10 26.07	- 3 51.5	2.598	3.571	3.5	20.6	3 2	10 26.10	+28 3.2	2.108	3.050	6.9	19.8
3 12	10 17.55	- 3 39.8	2.628	3.581	5.2	20.7	3 12	10 17.82	+28 13.5	2.156	3.056	9.4	19.9
3 22	10 10.08	- 3 23.8	2.686	3.590	7.7	20.9	3 22	10 11.01	+28 4.1	2.229	3.062	12.0	20.1
4 1	10 4.16	- 3 7.0	2.771	3.599	10.2	21.0	4 1	10 6.26	+27 36.5	2.322	3.068	14.3	20.3
<b>421386</b>	2013 <i>UP</i> <sub>6</sub>		2 25.4 182°43	2°0/23.3	18		<b>395302</b>	2011 <i>LG</i> <sub>26</sub>		2 25.4 227°70	0°2/25.3	18	
1 22	10 53.48	+12 10.6	2.257	3.084	11.6	21.1	1 22	10 59.55	+ 7 17.1	1.709	2.527	15.2	22.4
2 1	10 48.82	+13 9.8	2.178	3.084	8.6	20.9	2 1	10 54.04	+ 7 44.8	1.617	2.516	11.5	22.2
2 11	10 42.35	+14 17.0	2.125	3.084	5.1	20.7	2 11	10 45.92	+ 8 26.7	1.548	2.504	7.1	21.9
2 21	10 34.64	+15 26.4	2.100	3.084	2.1	20.5	2 21	10 35.86	+ 9 17.9	1.505	2.491	2.2	21.5
3 2	10 26.48	+16 31.8	2.105	3.084	3.6	20.6	3 2	10 24.95	+10 11.9	1.491	2.478	2.9	21.5
3 12	10 18.76	+17 27.3	2.140	3.083	7.0	20.8	3 12	10 14.52	+11 1.3	1.506	2.463	7.9	21.8
3 22	10 12.26	+18 9.1	2.202	3.081	10.3	21.0	3 22	10 5.74	+11 40.1	1.547	2.448	12.5	22.0
4 1	10 7.58	+18 35.3	2.287	3.080	13.2	21.2	4 1	9 59.52	+12 4.7	1.610	2.432	16.5	22.2
<b>200578</b>	Yungchuen		2 25.4 143°19	0°4/25.8	18		<b>319527</b>	2006 <i>RE</i> <sub>47</sub>		2 25.4 345°83	1°8/23.7	17	
1 22	10 57.68	+ 4 19.0	1.888	2.693	14.4	22.1	1 22	10 53.09	+12 50.5	2.150	2.981	12.0	20.5
2 1	10 52.13	+ 5 7.8	1.815	2.707	10.9	21.9	2 1	10 48.61	+13 24.1	2.071	2.979	8.8	20.2
2 11	10 44.44	+ 6 12.1	1.767	2.719	6.7	21.7	2 11	10 42.26	+14 4.1	2.016	2.977	5.3	20.0
2 21	10 35.29	+ 7 26.9	1.746	2.731	2.3	21.4	2 21	10 34.64	+14 45.7	1.990	2.975	2.1	19.8
3 2	10 25.69	+ 8 44.9	1.755	2.742	2.4	21.5	3 2	10 26.57	+15 23.6	1.993	2.973	3.4	19.9
3 12	10 16.71	+ 9 58.5	1.794	2.752	6.8	21.8	3 12	10 18.99	+15 52.9	2.025	2.972	7.0	20.1
3 22	10 9.27	+11 1.7	1.860	2.761	10.8	22.0	3 22	10 12.68	+16 10.4	2.082	2.971	10.4	20.3
4 1	10 4.05	+11 50.4	1.949	2.769	14.1	22.3	4 1	10 8.26	+16 14.7	2.163	2.970	13.4	20.5
<b>491234</b>	2011 <i>UW</i> <sub>192</sub>		2 25.4 212°62	0°2/25.2	17		<b>138236</b>	2000 <i>FA</i> <sub>25</sub>		2 25.4 55°73	9°5/17.4	18	
1 22	10 57.41	+ 6 34.5	2.165	2.971	12.8	22.8	1 22	10 59.36	+30 34.1	1.553	2.401	14.9	19.3
2 1	10 51.91	+ 7 20.1	2.068	2.961	9.6	22.6	2 1	10 54.05	+32 10.4	1.509	2.410	12.0	19.1
2 11	10 44.35	+ 8 18.6	1.997	2.951	5.9	22.3	2 11	10 45.86	+33 37.0	1.489	2.419	9.9	19.0
2 21	10 35.30	+ 9 25.7	1.954	2.940	1.8	22.0	2 21	10 35.77	+34 42.3	1.493	2.429	9.6	19.0
3 2	10 25.61	+10 35.1	1.942	2.927	2.5	22.0	3 2	10 25.23	+35 17.4	1.523	2.439	11.3	19.1
3 12	10 16.29	+11 40.3	1.960	2.914	6.7	22.3	3 12	10 15.75	+35 19.0	1.576	2.449	13.9	19.3
3 22	10 8.24	+12 35.9	2.006	2.900	10.5	22.5	3 22	10 8.52	+34 49.4	1.650	2.459	16.6	19.5
4 1	10 2.18	+13 18.1	2.076	2.884	13.8	22.7	4 1	10 4.25	+33 53.8	1.741	2.469	19.0	19.7
<b>170261</b>	2003 <i>QW</i> <sub>56</sub>		2 25.4 190°52	2°0/23.6	18		<b>242774</b>	2005 <i>XH</i> <sub>110</sub>		2 25.4 232°03	0°3/25.2	17	
1 22	10 57.33	+11 58.0	1.943	2.769	13.2	21.0	1 22	10 58.08	+ 7 43.1	1.907	2.722	13.9	21.3
2 1	10 51.97	+12 50.7	1.863	2.769	9.8	20.8	2 1	10 52.70	+ 8 11.8	1.812	2.710	10.5	21.0
2 11	10 44.41	+13 52.6	1.808	2.767	5.9	20.6	2 11	10 44.98	+ 8 52.9	1.740	2.696	6.5	20.8
2 21	10 35.31	+14 57.3	1.780	2.765	2.3	20.3	2 21	10 35.55	+ 9 41.9	1.697	2.683	2.0	20.4
3 2	10 25.64	+15 57.6	1.782	2.762	3.9	20.4	3 2	10 25.38	+10 33.0	1.682	2.668	2.7	20.4
3 12	10 16.50	+16 47.1	1.814	2.759	7.9	20.7	3 12	10 15.62	+11 19.6	1.697	2.653	7.3	20.7
3 22	10 8.86	+17 21.7	1.871	2.755	11.6	20.9	3 22	10 7.32	+11 56.4	1.738	2.637	11.5	20.9
4 1	10 3.43	+17 39.5	1.951	2.750	14.9	21.1	4 1	10 1.28	+12 20.2	1.802	2.620	15.2	21.1
<b>398831</b>	2013 <i>CN</i> <sub>4</sub>		2 25.4 278°21	2°9/27.4	18		<b>321970</b>	2010 <i>UZ</i> <sub>28</sub>		2 25.4 78°42	1°1/24.5	18	
1 22	10 56.04	+ 1 2.0	1.487	2.299	17.3	20.8	1 22	10 58.70	+10 10.2	1.708	2.534	14.7	20.6
2 1	10 51.73	+ 1 1.0	1.396	2.286	13.6	20.5	2 1	10 52.91	+10 43.1	1.654	2.559	10.9	20.4
2 11	10 44.65	+ 1 20.3	1.325	2.272	9.2	20.2	2 11	10 44.87	+11 25.3	1.625	2.584	6.5	20.2
2 21	10 35.48	+ 1 58.1	1.279	2.259	4.5	19.9	2 21	10 35.43	+12 11.1	1.622	2.608	2.0	20.0
3 2	10 25.35	+ 2 49.6	1.260	2.245	3.5	19.8	3 2	10 25.69	+12 53.8	1.648	2.632	3.2	20.1
3 12	10 15.70	+ 3 46.9	1.267	2.232	8.0	20.0	3 12	10 16.83	+13 27.6	1.703	2.656	7.5	20.4
3 22	10 7.82	+ 4 41.9	1.298	2.218	12.9	20.3	3 22	10 9.76	+13 49.1	1.783	2.680	11.4	20.7
4 1	10 2.68	+ 5 27.6	1.351	2.205	17.3	20.5	4 1	10 5.07	+13 56.6	1.886	2.703	14.6	21.0
<b>296740</b>	2009 <i>TD</i> <sub>31</sub>		2 25.4 353°35	1°4/26.4	18		<b>237630</b>	2001 <i>RJ</i> <sub>147</sub>		2 25.4 83°96	4°7/20.7	18	
1 22	10 56.45	+ 5 21.7	1.672	2.491	15.4	20.3	1 22	10 56.88	+23 2.4	2.319	3.153	11.1	20.3
2 1	10 51.57	+ 5 11.9	1.592	2.489	11.8	20.1	2 1	10 51.15	+23 55.3	2.270	3.175	8.3	20.2
2 11	10 44.28	+ 5 15.2	1.534	2.487	7.5	19.9	2 11	10 43.64	+24 45.9	2.247	3.196	5.8	20.0
2 21	10 35.29	+ 5 28.7	1.502	2.486	3.0	19.6	2 21	10 35.03	+25 28.0	2.253	3.217	4.7	20.0
3 2	10 25.67	+ 5 48.4	1.498	2.485	2.7	19.5	3 2	10 26.19	+25 56.4	2.287	3.238	5.9	20.1
3 12	10 16.66	+ 6 8.7	1.521	2.485	7.2	19.8	3 12	10 18.03	+26 8.2	2.350	3.258	8.4	20.3
3 22	10 9.32	+ 6 25.0	1.570	2.484	11.5	20.1	3 22	10 11.28	+26 2.9	2.439	3.279	10.9	20.5
4 1	10 4.42	+ 6 33.6	1.641	2.485	15.3	20.3	4 1	10 6.47	+25 41.8	2.549	3.299	13.1	20.7
<b>206843</b>	2004 <i>EK</i> <sub>81</sub>		2 25.4 7°96	4°8/20.6	18		<b>511826</b>	2015 <i>FS</i> <sub>212</sub>		2 25.4 1°98	5°2/19.6</		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>57090</b>	2001 <i>OF</i> <sub>44</sub>		2 25.4 70°40'	2°9'/27.9 18			<b>245183</b>	2004 <i>TP</i> <sub>210</sub>		2 25.4 331°40'	0°5'/25.1 18		
1 22	10 56.25	+ 0 14.5	2.205	2.988	13.3	18.6	1 22	10 56.13	+ 8 48.4	1.296	2.140	17.5	20.4
2 1	10 50.76	- 0 5.7	2.132	3.003	10.4	18.4	2 1	10 52.03	+ 9 3.9	1.220	2.133	13.2	20.1
2 11	10 43.47	- 0 12.6	2.083	3.019	7.1	18.2	2 11	10 44.93	+ 9 33.9	1.164	2.126	8.1	19.8
2 21	10 35.00	- 0 7.5	2.061	3.034	3.9	18.0	2 21	10 35.61	+10 13.1	1.132	2.119	2.5	19.5
3 2	10 26.18	+ 0 7.0	2.068	3.050	3.1	18.0	3 2	10 25.42	+10 53.6	1.126	2.113	3.5	19.5
3 12	10 17.91	+ 0 27.0	2.105	3.065	5.8	18.2	3 12	10 15.95	+11 27.3	1.146	2.107	9.2	19.8
3 22	10 10.94	+ 0 48.3	2.169	3.081	8.9	18.4	3 22	10 8.59	+11 48.3	1.188	2.103	14.4	20.1
4 1	10 5.85	+ 1 7.2	2.259	3.096	11.8	18.6	4 1	10 4.26	+11 53.3	1.250	2.098	18.8	20.4
<b>408700</b>	2014 <i>ND</i> <sub>12</sub>		2 25.4 246°83'	3°5'/27.7 18			<b>55953</b>	1998 <i>HG</i> <sub>65</sub>		2 25.4 321°44'	1°8'/27.1 18		
1 22	10 58.48	+ 0 4.6	1.612	2.411	16.8	21.5	1 22	10 51.74	+ 2 16.5	2.170	2.971	12.9	19.4
2 1	10 53.37	- 0 10.5	1.520	2.401	13.3	21.3	2 1	10 47.64	+ 2 25.5	2.078	2.964	10.0	19.2
2 11	10 45.58	- 0 7.1	1.449	2.390	9.1	21.0	2 11	10 41.71	+ 2 48.3	2.011	2.957	6.6	19.0
2 21	10 35.79	+ 0 13.8	1.403	2.379	4.9	20.7	2 21	10 34.52	+ 3 22.5	1.970	2.951	3.0	18.7
3 2	10 25.11	+ 0 48.6	1.384	2.368	3.9	20.6	3 2	10 26.81	+ 4 4.1	1.958	2.944	2.4	18.7
3 12	10 14.89	+ 1 31.2	1.393	2.356	7.7	20.8	3 12	10 19.49	+ 4 48.2	1.975	2.938	5.8	18.9
3 22	10 6.38	+ 2 14.6	1.427	2.344	12.3	21.1	3 22	10 13.35	+ 5 29.6	2.019	2.932	9.4	19.1
4 1	10 0.49	+ 2 52.5	1.484	2.332	16.3	21.3	4 1	10 9.00	+ 6 4.1	2.087	2.927	12.6	19.3
<b>83833</b>	2001 <i>UE</i> <sub>24</sub>		2 25.4 218°20'	4°3'/1.2 18			<b>399624</b>	2004 <i>HM</i> <sub>58</sub>		2 25.4 236°32'	3°0'/27.9 17		
1 22	10 52.35	- 7 9.0	2.684	3.426	12.2	19.6	1 22	10 57.17	- 1 15.8	1.813	2.601	15.6	22.4
2 1	10 47.78	- 7 17.4	2.584	3.420	10.0	19.4	2 1	10 52.19	- 1 2.5	1.712	2.586	12.4	22.2
2 11	10 41.67	- 7 9.8	2.506	3.414	7.6	19.2	2 11	10 44.78	- 0 28.8	1.633	2.571	8.5	21.9
2 21	10 34.47	- 6 46.4	2.455	3.408	5.3	19.0	2 21	10 35.55	+ 0 23.6	1.579	2.555	4.5	21.6
3 2	10 26.83	- 6 9.3	2.433	3.401	4.3	19.0	3 2	10 25.45	+ 1 30.3	1.554	2.538	3.4	21.5
3 12	10 19.46	+ 5 22.0	2.440	3.393	5.6	19.0	3 12	10 15.70	+ 2 43.8	1.558	2.520	7.1	21.7
3 22	10 13.05	+ 4 29.3	2.476	3.386	8.0	19.2	3 22	10 7.40	+ 3 56.3	1.588	2.502	11.5	21.9
4 1	10 8.14	- 3 36.2	2.538	3.378	10.6	19.3	4 1	10 1.44	+ 5 0.8	1.642	2.483	15.4	22.1
<b>405893</b>	2006 <i>GH</i> <sub>28</sub>		2 25.4 260°57'	4°7'/21.9 18			<b>414851</b>	2010 <i>VF</i> <sub>65</sub>		2 25.4 111°61'	0°4'/25.8 18		
1 22	10 59.13	+18 30.6	1.612	2.456	14.6	21.6	1 22	10 57.46	+ 6 7.3	1.928	2.739	13.9	21.8
2 1	10 53.89	+19 25.3	1.532	2.445	11.0	21.4	2 1	10 51.90	+ 6 27.9	1.859	2.754	10.5	21.6
2 11	10 45.88	+20 24.4	1.476	2.434	7.2	21.1	2 11	10 44.28	+ 7 0.5	1.815	2.768	6.5	21.4
2 21	10 35.87	+21 19.3	1.445	2.422	4.7	20.9	2 21	10 35.30	+ 7 41.0	1.798	2.783	2.2	21.1
3 2	10 25.06	+22 1.0	1.443	2.410	6.6	21.0	3 2	10 25.93	+ 8 24.1	1.810	2.797	2.3	21.2
3 12	10 14.89	+22 23.0	1.466	2.398	10.5	21.2	3 12	10 17.21	+ 9 4.1	1.851	2.810	6.5	21.5
3 22	10 6.61	+22 22.8	1.514	2.386	14.6	21.4	3 22	10 10.03	+ 9 36.5	1.920	2.824	10.3	21.7
4 1	10 1.09	+22 1.2	1.582	2.374	18.1	21.6	4 1	10 4.98	+ 9 58.3	2.012	2.836	13.6	22.0
<b>415621</b>	2014 <i>QM</i> <sub>361</sub>		2 25.4 193°31'	0°4'/25.8 17			<b>87256</b>	2000 <i>ON</i> <sub>53</sub>		2 25.4 244°19'	5°7'/1.4 18		
1 22	10 56.72	+ 5 25.0	2.104	2.909	13.1	22.9	1 22	10 55.49	- 8 9.9	2.162	2.907	14.7	19.7
2 1	10 51.38	+ 6 0.4	2.016	2.907	9.9	22.7	2 1	10 50.57	- 8 37.3	2.059	2.895	12.3	19.5
2 11	10 44.02	+ 6 49.0	1.952	2.905	6.2	22.4	2 11	10 43.62	- 8 45.6	1.977	2.882	9.5	19.3
2 21	10 35.23	+ 7 46.7	1.916	2.901	2.1	22.2	2 21	10 35.16	- 8 33.8	1.920	2.869	6.8	19.1
3 2	10 25.88	+ 8 47.9	1.910	2.897	2.3	22.2	3 2	10 26.01	- 8 3.0	1.891	2.855	5.7	19.0
3 12	10 16.98	+ 9 46.3	1.934	2.892	6.4	22.4	3 12	10 17.15	- 7 17.4	1.891	2.841	7.2	19.1
3 22	10 9.40	+10 36.6	1.986	2.886	10.2	22.6	3 22	10 9.50	- 6 22.7	1.917	2.827	10.0	19.2
4 1	10 3.83	+11 15.2	2.062	2.880	13.5	22.8	4 1	10 3.79	- 5 25.4	1.968	2.813	13.0	19.4
<b>222330</b>	2000 <i>UD</i> <sub>66</sub>		2 25.4 153°19'	3°3'/28.9 18			<b>3651</b>	Friedman		2 25.4 311°21'	5°7'/21.1 18		
1 22	10 53.85	- 3 45.3	2.300	3.067	13.3	20.9	1 22	10 55.92	+18 56.8	1.408	2.265	15.6	17.0
2 1	10 49.04	- 3 34.0	2.215	3.074	10.6	20.7	2 1	10 51.82	+20 10.7	1.335	2.254	11.7	16.7
2 11	10 42.47	- 3 5.3	2.153	3.080	7.5	20.5	2 11	10 44.77	+21 30.4	1.284	2.244	7.8	16.5
2 21	10 34.72	- 2 21.0	2.118	3.086	4.5	20.4	2 21	10 35.58	+22 45.3	1.259	2.234	5.7	16.3
3 2	10 26.55	- 1 24.7	2.112	3.091	3.4	20.3	3 2	10 25.53	+23 44.2	1.259	2.224	7.8	16.4
3 12	10 18.80	- 0 21.8	2.136	3.096	5.7	20.5	3 12	10 16.20	+24 18.9	1.285	2.215	11.9	16.6
3 22	10 12.23	+ 0 41.9	2.187	3.100	8.8	20.7	3 22	10 8.93	+24 26.6	1.332	2.206	16.1	16.8
4 1	10 7.41	+ 1 41.0	2.265	3.104	11.7	20.8	4 1	10 4.62	+24 8.1	1.398	2.197	19.7	17.0
<b>216297</b>	2007 <i>MP</i> <sub>2</sub>		2 25.4 101°68'	3°0'/28.9 18			<b>134817</b>	2000 <i>GB</i> <sub>11</sub>		2 25.4 86°95'	0°4'/25.8 18		
1 22	10 52.42	- 4 34.9	2.274	3.040	13.5	20.9	1 22	10 55.92	+ 5 55.8	1.699	2.519	15.1	19.8
2 1	10 47.90	- 3 56.2	2.200	3.059	10.7	20.7	2 1	10 51.06	+ 6 21.4	1.629	2.528	11.4	19.6
2 11	10 41.73	- 2 58.5	2.150	3.078	7.5	20.5	2 11	10 43.92	+ 7 1.4	1.582	2.538	7.0	19.3
2 21	10 34.47	- 1 44.7	2.127	3.097	4.3	20.4	2 21	10 35.22	+ 7 50.9	1.561	2.547	2.3	19.1
3 2	10 26.90	- 0 19.8	2.134	3.115	3.1	20.3	3 2	10 26.04	+ 8 43.6	1.569	2.556	2.6	19.1
3 12	10 19.81	+ 1 9.5	2.170	3.132	5.5	20.5	3 12	10 17.53	+ 9 32.4	1.605	2.565	7.2	19.4
3 22	10 13.93	+ 2 36.3	2.236	3.150	8.6	20.7	3 22	10 10.69	+10 12.1	1.666	2.574	11.4	19.7
4 1	10 9.75	+ 3 55.1	2.327	3.167	11.5	20.9	4 1	10 6.18	+10 38.9	1.750	2.583	14.9	19.9
<b>396796</b>	2004 <i>OA</i> <sub>1</sub>		2 25.4 202°10'	1°2'/24.3 18			<b>141801</b>	2002 <i>NH</i> <sub>35</sub>		2 25.4 153°63'	1°9'/27.2 18		
1 22	10 57.49	+ 8 57.1	1.986	2.803	13.3	22.3	1 22	10 55.09	+ 0 42.0	1.926	2.721	14.5	20.9
2 1	10 52.12	+ 9 55.4	1.898	2.798	9.9	22.1	2 1	10 50.27	+ 1 11.1	1.845	2.727	11.2	20.7
2 11	10 44.56	+11 6.2	1.835	2.793	6.0	21.8	2 11	10 43.38	+ 1 57.9	1.788	2.733	7.4	20.5
2 21	10 35.42	+12 23.5	1.800	2.786	1.9	21.5	2 21	10 35.06	+ 2 59.2	1.757	2.737	3.4	20.2
3 2	10 25.65	+13 40.0	1.796	2.779	3.3	21.6	3 2	10 26.22	+ 4 9.2	1.756	2.742	2.6	20.2
3 12	10 16.32	+14 48.2	1.821	2.770	7.5	21.9	3 12	10 17.92	+ 5 20.7	1.783	2.746	6.4	20.4
3 22	10 8.42	+15 42.6	1.873	2.761	11.4	22.1	3 22	10 11.03	+ 6 27.1	1.838	2.750	10.3	20.7
4 1	10 2.68	+16 20.4	1.949	2.751	14.8	22.3	4 1	10 6.24	+ 7 23.1	1.917	2.753	13.7	20.9
<b>330427</b>	2007 <i>CL</i> <sub>56</sub>		2 25.4 333°55'	0°9'/26.3 18</									

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>214843</b>	2006 VO <sub>170</sub>		2 25.4 267°44	0°2/25.6	17	R	<b>227257</b>	2005 SD <sub>82</sub>		2 25.4 269°32	1°1/26.4	17	
1 22	10 51.49	+ 6 39.9	2.528	3.338	11.0	20.8	1 22	10 54.36	+ 3 59.8	1.833	2.645	14.5	21.0
2 1	10 47.24	+ 7 7.2	2.433	3.328	8.3	20.6	2 1	10 49.98	+ 4 20.5	1.741	2.635	11.1	20.8
2 11	10 41.39	+ 7 44.6	2.363	3.317	5.1	20.4	2 11	10 43.36	+ 4 56.9	1.672	2.624	7.1	20.5
2 21	10 34.42	+ 8 28.6	2.321	3.306	1.7	20.1	2 21	10 35.11	+ 5 45.6	1.629	2.613	2.8	20.2
3 2	10 27.00	+ 9 15.1	2.309	3.296	2.0	20.1	3 2	10 26.17	+ 6 41.2	1.615	2.602	2.5	20.2
3 12	10 19.90	+ 9 59.4	2.327	3.285	5.5	20.4	3 12	10 17.66	+ 7 36.6	1.629	2.591	6.9	20.4
3 22	10 13.79	+10 37.4	2.373	3.274	8.8	20.5	3 22	10 10.58	+ 8 25.9	1.669	2.580	11.2	20.7
4 1	10 9.26	+11 6.3	2.444	3.263	11.6	20.7	4 1	10 5.71	+ 9 4.1	1.732	2.569	14.9	20.9
<b>227127</b>	2005 OB <sub>6</sub>		2 25.4 244°53	0°5/25.8	17		<b>431541</b>	2007 TN <sub>399</sub>		2 25.4 3°17	4°1/21.8	17	
1 22	11 0.65	+ 7 59.9	1.899	2.711	14.1	20.5	1 22	10 56.20	+20 11.6	2.097	2.934	12.0	21.1
2 1	10 54.57	+ 7 49.0	1.808	2.702	10.7	20.2	2 1	10 51.00	+20 50.6	2.025	2.934	8.9	20.9
2 11	10 46.11	+ 7 47.1	1.740	2.694	6.7	20.0	2 11	10 43.77	+21 30.0	1.979	2.934	5.9	20.7
2 21	10 35.95	+ 7 51.3	1.699	2.685	2.3	19.7	2 21	10 35.18	+22 3.7	1.961	2.935	4.1	20.6
3 2	10 25.10	+ 7 57.9	1.689	2.675	2.5	19.6	3 2	10 26.17	+22 26.2	1.971	2.935	5.5	20.7
3 12	10 14.76	+ 8 2.7	1.707	2.666	7.0	19.9	3 12	10 17.75	+22 33.5	2.009	2.935	8.5	20.8
3 22	10 5.97	+ 8 2.4	1.753	2.656	11.2	20.1	3 22	10 10.79	+22 24.3	2.073	2.936	11.6	21.0
4 1	9 59.53	+ 7 54.6	1.821	2.646	14.8	20.3	4 1	10 5.91	+21 59.3	2.158	2.937	14.3	21.2
<b>377969</b>	2006 KT <sub>83</sub>		2 25.4 0°23	7°0/19.2	18		<b>464184</b>	2015 AR <sub>250</sub>		2 25.4 176°85	3°5/22.4	17	
1 22	10 55.55	+25 32.9	1.731	2.581	13.5	20.6	1 22	10 59.66	+19 2.3	2.166	2.994	12.0	20.9
2 1	10 50.99	+26 46.2	1.670	2.579	10.5	20.4	2 1	10 53.49	+19 33.0	2.091	2.996	8.9	20.7
2 11	10 43.96	+27 56.2	1.633	2.579	7.9	20.3	2 11	10 45.25	+20 4.7	2.041	2.997	5.7	20.5
2 21	10 35.26	+28 53.6	1.622	2.579	7.0	20.2	2 21	10 35.65	+20 31.6	2.020	2.997	3.6	20.4
3 2	10 26.03	+29 30.3	1.638	2.579	8.7	20.3	3 2	10 25.61	+20 48.4	2.029	2.998	4.9	20.4
3 12	10 17.55	+29 41.7	1.679	2.580	11.6	20.5	3 12	10 16.18	+20 51.6	2.067	2.998	8.0	20.6
3 22	10 10.88	+29 27.5	1.742	2.581	14.6	20.7	3 22	10 8.23	+20 39.9	2.131	2.997	11.2	20.8
4 1	10 6.73	+28 50.4	1.825	2.583	17.3	20.9	4 1	10 2.40	+20 13.9	2.218	2.997	14.0	21.0
<b>436766</b>	2012 FQ <sub>83</sub>		2 25.4 323°11	19°2/ 4.7	18		<b>84278</b>	2002 TR <sub>20</sub>		2 25.4 68°35	5°0/20.7	18	
1 22	10 58.30	+42 19.7	0.993	1.851	20.5	19.9	1 22	10 56.40	+22 37.1	2.061	2.901	12.0	19.6
2 1	10 55.81	+46 15.6	0.966	1.844	19.3	19.8	2 1	10 51.13	+23 31.9	2.003	2.911	9.1	19.4
2 11	10 48.33	+49 42.8	0.959	1.837	19.5	19.8	2 11	10 43.82	+24 25.1	1.970	2.920	6.3	19.3
2 21	10 36.89	+52 17.2	0.970	1.831	21.0	19.9	2 21	10 35.19	+25 9.8	1.964	2.930	5.0	19.2
3 2	10 23.91	+53 43.0	0.999	1.826	23.3	20.0	3 2	10 26.20	+25 39.9	1.987	2.940	6.4	19.3
3 12	10 12.52	+53 58.4	1.041	1.821	25.8	20.2	3 12	10 17.91	+25 51.8	2.037	2.950	9.2	19.5
3 22	10 5.07	+53 12.6	1.093	1.816	28.2	20.3	3 22	10 11.15	+25 44.6	2.112	2.960	12.0	19.7
4 1	10 2.70	+51 38.7	1.154	1.812	30.1	20.5	4 1	10 6.51	+25 19.7	2.209	2.970	14.5	19.9
<b>155167</b>	2005 UG <sub>172</sub>		2 25.4 81°47	1°0/26.3	18		<b>457582</b>	2008 YA <sub>173</sub>		2 25.4 10°72	1°0/26.2	18	
1 22	10 54.65	+ 4 9.1	1.821	2.633	14.6	20.7	1 22	10 54.54	+ 4 16.0	1.390	2.219	17.3	21.5
2 1	10 49.99	+ 4 32.9	1.749	2.643	11.0	20.5	2 1	10 50.58	+ 4 41.2	1.316	2.220	13.2	21.2
2 11	10 43.21	+ 5 11.6	1.701	2.653	7.0	20.3	2 11	10 43.91	+ 5 26.0	1.265	2.221	8.4	20.9
2 21	10 35.01	+ 6 1.2	1.679	2.663	2.6	20.0	2 21	10 35.31	+ 6 25.6	1.237	2.222	3.1	20.6
3 2	10 26.35	+ 6 55.9	1.685	2.672	2.4	20.0	3 2	10 25.99	+ 7 32.1	1.236	2.223	2.9	20.6
3 12	10 18.30	+ 7 49.0	1.720	2.682	6.6	20.3	3 12	10 17.39	+ 8 36.2	1.261	2.225	8.2	20.9
3 22	10 11.77	+ 8 34.8	1.781	2.692	10.6	20.6	3 22	10 10.70	+ 9 30.2	1.310	2.227	13.1	21.2
4 1	10 7.40	+ 9 9.5	1.866	2.701	14.0	20.8	4 1	10 6.76	+10 8.7	1.380	2.229	17.2	21.4
<b>108745</b>	2001 ON <sub>40</sub>		2 25.4 139°06	3°3/21.7	18		<b>269312</b>	2008 SK <sub>154</sub>		2 25.4 199°54	0°8/26.2	17	
1 22	10 55.65	+15 51.9	2.227	3.057	11.6	19.7	1 22	10 52.48	+ 3 48.7	2.104	2.911	13.1	20.9
2 1	10 50.44	+17 15.0	2.163	3.070	8.5	19.5	2 1	10 48.23	+ 4 26.9	2.018	2.910	9.9	20.7
2 11	10 43.36	+18 43.2	2.125	3.083	5.3	19.3	2 11	10 42.11	+ 5 19.8	1.957	2.909	6.3	20.5
2 21	10 35.03	+20 9.0	2.117	3.094	3.3	19.2	2 21	10 34.69	+ 6 23.4	1.923	2.908	2.3	20.2
3 2	10 26.32	+21 25.4	2.139	3.106	4.9	19.3	3 2	10 26.77	+ 7 32.1	1.919	2.906	2.1	20.2
3 12	10 18.14	+22 26.5	2.191	3.116	8.0	19.5	3 12	10 19.28	+ 8 39.1	1.944	2.905	6.1	20.4
3 22	10 11.29	+23 9.3	2.269	3.126	11.0	19.7	3 22	10 13.04	+ 9 39.0	1.996	2.903	9.8	20.7
4 1	10 6.36	+23 33.2	2.369	3.135	13.5	19.9	4 1	10 8.66	+10 27.3	2.072	2.901	13.1	20.9
<b>315238</b>	2007 RK <sub>275</sub>		2 25.4 108°34	6°2/18.8	18		<b>167186</b>	2003 SO <sub>288</sub>		2 25.4 69°71	2°2/23.8	18	
1 22	10 58.59	+21 6.6	1.839	2.679	13.2	20.7	1 22	10 58.09	+11 35.4	1.461	2.300	16.1	19.6
2 1	10 52.98	+23 24.0	1.795	2.704	9.9	20.6	2 1	10 52.86	+12 26.0	1.410	2.322	11.8	19.4
2 11	10 45.04	+25 41.7	1.779	2.728	7.1	20.5	2 11	10 45.04	+13 26.6	1.381	2.343	7.1	19.2
2 21	10 35.57	+27 48.0	1.792	2.751	6.2	20.4	2 21	10 35.58	+14 29.3	1.379	2.364	2.6	18.9
3 2	10 25.68	+29 32.3	1.835	2.773	8.1	20.6	3 2	10 25.75	+15 25.4	1.404	2.385	4.3	19.1
3 12	10 16.56	+30 48.5	1.905	2.795	11.0	20.8	3 12	10 16.90	+16 7.8	1.456	2.406	8.9	19.4
3 22	10 9.20	+31 35.2	1.999	2.816	13.8	21.0	3 22	10 10.07	+16 32.7	1.532	2.428	13.0	19.7
4 1	10 4.25	+31 54.6	2.112	2.836	16.2	21.3	4 1	10 5.92	+16 39.2	1.629	2.448	16.5	20.0
<b>11607</b>	1995 WX <sub>1</sub>		2 25.4 330°31	7°4/ 3.8	18		<b>5950</b>	Leukippos		2 25.4 163°17	1°4/26.8	18	
1 22	10 50.31	-13 41.8	2.114	2.836	15.7	17.8	1 22	10 54.91	+ 3 38.3	2.479	3.273	11.7	17.9
2 1	10 46.76	-14 13.6	2.016	2.826	13.5	17.7	2 1	10 49.71	+ 3 41.7	2.394	3.276	9.0	17.7
2 11	10 41.30	-14 22.2	1.938	2.817	11.0	17.5	2 11	10 42.86	+ 3 55.8	2.333	3.279	5.8	17.5
2 21	10 34.45	-14 5.9	1.882	2.807	8.7	17.3	2 21	10 34.89	+ 4 18.3	2.300	3.281	2.5	17.3
3 2	10 26.99	-13 25.4	1.853	2.798	7.5	17.2	3 2	10 26.53	+ 4 45.9	2.298	3.284	2.1	17.2
3 12	10 19.86	-12 24.7	1.850	2.790	8.1	17.2	3 12	10 18.57	+ 5 14.7	2.325	3.286	5.3	17.5
3 22	10 13.91	-11 10.3	1.872	2.782	10.2	17.3	3 22	10 11.73	+ 5 41.0	2.381	3.288	8.5	17.7
4 1	10 9.84	- 9 50.1	1.919	2.775	12.8	17.5	4 1	10 6.55	+ 6 1.7	2.462	3.289	11.3	17.8
<b>238600</b>	2005 AZ <sub>42</sub>		2 25.4 358°49	0°6/25.9	18		<b>376279</b>	2011 FT <sub>72</sub>		2 25.4 36°22	1°6/24.1	18	
1 22	10 51.43	+ 5 44.3	1.574										

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>300112</b>	2006 <i>UL</i> <sub>330</sub>		2 25.4 300°16	0°3/25.8	17		<b>473757</b>	2016 <i>EB</i> <sub>37</sub>		2 25.5 261°97	6°1/2.5	17	
1 22	10 49.82	+ 4 20.7	2.223	3.034	12.3	21.0	1 22	10 52.01	-10 48.3	1.964	2.707	16.1	21.5
2 1	10 46.24	+ 5 11.9	2.128	3.023	9.3	20.8	2 1	10 48.14	-10 49.3	1.868	2.700	13.5	21.3
2 11	10 40.90	+ 6 17.9	2.058	3.012	5.8	20.5	2 11	10 42.20	-10 25.0	1.791	2.692	10.5	21.1
2 21	10 34.33	+ 7 34.5	2.016	3.002	2.0	20.2	2 21	10 34.77	- 9 35.0	1.739	2.685	7.6	20.9
3 2	10 27.23	+ 8 55.8	2.004	2.991	2.1	20.2	3 2	10 26.70	- 8 21.7	1.713	2.677	6.1	20.8
3 12	10 20.47	+10 14.9	2.021	2.981	6.0	20.5	3 12	10 19.01	- 6 51.7	1.715	2.669	7.4	20.8
3 22	10 14.81	+11 25.8	2.066	2.971	9.7	20.7	3 22	10 12.61	- 5 13.2	1.743	2.661	10.3	21.0
4 1	10 10.88	+12 24.2	2.135	2.961	12.9	20.9	4 1	10 8.24	- 3 35.2	1.797	2.653	13.5	21.2
<b>239010</b>	2006 <i>DE</i> <sub>24</sub>		2 25.4 179°51	0°5/24.9	18		<b>299332</b>	2005 <i>QK</i> <sub>183</sub>		2 25.5 196°85	2°4/28.3	17	
1 22	10 56.22	+ 6 43.6	1.843	2.660	14.2	21.7	1 22	10 51.46	- 1 25.5	2.762	3.535	11.2	21.2
2 1	10 51.27	+ 7 40.9	1.762	2.662	10.6	21.4	2 1	10 47.07	- 1 17.2	2.668	3.533	8.8	21.1
2 11	10 44.09	+ 8 53.3	1.706	2.663	6.5	21.2	2 11	10 41.23	- 0 55.9	2.599	3.531	6.1	20.9
2 21	10 35.37	+10 14.6	1.677	2.663	1.9	20.9	2 21	10 34.41	- 0 23.1	2.557	3.529	3.4	20.7
3 2	10 25.99	+11 37.2	1.678	2.663	2.9	21.0	3 2	10 27.20	+ 0 18.2	2.545	3.527	2.6	20.6
3 12	10 17.18	+12 52.9	1.708	2.662	7.4	21.2	3 12	10 20.31	+ 1 4.1	2.564	3.524	4.8	20.8
3 22	10 9.89	+13 55.5	1.764	2.661	11.5	21.5	3 22	10 14.33	+ 1 50.4	2.610	3.522	7.6	21.0
4 1	10 4.83	+14 41.2	1.843	2.659	15.0	21.7	4 1	10 9.78	+ 2 33.1	2.683	3.519	10.2	21.1
<b>294071</b>	2007 <i>TK</i> <sub>177</sub>		2 25.5 349°47	2°1/27.4	17		<b>207793</b>	2007 <i>TN</i> <sub>163</sub>		2 25.5 108°03	0°7/24.7	18	
1 22	10 51.22	+ 1 8.7	1.971	2.774	14.0	20.8	1 22	10 54.02	+ 9 38.1	2.458	3.273	11.2	21.2
2 1	10 47.42	+ 1 23.8	1.885	2.771	10.8	20.6	2 1	10 49.01	+10 10.8	2.389	3.288	8.2	21.0
2 11	10 41.67	+ 1 55.2	1.823	2.769	7.2	20.3	2 11	10 42.40	+10 51.0	2.346	3.303	4.9	20.9
2 21	10 34.57	+ 2 40.4	1.787	2.766	3.4	20.1	2 21	10 34.76	+11 34.5	2.331	3.317	1.5	20.6
3 2	10 26.95	+ 3 34.6	1.778	2.764	2.6	20.0	3 2	10 26.83	+12 16.8	2.347	3.331	2.4	20.7
3 12	10 19.78	+ 4 31.7	1.798	2.763	6.2	20.3	3 12	10 19.38	+12 53.5	2.393	3.345	5.8	21.0
3 22	10 13.89	+ 5 25.5	1.845	2.762	9.9	20.5	3 22	10 13.09	+13 21.5	2.467	3.359	8.8	21.2
4 1	10 9.95	+ 6 11.2	1.915	2.761	13.3	20.7	4 1	10 8.46	+13 38.9	2.565	3.372	11.5	21.4
<b>11301</b>	1992 <i>XM</i>		2 25.5 118°54	4°0/29.8	18		<b>10345</b>	1992 <i>DC</i> <sub>11</sub>		2 25.5 36°68	0°2/25.3	18	
1 22	10 53.11	- 5 36.9	2.410	3.166	13.1	17.7	1 22	10 54.16	+ 6 8.6	1.204	2.048	18.5	18.3
2 1	10 48.42	- 5 40.5	2.327	3.176	10.6	17.5	2 1	10 50.51	+ 6 51.2	1.145	2.058	13.9	18.1
2 11	10 42.10	- 5 27.1	2.268	3.185	7.8	17.3	2 11	10 43.92	+ 7 53.8	1.107	2.068	8.5	17.8
2 21	10 34.67	- 4 57.8	2.234	3.194	5.1	17.2	2 21	10 35.33	+ 9 8.9	1.092	2.079	2.6	17.5
3 2	10 26.87	- 4 15.2	2.230	3.203	4.0	17.1	3 2	10 26.12	+10 26.2	1.103	2.090	3.4	17.5
3 12	10 19.47	- 3 24.0	2.255	3.212	5.7	17.3	3 12	10 17.86	+11 35.0	1.139	2.102	9.1	17.9
3 22	10 13.20	- 2 29.3	2.307	3.220	8.4	17.4	3 22	10 11.78	+12 27.4	1.198	2.115	14.1	18.2
4 1	10 8.58	- 1 36.4	2.385	3.228	11.1	17.6	4 1	10 8.67	+12 59.5	1.277	2.128	18.3	18.5
<b>523740</b>	2014 <i>TV</i> <sub>85</sub>		2 25.5 357°00	0°9/1.4	18		<b>190202</b>	2005 <i>YS</i> <sub>155</sub>		2 25.5 65°23	1°6/23.9	18	
1 22	10 37.15	- 5 4.7	13.943	14.676	2.6	21.4	1 22	10 52.44	+ 9 24.5	1.823	2.655	13.7	20.1
2 1	10 35.64	- 5 1.8	13.842	14.674	2.1	21.4	2 1	10 48.42	+10 35.0	1.753	2.662	10.1	19.9
2 11	10 33.92	- 4 56.2	13.767	14.673	1.6	21.3	2 11	10 42.32	+11 58.0	1.708	2.669	6.0	19.7
2 21	10 32.05	- 4 47.9	13.720	14.671	1.1	21.3	2 21	10 34.79	+13 26.4	1.690	2.676	2.1	19.4
3 2	10 30.14	- 4 37.6	13.703	14.670	0.9	21.3	3 2	10 26.78	+14 51.8	1.701	2.683	3.6	19.5
3 12	10 28.28	- 4 25.6	13.716	14.669	1.1	21.3	3 12	10 19.35	+16 6.3	1.741	2.690	7.7	19.8
3 22	10 26.55	- 4 12.8	13.758	14.667	1.6	21.3	3 22	10 13.38	+17 4.5	1.806	2.698	11.6	20.0
4 1	10 25.05	- 3 59.6	13.829	14.666	2.2	21.4	4 1	10 9.54	+17 43.8	1.893	2.705	14.8	20.3
<b>284129</b>	2005 <i>UO</i> <sub>382</sub>		2 25.5 115°84	0°8/24.6	18		<b>500419</b>	2012 <i>TF</i> <sub>131</sub>		2 25.5 152°85	2°0/23.0	17	
1 22	10 55.89	+ 8 35.4	2.200	3.014	12.3	21.6	1 22	10 54.12	+14 53.5	2.776	3.598	9.8	22.2
2 1	10 50.53	+ 9 25.6	2.136	3.034	9.1	21.5	2 1	10 48.98	+15 34.1	2.702	3.606	7.2	22.1
2 11	10 43.37	+10 25.5	2.097	3.054	5.4	21.3	2 11	10 42.35	+16 18.3	2.655	3.613	4.4	21.9
2 21	10 35.06	+11 29.7	2.087	3.073	1.7	21.0	2 21	10 34.75	+17 1.9	2.637	3.619	2.1	21.7
3 2	10 26.43	+12 32.4	2.107	3.091	2.6	21.2	3 2	10 26.84	+17 40.4	2.650	3.625	3.3	21.8
3 12	10 18.38	+13 27.7	2.157	3.109	6.3	21.4	3 12	10 19.34	+18 10.2	2.694	3.631	6.0	22.0
3 22	10 11.66	+14 11.8	2.235	3.126	9.7	21.7	3 22	10 12.88	+18 29.1	2.765	3.636	8.7	22.2
4 1	10 6.81	+14 42.4	2.337	3.142	12.5	21.9	4 1	10 7.94	+18 36.1	2.860	3.641	11.1	22.4
<b>28823</b>	Archibald		2 25.5 193°01	3°4/28.4	18		<b>125457</b>	2001 <i>WD</i> <sub>4</sub>		2 25.5 31°03	1°2/24.5	18	
1 22	10 56.03	- 2 1.4	2.067	2.845	14.3	19.3	1 22	10 52.02	+ 6 50.1	1.162	2.013	18.5	19.0
2 1	10 50.93	- 2 7.4	1.977	2.844	11.3	19.0	2 1	10 49.00	+ 8 1.2	1.105	2.022	13.8	18.7
2 11	10 43.80	- 1 56.6	1.910	2.842	8.0	18.8	2 11	10 43.04	+ 9 33.6	1.068	2.032	8.3	18.5
2 21	10 35.25	- 1 30.1	1.869	2.840	4.7	18.6	2 21	10 35.07	+11 17.8	1.056	2.043	2.5	18.1
3 2	10 26.13	- 0 51.1	1.857	2.838	3.6	18.6	3 2	10 26.46	+13 0.6	1.069	2.054	4.1	18.3
3 12	10 17.44	- 0 4.8	1.874	2.835	6.3	18.7	3 12	10 18.79	+14 29.5	1.106	2.066	9.8	18.6
3 22	10 10.07	+ 0 43.0	1.919	2.832	9.8	18.9	3 22	10 13.29	+15 36.1	1.166	2.079	14.8	18.9
4 1	10 4.71	+ 1 27.1	1.988	2.829	13.1	19.1	4 1	10 10.76	+16 16.9	1.246	2.092	18.9	19.2
<b>122865</b>	2000 <i>SX</i> <sub>135</sub>		2 25.5 245°65	7°0/2.2	18		<b>172878</b>	2005 <i>EP</i> <sub>175</sub>		2 25.5 171°13	1°0/26.4	18	
1 22	10 56.42	-10 51.7	1.914	2.650	16.7	20.0	1 22	10 56.86	+ 3 57.4	2.143	2.942	13.2	20.8
2 1	10 51.63	-11 17.0	1.807	2.634	14.1	19.8	2 1	10 51.43	+ 4 23.1	2.059	2.946	10.0	20.6
2 11	10 44.48	-11 18.4	1.720	2.617	11.2	19.6	2 11	10 44.05	+ 5 2.2	2.000	2.949	6.4	20.3
2 21	10 35.53	-10 53.9	1.657	2.599	8.4	19.3	2 21	10 35.33	+ 5 51.2	1.969	2.952	2.4	20.1
3 2	10 25.69	-10 4.3	1.621	2.580	7.0	19.2	3 2	10 26.12	+ 6 45.0	1.967	2.954	2.2	20.1
3 12	10 16.12	- 8 54.4	1.612	2.561	8.3	19.3	3 12	10 17.39	+ 7 37.8	1.996	2.956	6.1	20.3
3 22	10 7.89	- 7 31.9	1.630	2.541	11.4	19.4	3 22	10 9.98	+ 8 24.7	2.052	2.956	9.8	20.6
4 1	10 1.90	- 6 5.8	1.671	2.521	14.7	19.5	4 1	10 4.52	+ 9 1.7	2.133	2.956	13.0	20.8
<b>321688</b>	2010 <i>EM</i> <sub>104</sub>		2 25.5 284°16	3°3/22.8	18		<b>491660</b>	2012 <i>TK</i> <sub>292</sub>		2 25.5 11			



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>426697</b>	2013 <i>TP</i> <sub>29</sub>		2 25.5 235°19	0°6/26.1	17		<b>362253</b>	2009 <i>LW</i>		2 25.5 162°04	2°9/22.4	18	
1 22	10 52.93	+ 4 33.3	2.155	2.963	12.8	21.2	1 22	10 57.48	+16 19.5	2.465	3.288	10.9	21.5
2 1	10 48.57	+ 5 5.9	2.065	2.957	9.7	21.0	2 1	10 51.67	+17 15.8	2.393	3.296	8.0	21.3
2 11	10 42.35	+ 5 52.1	1.999	2.951	6.1	20.7	2 11	10 44.10	+18 15.8	2.347	3.303	5.0	21.2
2 21	10 34.81	+ 6 48.2	1.961	2.945	2.2	20.5	2 21	10 35.36	+19 13.6	2.331	3.310	2.9	21.0
3 2	10 26.75	+ 7 48.9	1.952	2.939	2.1	20.4	3 2	10 26.23	+20 3.8	2.346	3.315	4.2	21.1
3 12	10 19.08	+ 8 48.2	1.973	2.933	6.1	20.7	3 12	10 17.59	+20 41.7	2.391	3.320	7.2	21.3
3 22	10 12.62	+ 9 40.7	2.021	2.927	9.8	20.9	3 22	10 10.19	+21 5.1	2.463	3.324	10.0	21.5
4 1	10 8.01	+10 22.4	2.093	2.920	13.0	21.1	4 1	10 4.60	+21 13.4	2.559	3.328	12.6	21.7
<b>379890</b>	2012 <i>HE</i> <sub>68</sub>		2 25.5 15°25	14°2/10.4	18		<b>298305</b>	2003 <i>DO</i>		2 25.5 335°06	1°1/26.1	18	R
1 22	10 50.14	-25 38.4	1.169	1.873	26.9	20.3	1 22	10 58.00	+ 6 44.9	1.234	2.073	18.5	20.2
2 1	10 48.02	-26 5.0	1.094	1.874	24.3	20.1	2 1	10 53.63	+ 6 30.3	1.157	2.065	14.2	19.9
2 11	10 42.74	-25 39.3	1.030	1.875	21.1	19.9	2 11	10 46.06	+ 6 30.8	1.100	2.058	9.0	19.6
2 21	10 35.08	-24 13.0	0.981	1.876	17.8	19.7	2 21	10 36.12	+ 6 43.0	1.067	2.052	3.3	19.2
3 2	10 26.41	-21 44.3	0.952	1.878	15.1	19.5	3 2	10 25.22	+ 7 1.4	1.059	2.046	3.2	19.2
3 12	10 18.51	-18 23.2	0.944	1.881	14.3	19.5	3 12	10 15.07	+ 7 19.1	1.076	2.041	9.1	19.5
3 22	10 12.86	-14 30.2	0.959	1.883	15.9	19.5	3 22	10 7.15	+ 7 30.1	1.115	2.037	14.4	19.8
4 1	10 10.50	-10 30.5	0.996	1.886	19.0	19.7	4 1	10 2.46	+ 7 30.4	1.175	2.033	19.0	20.1
<b>365761</b>	Popovici		2 25.5 109°80	0°6/26.1	18		<b>288886</b>	2004 <i>RV</i> <sub>250</sub>		2 25.5 92°63	0°6/25.9	18	
1 22	10 55.64	+ 4 10.9	1.951	2.758	13.9	21.7	1 22	10 59.77	+ 5 0.8	1.595	2.410	16.2	21.5
2 1	10 50.57	+ 4 52.2	1.883	2.775	10.5	21.5	2 1	10 53.92	+ 5 30.6	1.539	2.435	12.2	21.3
2 11	10 43.51	+ 5 48.2	1.840	2.792	6.6	21.3	2 11	10 45.65	+ 6 15.9	1.505	2.459	7.5	21.1
2 21	10 35.15	+ 6 53.8	1.824	2.809	2.3	21.0	2 21	10 35.85	+ 7 11.3	1.498	2.483	2.6	20.8
3 2	10 26.41	+ 8 2.9	1.838	2.825	2.2	21.0	3 2	10 25.69	+ 8 9.6	1.519	2.506	2.6	20.9
3 12	10 18.29	+ 9 8.5	1.881	2.841	6.4	21.3	3 12	10 16.43	+ 9 3.5	1.569	2.529	7.3	21.2
3 22	10 11.63	+10 5.0	1.951	2.856	10.1	21.6	3 22	10 9.07	+ 9 47.2	1.644	2.552	11.5	21.5
4 1	10 7.02	+10 48.8	2.045	2.871	13.3	21.8	4 1	10 4.24	+10 17.4	1.743	2.573	15.1	21.8
<b>304540</b>	2006 <i>UF</i> <sub>283</sub>		2 25.5 257°20	6°7/17.6	17		<b>31474</b>	Advaitanand		2 25.5 342°09	2°9/23.3	18	
1 22	10 57.56	+31 4.5	2.543	3.370	10.5	21.0	1 22	10 54.34	+11 50.3	1.299	2.152	16.9	18.0
2 1	10 51.94	+32 6.1	2.469	3.357	8.5	20.9	2 1	10 50.72	+12 53.3	1.229	2.148	12.5	17.8
2 11	10 44.36	+33 1.5	2.421	3.344	7.0	20.8	2 11	10 44.17	+14 10.5	1.181	2.145	7.6	17.5
2 21	10 35.44	+33 43.9	2.400	3.331	6.7	20.7	2 21	10 35.50	+15 32.8	1.157	2.141	3.2	17.2
3 2	10 26.03	+34 7.8	2.407	3.318	7.9	20.8	3 2	10 26.03	+16 48.9	1.158	2.139	5.3	17.3
3 12	10 17.12	+34 10.2	2.441	3.304	10.0	20.9	3 12	10 17.32	+17 48.6	1.185	2.136	10.4	17.6
3 22	10 9.55	+33 51.2	2.499	3.290	12.1	21.0	3 22	10 10.67	+18 26.1	1.235	2.135	15.2	17.8
4 1	10 3.95	+33 12.7	2.578	3.276	14.1	21.1	4 1	10 6.98	+18 39.3	1.304	2.133	19.2	18.1
<b>2244</b>	Tesla		2 25.5 88°57	3°0/22.5	18		<b>506000</b>	2015 <i>GA</i> <sub>48</sub>		2 25.5 201°67	3°9/20.8	18	
1 22	10 55.06	+14 44.2	2.000	2.835	12.6	16.4	1 22	10 53.07	+20 14.8	2.552	3.387	10.2	20.5
2 1	10 50.12	+15 50.6	1.943	2.853	9.2	16.2	2 1	10 48.45	+21 16.6	2.478	3.386	7.6	20.4
2 11	10 43.22	+17 2.4	1.912	2.871	5.6	16.0	2 11	10 42.17	+22 19.6	2.431	3.384	5.1	20.2
2 21	10 35.05	+18 12.8	1.908	2.889	3.0	15.9	2 21	10 34.77	+23 18.2	2.412	3.382	3.9	20.1
3 2	10 26.55	+19 14.5	1.934	2.907	4.6	16.0	3 2	10 26.97	+24 6.7	2.423	3.380	5.2	20.2
3 12	10 18.71	+20 2.1	1.988	2.924	7.9	16.3	3 12	10 19.59	+24 40.9	2.463	3.377	7.7	20.4
3 22	10 12.33	+20 32.7	2.069	2.942	11.2	16.5	3 22	10 13.32	+24 59.0	2.528	3.375	10.3	20.5
4 1	10 7.99	+20 45.6	2.171	2.959	13.9	16.7	4 1	10 8.72	+25 0.7	2.616	3.372	12.6	20.7
<b>226330</b>	2003 <i>EA</i> <sub>49</sub>		2 25.5 254°36	1°7/23.9	18		<b>204512</b>	2005 <i>EF</i> <sub>1</sub>		2 25.5 279°65	0°1/25.4	18	
1 22	10 55.22	+11 36.0	2.056	2.883	12.6	20.6	1 22	10 51.98	+ 6 17.1	2.107	2.924	12.7	20.6
2 1	10 50.47	+12 20.3	1.963	2.868	9.4	20.4	2 1	10 47.94	+ 6 57.9	2.019	2.917	9.6	20.4
2 11	10 43.62	+13 13.9	1.894	2.853	5.7	20.1	2 11	10 42.01	+ 7 51.6	1.955	2.911	5.9	20.1
2 21	10 35.25	+14 11.4	1.853	2.838	2.1	19.9	2 21	10 34.75	+ 8 54.0	1.919	2.905	1.9	19.9
3 2	10 26.23	+15 6.3	1.842	2.823	3.5	19.9	3 2	10 26.98	+ 9 59.1	1.912	2.899	2.3	19.9
3 12	10 17.59	+15 52.6	1.859	2.807	7.5	20.1	3 12	10 19.60	+11 0.6	1.934	2.893	6.4	20.1
3 22	10 10.26	+16 25.7	1.903	2.791	11.3	20.3	3 22	10 13.45	+11 53.1	1.983	2.886	10.1	20.3
4 1	10 4.98	+16 43.5	1.970	2.775	14.6	20.5	4 1	10 9.15	+12 33.0	2.056	2.880	13.3	20.5
<b>5370</b>	Taranis		2 25.5 174°15	1°4/28.3	16		<b>306435</b>	1998 <i>SP</i> <sub>142</sub>		2 25.5 70°07	1°0/26.3	17	
1 22	10 49.44	- 1 19.3	4.674	5.428	7.2	22.6	1 22	10 57.64	+ 2 20.1	1.301	2.123	18.7	20.7
2 1	10 45.01	- 0 52.4	4.577	5.432	5.6	22.5	2 1	10 52.71	+ 3 13.7	1.252	2.152	14.1	20.5
2 11	10 39.75	- 0 17.4	4.506	5.435	3.8	22.4	2 11	10 45.06	+ 4 29.8	1.225	2.179	8.8	20.2
2 21	10 33.93	+ 0 24.4	4.466	5.438	2.1	22.3	2 21	10 35.69	+ 6 0.8	1.223	2.207	3.2	20.0
3 2	10 27.92	+ 1 10.8	4.458	5.440	1.5	22.2	3 2	10 25.95	+ 7 36.2	1.248	2.235	2.9	20.0
3 12	10 22.09	+ 1 59.5	4.482	5.441	3.0	22.3	3 12	10 17.29	+ 9 4.8	1.299	2.262	8.1	20.4
3 22	10 16.79	+ 2 47.7	4.538	5.442	4.8	22.5	3 22	10 10.78	+10 18.4	1.375	2.290	12.8	20.7
4 1	10 12.31	+ 3 33.3	4.622	5.442	6.5	22.6	4 1	10 7.09	+11 12.3	1.472	2.316	16.7	21.1
<b>153093</b>	2000 <i>RP</i> <sub>76</sub>		2 25.5 139°21	0°9/24.7	18		<b>240491</b>	2004 <i>CE</i> <sub>51</sub>		2 25.5 359°92	4°7/29.4	18	
1 22	10 58.22	+10 39.8	2.128	2.945	12.6	20.4	1 22	10 53.15	- 4 14.8	1.933	2.710	15.2	19.6
2 1	10 52.39	+10 59.8	2.053	2.953	9.3	20.2	2 1	10 48.93	- 4 39.3	1.847	2.709	12.3	19.4
2 11	10 44.60	+11 27.2	2.004	2.962	5.6	20.0	2 11	10 42.67	- 4 45.3	1.784	2.708	9.0	19.2
2 21	10 35.51	+11 57.6	1.984	2.970	1.8	19.8	2 21	10 34.98	- 4 33.0	1.745	2.708	5.9	19.0
3 2	10 26.02	+12 26.3	1.993	2.977	2.7	19.9	3 2	10 26.72	- 4 4.7	1.733	2.708	4.7	19.0
3 12	10 17.11	+12 48.6	2.032	2.984	6.6	20.1	3 12	10 18.92	- 3 25.3	1.749	2.709	6.8	19.1
3 22	10 9.61	+13 1.7	2.098	2.991	10.1	20.3	3 22	10 12.46	- 2 40.7	1.792	2.710	10.1	19.3
4 1	10 4.13	+13 4.0	2.188	2.997	13.1	20.6	4 1	10 8.05	- 1 56.9	1.857	2.711	13.3	19.5
<b>1604</b>	Tombaugh		2 25.5 168°19	1°9/27.4	18		<b>310939</b>	2003 <i>SY</i> <sub>358</sub>		2 25.5 25°59	2°4/27.3	18	
1 22	10 54.52	+ 1 37.0	2.536										

EPHEMERIDES

2 25.5

2 25.5

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>318274</b>	2004 TR <sub>6</sub>		2 25.5 219°43	1.7/23.6	17		<b>126950</b>	2002 FR <sub>6</sub>		2 25.5 266°14	1.7/23.9	18	
1 22	10 54.97	+11 57.4	2.524	3.342	10.8	21.4	1 22	10 56.14	+12 28.4	2.137	2.961	12.2	20.0
2 1	10 49.91	+12 49.0	2.430	3.332	8.0	21.2	2 1	10 51.13	+12 59.4	2.039	2.944	9.1	19.8
2 11	10 43.12	+13 48.0	2.363	3.321	4.8	21.0	2 11	10 44.04	+13 37.9	1.966	2.925	5.6	19.5
2 21	10 35.10	+14 49.8	2.324	3.309	1.9	20.8	2 21	10 35.45	+14 18.9	1.922	2.907	2.1	19.3
3 2	10 26.57	+15 48.7	2.317	3.296	3.2	20.8	3 2	10 26.20	+14 57.0	1.907	2.888	3.4	19.3
3 12	10 18.37	+16 39.7	2.340	3.283	6.5	21.0	3 12	10 17.31	+15 26.8	1.921	2.869	7.3	19.5
3 22	10 11.23	+17 19.1	2.391	3.269	9.7	21.2	3 22	10 9.69	+15 44.9	1.962	2.849	11.0	19.7
4 1	10 5.76	+17 44.7	2.466	3.255	12.4	21.4	4 1	10 4.08	+15 49.2	2.025	2.830	14.2	19.9
<b>472559</b>	2015 DO <sub>52</sub>		2 25.5 193°33	3°8/21.1	17		<b>498153</b>	2007 TT <sub>112</sub>		2 25.5 181°95	2°9/22.5	17	
1 22	10 53.39	+18 58.5	2.418	3.254	10.6	21.6	1 22	10 56.15	+17 36.6	2.442	3.271	10.8	22.0
2 1	10 48.78	+20 6.5	2.344	3.253	7.9	21.4	2 1	10 50.75	+18 13.8	2.365	3.271	8.0	21.8
2 11	10 42.42	+21 17.1	2.296	3.251	5.2	21.2	2 11	10 43.58	+18 53.2	2.315	3.271	5.1	21.6
2 21	10 34.87	+22 23.9	2.278	3.250	3.8	21.1	2 21	10 35.25	+19 29.8	2.293	3.271	3.0	21.5
3 2	10 26.89	+23 21.0	2.288	3.248	5.2	21.2	3 2	10 26.51	+19 58.7	2.301	3.271	4.3	21.6
3 12	10 19.34	+24 3.4	2.328	3.246	7.9	21.4	3 12	10 18.25	+20 16.0	2.338	3.270	7.2	21.7
3 22	10 12.96	+24 28.9	2.393	3.244	10.7	21.5	3 22	10 11.22	+20 20.1	2.402	3.269	10.1	21.9
4 1	10 8.33	+24 37.1	2.481	3.242	13.1	21.7	4 1	10 5.97	+20 10.5	2.490	3.268	12.6	22.1
<b>246337</b>	2007 TG <sub>245</sub>		2 25.5 81°54	2°2/27.5	18		<b>302039</b>	2000 SF <sub>291</sub>		2 25.5 115°37	1°4/24.4	18	
1 22	10 55.02	+ 1 30.2	2.231	3.021	13.0	20.2	1 22	11 1.66	+11 26.8	1.727	2.551	14.7	20.8
2 1	10 49.94	+ 1 25.1	2.155	3.033	10.0	20.0	2 1	10 55.28	+11 52.2	1.664	2.568	10.9	20.6
2 11	10 43.08	+ 1 33.0	2.103	3.044	6.7	19.8	2 11	10 46.51	+12 25.8	1.625	2.583	6.6	20.4
2 21	10 35.06	+ 1 51.8	2.078	3.056	3.4	19.6	2 21	10 36.17	+13 1.9	1.613	2.599	2.2	20.2
3 2	10 26.67	+ 2 18.2	2.083	3.068	2.6	19.6	3 2	10 25.43	+13 34.1	1.631	2.614	3.4	20.3
3 12	10 18.78	+ 2 48.1	2.117	3.079	5.6	19.8	3 12	10 15.52	+13 57.1	1.677	2.628	7.8	20.6
3 22	10 12.14	+ 3 17.0	2.179	3.091	8.9	20.0	3 22	10 7.46	+14 7.9	1.749	2.642	11.8	20.8
4 1	10 7.31	+ 3 41.2	2.265	3.102	11.8	20.3	4 1	10 1.90	+14 5.3	1.843	2.655	15.1	21.1
<b>417614</b>	2006 WP <sub>50</sub>		2 25.5 199°11	7°4/17.5	18		<b>250111</b>	2002 JB <sub>144</sub>		2 25.5 298°94	4°4/28.9	16	
1 22	10 58.69	+28 39.9	2.086	2.922	12.1	21.0	1 22	10 54.07	- 3 23.3	1.543	2.338	17.6	21.0
2 1	10 53.15	+30 15.1	2.023	2.919	9.7	20.8	2 1	10 50.17	- 3 26.2	1.456	2.331	14.1	20.8
2 11	10 45.29	+31 45.6	1.985	2.916	7.8	20.7	2 11	10 43.72	- 3 5.0	1.389	2.324	10.1	20.5
2 21	10 35.80	+33 2.1	1.974	2.912	7.5	20.6	2 21	10 35.40	- 2 20.7	1.347	2.318	6.0	20.2
3 2	10 25.73	+33 56.9	1.992	2.907	9.0	20.7	3 2	10 26.26	- 1 17.6	1.330	2.311	4.6	20.1
3 12	10 16.27	+34 25.3	2.035	2.902	11.4	20.9	3 12	10 17.63	- 0 3.6	1.340	2.305	7.7	20.3
3 22	10 8.42	+34 27.1	2.101	2.897	14.0	21.0	3 22	10 10.68	+ 1 12.0	1.375	2.299	12.1	20.5
4 1	10 2.91	+34 5.0	2.187	2.891	16.2	21.2	4 1	10 6.27	+ 2 20.8	1.432	2.293	16.1	20.8
<b>18643</b>	van Ryselberghe		2 25.5 165°27	4°3/21.6	18		<b>178891</b>	2001 OU <sub>40</sub>		2 25.5 136°75	4°1/20.6	18	
1 22	10 58.44	+20 22.4	2.114	2.948	12.0	18.0	1 22	10 54.37	+21 12.4	2.532	3.366	10.3	20.5
2 1	10 52.69	+21 10.5	2.044	2.951	9.0	17.8	2 1	10 49.38	+22 16.3	2.468	3.374	7.7	20.4
2 11	10 44.86	+21 59.2	2.000	2.953	6.0	17.6	2 11	10 42.72	+23 20.3	2.431	3.382	5.3	20.2
2 21	10 35.64	+22 41.9	1.983	2.955	4.3	17.5	2 21	10 34.97	+24 18.4	2.423	3.390	4.1	20.1
3 2	10 25.98	+23 12.4	1.996	2.957	5.7	17.6	3 2	10 26.88	+25 5.2	2.444	3.397	5.4	20.2
3 12	10 16.93	+23 26.7	2.037	2.959	8.7	17.8	3 12	10 19.26	+25 36.7	2.494	3.404	7.8	20.4
3 22	10 9.38	+23 23.5	2.104	2.960	11.7	18.0	3 22	10 12.83	+25 51.5	2.570	3.411	10.4	20.6
4 1	10 3.97	+23 3.6	2.193	2.961	14.4	18.2	4 1	10 8.12	+25 49.9	2.668	3.417	12.6	20.7
<b>276512</b>	2003 QJ <sub>99</sub>		2 25.5 354°26	4°1/29.7	17		<b>410347</b>	2007 UA <sub>120</sub>		2 25.5 220°64	1°6/26.9	17	
1 22	10 51.34	- 5 45.8	2.009	2.779	14.9	21.3	1 22	10 56.88	+ 1 44.1	2.043	2.836	13.9	23.0
2 1	10 47.52	- 5 29.3	1.921	2.779	12.0	21.1	2 1	10 51.73	+ 2 9.9	1.944	2.825	10.8	22.8
2 11	10 41.79	- 4 50.9	1.855	2.779	8.7	20.9	2 11	10 44.44	+ 2 52.4	1.869	2.814	7.1	22.5
2 21	10 34.70	- 3 52.2	1.814	2.779	5.5	20.7	2 21	10 35.59	+ 3 48.5	1.821	2.802	3.1	22.3
3 2	10 27.09	- 2 37.4	1.800	2.778	4.1	20.6	3 2	10 26.05	+ 4 53.2	1.803	2.789	2.4	22.2
3 12	10 19.91	- 1 13.3	1.816	2.778	6.3	20.7	3 12	10 16.86	+ 5 59.8	1.814	2.776	6.4	22.4
3 22	10 14.00	+ 0 12.4	1.858	2.778	9.7	20.9	3 22	10 8.98	+ 7 1.9	1.853	2.761	10.4	22.6
4 1	10 10.00	+ 1 32.5	1.926	2.778	12.9	21.1	4 1	10 3.16	+ 7 54.4	1.917	2.746	14.0	22.8
<b>166232</b>	2002 FR <sub>21</sub>		2 25.5 359°07	1°1/24.8	18		<b>500614</b>	2012 UK <sub>145</sub>		2 25.5 152°45	0°1/25.5	17	
1 22	10 54.69	+ 9 37.0	1.197	2.049	18.1	19.6	1 22	10 52.07	+ 6 24.6	2.664	3.469	10.7	22.3
2 1	10 51.12	+ 9 57.9	1.129	2.047	13.6	19.3	2 1	10 47.56	+ 7 2.2	2.582	3.475	8.0	22.1
2 11	10 44.48	+10 33.4	1.082	2.045	8.3	19.0	2 11	10 41.58	+ 7 49.4	2.527	3.480	4.9	21.9
2 21	10 35.63	+11 17.1	1.057	2.044	2.5	18.6	2 21	10 34.62	+ 8 42.6	2.500	3.485	1.6	21.7
3 2	10 25.99	+12 0.3	1.058	2.044	3.9	18.7	3 2	10 27.31	+ 9 37.5	2.504	3.490	1.9	21.7
3 12	10 17.20	+12 34.4	1.083	2.045	9.6	19.1	3 12	10 20.37	+10 29.3	2.538	3.494	5.2	22.0
3 22	10 10.63	+12 53.4	1.131	2.047	14.8	19.3	3 22	10 14.42	+11 14.2	2.600	3.498	8.2	22.2
4 1	10 7.16	+12 54.7	1.197	2.050	19.1	19.6	4 1	10 9.96	+11 49.5	2.688	3.502	10.8	22.3
<b>168045</b>	2005 YX <sub>214</sub>		2 25.5 236°89	10°8/21.1	18		<b>200226</b>	1999 UO <sub>18</sub>		2 25.5 230°68	2°3/23.2	17	
1 22	11 17.82	+31 42.1	1.188	2.024	19.3	19.1	1 22	10 55.28	+13 50.3	2.194	3.023	11.8	21.2
2 1	11 8.94	+32 20.6	1.126	2.021	15.7	18.8	2 1	10 50.36	+14 35.6	2.108	3.015	8.8	21.0
2 11	10 55.56	+32 44.1	1.084	2.018	12.3	18.6	2 11	10 43.50	+15 27.4	2.048	3.007	5.4	20.8
2 21	10 39.10	+32 37.6	1.066	2.015	10.8	18.5	2 21	10 35.26	+16 20.2	2.015	2.999	2.4	20.6
3 2	10 21.89	+31 51.3	1.072	2.012	12.3	18.6	3 2	10 26.50	+17 8.1	2.013	2.990	3.9	20.7
3 12	10 6.51	+30 24.8	1.103	2.009	15.8	18.8	3 12	10 18.15	+17 45.6	2.039	2.981	7.4	20.9
3 22	9 54.80	+28 26.6	1.156	2.005	19.7	19.0	3 22	10 11.08	+18 9.6	2.092	2.972	10.8	21.0
4 1	9 47.62	+26 7.9	1.227	2.002	23.2	19.3	4 1	10 5.94	+18 18.6	2.168	2.962	13.7	21.2
<b>6761</b>	Haroldconnolly		2 25.5 95°11	1°0/26.6	18		<b>372696</b>	2009 WM <sub>209</sub>		2 25.5 104°88	1°9/27.2	18	
1 22	10 52.33	+ 3 20.3	2.426	3.22									

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>430609</b>	2002 <i>WP</i> <sub>1</sub>		2 25.5	33°48	1.3°/24.5	18	<b>104720</b>	2000 <i>GA</i> <sub>175</sub>		2 25.5	235°33	1.1°/24.6	18
1 22	10 53.20	+ 9 30.6	1.526	2.367	15.5	20.5	1 22	10 55.72	+ 9 42.4	1.839	2.665	13.8	19.9
2 1	10 49.12	+10 15.4	1.480	2.392	11.4	20.3	2 1	10 51.00	+10 19.9	1.756	2.661	10.3	19.7
2 11	10 42.76	+11 11.5	1.457	2.419	6.8	20.1	2 11	10 44.03	+11 8.5	1.697	2.656	6.3	19.5
2 21	10 35.00	+12 12.0	1.460	2.446	2.1	19.9	2 21	10 35.48	+12 2.8	1.666	2.652	2.0	19.2
3 2	10 26.94	+13 8.9	1.490	2.474	3.4	20.1	3 2	10 26.32	+12 56.2	1.663	2.647	3.2	19.2
3 12	10 19.76	+13 55.5	1.547	2.503	7.9	20.4	3 12	10 17.67	+13 41.9	1.688	2.642	7.6	19.5
3 22	10 14.35	+14 27.3	1.628	2.532	11.8	20.7	3 22	10 10.52	+14 15.3	1.739	2.636	11.6	19.7
4 1	10 11.29	+14 42.6	1.731	2.562	15.1	21.0	4 1	10 5.61	+14 33.9	1.812	2.631	15.1	19.9
<b>211568</b>	2003 <i>SS</i> <sub>129</sub>		2 25.5	100°73	1.8°/24.0	18	<b>298672</b>	2004 <i>CW</i> <sub>100</sub>		2 25.5	327°32	4.0°/22.8	17
1 22	10 59.61	+11 37.3	1.727	2.555	14.6	21.1	1 22	11 0.16	+20 6.4	1.828	2.665	13.5	19.8
2 1	10 53.73	+12 21.2	1.669	2.575	10.7	20.9	2 1	10 54.42	+20 15.8	1.742	2.650	10.2	19.6
2 11	10 45.54	+13 13.7	1.636	2.596	6.4	20.7	2 11	10 46.17	+20 24.5	1.679	2.636	6.6	19.3
2 21	10 35.87	+14 8.1	1.630	2.615	2.3	20.5	2 21	10 36.16	+20 26.5	1.644	2.621	4.1	19.1
3 2	10 25.85	+14 57.3	1.653	2.635	3.8	20.6	3 2	10 25.49	+20 16.4	1.637	2.608	5.5	19.2
3 12	10 16.66	+15 35.1	1.705	2.654	7.9	20.9	3 12	10 15.44	+19 51.0	1.657	2.595	9.1	19.4
3 22	10 9.25	+15 58.3	1.782	2.672	11.8	21.2	3 22	10 7.11	+19 9.6	1.703	2.582	12.8	19.6
4 1	10 4.26	+16 5.7	1.881	2.690	15.0	21.5	4 1	10 1.28	+18 13.9	1.771	2.571	16.2	19.8
<b>423579</b>	2005 <i>VZ</i> <sub>75</sub>		2 25.5	97°35	3.4°/22.0	18	<b>334491</b>	2002 <i>QH</i> <sub>60</sub>		2 25.5	173°34	1.9°/27.7	17
1 22	10 58.41	+16 59.3	2.138	2.967	12.1	22.2	1 22	10 53.39	+ 0 16.2	2.807	3.583	11.0	22.3
2 1	10 52.43	+18 7.0	2.091	2.997	8.9	22.1	2 1	10 48.50	+ 0 31.8	2.717	3.586	8.5	22.1
2 11	10 44.56	+19 17.2	2.069	3.026	5.6	21.9	2 11	10 42.16	+ 0 59.4	2.651	3.589	5.7	21.9
2 21	10 35.54	+20 23.0	2.077	3.054	3.5	21.8	2 21	10 34.83	+ 1 37.1	2.615	3.591	2.9	21.8
3 2	10 26.27	+21 17.9	2.115	3.081	4.9	22.0	3 2	10 27.15	+ 2 21.7	2.608	3.593	2.2	21.7
3 12	10 17.74	+21 57.3	2.181	3.108	7.9	22.2	3 12	10 19.80	+ 3 9.0	2.633	3.594	4.7	21.9
3 22	10 10.70	+22 19.6	2.275	3.134	10.8	22.4	3 22	10 13.38	+ 3 55.1	2.686	3.594	7.6	22.1
4 1	10 5.69	+22 24.9	2.390	3.160	13.3	22.7	4 1	10 8.41	+ 4 36.2	2.766	3.594	10.2	22.2
<b>108785</b>	2001 <i>OD</i> <sub>63</sub>		2 25.5	175°93	0.2°/25.3	18	<b>463223</b>	2012 <i>DG</i> <sub>58</sub>		2 25.5	11°66	3.3°/23.4	18
1 22	10 55.27	+ 6 32.0	2.415	3.219	11.7	21.2	1 22	10 59.79	+16 22.3	1.536	2.379	15.3	21.0
2 1	10 50.11	+ 7 17.3	2.330	3.222	8.7	21.0	2 1	10 54.35	+16 42.7	1.467	2.379	11.4	20.7
2 11	10 43.23	+ 8 13.6	2.271	3.225	5.4	20.8	2 11	10 46.18	+17 7.1	1.420	2.381	7.1	20.5
2 21	10 35.16	+ 9 16.7	2.241	3.226	1.7	20.5	2 21	10 36.16	+17 28.7	1.400	2.382	3.5	20.3
3 2	10 26.67	+10 21.3	2.241	3.227	2.2	20.5	3 2	10 25.56	+17 40.9	1.407	2.384	5.1	20.4
3 12	10 18.57	+11 21.8	2.273	3.227	5.8	20.8	3 12	10 15.79	+17 38.7	1.440	2.387	9.4	20.6
3 22	10 11.61	+12 13.7	2.332	3.227	9.2	21.0	3 22	10 8.01	+17 20.6	1.498	2.390	13.5	20.9
4 1	10 6.38	+12 53.9	2.417	3.225	12.1	21.2	4 1	10 3.00	+16 47.0	1.577	2.393	17.1	21.1
<b>383404</b>	2006 <i>UL</i> <sub>27</sub>		2 25.5	173°23	4.7°/ 2.3	17	<b>18598</b>	1998 <i>BH</i> <sub>8</sub>		2 25.5	236°44	3.0°/22.4	18
1 22	10 50.65	- 9 47.8	2.586	3.319	12.9	21.1	1 22	10 53.96	+14 9.0	2.081	2.914	12.2	17.9
2 1	10 46.64	- 9 42.3	2.492	3.319	10.7	21.0	2 1	10 49.54	+15 23.4	1.996	2.906	9.0	17.7
2 11	10 41.09	- 9 17.7	2.421	3.320	8.2	20.8	2 11	10 43.09	+16 46.1	1.937	2.897	5.6	17.5
2 21	10 34.49	- 8 34.7	2.375	3.321	5.9	20.6	2 21	10 35.19	+18 10.2	1.906	2.887	3.0	17.3
3 2	10 27.49	- 7 35.7	2.357	3.321	4.7	20.6	3 2	10 26.69	+19 28.0	1.905	2.878	4.7	17.4
3 12	10 20.82	- 6 25.4	2.369	3.321	5.8	20.6	3 12	10 18.60	+20 32.4	1.933	2.868	8.2	17.6
3 22	10 15.12	- 5 9.5	2.408	3.322	8.1	20.8	3 22	10 11.81	+21 19.2	1.986	2.857	11.7	17.8
4 1	10 10.94	- 3 53.9	2.474	3.322	10.6	20.9	4 1	10 7.02	+21 46.7	2.062	2.847	14.7	18.0
<b>409977</b>	2006 <i>VQ</i> <sub>86</sub>		2 25.5	78°75	0.8°/26.1	18	<b>345687</b>	2006 <i>UV</i> <sub>149</sub>		2 25.5	147°93	5.3°/17.6	17
1 22	10 59.47	+ 5 56.4	1.693	2.507	15.4	20.5	1 22	10 54.93	+29 34.4	3.163	3.987	8.7	21.5
2 1	10 53.64	+ 6 1.0	1.632	2.527	11.6	20.3	2 1	10 49.59	+30 46.2	3.109	3.998	6.9	21.4
2 11	10 45.50	+ 6 18.5	1.594	2.547	7.3	20.1	2 11	10 42.78	+31 53.0	3.083	4.008	5.6	21.3
2 21	10 35.88	+ 6 44.9	1.583	2.567	2.6	19.8	2 21	10 35.02	+32 49.4	3.086	4.017	5.4	21.3
3 2	10 25.89	+ 7 15.1	1.600	2.587	2.5	19.9	3 2	10 26.96	+33 31.3	3.118	4.027	6.4	21.4
3 12	10 16.72	+ 7 43.3	1.645	2.607	7.0	20.2	3 12	10 19.33	+33 55.9	3.178	4.035	8.0	21.5
3 22	10 9.33	+ 8 5.1	1.717	2.626	11.0	20.5	3 22	10 12.73	+34 3.0	3.263	4.043	9.8	21.6
4 1	10 4.36	+ 8 17.4	1.812	2.645	14.5	20.7	4 1	10 7.64	+33 53.7	3.370	4.051	11.4	21.8
<b>468900</b>	2013 <i>YD</i> <sub>113</sub>		2 25.5	133°18	4.9°/19.1	17	<b>505192</b>	2012 <i>TP</i> <sub>136</sub>		2 25.5	251°39	4.0°/29.7	17
1 22	10 53.27	+23 16.9	2.550	3.386	10.1	21.5	1 22	10 51.83	- 5 37.9	2.314	3.075	13.4	21.4
2 1	10 48.63	+24 44.6	2.490	3.394	7.7	21.4	2 1	10 47.72	- 5 33.9	2.217	3.069	10.9	21.2
2 11	10 42.32	+26 11.4	2.457	3.402	5.6	21.3	2 11	10 41.87	- 5 11.6	2.143	3.063	8.0	21.0
2 21	10 34.88	+27 30.6	2.453	3.410	4.9	21.2	2 21	10 34.79	- 4 31.8	2.095	3.056	5.2	20.9
3 2	10 27.06	+28 36.0	2.479	3.418	6.3	21.3	3 2	10 27.20	- 3 37.5	2.075	3.050	4.0	20.8
3 12	10 19.70	+29 23.2	2.534	3.425	8.5	21.5	3 12	10 19.95	- 2 33.8	2.084	3.044	5.9	20.9
3 22	10 13.50	+29 50.9	2.613	3.432	10.9	21.6	3 22	10 13.78	- 1 26.6	2.121	3.037	8.9	21.0
4 1	10 9.00	+29 59.4	2.714	3.439	12.9	21.8	4 1	10 9.31	- 0 21.9	2.183	3.030	11.8	21.2
<b>228606</b>	2002 <i>BU</i> <sub>2</sub>		2 25.5	31°46	2.1°/24.2	18	<b>500004</b>	2011 <i>QE</i> <sub>4</sub>		2 25.5	63°79	3.8°/29.4	17
1 22	10 59.99	+14 9.5	1.578	2.415	15.2	19.7	1 22	10 52.09	- 4 26.7	2.322	3.088	13.2	21.0
2 1	10 54.32	+14 14.3	1.512	2.422	11.3	19.5	2 1	10 47.82	- 4 29.8	2.236	3.092	10.6	20.9
2 11	10 46.06	+14 24.3	1.469	2.430	6.9	19.3	2 11	10 41.87	- 4 16.0	2.174	3.097	7.7	20.7
2 21	10 36.09	+14 34.1	1.452	2.437	2.6	19.0	2 21	10 34.78	- 3 46.6	2.137	3.101	4.9	20.5
3 2	10 25.63	+14 38.2	1.463	2.446	4.0	19.1	3 2	10 27.26	- 3 4.2	2.129	3.106	3.8	20.5
3 12	10 16.03	+14 32.3	1.502	2.454	8.4	19.4	3 12	10 20.13	- 2 13.7	2.151	3.110	5.7	20.6
3 22	10 8.39	+14 14.6	1.565	2.463	12.6	19.7	3 22	10 14.13	- 1 20.4	2.199	3.115	8.6	20.8
4 1	10 3.40	+13 44.8	1.650	2.473	16.1	19.9	4 1	10 9.81	- 0 29.4	2.273	3.119	11.4	21.0
<b>496794</b>	2017 <i>HG</i> <sub>41</sub>		2 25.5	230°79	0.6°/25.9	17	<b>288682</b>	2004 <i>PX</i> <sub>95</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>100927</b>	1998 <i>MN</i> <sub>1</sub>		2 25.5 216°26	0°5/26.1	18		<b>417728</b>	2007 <i>CS</i> <sub>41</sub>		2 25.5 21°90	0°6/25.9	18	
1 22	10 51.37	+ 4 58.1	2.804	3.603	10.4	20.6	1 22	10 54.61	+ 6 54.6	1.272	2.114	17.8	20.1
2 1	10 47.07	+ 5 28.8	2.710	3.598	7.8	20.4	2 1	10 50.74	+ 6 58.0	1.213	2.124	13.4	19.8
2 11	10 41.32	+ 6 9.6	2.641	3.592	4.9	20.2	2 11	10 44.08	+ 7 17.0	1.176	2.135	8.3	19.6
2 21	10 34.60	+ 6 57.6	2.602	3.586	1.8	20.0	2 21	10 35.55	+ 7 46.7	1.162	2.148	2.8	19.3
3 2	10 27.49	+ 7 48.9	2.593	3.580	1.7	20.0	3 2	10 26.47	+ 8 20.3	1.173	2.161	2.9	19.3
3 12	10 20.66	+ 8 39.1	2.614	3.573	4.9	20.2	3 12	10 18.33	+ 8 50.4	1.210	2.176	8.3	19.7
3 22	10 14.74	+ 9 24.3	2.664	3.566	7.9	20.3	3 22	10 12.28	+ 9 11.2	1.270	2.191	13.1	20.0
4 1	10 10.21	+10 1.6	2.740	3.559	10.5	20.5	4 1	10 9.05	+ 9 19.4	1.351	2.208	17.1	20.3
<b>305692</b>	2009 <i>BT</i> <sub>130</sub>		2 25.5 238°76	2°4/22.9	17		<b>27574</b>	2000 <i>RT</i> <sub>16</sub>		2 25.5 243°78	3°7/ 1.1	18	
1 22	10 56.49	+17 0.2	2.819	3.640	9.7	21.2	1 22	10 50.65	- 6 51.7	2.650	3.398	12.2	20.3
2 1	10 50.89	+17 25.6	2.724	3.626	7.2	21.0	2 1	10 46.68	- 6 31.4	2.544	3.387	10.0	20.1
2 11	10 43.68	+17 53.2	2.656	3.612	4.5	20.8	2 11	10 41.18	- 5 53.1	2.462	3.376	7.4	19.9
2 21	10 35.35	+18 18.7	2.618	3.598	2.5	20.6	2 21	10 34.61	- 4 58.0	2.406	3.365	4.8	19.8
3 2	10 26.58	+18 38.4	2.611	3.584	3.6	20.7	3 2	10 27.57	- 3 48.9	2.379	3.353	3.7	19.7
3 12	10 18.15	+18 48.9	2.634	3.569	6.3	20.9	3 12	10 20.79	- 2 31.0	2.383	3.342	5.3	19.7
3 22	10 10.74	+18 48.6	2.685	3.553	9.1	21.0	3 22	10 14.93	- 1 10.0	2.415	3.330	8.0	19.9
4 1	10 4.90	+18 36.7	2.761	3.538	11.5	21.2	4 1	10 10.53	+ 0 8.5	2.473	3.317	10.7	20.0
<b>44920</b>	1999 <i>VK</i> <sub>32</sub>		2 25.5 240°83	0°4/25.9	18		<b>329097</b>	2011 <i>BZ</i> <sub>115</sub>		2 25.5 140°02	1°5/24.1	18	
1 22	10 56.49	+ 5 31.4	1.921	2.732	14.0	20.2	1 22	10 55.75	+10 47.1	2.055	2.879	12.7	21.5
2 1	10 51.60	+ 6 0.0	1.825	2.719	10.6	20.0	2 1	10 50.73	+11 33.6	1.982	2.886	9.4	21.3
2 11	10 44.46	+ 6 43.0	1.752	2.705	6.7	19.7	2 11	10 43.73	+12 29.1	1.935	2.893	5.6	21.1
2 21	10 35.67	+ 7 36.5	1.706	2.691	2.3	19.4	2 21	10 35.41	+13 27.9	1.915	2.900	2.0	20.9
3 2	10 26.14	+ 8 34.8	1.690	2.677	2.4	19.3	3 2	10 26.65	+14 23.6	1.925	2.907	3.2	21.0
3 12	10 17.00	+ 9 30.9	1.702	2.661	7.0	19.6	3 12	10 18.43	+15 10.6	1.963	2.913	7.0	21.2
3 22	10 9.24	+10 19.1	1.741	2.646	11.2	19.8	3 22	10 11.60	+15 45.0	2.029	2.918	10.6	21.4
4 1	10 3.65	+10 55.2	1.804	2.630	14.8	20.0	4 1	10 6.77	+16 4.7	2.118	2.924	13.6	21.6
<b>190150</b>	2005 <i>SM</i> <sub>214</sub>		2 25.5 167°15	0°9/26.2	18		<b>496068</b>	2009 <i>RC</i>		2 25.5 141°83	4°0/29.8	16	
1 22	10 59.96	+ 5 4.7	1.633	2.446	16.0	20.9	1 22	10 56.94	- 5 56.6	2.550	3.293	12.8	22.3
2 1	10 54.35	+ 5 19.5	1.555	2.450	12.2	20.6	2 1	10 51.23	- 6 5.6	2.467	3.307	10.3	22.1
2 11	10 46.17	+ 5 49.7	1.500	2.453	7.7	20.4	2 11	10 43.88	- 5 58.7	2.408	3.321	7.6	22.0
2 21	10 36.19	+ 6 31.2	1.471	2.456	2.8	20.1	2 21	10 35.44	- 5 36.4	2.376	3.333	5.1	21.8
3 2	10 25.56	+ 7 17.9	1.471	2.458	2.6	20.1	3 2	10 26.62	- 5 1.1	2.374	3.345	4.0	21.8
3 12	10 15.58	+ 8 2.8	1.498	2.459	7.5	20.4	3 12	10 18.23	- 4 17.1	2.403	3.356	5.6	21.9
3 22	10 7.40	+ 8 40.0	1.551	2.460	12.0	20.6	3 22	10 10.97	- 3 28.9	2.459	3.367	8.2	22.1
4 1	10 1.80	+ 9 5.5	1.627	2.461	15.8	20.9	4 1	10 5.37	- 2 41.6	2.542	3.377	10.8	22.2
<b>498996</b>	2009 <i>BK</i> <sub>177</sub>		2 25.5 355°12	1°8/24.0	17		<b>148015</b>	1997 <i>WW</i> <sub>5</sub>		2 25.5 143°39	0°6/24.9	18	
1 22	10 56.17	+13 48.6	2.077	2.906	12.4	20.9	1 22	10 56.18	+ 8 28.2	2.137	2.951	12.6	20.7
2 1	10 51.05	+14 3.4	1.998	2.905	9.2	20.7	2 1	10 50.96	+ 9 8.3	2.062	2.961	9.4	20.6
2 11	10 43.92	+14 23.0	1.944	2.904	5.6	20.5	2 11	10 43.83	+ 9 58.6	2.013	2.970	5.7	20.3
2 21	10 35.44	+14 43.1	1.918	2.903	2.2	20.3	2 21	10 35.44	+10 54.1	1.992	2.978	1.7	20.1
3 2	10 26.50	+14 58.8	1.921	2.902	3.4	20.4	3 2	10 26.62	+11 49.2	2.001	2.986	2.6	20.2
3 12	10 18.10	+15 6.1	1.953	2.902	7.1	20.6	3 12	10 18.34	+12 38.1	2.040	2.994	6.5	20.4
3 22	10 11.10	+15 2.9	2.011	2.902	10.6	20.8	3 22	10 11.38	+13 16.8	2.106	3.001	10.0	20.7
4 1	10 6.12	+14 48.1	2.092	2.902	13.6	21.0	4 1	10 6.37	+13 42.6	2.195	3.007	13.0	20.9
<b>152007</b>	2004 <i>JR</i> <sub>32</sub>		2 25.5 191°23	0°3/25.2	16		<b>343605</b>	2010 <i>GE</i> <sub>113</sub>		2 25.5 212°21	2°5/22.6	18	
1 22	10 55.01	+ 7 12.4	2.354	3.162	11.8	21.0	1 22	10 53.34	+15 33.9	2.555	3.383	10.4	21.1
2 1	10 50.01	+ 7 55.5	2.266	3.161	8.8	20.8	2 1	10 48.69	+16 25.3	2.472	3.379	7.7	21.0
2 11	10 43.24	+ 8 49.5	2.204	3.159	5.4	20.6	2 11	10 42.40	+17 21.1	2.416	3.375	4.7	20.8
2 21	10 35.23	+ 9 50.1	2.170	3.156	1.7	20.3	2 21	10 34.98	+18 16.2	2.389	3.370	2.6	20.6
3 2	10 26.75	+10 52.0	2.167	3.153	2.3	20.3	3 2	10 27.15	+19 5.5	2.393	3.365	3.9	20.7
3 12	10 18.66	+11 49.4	2.194	3.149	6.0	20.6	3 12	10 19.69	+19 44.3	2.425	3.360	6.8	20.9
3 22	10 11.71	+12 38.0	2.250	3.144	9.5	20.8	3 22	10 13.30	+20 10.0	2.485	3.354	9.7	21.0
4 1	10 6.52	+13 14.6	2.329	3.139	12.4	21.0	4 1	10 8.54	+20 21.4	2.568	3.348	12.2	21.2
<b>223618</b>	2004 <i>JZ</i> <sub>10</sub>		2 25.5 249°18	1°6/27.1	17		<b>21141</b>	1993 <i>FD</i> <sub>30</sub>		2 25.5 177°53	2°4/27.9	18	
1 22	10 53.60	+ 0 57.3	2.099	2.893	13.5	21.3	1 22	10 54.09	- 0 30.1	2.215	2.999	13.3	19.8
2 1	10 49.29	+ 1 33.1	1.996	2.878	10.5	21.1	2 1	10 49.42	- 0 17.1	2.127	3.000	10.4	19.6
2 11	10 42.98	+ 2 26.6	1.917	2.862	6.9	20.8	2 11	10 42.93	+ 0 11.6	2.063	3.001	7.1	19.4
2 21	10 35.20	+ 3 34.9	1.865	2.846	3.1	20.5	2 21	10 35.17	+ 0 53.8	2.026	3.001	3.7	19.2
3 2	10 26.76	+ 4 52.6	1.843	2.830	2.3	20.4	3 2	10 26.93	+ 1 45.6	2.018	3.002	2.7	19.1
3 12	10 18.61	+ 6 12.8	1.850	2.813	6.2	20.7	3 12	10 19.11	+ 2 41.6	2.039	3.002	5.7	19.3
3 22	10 11.66	+ 7 28.4	1.885	2.795	10.1	20.9	3 22	10 12.47	+ 3 36.2	2.088	3.001	9.1	19.5
4 1	10 6.63	+ 8 33.8	1.944	2.778	13.6	21.0	4 1	10 7.65	+ 4 24.5	2.162	3.000	12.3	19.7
<b>16785</b>	1997 <i>AL</i> <sub>1</sub>		2 25.5 121°90	5°1/ 1.6	18		<b>99364</b>	2001 <i>XG</i> <sub>211</sub>		2 25.5 51°73	0°5/25.9	18	
1 22	10 55.71	- 8 10.3	2.587	3.318	12.9	17.0	1 22	10 54.72	+ 4 16.3	1.279	2.114	18.2	19.4
2 1	10 50.36	- 8 46.5	2.499	3.326	10.7	16.9	2 1	10 50.83	+ 5 3.0	1.220	2.127	13.8	19.2
2 11	10 43.37	- 9 6.9	2.435	3.333	8.2	16.7	2 11	10 44.16	+ 6 11.1	1.182	2.140	8.5	18.9
2 21	10 35.26	- 9 11.0	2.398	3.341	6.0	16.6	2 21	10 35.61	+ 7 33.6	1.168	2.154	2.9	18.6
3 2	10 26.74	- 8 59.9	2.389	3.348	5.1	16.5	3 2	10 26.48	+ 9 0.3	1.181	2.168	3.0	18.6
3 12	10 18.58	- 8 36.6	2.409	3.355	6.2	16.6	3 12	10 18.26	+10 20.3	1.219	2.183	8.5	19.0
3 22	10 11.50	- 8 5.2	2.458	3.361	8.4	16.8	3 22	10 12.11	+11 25.3	1.281	2.198	13.4	19.3
4 1	10 6.04	- 7 30.5	2.531	3.368	10.7	16.9	4 1	10 8.79	+12 10.5	1.364	2.213	17.4	19.6
<b>425652</b>	2010 <i>WG</i> <sub>16</sub>		2 25.5 119°95	2°9/28.5	18		<b>461598</b>	2004 <i>TW</i> <sub>5</sub>		2 25.5 275°69	4		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>336874</b>	2011 GA <sub>28</sub>	2 25.5 308°05		5°1/20.6 17			<b>83450</b>	2001 SP <sub>60</sub>	2 25.5 210°72		0°1/25.6 18 R		
1 22	10 54.00	+19 41.7	1.806	2.654	13.1	20.2	1 22	10 52.76	+ 6 51.7	2.616	3.422	10.8	20.3
2 1	10 49.90	+21 1.7	1.732	2.646	9.8	19.9	2 1	10 48.21	+ 7 22.5	2.524	3.417	8.1	20.1
2 11	10 43.47	+22 25.6	1.682	2.638	6.7	19.7	2 11	10 42.10	+ 8 2.7	2.459	3.413	5.0	19.9
2 21	10 35.39	+23 44.5	1.660	2.630	5.1	19.6	2 21	10 34.92	+ 8 49.1	2.422	3.408	1.6	19.7
3 2	10 26.68	+24 49.7	1.664	2.623	6.9	19.7	3 2	10 27.32	+ 9 37.4	2.416	3.402	1.9	19.7
3 12	10 18.50	+25 34.3	1.696	2.615	10.3	19.9	3 12	10 20.06	+10 22.9	2.440	3.396	5.3	19.9
3 22	10 11.90	+25 55.5	1.751	2.608	13.7	20.1	3 22	10 13.78	+11 2.0	2.492	3.390	8.5	20.1
4 1	10 7.61	+25 53.6	1.826	2.601	16.7	20.3	4 1	10 9.03	+11 31.9	2.569	3.384	11.2	20.3
<b>393239</b>	2013 QH <sub>29</sub>	2 25.5 125°47		0°4/25.9 16			<b>32669</b>	6287 P-L	2 25.5 79°39		1°7/23.9 18		
1 22	10 54.75	+ 5 27.0	2.101	2.910	13.0	22.3	1 22	10 56.96	+13 52.7	2.314	3.137	11.5	19.5
2 1	10 49.92	+ 6 0.9	2.026	2.919	9.8	22.1	2 1	10 51.35	+14 9.1	2.246	3.149	8.5	19.3
2 11	10 43.22	+ 6 47.4	1.975	2.929	6.1	21.9	2 11	10 43.99	+14 29.5	2.204	3.162	5.1	19.1
2 21	10 35.26	+ 7 42.2	1.952	2.938	2.1	21.6	2 21	10 35.50	+14 49.8	2.191	3.175	2.0	19.0
3 2	10 26.88	+ 8 39.8	1.959	2.946	2.2	21.7	3 2	10 26.70	+15 5.9	2.207	3.188	3.1	19.0
3 12	10 19.02	+ 9 34.3	1.995	2.954	6.1	21.9	3 12	10 18.48	+15 14.2	2.253	3.200	6.4	19.3
3 22	10 12.47	+10 20.8	2.059	2.963	9.7	22.2	3 22	10 11.57	+15 13.0	2.327	3.213	9.5	19.5
4 1	10 7.83	+10 56.0	2.146	2.970	12.9	22.4	4 1	10 6.49	+15 1.4	2.424	3.226	12.2	19.7
<b>423762</b>	2006 DZ <sub>76</sub>	2 25.5 334°72		1°9/24.2 17			<b>203589</b>	2002 CE <sub>254</sub>	2 25.5 76°71		3°0/23.2 18		
1 22	10 57.19	+13 16.8	1.765	2.599	14.0	21.1	1 22	10 57.70	+12 16.4	1.415	2.258	16.3	20.4
2 1	10 52.20	+13 32.1	1.685	2.594	10.4	20.9	2 1	10 52.81	+13 29.2	1.363	2.277	12.0	20.2
2 11	10 44.84	+13 54.0	1.628	2.589	6.4	20.6	2 11	10 45.25	+14 52.7	1.334	2.296	7.2	20.0
2 21	10 35.83	+14 17.1	1.599	2.584	2.4	20.3	2 21	10 35.95	+16 17.2	1.331	2.315	3.2	19.8
3 2	10 26.21	+14 35.8	1.597	2.579	3.7	20.4	3 2	10 26.19	+17 32.3	1.355	2.333	5.1	19.9
3 12	10 17.19	+14 45.2	1.623	2.575	8.0	20.7	3 12	10 17.40	+18 29.7	1.406	2.352	9.6	20.2
3 22	10 9.81	+14 42.3	1.675	2.572	12.0	20.9	3 22	10 10.65	+19 5.4	1.481	2.370	13.7	20.5
4 1	10 4.80	+14 26.3	1.748	2.568	15.5	21.1	4 1	10 6.65	+19 18.8	1.576	2.389	17.2	20.8
<b>169967</b>	2002 TB <sub>136</sub>	2 25.5 125°57		3°0/28.6 18			<b>497197</b>	2004 TT <sub>185</sub>	2 25.5 163°50		0°3/25.8 17		
1 22	10 54.56	- 2 2.2	2.457	3.227	12.5	20.3	1 22	10 55.32	+ 6 23.9	2.148	2.957	12.7	22.2
2 1	10 49.55	- 2 7.0	2.374	3.236	9.9	20.2	2 1	10 50.37	+ 6 48.1	2.066	2.960	9.6	22.0
2 11	10 42.90	- 1 57.6	2.316	3.245	6.9	20.0	2 11	10 43.53	+ 7 23.6	2.009	2.963	6.0	21.7
2 21	10 35.16	- 1 35.4	2.285	3.254	4.1	19.8	2 21	10 35.39	+ 8 6.5	1.980	2.965	2.0	21.5
3 2	10 27.04	- 1 3.1	2.283	3.263	3.1	19.8	3 2	10 26.79	+ 8 52.1	1.980	2.967	2.2	21.5
3 12	10 19.34	- 0 24.9	2.312	3.272	5.3	19.9	3 12	10 18.67	+ 9 34.8	2.010	2.969	6.1	21.8
3 22	10 12.75	+ 0 14.7	2.368	3.280	8.3	20.1	3 22	10 11.82	+10 10.3	2.067	2.970	9.7	22.0
4 1	10 7.81	+ 0 51.5	2.450	3.288	11.0	20.3	4 1	10 6.87	+10 35.6	2.148	2.971	12.9	22.2
<b>203510</b>	2002 AG <sub>155</sub>	2 25.5 75°33		0°6/25.2 18			<b>412868</b>	2014 QO <sub>1</sub>	2 25.5 197°52		1°7/27.1 18		
1 22	11 4.47	+10 0.0	1.424	2.251	17.1	19.3	1 22	10 55.81	+ 1 9.3	1.907	2.703	14.6	21.7
2 1	10 57.67	+10 2.1	1.372	2.276	12.7	19.1	2 1	10 51.04	+ 1 40.8	1.818	2.701	11.3	21.5
2 11	10 48.10	+10 14.4	1.342	2.300	7.7	18.9	2 11	10 44.10	+ 2 30.5	1.753	2.698	7.4	21.2
2 21	10 36.80	+10 31.5	1.338	2.324	2.4	18.6	2 21	10 35.61	+ 3 34.9	1.714	2.695	3.3	20.9
3 2	10 25.17	+10 47.4	1.362	2.348	3.2	18.7	3 2	10 26.50	+ 4 48.4	1.704	2.691	2.5	20.9
3 12	10 14.70	+10 56.8	1.414	2.372	8.2	19.1	3 12	10 17.85	+ 6 3.4	1.724	2.687	6.6	21.1
3 22	10 6.50	+10 56.6	1.491	2.396	12.7	19.4	3 22	10 10.60	+ 7 12.8	1.770	2.682	10.6	21.4
4 1	10 1.22	+10 45.5	1.589	2.419	16.3	19.7	4 1	10 5.48	+ 8 11.2	1.841	2.676	14.2	21.6
<b>321021</b>	2008 LD <sub>16</sub>	2 25.5 29°45		2°1/27.3 18			<b>153358</b>	2001 PB <sub>53</sub>	2 25.5 250°25		3°3/27.7 18		
1 22	10 52.02	+ 0 24.0	1.540	2.354	16.7	20.3	1 22	11 0.10	+ 1 17.1	1.787	2.580	15.6	19.9
2 1	10 48.52	+ 0 59.1	1.468	2.360	12.9	20.1	2 1	10 54.37	+ 0 43.1	1.699	2.577	12.3	19.6
2 11	10 42.65	+ 1 56.7	1.417	2.365	8.5	19.8	2 11	10 46.20	+ 0 23.2	1.635	2.574	8.4	19.4
2 21	10 35.14	+ 3 12.3	1.390	2.372	3.9	19.5	2 21	10 36.30	+ 0 16.9	1.596	2.571	4.6	19.2
3 2	10 27.05	+ 4 38.5	1.391	2.378	2.8	19.5	3 2	10 25.68	+ 0 21.9	1.586	2.568	3.7	19.1
3 12	10 19.60	+ 6 5.7	1.419	2.385	7.2	19.8	3 12	10 15.60	+ 0 34.0	1.604	2.565	7.1	19.3
3 22	10 13.80	+ 7 25.0	1.472	2.393	11.7	20.0	3 22	10 7.12	+ 0 48.4	1.648	2.562	11.1	19.5
4 1	10 10.40	+ 8 29.9	1.548	2.401	15.5	20.3	4 1	10 1.05	+ 1 0.6	1.716	2.559	14.7	19.7
<b>372020</b>	2008 OC <sub>12</sub>	2 25.5 146°24		1°9/27.4 18 R			<b>37261</b>	2000 XC <sub>5</sub>	2 25.5 345°41		0°7/25.1 18		
1 22	10 55.50	+ 1 22.1	2.295	3.082	12.7	21.5	1 22	10 57.47	+10 20.1	1.711	2.540	14.6	18.7
2 1	10 50.36	+ 1 31.9	2.213	3.090	9.9	21.3	2 1	10 52.45	+10 24.3	1.631	2.537	11.0	18.5
2 11	10 43.44	+ 1 55.2	2.156	3.097	6.5	21.1	2 11	10 45.02	+10 37.4	1.575	2.534	6.7	18.2
2 21	10 35.34	+ 2 29.6	2.126	3.104	3.1	20.9	2 21	10 35.91	+10 55.0	1.545	2.531	2.1	17.9
3 2	10 26.83	+ 3 11.3	2.126	3.111	2.4	20.9	3 2	10 26.18	+11 12.0	1.543	2.529	2.9	18.0
3 12	10 18.76	+ 3 55.4	2.155	3.117	5.5	21.1	3 12	10 17.07	+11 23.4	1.569	2.527	7.6	18.2
3 22	10 11.90	+ 4 37.3	2.213	3.123	8.9	21.3	3 22	10 9.62	+11 25.6	1.620	2.525	11.8	18.5
4 1	10 6.82	+ 5 12.9	2.296	3.128	11.8	21.5	4 1	10 4.59	+11 16.8	1.693	2.524	15.4	18.7
<b>109713</b>	2001 RZ <sub>47</sub>	2 25.5 119°56		5°1/ 1.3 18			<b>191278</b>	2003 ED <sub>38</sub>	2 25.5 303°31		2°8/26.6 18		
1 22	10 57.59	- 7 15.4	2.129	2.876	14.9	19.5	1 22	11 7.29	+ 5 44.4	1.701	2.500	16.0	19.9
2 1	10 52.02	- 7 36.8	2.052	2.891	12.2	19.3	2 1	11 0.39	+ 4 39.2	1.583	2.467	12.6	19.6
2 11	10 44.50	- 7 38.9	1.998	2.906	9.1	19.1	2 11	10 50.36	+ 3 39.4	1.488	2.434	8.5	19.3
2 21	10 35.68	- 7 21.7	1.969	2.921	6.3	19.0	2 21	10 37.77	+ 2 45.2	1.421	2.401	4.1	18.9
3 2	10 26.43	- 6 47.6	1.968	2.935	5.1	18.9	3 2	10 23.76	+ 1 56.2	1.383	2.367	3.7	18.8
3 12	10 17.71	- 6 1.4	1.996	2.949	6.7	19.1	3 12	10 9.88	+ 1 11.6	1.375	2.334	8.3	19.0
3 22	10 10.35	- 5 9.1	2.052	2.962	9.4	19.2	3 22	9 57.64	+ 0 29.7	1.395	2.301	13.3	19.2
4 1	10 4.96	- 4 16.7	2.132	2.975	12.2	19.4	4 1	9 48.25	- 0 11.5	1.437	2.268	17.7	19.4
<b>177443</b>	2004 CA <sub>105</sub>	2 25.5 153°91		0°9/24.9 18			<b>208444</b>	2001 TT <sub>135</sub>	2 25.5 74°15		3°1/28.5 18		
1 22	11 1.68	+11 15.4	1.952	2.769	13.6	19.6	1 22	10 53.86	- 1 32.6	2.264	3		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>499108</b>	2009 <i>HC</i> <sub>15</sub>		2 25.5 200°91	4.4/20.0	17		<b>193891</b>	2001 <i>QM</i> <sub>215</sub>		2 25.5 252°28	0.2/25.4	18	
1 22	10 55.02	+24 16.9	2.843	3.672	9.4	21.5	1 22	10 56.78	+ 6 10.3	1.588	2.412	15.8	21.0
2 1	10 49.83	+25 8.6	2.769	3.669	7.2	21.4	2 1	10 52.31	+ 6 51.1	1.497	2.399	12.0	20.7
2 11	10 43.05	+25 58.4	2.722	3.666	5.2	21.2	2 11	10 45.18	+ 7 49.6	1.428	2.385	7.5	20.4
2 21	10 35.22	+26 41.1	2.704	3.663	4.4	21.2	2 21	10 36.06	+ 9 0.6	1.384	2.370	2.4	20.0
3 2	10 27.03	+27 12.1	2.715	3.659	5.5	21.2	3 2	10 26.02	+10 16.1	1.369	2.356	3.0	20.0
3 12	10 19.25	+27 28.4	2.756	3.655	7.7	21.4	3 12	10 16.43	+11 27.1	1.381	2.341	8.2	20.3
3 22	10 12.53	+27 28.9	2.822	3.650	9.9	21.5	3 22	10 8.51	+12 25.9	1.419	2.325	13.1	20.6
4 1	10 7.42	+27 14.1	2.911	3.645	11.9	21.7	4 1	10 3.20	+13 7.6	1.477	2.309	17.2	20.8
<b>224437</b>	2005 <i>UZ</i> <sub>472</sub>		2 25.5 10°05	2°5/23.5	18		<b>206268</b>	2002 <i>YN</i> <sub>7</sub>		2 25.5 40°43	4°5/21.0	18	
1 22	10 56.30	+13 56.1	1.765	2.602	13.9	20.8	1 22	10 53.84	+19 47.1	1.978	2.822	12.3	19.9
2 1	10 51.51	+14 34.9	1.691	2.602	10.3	20.6	2 1	10 49.45	+20 54.2	1.917	2.830	9.2	19.7
2 11	10 44.40	+15 20.8	1.642	2.602	6.3	20.3	2 11	10 43.03	+22 2.9	1.882	2.838	6.1	19.5
2 21	10 35.70	+16 7.3	1.619	2.603	2.8	20.1	2 21	10 35.26	+23 5.8	1.874	2.846	4.5	19.4
3 2	10 26.45	+16 47.6	1.625	2.604	4.3	20.2	3 2	10 27.08	+23 55.8	1.894	2.854	6.1	19.5
3 12	10 17.84	+17 15.7	1.658	2.604	8.3	20.5	3 12	10 19.52	+24 28.0	1.942	2.863	9.1	19.7
3 22	10 10.84	+17 28.4	1.716	2.605	12.2	20.7	3 22	10 13.43	+24 40.5	2.014	2.872	12.1	19.9
4 1	10 6.19	+17 24.9	1.796	2.606	15.5	20.9	4 1	10 9.41	+24 33.8	2.107	2.881	14.7	20.1
<b>125175</b>	2001 <i>UL</i> <sub>109</sub>		2 25.5 152°40	0°9/24.7	18		<b>109572</b>	2001 <i>QJ</i> <sub>269</sub>		2 25.5 179°06	4°5/ 1.7	18	
1 22	10 55.53	+ 9 1.6	1.995	2.816	13.1	19.7	1 22	10 52.41	- 8 1.6	2.555	3.295	12.8	19.1
2 1	10 50.67	+ 9 42.2	1.918	2.820	9.8	19.5	2 1	10 48.01	- 8 6.7	2.462	3.296	10.6	18.9
2 11	10 43.77	+10 33.3	1.866	2.823	5.9	19.3	2 11	10 42.03	- 7 54.3	2.391	3.296	8.0	18.7
2 21	10 35.49	+11 29.9	1.841	2.827	1.8	19.0	2 21	10 34.95	- 7 24.8	2.346	3.297	5.6	18.6
3 2	10 26.72	+12 25.8	1.846	2.830	2.8	19.1	3 2	10 27.44	- 6 40.4	2.330	3.297	4.5	18.5
3 12	10 18.47	+13 14.8	1.879	2.833	6.9	19.3	3 12	10 20.26	- 5 45.3	2.343	3.296	5.8	18.6
3 22	10 11.63	+13 52.4	1.940	2.836	10.7	19.6	3 22	10 14.09	- 4 44.7	2.384	3.296	8.2	18.7
4 1	10 6.83	+14 16.2	2.023	2.839	13.8	19.8	4 1	10 9.47	- 3 44.0	2.451	3.295	10.8	18.9
<b>153098</b>	2000 <i>ST</i> <sub>4</sub>		2 25.5 47°10	18°8/19.2	17		<b>371083</b>	2005 <i>UA</i> <sub>388</sub>		2 25.5 197°56	1°0/24.6	16	
1 22	11 28.01	+45 25.8	0.981	1.800	23.7	19.0	1 22	10 55.60	+ 9 22.3	2.144	2.962	12.5	22.4
2 1	11 17.61	+46 37.1	0.946	1.806	21.2	18.9	2 1	10 50.66	+10 4.3	2.059	2.960	9.3	22.1
2 11	11 1.10	+47 12.2	0.927	1.813	19.3	18.8	2 11	10 43.77	+10 56.4	2.000	2.957	5.6	21.9
2 21	10 40.90	+46 50.5	0.926	1.820	18.8	18.8	2 21	10 35.52	+11 53.6	1.968	2.954	1.8	21.6
3 2	10 20.72	+45 22.3	0.945	1.827	19.9	18.9	3 2	10 26.75	+12 50.0	1.966	2.950	2.8	21.7
3 12	10 4.11	+42 54.3	0.984	1.834	22.0	19.0	3 12	10 18.42	+13 39.8	1.994	2.946	6.7	22.0
3 22	9 52.90	+39 44.8	1.040	1.842	24.7	19.3	3 22	10 11.37	+14 18.7	2.049	2.942	10.3	22.2
4 1	9 47.40	+36 12.7	1.112	1.850	27.1	19.5	4 1	10 6.26	+14 44.0	2.127	2.937	13.5	22.4
<b>432522</b>	2010 <i>GY</i> <sub>34</sub>		2 25.5 324°63	15°0/10.4	18		<b>225275</b>	6890 <i>P-L</i>		2 25.5 135°86	2°8/28.9	18	
1 22	10 49.28	-25 12.1	1.068	1.787	28.1	20.8	1 22	10 53.36	- 4 11.1	2.319	3.085	13.3	21.6
2 1	10 47.78	-25 47.5	0.990	1.781	25.5	20.6	2 1	10 48.78	- 3 28.5	2.237	3.097	10.5	21.5
2 11	10 42.92	-25 28.2	0.922	1.776	22.3	20.3	2 11	10 42.50	- 2 26.8	2.179	3.108	7.3	21.3
2 21	10 35.42	-24 3.7	0.870	1.771	18.9	20.1	2 21	10 35.09	- 1 9.0	2.148	3.119	4.1	21.1
3 2	10 26.69	-21 29.5	0.834	1.766	16.0	19.9	3 2	10 27.30	+ 0 19.9	2.147	3.130	2.9	21.0
3 12	10 18.63	-17 54.8	0.820	1.762	15.1	19.8	3 12	10 19.94	+ 1 53.1	2.177	3.140	5.4	21.2
3 22	10 12.93	-13 41.8	0.827	1.759	16.9	19.9	3 22	10 13.74	+ 3 23.6	2.236	3.149	8.6	21.4
4 1	10 10.78	- 9 19.6	0.856	1.755	20.4	20.1	4 1	10 9.24	+ 4 45.9	2.321	3.158	11.6	21.6
<b>40582</b>	1999 <i>RC</i> <sub>137</sub>		2 25.5 260°52	0°6/26.0	17		<b>185667</b>	1995 <i>FY</i> <sub>11</sub>		2 25.5 192°93	1°1/24.5	16	
1 22	10 57.42	+ 5 27.6	1.791	2.604	14.8	19.8	1 22	10 56.76	+10 34.7	2.292	3.108	11.8	21.3
2 1	10 52.57	+ 5 47.9	1.690	2.585	11.3	19.5	2 1	10 51.40	+11 9.5	2.207	3.106	8.8	21.1
2 11	10 45.24	+ 6 23.2	1.612	2.565	7.2	19.2	2 11	10 44.17	+11 52.4	2.147	3.104	5.3	20.9
2 21	10 36.06	+ 7 9.9	1.560	2.545	2.6	18.9	2 21	10 35.64	+12 38.7	2.115	3.101	1.8	20.6
3 2	10 25.98	+ 8 2.5	1.537	2.524	2.6	18.8	3 2	10 26.63	+13 23.4	2.114	3.098	2.8	20.7
3 12	10 16.23	+ 8 53.8	1.542	2.503	7.4	19.1	3 12	10 18.05	+14 1.3	2.143	3.094	6.5	20.9
3 22	10 7.96	+ 9 37.6	1.574	2.482	11.9	19.3	3 22	10 10.70	+14 29.0	2.200	3.089	9.9	21.1
4 1	10 2.04	+10 9.5	1.628	2.460	15.9	19.5	4 1	10 5.20	+14 44.5	2.280	3.084	12.9	21.3
<b>254021</b>	2004 <i>FF</i> <sub>89</sub>		2 25.5 93°35	1°8/23.8	18		<b>109831</b>	2001 <i>RX</i> <sub>119</sub>		2 25.5 242°93	2°6/23.3	16	
1 22	10 53.92	+ 8 27.5	1.706	2.537	14.6	20.0	1 22	10 57.05	+14 1.5	1.910	2.742	13.2	20.9
2 1	10 49.73	+ 9 58.7	1.641	2.549	10.7	19.8	2 1	10 52.04	+14 46.7	1.825	2.733	9.8	20.6
2 11	10 43.30	+11 44.7	1.600	2.561	6.4	19.6	2 11	10 44.77	+15 39.2	1.764	2.724	6.0	20.4
2 21	10 35.36	+13 36.9	1.587	2.573	2.2	19.3	2 21	10 35.88	+16 32.8	1.731	2.714	2.8	20.2
3 2	10 26.92	+15 25.2	1.603	2.584	3.9	19.4	3 2	10 26.33	+17 20.5	1.726	2.704	4.3	20.2
3 12	10 19.12	+17 0.0	1.648	2.596	8.2	19.7	3 12	10 17.27	+17 56.4	1.750	2.694	8.2	20.4
3 22	10 12.91	+18 15.1	1.718	2.607	12.2	20.0	3 22	10 9.69	+18 16.6	1.800	2.683	12.0	20.6
4 1	10 8.97	+19 7.6	1.810	2.618	15.5	20.2	4 1	10 4.36	+18 20.0	1.872	2.672	15.4	20.8
<b>46340</b>	2001 <i>RG</i> <sub>86</sub>		2 25.5 114°42	0°3/25.3	18		<b>283515</b>	2001 <i>TN</i> <sub>28</sub>		2 25.5 125°95	0°9/24.8	18	
1 22	10 55.54	+ 7 28.0	1.817	2.638	14.2	19.5	1 22	11 1.49	+ 9 26.2	1.778	2.596	14.6	21.5
2 1	10 50.84	+ 8 2.0	1.742	2.643	10.6	19.3	2 1	10 55.19	+ 9 58.6	1.714	2.613	10.9	21.3
2 11	10 43.95	+ 8 48.7	1.690	2.647	6.5	19.0	2 11	10 46.55	+10 41.3	1.673	2.630	6.6	21.1
2 21	10 35.57	+ 9 43.1	1.666	2.652	2.0	18.8	2 21	10 36.39	+11 28.6	1.660	2.646	2.0	20.9
3 2	10 26.66	+10 38.6	1.670	2.656	2.7	18.8	3 2	10 25.80	+12 14.0	1.676	2.661	3.0	21.0
3 12	10 18.34	+11 28.7	1.702	2.660	7.1	19.1	3 12	10 15.99	+12 51.4	1.722	2.675	7.5	21.3
3 22	10 11.54	+12 8.2	1.761	2.664	11.1	19.3	3 22	10 7.95	+13 16.9	1.794	2.689	11.4	21.5
4 1	10 6.94	+12 34.0	1.842	2.668	14.6	19.6	4 1	10 2.33	+13 28.7	1.888	2.702	14.8	21.8
<b>288957</b>	2004 <i>TJ</i> <sub>9</sub>		2 2										

EPHEMERIDES

2 25.5

2 25.6

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>521060</b>	2015 <i>DC</i> <sub>238</sub>		2 25.5 164°73	2°6/28.4 17			<b>254647</b>	2005 <i>JJ</i> <sub>130</sub>		2 25.6 298°71	2°5/23.7 17		
1 22	10 51.71	- 1 47.9	2.283	3.064	13.0	21.9	1 22	10 55.69	+12 25.0	1.529	2.372	15.3	20.5
2 1	10 47.64	- 1 28.1	2.195	3.065	10.2	21.7	2 1	10 51.63	+13 10.0	1.441	2.355	11.5	20.3
2 11	10 41.86	- 0 51.6	2.130	3.065	7.1	21.5	2 11	10 44.84	+14 6.7	1.376	2.338	7.0	20.0
2 21	10 34.91	- 0 0.7	2.092	3.065	3.9	21.3	2 21	10 36.01	+15 7.9	1.336	2.320	2.9	19.7
3 2	10 27.51	+ 1 0.5	2.082	3.066	2.8	21.2	3 2	10 26.26	+16 5.0	1.322	2.303	4.7	19.7
3 12	10 20.49	+ 2 6.4	2.103	3.066	5.5	21.4	3 12	10 16.99	+16 49.6	1.336	2.287	9.5	20.0
3 22	10 14.58	+ 3 11.2	2.151	3.066	8.8	21.6	3 22	10 9.48	+17 16.3	1.373	2.270	14.1	20.2
4 1	10 10.36	+ 4 9.8	2.224	3.067	11.8	21.8	4 1	10 4.66	+17 22.9	1.430	2.254	18.1	20.4
<b>500348</b>	2012 <i>TH</i> <sub>4</sub>		2 25.6 120°89	6°8/4.6 18			<b>130410</b>	2000 <i>OW</i> <sub>40</sub>		2 25.6 178°77	1°5/26.9 18		
1 22	10 56.93	-16 37.5	2.913	3.578	12.9	21.1	1 22	10 57.79	+ 2 4.2	2.015	2.808	14.1	21.2
2 1	10 51.17	-17 24.6	2.830	3.595	11.2	21.0	2 1	10 52.39	+ 2 29.6	1.929	2.811	10.8	21.0
2 11	10 43.87	-17 53.6	2.769	3.611	9.3	20.9	2 11	10 44.90	+ 3 10.9	1.866	2.812	7.1	20.7
2 21	10 35.53	-18 3.0	2.733	3.627	7.7	20.8	2 21	10 35.94	+ 4 4.8	1.831	2.813	3.1	20.5
3 2	10 26.82	-17 53.1	2.725	3.643	6.8	20.8	3 2	10 26.41	+ 5 6.1	1.826	2.813	2.4	20.4
3 12	10 18.46	-17 26.3	2.745	3.658	7.1	20.8	3 12	10 17.36	+ 6 8.2	1.850	2.812	6.3	20.7
3 22	10 11.11	-16 46.7	2.793	3.672	8.4	20.9	3 22	10 9.70	+ 7 5.0	1.903	2.810	10.2	20.9
4 1	10 5.28	-15 59.5	2.866	3.686	10.1	21.1	4 1	10 4.11	+ 7 52.1	1.979	2.808	13.6	21.1
<b>64802</b>	2001 <i>XK</i> <sub>210</sub>		2 25.6 334°59	2°2/23.6 18			<b>309236</b>	2007 <i>RW</i>		2 25.6 254°82	1°9/26.8 18		
1 22	10 53.38	+11 11.3	1.743	2.580	14.0	19.5	1 22	10 58.63	+ 3 35.8	1.605	2.416	16.3	20.7
2 1	10 49.41	+12 14.6	1.667	2.578	10.4	19.2	2 1	10 53.62	+ 3 32.4	1.516	2.408	12.6	20.5
2 11	10 43.19	+13 29.5	1.614	2.576	6.2	19.0	2 11	10 45.96	+ 3 45.0	1.449	2.399	8.2	20.2
2 21	10 35.39	+14 48.8	1.589	2.574	2.5	18.7	2 21	10 36.35	+ 4 11.1	1.408	2.390	3.6	19.9
3 2	10 26.98	+16 4.2	1.592	2.572	4.1	18.8	3 2	10 25.88	+ 4 46.0	1.393	2.380	2.9	19.8
3 12	10 19.11	+17 7.6	1.622	2.571	8.3	19.1	3 12	10 15.93	+ 5 23.2	1.407	2.371	7.6	20.1
3 22	10 12.78	+17 54.0	1.678	2.569	12.3	19.3	3 22	10 7.69	+ 5 56.6	1.446	2.361	12.2	20.3
4 1	10 8.71	+18 21.0	1.755	2.568	15.7	19.5	4 1	10 2.06	+ 6 21.1	1.507	2.351	16.3	20.5
<b>425147</b>	2009 <i>SU</i> <sub>295</sub>		2 25.6 113°14	0°1/25.5 18			<b>76432</b>	2000 <i>FB</i> <sub>24</sub>		2 25.6 211°95	6°0/16.9 18		
1 22	10 53.73	+ 5 45.7	1.931	2.747	13.7	21.7	1 22	10 56.78	+31 28.2	3.061	3.881	9.0	19.8
2 1	10 49.39	+ 6 33.3	1.855	2.753	10.3	21.5	2 1	10 51.21	+32 41.1	2.990	3.873	7.4	19.7
2 11	10 43.04	+ 7 35.2	1.804	2.759	6.3	21.3	2 11	10 43.98	+33 48.6	2.946	3.864	6.2	19.6
2 21	10 35.31	+ 8 46.2	1.779	2.765	2.0	21.0	2 21	10 35.61	+34 44.8	2.931	3.854	6.1	19.5
3 2	10 27.09	+ 9 59.5	1.784	2.770	2.4	21.0	3 2	10 26.81	+35 24.9	2.945	3.844	7.1	19.6
3 12	10 19.40	+11 7.9	1.817	2.776	6.7	21.3	3 12	10 18.38	+35 45.9	2.987	3.833	8.8	19.7
3 22	10 13.10	+12 5.8	1.878	2.781	10.5	21.6	3 22	10 11.02	+35 47.6	3.052	3.821	10.7	19.8
4 1	10 8.83	+12 49.3	1.961	2.786	13.8	21.8	4 1	10 5.29	+35 31.1	3.139	3.809	12.3	19.9
<b>206923</b>	2004 <i>PY</i> <sub>101</sub>		2 25.6 95°10	2°5/27.7 18			<b>172568</b>	2003 <i>UB</i> <sub>171</sub>		2 25.6 92°59	1°3/24.5 18		
1 22	10 58.45	- 0 32.3	1.639	2.434	16.7	20.3	1 22	10 58.53	+10 14.4	1.615	2.445	15.3	21.0
2 1	10 53.02	- 0 6.7	1.578	2.458	12.9	20.1	2 1	10 53.23	+10 50.5	1.552	2.459	11.3	20.8
2 11	10 45.27	+ 0 39.5	1.540	2.482	8.6	19.9	2 11	10 45.49	+11 37.4	1.512	2.472	6.8	20.6
2 21	10 36.00	+ 1 42.5	1.527	2.505	4.2	19.7	2 21	10 36.12	+12 28.6	1.498	2.484	2.2	20.3
3 2	10 26.33	+ 2 55.3	1.542	2.528	3.0	19.7	3 2	10 26.27	+13 17.0	1.513	2.497	3.5	20.4
3 12	10 17.47	+ 4 9.7	1.586	2.550	6.9	19.9	3 12	10 17.22	+13 55.7	1.555	2.509	8.0	20.7
3 22	10 10.39	+ 5 18.0	1.657	2.572	11.0	20.2	3 22	10 9.99	+14 20.7	1.623	2.522	12.2	21.0
4 1	10 5.73	+ 6 14.7	1.750	2.593	14.5	20.5	4 1	10 5.27	+14 30.0	1.712	2.534	15.7	21.2
<b>62308</b>	2000 <i>SH</i> <sub>118</sub>		2 25.6 48°93	2°9/28.9 18			<b>289293</b>	2004 <i>YZ</i> <sub>17</sub>		2 25.6 45°82	0°8/25.0 18		
1 22	10 50.32	- 3 17.3	2.314	3.090	13.0	19.0	1 22	10 56.25	+ 8 1.9	1.268	2.111	17.8	20.3
2 1	10 46.57	- 2 51.6	2.229	3.094	10.3	18.9	2 1	10 52.00	+ 8 40.0	1.214	2.126	13.3	20.0
2 11	10 41.19	- 2 8.2	2.168	3.100	7.2	18.7	2 11	10 44.93	+ 9 34.1	1.180	2.142	8.1	19.8
2 21	10 34.71	- 1 9.4	2.134	3.105	4.1	18.5	2 21	10 35.97	+10 36.8	1.171	2.157	2.5	19.5
3 2	10 27.82	+ 0 0.4	2.128	3.110	3.0	18.4	3 2	10 26.49	+11 38.7	1.188	2.174	3.5	19.6
3 12	10 21.33	+ 1 15.4	2.152	3.115	5.4	18.6	3 12	10 18.00	+12 30.7	1.230	2.191	8.9	20.0
3 22	10 15.92	+ 2 29.5	2.204	3.121	8.5	18.8	3 22	10 11.65	+13 6.9	1.296	2.208	13.6	20.3
4 1	10 12.15	+ 3 37.3	2.281	3.127	11.4	19.0	4 1	10 8.19	+13 24.8	1.382	2.226	17.6	20.6
<b>68906</b>	2002 <i>JO</i> <sub>107</sub>		2 25.6 270°48	3°1/27.9 17			<b>467957</b>	2012 <i>HN</i> <sub>17</sub>		2 25.6 205°79	5°3/19.9 18		
1 22	10 57.08	+ 0 14.9	2.055	2.841	14.1	19.9	1 22	10 55.69	+21 28.0	2.036	2.877	12.1	21.6
2 1	10 51.98	- 0 5.3	1.953	2.827	11.1	19.7	2 1	10 50.95	+22 52.2	1.966	2.875	9.2	21.4
2 11	10 44.74	- 0 11.4	1.875	2.812	7.7	19.5	2 11	10 44.06	+24 18.1	1.921	2.872	6.4	21.2
2 21	10 35.91	- 0 4.3	1.823	2.797	4.3	19.2	2 21	10 35.69	+25 37.2	1.904	2.869	5.3	21.1
3 2	10 26.37	+ 0 13.8	1.799	2.782	3.4	19.1	3 2	10 26.76	+26 41.5	1.916	2.866	6.9	21.2
3 12	10 17.15	+ 0 38.5	1.805	2.766	6.4	19.3	3 12	10 18.35	+27 25.3	1.956	2.863	9.8	21.4
3 22	10 9.21	+ 1 5.3	1.838	2.751	10.2	19.5	3 22	10 11.40	+27 46.6	2.019	2.860	12.8	21.6
4 1	10 3.31	+ 1 29.4	1.894	2.735	13.6	19.7	4 1	10 6.59	+27 46.0	2.104	2.856	15.4	21.7
<b>298894</b>	2004 <i>TZ</i> <sub>34</sub>		2 25.6 143°46	2°7/23.4 18			<b>247331</b>	2001 <i>UR</i> <sub>78</sub>		2 25.6 81°19	2°2/28.1 18		
1 22	11 0.80	+14 1.8	1.773	2.602	14.2	21.5	1 22	10 52.10	- 0 54.1	2.333	3.116	12.7	20.8
2 1	10 54.80	+14 47.9	1.706	2.612	10.5	21.3	2 1	10 47.80	- 0 27.3	2.260	3.133	9.9	20.6
2 11	10 46.40	+15 40.8	1.663	2.621	6.4	21.1	2 11	10 41.90	+ 0 15.1	2.212	3.150	6.6	20.4
2 21	10 36.40	+16 33.5	1.647	2.630	2.9	20.9	2 21	10 34.95	+ 1 9.9	2.191	3.167	3.4	20.2
3 2	10 25.89	+17 18.6	1.661	2.638	4.5	21.0	3 2	10 27.67	+ 2 12.9	2.199	3.183	2.4	20.2
3 12	10 16.12	+17 50.4	1.703	2.646	8.4	21.3	3 12	10 20.86	+ 3 18.3	2.237	3.200	5.2	20.4
3 22	10 8.12	+18 5.9	1.770	2.653	12.3	21.5	3 22	10 15.19	+ 4 20.7	2.303	3.217	8.4	20.6
4 1	10 2.57	+18 4.6	1.860	2.659	15.5	21.7	4 1	10 11.16	+ 5 15.8	2.394	3.233	11.2	20.8
<b>12196</b>	1979 <i>MM</i> <sub>8</sub>		2 25.6 183°47	0°8/26.2 18			<b>306949</b>	2001 <i>UA</i> <sub>154</sub>		2 25.6 87°74	10°0/16.		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>10579</b>	Diluca		2 25.6	47°51	4.4/29.9	18	<b>115509</b>	2003 UV <sub>35</sub>		2 25.6	190°92	4.7/20.6	18
1 22	10 52.97	− 5 37.3	2.165	2.928	14.2	17.3	1 22	10 59.05	+20 38.9	2.226	3.056	11.6	20.5
2 1	10 48.67	− 5 48.9	2.081	2.932	11.5	17.1	2 1	10 53.30	+21 58.6	2.150	3.054	8.8	20.3
2 11	10 42.56	− 5 42.1	2.019	2.937	8.5	16.9	2 11	10 45.46	+23 20.2	2.102	3.052	6.0	20.1
2 21	10 35.20	− 5 17.6	1.982	2.942	5.7	16.8	2 21	10 36.16	+24 36.1	2.082	3.049	4.7	20.0
3 2	10 27.36	− 4 38.1	1.973	2.947	4.5	16.7	3 2	10 26.31	+25 38.8	2.092	3.045	6.2	20.1
3 12	10 19.96	− 3 48.2	1.993	2.951	6.2	16.8	3 12	10 16.94	+26 23.0	2.131	3.040	9.1	20.3
3 22	10 13.76	− 2 53.9	2.040	2.956	9.1	17.0	3 22	10 8.97	+26 46.6	2.196	3.034	12.0	20.4
4 1	10 9.37	− 2 0.9	2.111	2.962	12.0	17.2	4 1	10 3.06	+26 49.9	2.283	3.027	14.6	20.6
<b>417043</b>	2005 UE <sub>126</sub>		2 25.6	180°54	1.2/24.3	18	<b>83848</b>	2001 US <sub>38</sub>		2 25.6	358°30	0°5/26.1	18
1 22	10 56.58	+10 53.0	2.334	3.150	11.6	21.8	1 22	10 52.09	+ 5 36.1	1.932	2.751	13.6	19.4
2 1	10 51.24	+11 32.3	2.251	3.151	8.6	21.6	2 1	10 48.24	+ 5 58.0	1.851	2.749	10.3	19.2
2 11	10 44.08	+12 19.4	2.194	3.152	5.2	21.4	2 11	10 42.40	+ 6 33.0	1.793	2.748	6.5	19.0
2 21	10 35.68	+13 9.5	2.166	3.152	1.8	21.2	2 21	10 35.19	+ 7 17.4	1.762	2.747	2.3	18.7
3 2	10 26.83	+13 57.4	2.169	3.151	2.9	21.3	3 2	10 27.47	+ 8 5.8	1.760	2.747	2.2	18.7
3 12	10 18.41	+14 38.1	2.202	3.150	6.4	21.5	3 12	10 20.22	+ 8 52.2	1.785	2.747	6.4	18.9
3 22	10 11.21	+15 8.1	2.262	3.149	9.8	21.7	3 22	10 14.31	+ 9 31.5	1.837	2.748	10.3	19.2
4 1	10 5.82	+15 25.5	2.346	3.147	12.6	21.9	4 1	10 10.38	+10 0.0	1.912	2.749	13.6	19.4
<b>125036</b>	2001 TL <sub>194</sub>		2 25.6	159°75	1.0/24.6	18	<b>142583</b>	2002 TE <sub>96</sub>		2 25.6	86°18	1.9/23.9	18
1 22	10 57.75	+10 33.6	2.155	2.972	12.4	20.5	1 22	10 58.90	+11 30.9	1.826	2.652	14.0	19.6
2 1	10 52.20	+11 2.2	2.077	2.977	9.3	20.3	2 1	10 53.13	+12 26.7	1.776	2.681	10.2	19.4
2 11	10 44.71	+11 38.7	2.025	2.982	5.6	20.1	2 11	10 45.24	+13 30.6	1.751	2.710	6.1	19.3
2 21	10 35.89	+12 18.5	2.000	2.986	1.8	19.8	2 21	10 36.04	+14 35.6	1.754	2.738	2.3	19.1
3 2	10 26.63	+12 56.5	2.006	2.990	2.8	19.9	3 2	10 26.57	+15 34.6	1.786	2.766	3.7	19.2
3 12	10 17.89	+13 27.7	2.042	2.993	6.6	20.1	3 12	10 17.92	+16 21.5	1.847	2.793	7.6	19.5
3 22	10 10.51	+13 48.8	2.104	2.996	10.1	20.4	3 22	10 10.94	+16 53.0	1.934	2.820	11.2	19.8
4 1	10 5.10	+13 58.0	2.191	2.999	13.2	20.6	4 1	10 6.22	+17 8.3	2.043	2.846	14.2	20.0
<b>337817</b>	2001 VL <sub>6</sub>		2 25.6	186°04	1.9/23.1	18	<b>466154</b>	2012 HC <sub>61</sub>		2 25.6	227°07	1.7/24.0	17
1 22	10 54.10	+15 2.5	3.145	3.962	8.9	22.2	1 22	10 55.95	+11 36.8	2.102	2.926	12.5	22.1
2 1	10 48.99	+15 42.1	3.061	3.962	6.6	22.0	2 1	10 51.05	+12 19.0	2.014	2.919	9.3	21.9
2 11	10 42.53	+16 25.1	3.004	3.961	4.0	21.8	2 11	10 44.12	+13 9.8	1.952	2.911	5.6	21.6
2 21	10 35.17	+17 7.5	2.978	3.960	2.0	21.7	2 21	10 35.75	+14 3.9	1.918	2.903	2.1	21.4
3 2	10 27.48	+17 45.6	2.983	3.957	3.0	21.8	3 2	10 26.81	+14 55.1	1.913	2.894	3.4	21.4
3 12	10 20.11	+18 16.0	3.019	3.955	5.5	21.9	3 12	10 18.30	+15 37.7	1.937	2.886	7.2	21.7
3 22	10 13.61	+18 36.5	3.083	3.952	8.0	22.1	3 22	10 11.09	+16 7.9	1.988	2.877	10.8	21.9
4 1	10 8.46	+18 46.0	3.172	3.948	10.2	22.2	4 1	10 5.88	+16 23.4	2.062	2.867	14.0	22.1
<b>494730</b>	2005 UT <sub>50</sub>		2 25.6	134°58	3.9/29.7	18	<b>500143</b>	2012 DT <sub>16</sub>		2 25.6	199°89	3.2/22.6	16
1 22	10 55.60	− 5 33.5	2.322	3.075	13.6	21.7	1 22	11 0.24	+17 33.6	2.207	3.032	11.9	20.7
2 1	10 50.45	− 5 28.4	2.241	3.089	10.9	21.5	2 1	10 54.13	+18 12.9	2.125	3.029	8.9	20.5
2 11	10 43.57	− 5 5.2	2.184	3.102	8.0	21.3	2 11	10 45.94	+18 55.0	2.069	3.024	5.6	20.3
2 21	10 35.52	− 4 25.4	2.153	3.115	5.1	21.2	2 21	10 36.32	+19 34.1	2.041	3.019	3.3	20.2
3 2	10 27.08	− 3 32.3	2.151	3.126	3.9	21.1	3 2	10 26.17	+20 4.4	2.044	3.014	4.7	20.3
3 12	10 19.09	− 2 31.0	2.179	3.138	5.8	21.2	3 12	10 16.53	+20 21.4	2.075	3.008	7.9	20.4
3 22	10 12.30	− 1 27.4	2.236	3.148	8.6	21.4	3 22	10 8.30	+20 23.4	2.134	3.001	11.1	20.6
4 1	10 7.28	− 0 27.0	2.318	3.159	11.5	21.6	4 1	10 2.15	+20 10.1	2.216	2.993	14.0	20.8
<b>382365</b>	2013 TD <sub>98</sub>		2 25.6	157°32	1.6/24.0	17	<b>77019</b>	2001 CP <sub>13</sub>		2 25.6	310°05	0°2/25.5	18
1 22	10 54.73	+11 29.6	2.026	2.854	12.7	21.2	1 22	10 56.11	+ 7 49.8	1.447	2.282	16.5	19.8
2 1	10 50.12	+12 11.3	1.949	2.855	9.4	20.9	2 1	10 52.04	+ 8 3.9	1.360	2.268	12.5	19.5
2 11	10 43.51	+13 1.4	1.896	2.855	5.7	20.7	2 11	10 45.16	+ 8 32.6	1.295	2.254	7.8	19.2
2 21	10 35.53	+13 54.6	1.871	2.856	2.1	20.5	2 21	10 36.18	+ 9 11.3	1.254	2.240	2.5	18.8
3 2	10 27.06	+14 44.7	1.875	2.856	3.4	20.6	3 2	10 26.26	+ 9 53.2	1.240	2.227	3.1	18.8
3 12	10 19.09	+15 26.0	1.907	2.857	7.2	20.8	3 12	10 16.88	+10 30.7	1.252	2.214	8.5	19.1
3 22	10 12.48	+15 54.6	1.966	2.857	10.8	21.0	3 22	10 9.32	+10 57.6	1.287	2.201	13.5	19.3
4 1	10 7.88	+16 8.7	2.048	2.858	13.9	21.2	4 1	10 4.54	+11 10.0	1.344	2.189	17.9	19.6
<b>282208</b>	2001 VY <sub>95</sub>		2 25.6	127°71	2.9/21.6	17	<b>106461</b>	2000 WZ <sub>3</sub>		2 25.6	259°36	4.6/20.9	18
1 22	10 53.59	+17 53.6	2.970	3.795	9.2	21.5	1 22	10 57.92	+23 55.2	2.506	3.335	10.5	19.5
2 1	10 48.64	+18 57.3	2.908	3.812	6.7	21.3	2 1	10 52.22	+24 30.8	2.427	3.327	8.0	19.3
2 11	10 42.31	+20 2.9	2.874	3.828	4.3	21.2	2 11	10 44.67	+25 4.0	2.373	3.320	5.7	19.1
2 21	10 35.09	+21 5.3	2.870	3.844	2.9	21.1	2 21	10 35.89	+25 29.5	2.349	3.312	4.6	19.1
3 2	10 27.61	+21 59.9	2.897	3.859	4.0	21.2	3 2	10 26.69	+25 42.4	2.353	3.304	5.7	19.1
3 12	10 20.52	+22 43.0	2.954	3.874	6.3	21.4	3 12	10 17.97	+25 39.8	2.387	3.296	8.2	19.2
3 22	10 14.41	+23 12.6	3.038	3.888	8.7	21.6	3 22	10 10.52	+25 21.0	2.446	3.289	10.8	19.4
4 1	10 9.73	+23 28.3	3.147	3.902	10.7	21.7	4 1	10 4.93	+24 47.1	2.528	3.281	13.1	19.6
<b>482412</b>	2012 BJ <sub>77</sub>		2 25.6	284°64	14.6/10.6	18	<b>232921</b>	2005 AH <sub>21</sub>		2 25.6	104°81	4.1/21.1	18
1 22	10 56.53	+30 30.5	1.043	1.916	18.5	20.3	1 22	10 54.69	+18 41.8	2.131	2.970	11.8	20.5
2 1	10 53.84	+34 41.7	1.002	1.912	15.7	20.1	2 1	10 49.99	+19 58.8	2.070	2.980	8.7	20.3
2 11	10 47.01	+38 46.0	0.985	1.909	14.6	20.0	2 11	10 43.37	+21 18.3	2.035	2.991	5.7	20.2
2 21	10 36.90	+42 15.9	0.992	1.905	15.8	20.0	2 21	10 35.48	+22 33.1	2.029	3.001	4.1	20.1
3 2	10 25.35	+44 49.5	1.020	1.901	18.7	20.2	3 2	10 27.19	+23 36.1	2.051	3.011	5.7	20.2
3 12	10 14.80	+46 17.9	1.067	1.898	22.1	20.4	3 12	10 19.46	+24 22.1	2.102	3.022	8.6	20.4
3 22	10 7.33	+46 45.2	1.129	1.894	25.2	20.6	3 22	10 13.10	+24 48.7	2.178	3.031	11.5	20.6
4 1	10 4.15	+46 21.8	1.200	1.891	27.7	20.8	4 1	10 8.70	+24 56.2	2.275	3.041	14.0	20.8
<b>210062</b>	2006 PD <sub>42</sub>		2 25.6	108°33	1.4/24.2	17	<b>234439</b>	2001 ST <sub>71</sub>		2 25.6	165°48	2.2/28.4	18
1 22	10 56.51	+13 4.7	2.459</										



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>351643</b>	2005 YM <sub>78</sub>		2 25.6 46°39'	5°3'/21.6	18		<b>162760</b>	2000 WZ <sub>108</sub>		2 25.6 57°42'	3°9'/23.1	18	
1 22	10 57.09	+17 6.2	1.316	2.172	16.5	20.3	1 22	11 0.89	+15 41.5	1.299	2.148	17.1	19.4
2 1	10 52.83	+18 29.8	1.257	2.176	12.3	20.0	2 1	10 55.35	+16 29.1	1.255	2.171	12.6	19.2
2 11	10 45.59	+20 0.6	1.221	2.181	7.9	19.8	2 11	10 46.92	+17 22.3	1.232	2.194	7.8	19.0
2 21	10 36.28	+21 27.0	1.209	2.186	5.3	19.6	2 21	10 36.66	+18 11.7	1.235	2.217	4.0	18.9
3 2	10 26.29	+22 37.3	1.224	2.192	7.4	19.8	3 2	10 26.05	+18 48.5	1.264	2.240	5.8	19.0
3 12	10 17.21	+23 22.9	1.263	2.197	11.7	20.0	3 12	10 16.65	+19 6.8	1.319	2.264	10.2	19.3
3 22	10 10.32	+23 40.9	1.325	2.203	15.8	20.3	3 22	10 9.59	+19 4.8	1.396	2.288	14.3	19.6
4 1	10 6.43	+23 32.4	1.405	2.209	19.4	20.5	4 1	10 5.52	+18 43.9	1.494	2.311	17.8	19.9
<b>166421</b>	2002 OB <sub>27</sub>		2 25.6 172°80'	1°9'/27.5	17		<b>268965</b>	2007 EL <sub>17</sub>		2 25.6 140°69'	1°1'/26.7	16	
1 22	10 53.81	+1 5.7	2.304	3.094	12.6	21.3	1 22	10 54.34	+2 36.3	2.153	2.951	13.1	21.6
2 1	10 49.22	+1 19.5	2.217	3.095	9.8	21.1	2 1	10 49.69	+3 13.6	2.074	2.959	10.0	21.4
2 11	10 42.89	+1 47.4	2.154	3.096	6.5	20.9	2 11	10 43.21	+4 5.8	2.019	2.967	6.4	21.2
2 21	10 35.36	+2 26.9	2.118	3.097	3.2	20.7	2 21	10 35.48	+5 9.0	1.992	2.974	2.6	20.9
3 2	10 27.37	+3 14.1	2.112	3.097	2.3	20.6	3 2	10 27.32	+6 17.8	1.994	2.981	2.1	20.9
3 12	10 19.78	+4 3.9	2.135	3.098	5.5	20.8	3 12	10 19.62	+7 25.7	2.026	2.988	5.8	21.2
3 22	10 13.34	+4 51.3	2.186	3.098	8.9	21.1	3 22	10 13.17	+8 27.2	2.086	2.994	9.4	21.4
4 1	10 8.61	+5 32.2	2.262	3.098	11.9	21.2	4 1	10 8.57	+9 17.9	2.170	3.000	12.5	21.6
<b>303447</b>	2005 AT <sub>79</sub>		2 25.6 79°52'	0°8'/26.1	18		<b>286431</b>	2002 AQ <sub>12</sub>		2 25.6 33°48'	1°1'/26.3	18	
1 22	11 0.45	+6 17.7	1.516	2.336	16.6	21.0	1 22	10 56.31	+5 14.8	1.110	1.954	19.8	19.8
2 1	10 54.80	+6 20.1	1.452	2.351	12.6	20.8	2 1	10 52.38	+5 21.4	1.058	1.968	15.0	19.5
2 11	10 46.54	+6 36.4	1.411	2.365	7.9	20.6	2 11	10 45.34	+5 47.8	1.025	1.983	9.4	19.3
2 21	10 36.54	+7 2.5	1.395	2.380	2.8	20.3	2 21	10 36.22	+6 28.8	1.014	1.999	3.5	19.0
3 2	10 26.04	+7 32.6	1.407	2.394	2.7	20.3	3 2	10 26.52	+7 15.9	1.028	2.016	3.1	19.0
3 12	10 16.41	+8 0.3	1.446	2.409	7.6	20.7	3 12	10 17.93	+8 0.0	1.067	2.034	8.8	19.4
3 22	10 8.75	+8 20.8	1.511	2.423	12.0	20.9	3 22	10 11.71	+8 33.7	1.128	2.053	14.0	19.7
4 1	10 3.76	+8 30.9	1.598	2.437	15.8	21.2	4 1	10 8.62	+8 52.8	1.208	2.072	18.3	20.0
<b>249004</b>	2007 PM <sub>5</sub>		2 25.6 177°51'	0°6'/26.1	18		<b>393526</b>	2002 TW <sub>176</sub>		2 25.6 142°46'	10°7'/17.9	17	
1 22	11 0.69	+6 1.3	2.064	2.864	13.5	21.3	1 22	11 16.98	+38 23.5	1.831	2.633	14.9	21.3
2 1	10 54.52	+6 13.1	1.979	2.867	10.3	21.1	2 1	11 7.07	+39 34.0	1.787	2.647	12.7	21.2
2 11	10 46.22	+6 36.3	1.918	2.869	6.5	20.9	2 11	10 53.95	+40 26.9	1.767	2.661	11.1	21.2
2 21	10 36.44	+7 7.4	1.886	2.870	2.3	20.6	2 21	10 38.87	+40 51.3	1.773	2.673	10.8	21.2
3 2	10 26.11	+7 41.8	1.884	2.870	2.2	20.6	3 2	10 23.53	+40 40.7	1.806	2.685	11.9	21.2
3 12	10 16.29	+8 14.5	1.911	2.870	6.4	20.9	3 12	10 9.72	+39 55.1	1.863	2.695	13.9	21.4
3 22	10 7.91	+8 41.1	1.967	2.869	10.2	21.1	3 22	9 58.71	+38 40.0	1.944	2.705	16.1	21.6
4 1	10 1.66	+8 58.7	2.047	2.867	13.5	21.3	4 1	9 51.14	+37 3.2	2.043	2.713	18.1	21.8
<b>84439</b>	2002 TW <sub>233</sub>		2 25.6 73°72'	3°9'/29.3	18		<b>250127</b>	2002 PS <sub>141</sub>		2 25.6 179°45'	2°2'/27.8	18	
1 22	10 56.11	-3 48.8	2.169	2.935	14.1	19.9	1 22	10 56.58	-0 7.3	2.188	2.969	13.5	21.9
2 1	10 50.85	-4 1.9	2.103	2.959	11.2	19.8	2 1	10 51.39	+0 10.9	2.099	2.971	10.5	21.7
2 11	10 43.81	-3 58.1	2.059	2.983	8.0	19.6	2 11	10 44.29	+0 45.1	2.034	2.972	7.1	21.5
2 21	10 35.63	-3 38.6	2.042	3.007	5.0	19.5	2 21	10 35.85	+1 32.9	1.996	2.973	3.6	21.3
3 2	10 27.13	-3 6.4	2.054	3.030	3.9	19.4	3 2	10 26.89	+2 29.9	1.988	2.973	2.6	21.2
3 12	10 19.20	-2 26.4	2.095	3.054	5.9	19.6	3 12	10 18.34	+3 30.4	2.010	2.972	5.8	21.4
3 22	10 12.59	-1 43.7	2.163	3.077	8.8	19.8	3 22	10 11.05	+4 28.5	2.060	2.970	9.4	21.7
4 1	10 7.84	-1 3.2	2.256	3.100	11.6	20.0	4 1	10 5.64	+5 19.4	2.135	2.968	12.6	21.9
<b>365484</b>	2010 PM <sub>63</sub>		2 25.6 189°57'	1°0'/26.5	18		<b>465966</b>	2011 BT <sub>122</sub>		2 25.6 323°09'	0°1'/25.6	17	
1 22	10 57.84	+3 57.3	2.156	2.952	13.2	22.0	1 22	10 55.18	+7 16.1	1.769	2.593	14.5	21.2
2 1	10 52.37	+4 18.5	2.066	2.951	10.1	21.8	2 1	10 50.77	+7 37.8	1.687	2.589	10.9	21.0
2 11	10 44.90	+4 52.9	2.001	2.949	6.4	21.5	2 11	10 44.10	+8 12.2	1.628	2.585	6.8	20.7
2 21	10 36.03	+5 37.4	1.964	2.947	2.5	21.3	2 21	10 35.83	+8 55.1	1.596	2.582	2.2	20.4
3 2	10 26.61	+6 27.1	1.957	2.944	2.1	21.3	3 2	10 26.93	+9 40.5	1.591	2.578	2.6	20.4
3 12	10 17.61	+7 16.4	1.980	2.940	6.1	21.5	3 12	10 18.56	+10 22.0	1.615	2.575	7.2	20.7
3 22	10 9.91	+8 0.4	2.031	2.936	9.8	21.7	3 22	10 11.71	+10 54.5	1.664	2.572	11.4	21.0
4 1	10 4.17	+8 35.1	2.106	2.930	13.1	21.9	4 1	10 7.11	+11 14.4	1.735	2.569	15.0	21.2
<b>143680</b>	2003 SU <sub>242</sub>		2 25.6 306°72'	0°1'/25.6	18		<b>473139</b>	2015 KT <sub>3</sub>		2 25.6 234°69'	3°3'/29.1	18	
1 22	10 54.57	+6 39.3	1.423	2.258	16.7	20.0	1 22	10 53.94	-3 8.5	2.607	3.369	12.1	20.7
2 1	10 50.98	+7 5.1	1.332	2.240	12.7	19.7	2 1	10 49.21	-3 18.7	2.506	3.361	9.7	20.6
2 11	10 44.59	+7 48.6	1.263	2.222	8.0	19.4	2 11	10 42.87	-3 15.0	2.429	3.353	7.0	20.4
2 21	10 36.05	+8 45.0	1.218	2.204	2.6	19.0	2 21	10 35.39	-2 58.1	2.380	3.345	4.3	20.2
3 2	10 26.51	+9 46.6	1.200	2.187	3.1	19.0	3 2	10 27.43	-2 30.2	2.360	3.337	3.4	20.1
3 12	10 17.42	+10 44.3	1.208	2.170	8.7	19.3	3 12	10 19.76	-1 54.9	2.369	3.328	5.3	20.2
3 22	10 10.11	+11 30.5	1.239	2.154	13.8	19.5	3 22	10 13.05	-1 16.4	2.407	3.319	8.1	20.4
4 1	10 5.60	+12 0.1	1.291	2.138	18.3	19.7	4 1	10 7.89	-0 39.1	2.471	3.310	10.9	20.5
<b>222808</b>	2002 CY <sub>254</sub>		2 25.6 308°27'	4°6'/29.3	17		<b>300177</b>	2006 WD <sub>33</sub>		2 25.6 160°46'	3°8'/20.9	17	
1 22	10 52.65	-4 11.9	1.752	2.537	16.2	20.2	1 22	10 53.73	+20 35.1	2.670	3.502	9.9	21.4
2 1	10 49.05	-4 20.3	1.653	2.521	13.1	20.0	2 1	10 49.00	+21 33.3	2.600	3.505	7.4	21.2
2 11	10 43.16	-4 7.1	1.575	2.504	9.6	19.7	2 11	10 42.68	+22 32.2	2.556	3.508	5.0	21.1
2 21	10 35.55	-3 32.3	1.521	2.488	6.1	19.5	2 21	10 35.31	+23 26.3	2.541	3.510	3.8	21.0
3 2	10 27.12	-2 39.0	1.494	2.473	4.6	19.3	3 2	10 27.58	+24 10.4	2.557	3.513	5.0	21.1
3 12	10 19.04	-1 33.5	1.494	2.457	7.3	19.5	3 12	10 20.26	+24 41.0	2.601	3.515	7.4	21.2
3 22	10 12.35	-0 23.7	1.519	2.442	11.2	19.6	3 22	10 14.03	+24 56.1	2.671	3.517	9.9	21.4
4 1	10 7.90	+0 42.6	1.567	2.428	15.0	19.8	4 1	10 9.39	+24 55.8	2.764	3.519	12.1	21.6
<b>173075</b>	2006 UC		2 25.6 52°53'	8°1'/4.9	17		<b>49872</b>	1999 XT <sub>124</sub>		2 25.6 212°49'	1°7'/24.3	18	
1 22	10 53.85	-16 12.7	2.226	2.921	15.7	20.0	1 22	11 1.75	+11 26.4	1.726	2.550	14.7	

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>83626</b>	2001 SQ <sub>313</sub>		2 25.6 226°36	2.7/22.5	18		<b>132414</b>	2002 GL <sub>125</sub>		2 25.6 188°92	1.0/26.5	18	
1 22	10 52.63	+14 45.3	2.388	3.219	10.9	19.5	1 22	10 57.16	+3 32.4	2.005	2.806	13.9	20.6
2 1	10 48.38	+15 49.8	2.307	3.215	8.0	19.3	2 1	10 52.03	+4 4.1	1.918	2.805	10.6	20.4
2 11	10 42.41	+17 0.2	2.252	3.211	5.0	19.1	2 11	10 44.79	+4 51.0	1.854	2.804	6.8	20.2
2 21	10 35.25	+18 10.8	2.226	3.207	2.7	19.0	2 21	10 36.07	+5 49.3	1.818	2.802	2.6	19.9
3 2	10 27.64	+19 15.4	2.230	3.202	4.1	19.0	3 2	10 26.77	+6 53.5	1.812	2.799	2.2	19.9
3 12	10 20.40	+20 8.7	2.263	3.198	7.2	19.2	3 12	10 17.91	+7 56.7	1.835	2.796	6.4	20.1
3 22	10 14.27	+20 47.2	2.323	3.194	10.2	19.4	3 22	10 10.42	+8 53.0	1.886	2.792	10.4	20.4
4 1	10 9.85	+21 9.4	2.406	3.189	12.9	19.6	4 1	10 5.01	+9 38.1	1.960	2.787	13.8	20.6
<b>169004</b>	2001 DO <sub>36</sub>		2 25.6 95°65	1.5/26.7	18		<b>212740</b>	2007 RZ <sub>273</sub>		2 25.6 84°60	3.4/28.4	18	
1 22	10 59.33	+4 23.9	1.622	2.434	16.1	20.1	1 22	10 55.22	-2 10.7	1.562	2.360	17.3	20.5
2 1	10 53.92	+4 23.5	1.550	2.443	12.3	19.8	2 1	10 50.99	-1 54.1	1.488	2.367	13.6	20.3
2 11	10 46.03	+4 38.0	1.501	2.452	7.9	19.6	2 11	10 44.32	-1 13.9	1.436	2.375	9.4	20.1
2 21	10 36.44	+5 4.3	1.478	2.461	3.2	19.3	2 21	10 35.94	-0 12.9	1.407	2.382	5.1	19.9
3 2	10 26.29	+5 37.0	1.483	2.470	2.6	19.3	3 2	10 26.95	+1 2.8	1.406	2.390	3.6	19.8
3 12	10 16.86	+6 10.1	1.515	2.479	7.2	19.6	3 12	10 18.61	+2 24.2	1.431	2.397	7.2	20.0
3 22	10 9.21	+6 38.1	1.574	2.487	11.5	19.9	3 22	10 11.97	+3 42.4	1.483	2.405	11.5	20.3
4 1	10 4.09	+6 57.1	1.654	2.496	15.3	20.1	4 1	10 7.80	+4 50.1	1.557	2.412	15.3	20.5
<b>41826</b>	2000 WH <sub>49</sub>		2 25.6 87°93	4.1/22.0	18		<b>350423</b>	2012 VO <sub>72</sub>		2 25.6 240°33	1.4/24.0	17	
1 22	10 58.43	+15 24.4	1.595	2.437	14.9	18.9	1 22	10 52.68	+11 25.7	2.440	3.262	11.0	21.4
2 1	10 53.19	+16 54.0	1.547	2.460	10.9	18.7	2 1	10 48.36	+12 8.2	2.355	3.259	8.1	21.2
2 11	10 45.50	+18 29.8	1.523	2.482	6.8	18.5	2 11	10 42.38	+12 58.0	2.297	3.256	4.9	21.0
2 21	10 36.23	+20 1.8	1.526	2.505	4.1	18.4	2 21	10 35.27	+13 50.6	2.267	3.252	1.8	20.8
3 2	10 26.58	+21 20.2	1.558	2.527	6.0	18.5	3 2	10 27.73	+14 41.0	2.267	3.248	2.9	20.8
3 12	10 17.81	+22 17.7	1.617	2.549	9.7	18.8	3 12	10 20.56	+15 24.1	2.296	3.245	6.2	21.0
3 22	10 10.93	+22 51.7	1.700	2.570	13.3	19.1	3 22	10 14.46	+15 56.6	2.353	3.241	9.4	21.2
4 1	10 6.59	+23 2.8	1.803	2.591	16.4	19.3	4 1	10 10.01	+16 16.5	2.434	3.237	12.1	21.4
<b>283589</b>	2001 XQ <sub>233</sub>		2 25.6 83°67	3.6/29.4	17		<b>246245</b>	2007 SX <sub>5</sub>		2 25.6 197°96	0.9/26.4	18	
1 22	10 53.37	-4 2.5	2.395	3.159	12.9	20.6	1 22	10 58.13	+4 7.7	2.032	2.832	13.7	21.6
2 1	10 48.78	-4 6.9	2.317	3.172	10.4	20.4	2 1	10 52.75	+4 34.2	1.942	2.829	10.5	21.4
2 11	10 42.57	-3 55.3	2.262	3.185	7.5	20.2	2 11	10 45.25	+5 14.9	1.875	2.825	6.7	21.1
2 21	10 35.28	-3 29.0	2.233	3.197	4.7	20.1	2 21	10 36.23	+6 6.4	1.836	2.820	2.5	20.8
3 2	10 27.63	-2 50.9	2.233	3.210	3.6	20.0	3 2	10 26.59	+7 3.2	1.827	2.815	2.2	20.8
3 12	10 20.42	-2 5.5	2.263	3.222	5.5	20.2	3 12	10 17.39	+7 59.2	1.848	2.808	6.4	21.1
3 22	10 14.31	-1 17.6	2.320	3.235	8.3	20.4	3 22	10 9.54	+8 48.6	1.896	2.801	10.4	21.3
4 1	10 9.85	-0 32.1	2.403	3.247	11.0	20.5	4 1	10 3.77	+9 27.4	1.969	2.794	13.8	21.5
<b>131746</b>	2001 YW <sub>130</sub>		2 25.6 66°10	5.4/21.5	18		<b>374529</b>	2006 AZ <sub>53</sub>		2 25.6 156°46	2.4/27.8	17	
1 22	10 58.28	+18 13.2	1.390	2.242	16.0	19.5	1 22	10 55.20	+0 39.2	2.014	2.806	14.1	21.4
2 1	10 53.58	+19 30.8	1.333	2.250	11.9	19.3	2 1	10 50.52	+0 42.5	1.929	2.807	11.0	21.2
2 11	10 45.99	+20 53.1	1.299	2.258	7.8	19.1	2 11	10 43.84	+1 1.5	1.867	2.808	7.4	20.9
2 21	10 36.45	+22 9.3	1.291	2.267	5.4	19.0	2 21	10 35.76	+1 34.0	1.832	2.809	3.8	20.7
3 2	10 26.31	+23 8.7	1.309	2.275	7.4	19.1	3 2	10 27.15	+2 16.0	1.826	2.810	2.8	20.6
3 12	10 17.10	+23 44.2	1.352	2.284	11.3	19.3	3 12	10 19.01	+3 2.0	1.848	2.811	6.1	20.9
3 22	10 10.03	+23 53.6	1.418	2.292	15.3	19.6	3 22	10 12.18	+3 46.6	1.897	2.812	9.8	21.1
4 1	10 5.88	+23 38.5	1.503	2.301	18.6	19.9	4 1	10 7.35	+4 24.8	1.970	2.813	13.1	21.3
<b>114019</b>	2002 UC <sub>45</sub>		2 25.6 146°39	4.3/20.7	18		<b>363229</b>	2001 WW <sub>85</sub>		2 25.6 152°82	10.8/11.5	18	
1 22	10 55.06	+21 5.2	2.389	3.224	10.8	20.0	1 22	10 58.37	-31 41.7	2.777	3.316	15.6	21.5
2 1	10 50.16	+22 10.5	2.322	3.229	8.1	19.8	2 1	10 52.68	-32 41.9	2.691	3.326	14.5	21.4
2 11	10 43.46	+23 16.3	2.282	3.233	5.5	19.7	2 11	10 45.09	-33 17.0	2.620	3.336	13.2	21.3
2 21	10 35.58	+24 16.2	2.270	3.238	4.3	19.6	2 21	10 36.16	-33 23.5	2.569	3.346	12.0	21.2
3 2	10 27.30	+25 4.3	2.288	3.242	5.7	19.7	3 2	10 26.67	-32 59.9	2.540	3.354	11.1	21.1
3 12	10 19.51	+25 36.3	2.334	3.246	8.2	19.9	3 12	10 17.54	-32 7.8	2.534	3.362	10.8	21.1
3 22	10 12.97	+25 50.6	2.406	3.250	10.9	20.0	3 22	10 9.59	-30 52.1	2.552	3.369	11.2	21.2
4 1	10 8.23	+25 47.5	2.500	3.253	13.2	20.2	4 1	10 3.47	-29 19.8	2.593	3.375	12.1	21.2
<b>259229</b>	2003 BR <sub>29</sub>		2 25.6 107°47	2.7/22.9	18		<b>209631</b>	2005 AL <sub>56</sub>		2 25.6 164°19	2.3/27.4	18	
1 22	10 55.29	+12 34.7	1.842	2.676	13.5	20.4	1 22	10 59.25	+1 30.2	1.895	2.687	14.9	20.8
2 1	10 50.69	+13 50.0	1.777	2.687	9.9	20.2	2 1	10 53.64	+1 32.8	1.813	2.692	11.5	20.5
2 11	10 43.95	+15 14.3	1.737	2.697	6.0	20.0	2 11	10 45.80	+1 51.2	1.754	2.696	7.7	20.3
2 21	10 35.76	+16 40.1	1.725	2.708	2.8	19.8	2 21	10 36.40	+2 22.9	1.721	2.700	3.7	20.1
3 2	10 27.10	+17 58.8	1.741	2.718	4.5	20.0	3 2	10 26.43	+3 3.7	1.718	2.703	2.8	20.0
3 12	10 19.05	+19 3.2	1.787	2.728	8.3	20.2	3 12	10 17.00	+3 47.6	1.743	2.706	6.5	20.3
3 22	10 12.54	+19 49.2	1.857	2.738	11.9	20.5	3 22	10 9.08	+4 29.1	1.796	2.708	10.5	20.5
4 1	10 8.20	+20 15.3	1.950	2.747	15.0	20.7	4 1	10 3.39	+5 3.4	1.873	2.709	13.9	20.7
<b>42172</b>	2001 CR <sub>17</sub>		2 25.6 231°44	2.3/22.7	18		<b>457766</b>	2009 KT <sub>2</sub>		2 25.6 300°30	10.8/15.4	18	
1 22	10 51.53	+14 45.3	2.654	3.483	10.0	19.5	1 22	10 58.81	+32 6.0	1.506	2.354	15.2	20.8
2 1	10 47.39	+15 41.2	2.573	3.480	7.4	19.3	2 1	10 54.44	+34 2.3	1.441	2.339	12.7	20.6
2 11	10 41.73	+16 42.0	2.519	3.477	4.5	19.1	2 11	10 46.84	+35 51.3	1.400	2.323	11.0	20.4
2 21	10 35.04	+17 42.9	2.493	3.475	2.4	19.0	2 21	10 36.85	+37 18.9	1.382	2.308	11.2	20.4
3 2	10 27.95	+18 38.7	2.498	3.472	3.6	19.0	3 2	10 25.87	+38 13.3	1.389	2.293	13.1	20.5
3 12	10 21.21	+19 24.8	2.533	3.469	6.5	19.2	3 12	10 15.67	+38 28.5	1.417	2.278	15.9	20.6
3 22	10 15.46	+19 58.3	2.594	3.466	9.2	19.4	3 22	10 7.71	+38 5.5	1.465	2.263	18.9	20.8
4 1	10 11.21	+20 17.8	2.679	3.463	11.7	19.6	4 1	10 2.98	+37 9.4	1.529	2.249	21.6	20.9
<b>1864</b>	Daedalus		2 25.6 165°42	9.6/20.2	18 R		<b>434831</b>	2006 SF <sub>39</sub>		2 25.6 122°02	0.9/24.6	17	
1 22	11 31.73	+28 57.1	1.509	2.307	17.8	18.5	1 22	10 57.14	+11 5				

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>318841</b>	2005 SZ <sub>266</sub>		2 25.6 289°49	3°2/28.8	17		<b>415320</b>	2013 HW <sub>15</sub>		2 25.6 277°52	2°0/26.9	16	
1 22	10 51.54	- 4 2.1	1.748	2.535	16.1	21.0	1 22	10 57.87	+ 3 20.1	1.622	2.433	16.1	21.3
2 1	10 48.22	- 3 20.7	1.650	2.523	12.9	20.8	2 1	10 53.15	+ 3 14.9	1.529	2.420	12.5	21.0
2 11	10 42.67	- 2 12.9	1.575	2.511	9.0	20.5	2 11	10 45.81	+ 3 25.7	1.458	2.407	8.3	20.7
2 21	10 35.46	- 0 41.2	1.524	2.498	5.0	20.2	2 21	10 36.52	+ 3 50.4	1.413	2.395	3.7	20.4
3 2	10 27.50	+ 1 8.2	1.501	2.486	3.4	20.1	3 2	10 26.34	+ 4 24.4	1.395	2.382	2.9	20.3
3 12	10 19.91	+ 3 5.4	1.507	2.473	6.9	20.3	3 12	10 16.60	+ 5 1.4	1.404	2.369	7.5	20.6
3 22	10 13.70	+ 5 0.0	1.539	2.461	11.1	20.5	3 22	10 8.51	+ 5 35.1	1.439	2.356	12.2	20.8
4 1	10 9.70	+ 6 42.9	1.596	2.449	15.1	20.7	4 1	10 2.97	+ 6 0.6	1.496	2.343	16.3	21.0
<b>34460</b>	2000 SV <sub>91</sub>		2 25.6 58°90	5°6/3.3	18		<b>15182</b>	9538 P-L		2 25.6 228°37	0°1/25.7	18	
1 22	10 50.99	-11 50.3	2.262	2.990	14.6	18.5	1 22	10 57.13	+ 6 10.6	1.500	2.326	16.5	18.5
2 1	10 47.18	-11 46.2	2.181	3.002	12.2	18.3	2 1	10 52.65	+ 6 44.4	1.421	2.324	12.5	18.2
2 11	10 41.69	-11 19.4	2.122	3.014	9.6	18.2	2 11	10 45.49	+ 7 35.2	1.364	2.321	7.8	18.0
2 21	10 35.06	-10 30.5	2.087	3.026	7.0	18.0	2 21	10 36.39	+ 8 37.8	1.332	2.318	2.5	17.6
3 2	10 28.04	- 9 22.3	2.079	3.039	5.7	18.0	3 2	10 26.52	+ 9 44.2	1.328	2.315	2.9	17.6
3 12	10 21.46	- 8 0.7	2.100	3.051	6.5	18.0	3 12	10 17.27	+10 45.6	1.351	2.312	8.2	17.9
3 22	10 16.02	- 6 32.5	2.148	3.064	8.8	18.2	3 22	10 9.83	+11 35.1	1.398	2.309	12.9	18.2
4 1	10 12.28	- 5 4.9	2.222	3.077	11.4	18.4	4 1	10 5.07	+12 8.2	1.467	2.305	17.0	18.4
<b>142037</b>	2002 QJ <sub>13</sub>		2 25.6 190°89	1°6/27.1	18		<b>197597</b>	2004 HZ <sub>61</sub>		2 25.6 237°01	1°6/24.2	18	
1 22	10 55.72	+ 1 48.4	1.919	2.718	14.5	20.8	1 22	10 57.41	+ 9 8.5	1.650	2.478	15.1	20.4
2 1	10 51.04	+ 2 16.8	1.833	2.717	11.2	20.6	2 1	10 52.80	+10 11.9	1.561	2.467	11.3	20.1
2 11	10 44.24	+ 3 2.3	1.769	2.716	7.3	20.3	2 11	10 45.60	+11 31.0	1.495	2.455	6.9	19.8
2 21	10 35.93	+ 4 1.7	1.733	2.715	3.2	20.1	2 21	10 36.45	+12 58.9	1.456	2.442	2.4	19.5
3 2	10 27.02	+ 5 9.1	1.726	2.713	2.4	20.0	3 2	10 26.44	+14 26.1	1.446	2.428	3.9	19.6
3 12	10 18.57	+ 6 17.6	1.747	2.710	6.4	20.3	3 12	10 16.86	+15 43.2	1.463	2.414	8.7	19.8
3 22	10 11.52	+ 7 20.5	1.796	2.707	10.5	20.5	3 22	10 8.93	+16 43.2	1.506	2.400	13.3	20.1
4 1	10 6.57	+ 8 12.6	1.868	2.704	14.0	20.7	4 1	10 3.53	+17 22.5	1.570	2.385	17.2	20.3
<b>460163</b>	2014 QF <sub>22</sub>		2 25.6 84°95	3°2/28.1	18		<b>457528</b>	2008 WP <sub>54</sub>		2 25.6 150°14	2°4/27.6	18	
1 22	10 57.65	- 0 23.3	1.635	2.432	16.6	21.3	1 22	10 59.80	+ 0 24.3	1.895	2.682	15.1	22.7
2 1	10 52.65	- 0 26.7	1.564	2.444	13.0	21.1	2 1	10 54.01	+ 0 35.6	1.817	2.692	11.7	22.5
2 11	10 45.27	- 0 10.8	1.516	2.456	8.9	20.9	2 11	10 46.02	+ 1 4.1	1.762	2.702	7.9	22.2
2 21	10 36.25	+ 0 22.2	1.492	2.468	4.7	20.6	2 21	10 36.50	+ 1 47.0	1.733	2.711	3.9	22.0
3 2	10 26.69	+ 1 7.7	1.496	2.480	3.5	20.6	3 2	10 26.46	+ 2 39.5	1.734	2.719	2.9	22.0
3 12	10 17.83	+ 1 58.6	1.527	2.492	7.0	20.8	3 12	10 17.00	+ 3 35.2	1.764	2.726	6.5	22.2
3 22	10 10.68	+ 2 48.1	1.585	2.504	11.1	21.1	3 22	10 9.08	+ 4 27.8	1.822	2.733	10.4	22.4
4 1	10 5.96	+ 3 30.4	1.665	2.515	14.7	21.3	4 1	10 3.39	+ 5 12.4	1.903	2.739	13.8	22.7
<b>277833</b>	2006 HU <sub>45</sub>		2 25.6 146°98	1°5/24.1	18		<b>498202</b>	2007 TF <sub>378</sub>		2 25.6 154°66	2°7/28.8	17	
1 22	10 54.93	+11 20.7	2.231	3.053	11.9	21.4	1 22	10 52.36	- 2 49.2	2.544	3.312	12.2	22.6
2 1	10 50.13	+12 3.0	2.155	3.058	8.8	21.2	2 1	10 48.03	- 2 29.6	2.456	3.317	9.6	22.4
2 11	10 43.50	+12 53.0	2.104	3.062	5.3	21.0	2 11	10 42.16	- 1 54.5	2.391	3.321	6.7	22.2
2 21	10 35.65	+13 45.8	2.081	3.066	1.9	20.8	2 21	10 35.24	- 1 5.7	2.354	3.325	3.9	22.0
3 2	10 27.38	+14 35.6	2.088	3.070	3.1	20.8	3 2	10 27.92	- 0 7.0	2.347	3.329	2.8	22.0
3 12	10 19.57	+15 17.4	2.125	3.074	6.6	21.1	3 12	10 20.96	+ 0 56.7	2.370	3.332	5.1	22.1
3 22	10 13.01	+15 47.6	2.189	3.077	10.0	21.3	3 22	10 15.01	+ 2 0.2	2.421	3.335	8.0	22.3
4 1	10 8.28	+16 4.4	2.276	3.081	12.8	21.5	4 1	10 10.59	+ 2 58.8	2.498	3.338	10.8	22.5
<b>417199</b>	2005 WH <sub>208</sub>		2 25.6 254°29	0°8/26.4	17		<b>222343</b>	2000 WC <sub>10</sub>		2 25.6 86°03	0°9/26.4	18	
1 22	10 55.01	+ 4 56.6	2.003	2.812	13.6	21.5	1 22	10 56.66	+ 4 39.0	1.940	2.747	14.0	20.9
2 1	10 50.44	+ 5 13.8	1.916	2.808	10.3	21.3	2 1	10 51.52	+ 4 58.3	1.874	2.765	10.6	20.7
2 11	10 43.84	+ 5 44.1	1.852	2.804	6.6	21.1	2 11	10 44.39	+ 5 30.8	1.832	2.783	6.7	20.5
2 21	10 35.80	+ 6 24.2	1.815	2.799	2.5	20.8	2 21	10 35.95	+ 6 12.6	1.817	2.801	2.5	20.3
3 2	10 27.19	+ 7 9.2	1.807	2.795	2.2	20.8	3 2	10 27.14	+ 6 58.5	1.831	2.818	2.2	20.3
3 12	10 19.02	+ 7 53.3	1.828	2.790	6.3	21.0	3 12	10 18.97	+ 7 42.5	1.874	2.836	6.2	20.6
3 22	10 12.17	+ 8 31.5	1.876	2.786	10.2	21.2	3 22	10 12.26	+ 8 20.1	1.944	2.853	9.9	20.9
4 1	10 7.33	+ 9 0.1	1.947	2.781	13.6	21.5	4 1	10 7.62	+ 8 47.7	2.038	2.870	13.1	21.1
<b>336938</b>	2011 HS <sub>65</sub>		2 25.6 173°98	2°8/22.3	17		<b>355787</b>	2008 SM <sub>43</sub>		2 25.6 79°88	1°5/24.6	16	
1 22	10 54.22	+15 41.4	2.457	3.285	10.7	21.4	1 22	11 1.98	+10 22.1	1.402	2.235	17.0	22.1
2 1	10 49.51	+16 46.0	2.381	3.287	7.9	21.2	2 1	10 56.03	+10 57.1	1.351	2.259	12.6	21.9
2 11	10 43.09	+17 55.3	2.332	3.289	4.9	21.0	2 11	10 47.34	+11 43.3	1.323	2.283	7.6	21.6
2 21	10 35.52	+19 3.7	2.311	3.290	2.9	20.9	2 21	10 36.91	+12 33.4	1.320	2.306	2.5	21.4
3 2	10 27.53	+20 5.1	2.321	3.291	4.2	21.0	3 2	10 26.10	+13 19.3	1.345	2.329	3.7	21.5
3 12	10 19.94	+20 54.5	2.361	3.292	7.1	21.2	3 12	10 16.36	+13 53.9	1.397	2.352	8.6	21.9
3 22	10 13.49	+21 28.9	2.427	3.292	10.0	21.4	3 22	10 8.82	+14 13.4	1.474	2.375	13.0	22.2
4 1	10 8.73	+21 47.4	2.517	3.292	12.6	21.5	4 1	10 4.12	+14 16.6	1.571	2.397	16.7	22.5
<b>179977</b>	2002 XA <sub>43</sub>		2 25.6 152°48	3°0/22.7	18		<b>281709</b>	2008 WF <sub>103</sub>		2 25.6 33°52	7°3/17.8	18	
1 22	10 57.46	+15 11.3	2.040	2.871	12.5	20.1	1 22	10 54.41	+26 15.7	1.870	2.718	12.7	19.6
2 1	10 52.18	+16 11.4	1.970	2.877	9.3	19.9	2 1	10 50.25	+27 59.9	1.816	2.723	9.9	19.4
2 11	10 44.83	+17 17.2	1.926	2.884	5.7	19.7	2 11	10 43.81	+29 40.8	1.788	2.728	7.8	19.3
2 21	10 36.10	+18 21.9	1.909	2.890	3.1	19.5	2 21	10 35.81	+31 8.5	1.787	2.733	7.4	19.3
3 2	10 26.89	+19 18.5	1.922	2.895	4.6	19.6	3 2	10 27.29	+32 14.3	1.812	2.739	9.0	19.4
3 12	10 18.25	+20 1.4	1.964	2.900	8.0	19.8	3 12	10 19.43	+32 53.2	1.863	2.745	11.6	19.6
3 22	10 11.06	+20 27.6	2.032	2.904	11.4	20.1	3 22	10 13.20	+33 4.6	1.936	2.751	14.3	19.7
4 1	10 5.96	+20 36.4	2.122	2.908	14.3	20.3	4 1	10 9.27	+32 50.7	2.028	2.758	16.6	19.9
<b>156498</b>	2002 CZ <sub>129</sub>		2 25.6 263°35	1°2/26.7	17		<b>340622</b>	2006 QN <sub>114</sub>		2 25.6 135°98	2°5/28.5	18	
1 22	10 54.38	+ 3 29.8	1.921	2.									

EPHEMERIDES

2 25.6

2 25.6

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>432028</b>	2008 WY <sub>37</sub>		2 25.6	72°24	3°3/28.8	17	<b>472980</b>	2015 HP <sub>4</sub>		2 25.6	257°06	1°8/27.3	17
1 22	10 53.41	- 2 28.9	2.095	2.875	14.1	21.5	1 22	10 55.41	+ 2 49.0	2.350	3.142	12.3	20.7
2 1	10 49.12	- 2 24.5	2.013	2.880	11.1	21.3	2 1	10 50.50	+ 2 44.5	2.254	3.134	9.6	20.5
2 11	10 42.96	- 2 2.6	1.953	2.885	7.8	21.1	2 11	10 43.79	+ 2 51.5	2.183	3.126	6.3	20.3
2 21	10 35.53	- 1 24.9	1.920	2.891	4.6	20.9	2 21	10 35.82	+ 3 8.2	2.139	3.118	3.0	20.0
3 2	10 27.62	- 0 35.2	1.915	2.896	3.4	20.8	3 2	10 27.32	+ 3 31.5	2.124	3.110	2.3	20.0
3 12	10 20.17	+ 0 21.0	1.938	2.901	5.9	21.0	3 12	10 19.17	+ 3 57.6	2.140	3.102	5.5	20.2
3 22	10 13.96	+ 1 17.6	1.989	2.907	9.3	21.2	3 22	10 12.13	+ 4 22.4	2.183	3.094	8.9	20.4
4 1	10 9.61	+ 2 9.4	2.064	2.912	12.4	21.4	4 1	10 6.83	+ 4 42.3	2.251	3.085	12.0	20.5
<b>350953</b>	2002 XD <sub>28</sub>		2 25.6	117°42	5°6/21.2	18	<b>206752</b>	2004 BT <sub>150</sub>		2 25.6	71°45	2°2/27.6	18
1 22	11 3.26	+20 11.8	1.613	2.451	14.9	21.6	1 22	10 56.03	+ 1 43.7	2.125	2.917	13.5	20.0
2 1	10 56.88	+21 33.0	1.563	2.471	11.1	21.4	2 1	10 50.95	+ 1 37.8	2.052	2.931	10.4	19.9
2 11	10 47.85	+22 55.1	1.537	2.490	7.5	21.3	2 11	10 44.02	+ 1 45.2	2.002	2.944	6.9	19.7
2 21	10 37.09	+24 8.1	1.538	2.508	5.6	21.2	2 21	10 35.86	+ 2 3.9	1.980	2.958	3.4	19.5
3 2	10 25.90	+25 2.6	1.568	2.526	7.3	21.3	3 2	10 27.32	+ 2 30.4	1.987	2.972	2.6	19.4
3 12	10 15.71	+25 33.2	1.624	2.543	10.7	21.6	3 12	10 19.32	+ 3 0.1	2.023	2.986	5.7	19.7
3 22	10 7.58	+25 39.2	1.704	2.559	14.1	21.8	3 22	10 12.63	+ 3 28.7	2.086	3.000	9.1	19.9
4 1	10 2.23	+25 22.9	1.805	2.574	17.0	22.0	4 1	10 7.83	+ 3 52.2	2.174	3.013	12.2	20.1
<b>348895</b>	2006 SS <sub>334</sub>		2 25.6	215°54	0°8/24.7	17	<b>401132</b>	2011 UF <sub>316</sub>		2 25.6	203°70	3°8/22.3	17
1 22	10 53.02	+ 9 30.3	2.676	3.489	10.4	21.9	1 22	11 0.87	+17 19.6	1.924	2.754	13.2	22.4
2 1	10 48.51	+10 8.0	2.585	3.483	7.7	21.7	2 1	10 55.00	+18 15.8	1.844	2.750	9.9	22.2
2 11	10 42.46	+10 53.7	2.521	3.477	4.7	21.5	2 11	10 46.75	+19 16.6	1.788	2.745	6.3	21.9
2 21	10 35.35	+11 43.4	2.485	3.471	1.5	21.3	2 21	10 36.80	+20 14.6	1.761	2.739	3.9	21.8
3 2	10 27.82	+12 32.7	2.480	3.464	2.3	21.3	3 2	10 26.20	+21 2.2	1.763	2.732	5.4	21.9
3 12	10 20.61	+13 17.2	2.506	3.458	5.5	21.5	3 12	10 16.15	+21 33.6	1.793	2.724	9.0	22.1
3 22	10 14.36	+13 53.3	2.559	3.450	8.6	21.7	3 22	10 7.70	+21 46.2	1.849	2.716	12.6	22.3
4 1	10 9.62	+14 18.7	2.637	3.443	11.3	21.9	4 1	10 1.61	+21 39.9	1.927	2.707	15.7	22.4
<b>365575</b>	2010 TA <sub>104</sub>		2 25.6	248°12	1°3/24.5	16	<b>83925</b>	2001 VS <sub>25</sub>		2 25.6	156°28	4°7/20.3	18
1 22	10 57.22	+ 9 55.6	1.851	2.675	13.9	22.2	1 22	10 55.54	+23 26.4	2.508	3.341	10.4	20.1
2 1	10 52.41	+10 38.7	1.758	2.661	10.4	21.9	2 1	10 50.49	+24 24.2	2.441	3.344	7.9	19.9
2 11	10 45.24	+11 33.7	1.688	2.647	6.4	21.6	2 11	10 43.70	+25 20.6	2.400	3.347	5.6	19.8
2 21	10 36.33	+12 35.0	1.646	2.632	2.1	21.3	2 21	10 35.76	+26 9.5	2.388	3.349	4.7	19.7
3 2	10 26.65	+13 35.6	1.633	2.616	3.4	21.4	3 2	10 27.44	+26 45.7	2.405	3.351	5.9	19.8
3 12	10 17.37	+14 28.2	1.648	2.601	7.8	21.6	3 12	10 19.60	+27 5.6	2.450	3.353	8.3	19.9
3 22	10 9.54	+15 7.5	1.689	2.584	12.0	21.8	3 22	10 12.97	+27 8.1	2.520	3.355	10.7	20.1
4 1	10 3.99	+15 30.6	1.753	2.568	15.7	22.0	4 1	10 8.11	+26 53.8	2.612	3.357	12.9	20.3
<b>189866</b>	2003 PK <sub>1</sub>		2 25.6	158°18	1°6/27.2	17	<b>18543</b>	1997 AE		2 25.6	214°54	1°6/27.1	18
1 22	10 56.58	+ 2 39.1	2.437	3.224	12.1	20.6	1 22	10 56.71	+ 2 58.5	2.234	3.027	12.9	18.2
2 1	10 51.20	+ 2 44.1	2.352	3.230	9.3	20.4	2 1	10 51.55	+ 3 1.4	2.140	3.021	9.9	18.0
2 11	10 44.12	+ 3 0.7	2.293	3.236	6.1	20.2	2 11	10 44.47	+ 3 16.7	2.071	3.016	6.5	17.8
2 21	10 35.88	+ 3 26.7	2.261	3.241	2.8	20.0	2 21	10 36.05	+ 3 42.3	2.030	3.010	3.0	17.5
3 2	10 27.24	+ 3 58.7	2.259	3.245	2.1	20.0	3 2	10 27.07	+ 4 14.5	2.018	3.004	2.3	17.5
3 12	10 19.01	+ 4 32.4	2.288	3.249	5.3	20.2	3 12	10 18.47	+ 4 48.8	2.035	2.997	5.8	17.7
3 22	10 11.91	+ 5 3.8	2.345	3.253	8.5	20.4	3 22	10 11.08	+ 5 20.7	2.081	2.990	9.4	17.9
4 1	10 6.52	+ 5 29.7	2.428	3.256	11.4	20.6	4 1	10 5.54	+ 5 46.4	2.151	2.983	12.5	18.1
<b>415854</b>	2001 ST <sub>103</sub>		2 25.6	192°57	0°6/25.1	18	<b>243772</b>	2000 RS <sub>89</sub>		2 25.6	178°34	2°7/27.9	18
1 22	10 57.61	+ 9 6.5	1.935	2.754	13.6	21.3	1 22	10 57.08	- 0 46.1	1.823	2.612	15.5	21.3
2 1	10 52.44	+ 9 30.3	1.853	2.753	10.2	21.1	2 1	10 52.18	- 0 28.0	1.738	2.614	12.1	21.1
2 11	10 45.09	+10 4.2	1.795	2.752	6.2	20.9	2 11	10 45.02	+ 0 9.6	1.675	2.615	8.2	20.9
2 21	10 36.24	+10 43.8	1.765	2.751	1.9	20.6	2 21	10 36.25	+ 1 4.3	1.639	2.616	4.2	20.6
3 2	10 26.82	+11 23.3	1.764	2.749	2.7	20.6	3 2	10 26.85	+ 2 10.7	1.631	2.616	3.0	20.6
3 12	10 17.92	+11 57.2	1.791	2.747	7.0	20.9	3 12	10 17.95	+ 3 21.6	1.651	2.615	6.7	20.8
3 22	10 10.48	+12 21.3	1.845	2.745	10.9	21.1	3 22	10 10.54	+ 4 29.5	1.699	2.614	10.7	21.0
4 1	10 5.19	+12 33.2	1.923	2.743	14.3	21.3	4 1	10 5.37	+ 5 28.4	1.770	2.613	14.4	21.2
<b>26637</b>	2000 HE <sub>82</sub>		2 25.6	95°08	1°8/27.3	18	<b>270585</b>	2002 KM		2 25.6	264°94	2°9/29.0	17
1 22	10 57.52	+ 1 27.1	1.913	2.707	14.7	19.0	1 22	10 52.69	- 4 25.1	2.403	3.166	12.9	21.7
2 1	10 52.15	+ 1 49.3	1.849	2.731	11.2	18.8	2 1	10 48.60	- 3 45.5	2.285	3.142	10.4	21.4
2 11	10 44.77	+ 2 27.6	1.809	2.754	7.3	18.6	2 11	10 42.73	- 2 45.7	2.190	3.117	7.4	21.2
2 21	10 36.09	+ 3 18.3	1.796	2.776	3.3	18.4	2 21	10 35.52	- 1 27.3	2.122	3.092	4.3	21.0
3 2	10 27.05	+ 4 16.1	1.812	2.798	2.4	18.4	3 2	10 27.66	+ 0 5.5	2.085	3.067	3.0	20.8
3 12	10 18.68	+ 5 14.2	1.857	2.820	6.1	18.7	3 12	10 19.98	+ 1 46.3	2.078	3.040	5.6	21.0
3 22	10 11.83	+ 6 7.1	1.929	2.841	9.9	18.9	3 22	10 13.27	+ 3 27.5	2.100	3.014	9.0	21.1
4 1	10 7.07	+ 6 50.3	2.025	2.861	13.1	19.2	4 1	10 8.20	+ 5 2.5	2.148	2.987	12.3	21.3
<b>377160</b>	2003 SF <sub>327</sub>		2 25.6	125°36	0°6/25.0	17	<b>107827</b>	2001 FS <sub>65</sub>		2 25.6	19°41	2°2/24.1	18
1 22	10 55.39	+ 8 57.8	2.171	2.987	12.4	21.6	1 22	10 54.28	+10 41.3	1.285	2.137	17.1	19.5
2 1	10 50.50	+ 9 28.5	2.095	2.994	9.2	21.4	2 1	10 50.76	+11 32.8	1.223	2.141	12.7	19.2
2 11	10 43.77	+10 8.4	2.044	3.001	5.6	21.2	2 11	10 44.41	+12 38.5	1.183	2.146	7.7	19.0
2 21	10 35.78	+10 53.1	2.021	3.007	1.7	20.9	2 21	10 36.09	+13 49.7	1.166	2.152	2.8	18.7
3 2	10 27.38	+11 37.6	2.028	3.013	2.5	21.0	3 2	10 27.10	+14 56.4	1.175	2.158	4.5	18.8
3 12	10 19.47	+12 16.5	2.064	3.019	6.3	21.3	3 12	10 18.95	+15 49.2	1.210	2.166	9.6	19.1
3 22	10 12.84	+12 46.2	2.127	3.025	9.8	21.5	3 22	10 12.86	+16 22.4	1.267	2.174	14.3	19.4
4 1	10 8.08	+13 4.3	2.214	3.030	12.8	21.7	4 1	10 9.61	+16 34.2	1.344	2.182	18.3	19.7
<b>343012</b>	2009 BU <sub>91</sub>		2 25.6	29°78	0°3/25.4	18	<b>12014</b>	Bobhawkes		2 25.6	326°54	1°1/26.4	18
1 22	10 52.86	+ 7 30.1	1.794	2.621	14.1	20.6	1						

EPHEMERIDES

2 25.6

2 25.7

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>211699</b>	2003 <i>WS</i> <sub>146</sub>		2 25.6 225°41'	4.0°/22.1	18		<b>461726</b>	2005 <i>TH</i> <sub>58</sub>		2 25.7 142°35'	0.4°/26.0	17	
1 22	10 58.50	+17 12.5	1.844	2.680	13.4	20.4	1 22	10 56.28	+5 23.5	2.303	3.104	12.3	22.1
2 1	10 53.36	+18 15.7	1.764	2.673	10.0	20.2	2 1	10 51.06	+5 57.9	2.227	3.116	9.3	21.9
2 11	10 45.80	+19 24.4	1.708	2.665	6.4	20.0	2 11	10 44.08	+6 43.9	2.175	3.127	5.8	21.7
2 21	10 36.53	+20 30.8	1.680	2.657	4.1	19.8	2 21	10 35.92	+7 37.4	2.153	3.137	2.0	21.5
3 2	10 26.56	+21 26.7	1.680	2.648	5.7	19.9	3 2	10 27.38	+8 33.5	2.160	3.147	2.0	21.5
3 12	10 17.12	+22 5.5	1.708	2.639	9.4	20.1	3 12	10 19.31	+9 26.7	2.198	3.156	5.7	21.8
3 22	10 9.28	+22 24.2	1.761	2.630	13.0	20.3	3 22	10 12.46	+10 12.6	2.264	3.165	9.1	22.0
4 1	10 3.81	+22 22.5	1.836	2.620	16.2	20.5	4 1	10 7.38	+10 48.0	2.354	3.173	12.0	22.2
<b>357129</b>	2001 <i>XU</i> <sub>266</sub>		2 25.6 68°04'	1.9°/27.5	17		<b>2769</b>	Mendeleev		2 25.7 3°84'	1°1°/24.6	18	R
1 22	10 59.36	-4 37.8	1.347	2.138	19.9	20.7	1 22	10 52.46	+9 57.1	1.909	2.741	13.2	16.5
2 1	10 53.99	-2 38.9	1.303	2.181	15.2	20.5	2 1	10 48.62	+10 34.1	1.833	2.740	9.8	16.2
2 11	10 46.03	-0 8.8	1.281	2.224	9.9	20.3	2 11	10 42.77	+11 21.2	1.781	2.741	5.9	16.0
2 21	10 36.51	+2 41.9	1.285	2.266	4.3	20.1	2 21	10 35.54	+12 13.3	1.756	2.742	1.9	15.7
3 2	10 26.74	+5 37.8	1.319	2.307	2.8	20.1	3 2	10 27.80	+13 4.1	1.759	2.743	3.0	15.8
3 12	10 18.11	+8 22.5	1.383	2.347	7.7	20.5	3 12	10 20.58	+13 47.6	1.789	2.745	7.1	16.1
3 22	10 11.60	+10 44.2	1.474	2.387	12.3	20.9	3 22	10 14.72	+14 19.3	1.846	2.747	10.8	16.3
4 1	10 7.80	+12 36.9	1.589	2.425	16.0	21.2	4 1	10 10.88	+14 36.9	1.925	2.750	14.1	16.5
<b>419132</b>	2009 <i>SC</i> <sub>245</sub>		2 25.6 91°58'	7.0°/19.6	18		<b>412725</b>	2014 <i>OT</i> <sub>339</sub>		2 25.7 110°01'	1°1°/24.6	18	
1 22	11 1.71	+27 49.8	1.928	2.763	13.0	20.8	1 22	10 58.63	+9 9.5	1.925	2.742	13.7	22.1
2 1	10 55.46	+28 52.6	1.879	2.777	10.2	20.6	2 1	10 53.01	+10 0.7	1.864	2.764	10.1	21.9
2 11	10 46.86	+29 48.9	1.855	2.792	7.8	20.5	2 11	10 45.34	+11 2.2	1.828	2.785	6.1	21.7
2 21	10 36.79	+30 30.4	1.858	2.806	7.0	20.5	2 21	10 36.33	+12 8.0	1.820	2.806	2.0	21.5
3 2	10 26.38	+30 50.7	1.888	2.821	8.3	20.6	3 2	10 26.96	+13 11.1	1.842	2.826	3.0	21.6
3 12	10 16.87	+30 47.0	1.945	2.835	10.8	20.8	3 12	10 18.28	+14 5.2	1.893	2.845	7.0	21.9
3 22	10 9.19	+30 20.4	2.025	2.849	13.4	21.0	3 22	10 11.14	+14 46.1	1.971	2.864	10.7	22.1
4 1	10 3.97	+29 34.2	2.126	2.862	15.7	21.2	4 1	10 6.16	+15 11.9	2.072	2.882	13.8	22.4
<b>374563</b>	2006 <i>BM</i> <sub>222</sub>		2 25.6 98°12'	0°3°/25.4	18		<b>146611</b>	2001 <i>TB</i> <sub>205</sub>		2 25.7 165°71'	3°8°/21.1	18	
1 22	10 54.22	+6 44.7	1.981	2.798	13.4	21.4	1 22	10 57.16	+18 56.7	2.501	3.328	10.6	20.7
2 1	10 49.81	+7 27.9	1.907	2.805	10.0	21.2	2 1	10 51.70	+20 12.9	2.431	3.334	7.9	20.5
2 11	10 43.43	+8 23.8	1.857	2.813	6.1	21.0	2 11	10 44.48	+21 31.4	2.388	3.340	5.2	20.3
2 21	10 35.72	+9 27.4	1.835	2.821	1.9	20.7	2 21	10 36.06	+22 45.8	2.374	3.345	3.8	20.3
3 2	10 27.56	+10 32.3	1.842	2.828	2.4	20.8	3 2	10 27.22	+23 49.7	2.392	3.350	5.1	20.3
3 12	10 19.91	+11 32.0	1.877	2.835	6.6	21.0	3 12	10 18.83	+24 38.5	2.439	3.353	7.8	20.5
3 22	10 13.63	+12 21.3	1.940	2.843	10.3	21.3	3 22	10 11.62	+25 9.7	2.512	3.356	10.5	20.7
4 1	10 9.32	+12 57.0	2.026	2.850	13.5	21.5	4 1	10 6.19	+25 23.3	2.609	3.358	12.8	20.9
<b>169196</b>	2001 <i>RV</i> <sub>56</sub>		2 25.6 100°48'	0°8°/26.6	18		<b>194106</b>	2001 <i>SY</i> <sub>223</sub>		2 25.7 86°14'	2°9°/23.7	18	
1 22	10 52.35	+3 2.3	2.427	3.224	11.8	20.4	1 22	11 1.08	+13 37.9	1.414	2.254	16.5	20.2
2 1	10 48.04	+3 47.7	2.354	3.239	9.0	20.2	2 1	10 55.56	+14 20.9	1.356	2.268	12.2	20.0
2 11	10 42.18	+4 46.0	2.305	3.254	5.7	20.0	2 11	10 47.21	+15 12.1	1.321	2.282	7.4	19.7
2 21	10 35.29	+5 53.3	2.285	3.268	2.2	19.8	2 21	10 36.98	+16 3.5	1.311	2.295	3.2	19.5
3 2	10 28.07	+7 4.6	2.295	3.283	1.8	19.8	3 2	10 26.23	+16 46.4	1.329	2.308	4.9	19.6
3 12	10 21.28	+8 13.9	2.336	3.297	5.2	20.1	3 12	10 16.46	+17 14.0	1.373	2.321	9.5	19.9
3 22	10 15.57	+9 16.5	2.405	3.311	8.4	20.3	3 22	10 8.84	+17 23.5	1.441	2.334	13.8	20.2
4 1	10 11.45	+10 8.7	2.499	3.324	11.2	20.5	4 1	10 4.09	+17 14.5	1.529	2.347	17.4	20.5
<b>447346</b>	2005 <i>YG</i> <sub>164</sub>		2 25.6 56°63'	3°0°/23.6	18		<b>326728</b>	2003 <i>GQ</i> <sub>42</sub>		2 25.7 7°63'	6°1°/19.9	18	
1 22	10 58.65	+12 13.4	1.204	2.055	18.0	21.1	1 22	10 48.07	+15 35.8	1.215	2.087	16.5	18.7
2 1	10 54.01	+13 12.1	1.156	2.073	13.3	20.9	2 1	10 46.35	+17 55.3	1.159	2.088	12.2	18.4
2 11	10 46.34	+14 22.5	1.129	2.092	8.0	20.6	2 11	10 41.83	+20 27.5	1.127	2.090	7.9	18.2
2 21	10 36.69	+15 34.4	1.126	2.111	3.4	20.4	2 21	10 35.32	+22 56.8	1.119	2.094	6.1	18.1
3 2	10 26.54	+16 37.0	1.149	2.130	5.2	20.6	3 2	10 28.08	+25 6.9	1.137	2.099	8.7	18.3
3 12	10 17.52	+17 21.7	1.197	2.149	10.2	20.9	3 12	10 21.62	+26 45.1	1.179	2.106	13.0	18.5
3 22	10 10.86	+17 44.6	1.268	2.168	14.8	21.2	3 22	10 17.16	+27 46.4	1.241	2.114	17.1	18.8
4 1	10 7.26	+17 45.3	1.358	2.188	18.6	21.5	4 1	10 15.53	+28 11.4	1.322	2.123	20.5	19.1
<b>465942</b>	2011 <i>AB</i> <sub>39</sub>		2 25.6 338°04'	0°5°/26.0	17		<b>430451</b>	2000 <i>TH</i> <sub>31</sub>		2 25.7 63°46'	17°5°/19.7	16	
1 22	10 56.37	+6 41.7	1.678	2.501	15.2	21.6	1 22	11 26.53	+43 8.1	0.985	1.810	23.2	21.2
2 1	10 51.83	+6 48.9	1.597	2.497	11.5	21.3	2 1	11 16.33	+44 18.0	0.953	1.821	20.4	21.0
2 11	10 44.89	+7 9.0	1.538	2.493	7.2	21.0	2 11	11 0.42	+44 54.4	0.937	1.833	18.2	20.9
2 21	10 36.25	+7 38.4	1.505	2.490	2.5	20.7	2 21	10 41.13	+44 38.0	0.941	1.844	17.5	20.9
3 2	10 26.94	+8 11.6	1.500	2.487	2.5	20.7	3 2	10 21.91	+43 19.9	0.965	1.856	18.6	21.0
3 12	10 18.20	+8 42.6	1.522	2.485	7.3	21.0	3 12	10 6.01	+41 6.5	1.009	1.869	20.9	21.2
3 22	10 11.06	+9 6.4	1.570	2.482	11.6	21.3	3 22	9 55.18	+38 14.5	1.071	1.881	23.6	21.4
4 1	10 6.32	+9 19.4	1.640	2.480	15.4	21.5	4 1	9 49.76	+35 1.2	1.149	1.893	26.1	21.7
<b>182311</b>	2001 <i>OY</i> <sub>55</sub>		2 25.6 134°11'	4.2°/1.2	18		<b>359022</b>	2008 <i>UU</i> <sub>366</sub>		2 25.7 139°92'	1°8°/24.2	18	
1 22	10 54.63	-7 13.8	2.162	2.914	14.5	20.7	1 22	10 58.44	+10 3.6	1.597	2.427	15.4	21.4
2 1	10 49.98	-6 53.5	2.080	2.925	11.8	20.5	2 1	10 53.43	+11 3.4	1.528	2.435	11.4	21.2
2 11	10 43.48	-6 11.8	2.021	2.936	8.7	20.4	2 11	10 45.87	+12 16.1	1.483	2.442	6.9	20.9
2 21	10 35.74	-5 10.3	1.987	2.947	5.6	20.2	2 21	10 36.57	+13 34.0	1.464	2.449	2.4	20.6
3 2	10 27.56	-3 53.3	1.982	2.957	4.2	20.1	3 2	10 26.67	+14 48.1	1.473	2.456	3.9	20.8
3 12	10 19.85	-2 27.2	2.007	2.967	6.0	20.2	3 12	10 17.47	+15 50.1	1.510	2.461	8.5	21.0
3 22	10 13.39	-0 59.5	2.059	2.976	9.1	20.4	3 22	10 10.07	+16 34.7	1.573	2.467	12.8	21.3
4 1	10 8.77	+0 23.1	2.138	2.984	12.1	20.7	4 1	10 5.22	+16 59.6	1.656	2.472	16.4	21.5
<b>210762</b>	2000 <i>WY</i> <sub>97</sub>		2 25.6 60°03'	0°8°/25.1	18		<b>20370</b>	1998 <i>KR</i> <sub>29</sub>		2 25.7 102°93'	1°4°/24.3	18	

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>56168</b>	1999 <i>FS</i> <sub>5</sub>		2 25.7 301°03	1°4/26.8	18		<b>206885</b>	2004 <i>GC</i> <sub>12</sub>		2 25.7 282°34	2°0/23.1	17	
1 22	10 55.11	+ 3 22.3	1.785	2.595	14.9	19.0	1 22	10 51.48	+ 9 55.3	2.377	3.199	11.2	20.4
2 1	10 50.78	+ 3 37.5	1.700	2.592	11.5	18.7	2 1	10 47.75	+11 31.4	2.273	3.178	8.3	20.2
2 11	10 44.21	+ 4 8.7	1.639	2.589	7.4	18.5	2 11	10 42.25	+13 20.9	2.196	3.156	5.0	19.9
2 21	10 36.05	+ 4 52.6	1.603	2.585	3.1	18.2	2 21	10 35.43	+15 17.4	2.150	3.134	2.1	19.7
3 2	10 27.25	+ 5 43.9	1.595	2.582	2.4	18.1	3 2	10 27.98	+17 12.9	2.135	3.112	3.7	19.8
3 12	10 18.94	+ 6 35.8	1.615	2.579	6.8	18.4	3 12	10 20.73	+18 59.4	2.150	3.090	7.2	19.9
3 22	10 12.11	+ 7 22.3	1.662	2.576	11.0	18.6	3 22	10 14.47	+20 30.5	2.193	3.067	10.6	20.1
4 1	10 7.49	+ 7 58.5	1.731	2.574	14.6	18.9	4 1	10 9.87	+21 42.6	2.261	3.045	13.6	20.3
<b>175797</b>	1999 <i>RO</i> <sub>132</sub>		2 25.7 172°58	2°1/27.6	18		<b>192184</b>	2007 <i>FW</i> <sub>35</sub>		2 25.7 323°06	4°1/29.6	18	
1 22	10 58.04	+ 0 47.4	2.129	2.913	13.7	21.1	1 22	10 49.84	- 5 44.6	1.660	2.447	16.9	19.7
2 1	10 52.59	+ 1 2.3	2.042	2.917	10.7	20.9	2 1	10 47.09	- 5 10.7	1.565	2.434	13.7	19.5
2 11	10 45.15	+ 1 32.7	1.979	2.920	7.1	20.7	2 11	10 42.09	- 4 8.4	1.491	2.422	9.9	19.2
2 21	10 36.32	+ 2 16.0	1.944	2.923	3.5	20.5	2 21	10 35.42	- 2 39.4	1.440	2.410	5.9	19.0
3 2	10 26.96	+ 3 7.8	1.939	2.924	2.5	20.4	3 2	10 28.00	- 0 49.4	1.417	2.399	4.1	18.8
3 12	10 18.06	+ 4 2.3	1.963	2.925	5.9	20.7	3 12	10 20.96	+ 1 11.5	1.421	2.388	7.1	19.0
3 22	10 10.47	+ 4 54.1	2.016	2.925	9.6	20.9	3 22	10 15.35	+ 3 12.0	1.451	2.378	11.3	19.2
4 1	10 4.85	+ 5 38.4	2.093	2.925	12.8	21.1	4 1	10 11.98	+ 5 2.0	1.504	2.368	15.3	19.4
<b>43884</b>	1995 <i>FZ</i> <sub>7</sub>		2 25.7 22°24	7°6/20.0	18		<b>274842</b>	2009 <i>QB</i> <sub>28</sub>		2 25.7 146°23	1°1/26.6	18	
1 22	11 2.53	+27 30.1	1.672	2.512	14.4	19.1	1 22	10 59.70	+ 4 54.1	2.258	3.052	12.7	21.3
2 1	10 56.54	+28 26.0	1.611	2.513	11.3	18.9	2 1	10 53.64	+ 4 54.0	2.178	3.061	9.7	21.2
2 11	10 47.79	+29 15.6	1.574	2.515	8.6	18.8	2 11	10 45.70	+ 5 4.4	2.123	3.070	6.2	21.0
2 21	10 37.18	+29 49.5	1.563	2.516	7.6	18.7	2 21	10 36.49	+ 5 22.7	2.096	3.079	2.5	20.7
3 2	10 26.04	+30 0.1	1.578	2.518	9.1	18.8	3 2	10 26.86	+ 5 45.4	2.100	3.087	2.1	20.7
3 12	10 15.84	+29 44.1	1.619	2.520	11.9	19.0	3 12	10 17.74	+ 6 8.2	2.134	3.094	5.7	21.0
3 22	10 7.72	+29 2.9	1.683	2.522	15.0	19.2	3 22	10 9.93	+ 6 27.6	2.196	3.101	9.2	21.2
4 1	10 2.42	+28 0.3	1.767	2.524	17.7	19.4	4 1	10 4.03	+ 6 40.7	2.283	3.107	12.2	21.4
<b>410237</b>	2007 <i>TQ</i> <sub>28</sub>		2 25.7 197°84	1°7/27.1	18		<b>57888</b>	2002 <i>BS</i> <sub>6</sub>		2 25.7 283°77	2°6/27.9	18	
1 22	10 57.24	+ 1 48.9	1.902	2.699	14.6	22.2	1 22	10 56.53	+ 0 59.5	2.417	3.198	12.4	19.1
2 1	10 52.27	+ 2 11.7	1.813	2.696	11.3	21.9	2 1	10 51.37	+ 0 36.4	2.314	3.184	9.7	18.9
2 11	10 45.09	+ 2 51.5	1.748	2.693	7.4	21.7	2 11	10 44.40	+ 0 24.5	2.235	3.171	6.7	18.7
2 21	10 36.34	+ 3 45.3	1.709	2.690	3.3	21.4	2 21	10 36.11	+ 0 23.0	2.183	3.157	3.7	18.4
3 2	10 26.93	+ 4 47.5	1.699	2.686	2.5	21.4	3 2	10 27.25	+ 0 30.0	2.161	3.144	2.9	18.4
3 12	10 17.97	+ 5 51.4	1.718	2.681	6.5	21.6	3 12	10 18.67	+ 0 42.4	2.170	3.130	5.6	18.5
3 22	10 10.44	+ 6 50.3	1.764	2.676	10.6	21.8	3 22	10 11.16	+ 0 56.5	2.206	3.117	8.8	18.7
4 1	10 5.07	+ 7 39.1	1.834	2.670	14.2	22.1	4 1	10 5.37	+ 1 9.0	2.267	3.104	11.8	18.9
<b>246300</b>	2007 <i>TN</i> <sub>104</sub>		2 25.7 27°62	0°1/25.6	17		<b>62623</b>	2000 <i>SS</i> <sub>350</sub>		2 25.7 181°95	3°6/21.4	18	
1 22	10 52.80	+ 7 5.6	1.939	2.761	13.4	20.7	1 22	10 55.85	+17 36.6	2.354	3.184	11.1	19.6
2 1	10 48.80	+ 7 36.1	1.866	2.767	10.1	20.5	2 1	10 50.88	+18 53.8	2.279	3.185	8.2	19.4
2 11	10 42.84	+ 8 18.7	1.817	2.774	6.2	20.3	2 11	10 44.07	+20 15.1	2.230	3.186	5.3	19.2
2 21	10 35.57	+ 9 8.6	1.795	2.781	2.0	20.0	2 21	10 35.99	+21 33.7	2.211	3.185	3.7	19.1
3 2	10 27.85	+10 0.3	1.801	2.788	2.3	20.1	3 2	10 27.42	+22 42.7	2.222	3.185	5.1	19.2
3 12	10 20.65	+10 47.5	1.836	2.796	6.5	20.3	3 12	10 19.28	+23 36.8	2.262	3.183	8.0	19.3
3 22	10 14.81	+11 25.6	1.896	2.804	10.3	20.6	3 22	10 12.35	+24 13.1	2.329	3.181	10.9	19.5
4 1	10 10.93	+11 51.5	1.980	2.812	13.5	20.8	4 1	10 7.24	+24 31.0	2.418	3.179	13.4	19.7
<b>17439</b>	Juliesan		2 25.7 270°47	0°9/26.6	18		<b>456652</b>	2007 <i>RA</i> <sub>21</sub>		2 25.7 159°09	0°2/25.5	18	
1 22	10 51.26	+ 3 8.6	2.375	3.175	12.0	19.1	1 22	10 58.57	+ 6 53.0	1.961	2.771	13.8	22.3
2 1	10 47.40	+ 3 47.7	2.285	3.173	9.1	18.9	2 1	10 53.11	+ 7 33.1	1.884	2.779	10.3	22.1
2 11	10 41.90	+ 4 40.5	2.221	3.170	5.8	18.7	2 11	10 45.52	+ 8 25.9	1.831	2.785	6.4	21.8
2 21	10 35.27	+ 5 43.4	2.184	3.167	2.3	18.5	2 21	10 36.47	+ 9 26.4	1.806	2.791	2.0	21.6
3 2	10 28.18	+ 6 51.6	2.177	3.164	1.9	18.4	3 2	10 26.90	+10 28.1	1.810	2.797	2.5	21.6
3 12	10 21.45	+ 7 59.1	2.200	3.162	5.4	18.7	3 12	10 17.88	+11 24.5	1.844	2.801	6.8	21.9
3 22	10 15.75	+ 9 0.8	2.251	3.159	8.8	18.9	3 22	10 10.33	+12 10.5	1.906	2.805	10.7	22.1
4 1	10 11.67	+ 9 52.6	2.326	3.156	11.8	19.0	4 1	10 4.91	+12 43.1	1.990	2.808	14.0	22.3
<b>430704</b>	2004 <i>CT</i> <sub>39</sub>		2 25.7 347°53	0°8/26.5	17		<b>499122</b>	2009 <i>JE</i> <sub>11</sub>		2 25.7 304°84	6°8/1.2	17	
1 22	10 43.12	- 0 57.2	1.369	2.200	17.5	18.8	1 22	10 54.20	- 6 43.7	1.506	2.287	18.5	21.0
2 1	10 42.41	+ 0 43.4	1.279	2.182	13.5	18.5	2 1	10 50.89	- 7 18.0	1.397	2.257	15.5	20.7
2 11	10 39.36	+ 2 59.9	1.210	2.166	8.7	18.2	2 11	10 44.79	- 7 27.8	1.307	2.228	11.9	20.4
2 21	10 34.55	+ 5 45.5	1.167	2.151	3.3	17.8	2 21	10 36.43	- 7 10.3	1.239	2.198	8.4	20.2
3 2	10 28.95	+ 8 47.0	1.150	2.138	2.7	17.7	3 2	10 26.79	- 6 25.9	1.196	2.168	6.8	20.0
3 12	10 23.79	+11 46.8	1.161	2.128	8.4	18.0	3 12	10 17.29	- 5 20.0	1.178	2.139	9.1	20.0
3 22	10 20.21	+14 28.7	1.197	2.119	13.7	18.3	3 22	10 9.31	- 4 1.5	1.184	2.110	13.3	20.2
4 1	10 19.07	+16 41.3	1.255	2.112	18.2	18.6	4 1	10 4.03	- 2 41.0	1.211	2.081	17.8	20.3
<b>411328</b>	2010 <i>UW</i> <sub>28</sub>		2 25.7 43°41	0°6/26.1	18		<b>503642</b>	2016 <i>GW</i> <sub>178</sub>		2 25.7 86°86	2°9/22.9	18	
1 22	10 55.60	+ 4 54.0	1.360	2.191	17.6	20.9	1 22	10 54.60	+13 59.8	1.931	2.767	12.9	21.8
2 1	10 51.39	+ 5 25.1	1.310	2.214	13.2	20.7	2 1	10 50.24	+15 3.1	1.860	2.770	9.5	21.6
2 11	10 44.60	+ 6 14.2	1.280	2.237	8.2	20.5	2 11	10 43.80	+16 13.9	1.814	2.773	5.8	21.4
2 21	10 36.15	+ 7 15.0	1.275	2.261	2.9	20.2	2 21	10 35.93	+17 25.2	1.795	2.777	3.0	21.2
3 2	10 27.29	+ 8 19.3	1.297	2.285	2.7	20.2	3 2	10 27.55	+18 29.5	1.805	2.780	4.5	21.3
3 12	10 19.38	+ 9 18.3	1.345	2.310	7.8	20.6	3 12	10 19.72	+19 20.5	1.842	2.783	8.1	21.5
3 22	10 13.45	+10 5.3	1.418	2.335	12.3	20.9	3 22	10 13.31	+19 54.3	1.906	2.786	11.6	21.7
4 1	10 10.13	+10 36.6	1.511	2.360	16.0	21.2	4 1	10 8.99	+20 9.9	1.991	2.789	14.7	21.9
<b>285267</b>	1998 <i>QD</i> <sub>27</sub>		2 25.7 234°07	6°0/1.9	18		<b>310053</b>	2010 <i>JD</i> <sub>30</sub>		2 25.7 196°64	4°5		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>402042</b>	2003 <i>SK</i> <sub>272</sub>		2 25.7	93°18	0°1/25.7	18	<b>205954</b>	2002 <i>JR</i> <sub>122</sub>		2 25.7	114°79	20°5/10.9	17
1 22	11 1.24	+ 7 34.1	1.656	2.473	15.6	21.4	1 22	11 22.26	+51 3.4	1.139	1.939	22.2	19.8
2 1	10 55.26	+ 7 47.4	1.595	2.493	11.7	21.2	2 1	11 13.93	+53 23.4	1.121	1.947	20.9	19.7
2 11	10 46.86	+ 8 12.7	1.556	2.511	7.2	21.0	2 11	10 59.50	+55 4.6	1.120	1.955	20.5	19.7
2 21	10 36.89	+ 8 45.1	1.544	2.530	2.3	20.7	2 21	10 41.06	+55 48.4	1.136	1.962	20.9	19.8
3 2	10 26.51	+ 9 18.9	1.561	2.548	2.6	20.8	3 2	10 22.15	+55 25.6	1.168	1.969	22.2	19.9
3 12	10 16.96	+ 9 48.2	1.606	2.566	7.3	21.1	3 12	10 6.39	+54 0.5	1.216	1.976	23.8	20.0
3 22	10 9.25	+10 8.7	1.677	2.583	11.4	21.4	3 22	9 55.81	+51 46.8	1.277	1.982	25.6	20.2
4 1	10 4.03	+10 17.9	1.771	2.600	14.9	21.6	4 1	9 50.89	+49 0.1	1.350	1.989	27.1	20.4
<b>301237</b>	2009 <i>BM</i> <sub>40</sub>		2 25.7	80°47	2°8/23.4	18	<b>251752</b>	1999 <i>AP</i> <sub>13</sub>		2 25.7	101°47	0°2/25.5	18
1 22	10 59.71	+12 7.2	1.485	2.322	16.0	20.7	1 22	10 57.44	+ 6 45.1	1.914	2.727	13.9	20.7
2 1	10 54.29	+13 19.5	1.438	2.349	11.7	20.5	2 1	10 52.18	+ 7 27.8	1.851	2.747	10.4	20.5
2 11	10 46.32	+14 41.5	1.414	2.375	7.1	20.3	2 11	10 44.89	+ 8 22.8	1.812	2.767	6.4	20.3
2 21	10 36.71	+16 3.9	1.417	2.400	3.1	20.1	2 21	10 36.27	+ 9 24.8	1.801	2.787	2.0	20.0
3 2	10 26.75	+17 16.9	1.447	2.426	4.8	20.2	3 2	10 27.28	+10 27.3	1.820	2.806	2.4	20.1
3 12	10 17.77	+18 12.9	1.505	2.451	9.1	20.5	3 12	10 18.94	+11 23.8	1.867	2.825	6.6	20.4
3 22	10 10.80	+18 48.1	1.588	2.476	13.1	20.8	3 22	10 12.12	+12 9.3	1.942	2.843	10.4	20.7
4 1	10 6.48	+19 2.4	1.691	2.500	16.4	21.1	4 1	10 7.40	+12 41.2	2.040	2.861	13.5	20.9
<b>507767</b>	2013 <i>YG</i> <sub>103</sub>		2 25.7	81°39	0°5/26.1	17	<b>200058</b>	2008 <i>QA</i> <sub>4</sub>		2 25.7	174°33	1°4/27.1	18
1 22	10 54.90	+ 5 51.3	2.134	2.943	12.8	20.9	1 22	10 54.39	+ 2 21.1	2.220	3.016	12.9	21.0
2 1	10 50.18	+ 6 11.0	2.060	2.953	9.7	20.8	2 1	10 49.83	+ 2 44.4	2.134	3.017	9.9	20.8
2 11	10 43.62	+ 6 42.0	2.011	2.964	6.0	20.5	2 11	10 43.46	+ 3 21.9	2.072	3.018	6.4	20.6
2 21	10 35.85	+ 7 20.6	1.989	2.974	2.1	20.3	2 21	10 35.83	+ 4 10.5	2.038	3.019	2.8	20.3
3 2	10 27.67	+ 8 2.2	1.997	2.984	2.0	20.3	3 2	10 27.73	+ 5 5.5	2.033	3.019	2.1	20.3
3 12	10 20.01	+ 8 41.6	2.034	2.995	5.9	20.6	3 12	10 20.03	+ 6 1.5	2.057	3.020	5.7	20.5
3 22	10 13.63	+ 9 14.6	2.098	3.005	9.4	20.8	3 22	10 13.51	+ 6 53.2	2.109	3.020	9.2	20.7
4 1	10 9.10	+ 9 38.1	2.186	3.015	12.5	21.0	4 1	10 8.78	+ 7 36.3	2.186	3.020	12.3	20.9
<b>110027</b>	2001 <i>SD</i> <sub>74</sub>		2 25.7	133°60	3°8/ 1.1	18	<b>21414</b>	Blumenthal		2 25.7	140°44	2°4/28.2	18
1 22	10 52.99	- 5 53.6	2.569	3.320	12.5	20.3	1 22	10 56.68	- 2 7.2	2.112	2.887	14.1	18.8
2 1	10 48.54	- 5 52.6	2.483	3.327	10.1	20.1	2 1	10 51.54	- 1 29.0	2.034	2.901	11.0	18.6
2 11	10 42.54	- 5 35.3	2.419	3.334	7.5	20.0	2 11	10 44.50	- 0 31.8	1.979	2.914	7.5	18.4
2 21	10 35.49	- 5 2.6	2.382	3.340	4.9	19.8	2 21	10 36.17	+ 0 40.9	1.951	2.927	3.9	18.2
3 2	10 28.06	- 4 17.3	2.374	3.347	3.8	19.8	3 2	10 27.40	+ 2 3.7	1.954	2.938	2.7	18.2
3 12	10 20.99	- 3 23.6	2.395	3.353	5.3	19.9	3 12	10 19.13	+ 3 29.3	1.986	2.949	5.8	18.4
3 22	10 14.92	- 2 26.6	2.445	3.359	7.9	20.0	3 22	10 12.19	+ 4 50.7	2.047	2.959	9.4	18.6
4 1	10 10.39	- 1 31.3	2.520	3.365	10.5	20.2	4 1	10 7.16	+ 6 2.5	2.134	2.969	12.5	18.9
<b>20890</b>	2000 <i>WN</i> <sub>19</sub>		2 25.7	97°68	2°0/27.8	18	<b>49841</b>	1999 <i>XN</i> <sub>60</sub>		2 25.7	354°15	3°3/27.6	18
1 22	10 54.40	- 0 27.5	2.058	2.846	14.0	19.0	1 22	10 54.59	+ 1 33.4	1.106	1.942	20.4	18.3
2 1	10 49.83	+ 0 9.5	1.987	2.864	10.8	18.9	2 1	10 51.54	+ 1 19.0	1.035	1.938	16.0	18.0
2 11	10 43.42	+ 1 4.1	1.940	2.881	7.2	18.7	2 11	10 45.26	+ 1 28.6	0.983	1.935	10.8	17.7
2 21	10 35.78	+ 2 12.5	1.920	2.898	3.5	18.5	2 21	10 36.57	+ 2 0.1	0.951	1.932	5.4	17.4
3 2	10 27.76	+ 3 29.0	1.929	2.915	2.4	18.4	3 2	10 26.90	+ 2 47.6	0.944	1.931	3.9	17.3
3 12	10 20.29	+ 4 46.7	1.968	2.931	5.8	18.7	3 12	10 17.99	+ 3 41.6	0.960	1.930	9.0	17.5
3 22	10 14.12	+ 5 59.1	2.034	2.948	9.3	18.9	3 22	10 11.35	+ 4 32.1	0.998	1.931	14.5	17.8
4 1	10 9.84	+ 7 1.3	2.125	2.964	12.4	19.1	4 1	10 7.97	+ 5 11.3	1.055	1.932	19.3	18.1
<b>79807</b>	1998 <i>VX</i> <sub>21</sub>		2 25.7	53°95	0°6/25.3	18	<b>170306</b>	Augustzátka		2 25.7	113°91	3°9/22.5	18
1 22	10 58.98	+ 9 13.1	1.483	2.315	16.3	19.2	1 22	11 0.85	+17 13.7	1.726	2.561	14.2	20.2
2 1	10 53.83	+ 9 28.6	1.424	2.330	12.2	18.9	2 1	10 55.03	+18 7.9	1.666	2.575	10.5	20.0
2 11	10 46.11	+ 9 55.8	1.387	2.345	7.4	18.7	2 11	10 46.77	+19 5.9	1.631	2.588	6.7	19.8
2 21	10 36.68	+10 29.0	1.375	2.361	2.3	18.4	2 21	10 36.92	+19 59.6	1.622	2.601	4.0	19.7
3 2	10 26.78	+11 1.7	1.391	2.378	3.0	18.5	3 2	10 26.61	+20 41.6	1.642	2.613	5.6	19.8
3 12	10 17.78	+11 27.5	1.434	2.394	7.9	18.8	3 12	10 17.11	+21 6.4	1.690	2.625	9.2	20.0
3 22	10 10.72	+11 42.3	1.502	2.411	12.3	19.1	3 22	10 9.44	+21 12.1	1.763	2.636	12.8	20.3
4 1	10 6.31	+11 44.0	1.591	2.427	16.0	19.4	4 1	10 4.27	+20 59.5	1.857	2.647	15.9	20.5
<b>427849</b>	2005 <i>MP</i> <sub>30</sub>		2 25.7	257°49	6°3/ 2.9	18	<b>101220</b>	1998 <i>ST</i> <sub>57</sub>		2 25.7	211°19	1°0/24.8	18
1 22	10 55.50	-12 28.3	2.701	3.404	13.1	21.1	1 22	10 57.32	+ 9 12.4	2.096	2.912	12.8	20.6
2 1	10 50.56	-13 9.2	2.588	3.387	11.2	20.9	2 1	10 52.21	+ 9 54.4	2.007	2.906	9.6	20.4
2 11	10 43.91	-13 33.3	2.497	3.370	9.1	20.7	2 11	10 45.04	+10 47.0	1.942	2.899	5.8	20.1
2 21	10 36.00	-13 39.0	2.431	3.352	7.2	20.6	2 21	10 36.40	+11 45.3	1.905	2.891	1.9	19.8
3 2	10 27.46	-13 26.4	2.392	3.334	6.3	20.5	3 2	10 27.15	+12 43.3	1.899	2.883	2.8	19.9
3 12	10 19.10	-12 57.6	2.383	3.316	7.0	20.5	3 12	10 18.30	+13 34.7	1.922	2.874	6.9	20.1
3 22	10 11.65	-12 16.8	2.401	3.298	8.8	20.6	3 22	10 10.76	+14 14.9	1.972	2.865	10.6	20.3
4 1	10 5.75	-11 29.2	2.444	3.279	11.1	20.7	4 1	10 5.23	+14 41.2	2.045	2.855	13.9	20.5
<b>463219</b>	2012 <i>DN</i> <sub>39</sub>		2 25.7	151°39	0°4/26.0	18	<b>237316</b>	2009 <i>AK</i> <sub>30</sub>		2 25.7	158°01	2°0/23.4	18
1 22	10 58.37	+ 6 24.1	2.088	2.894	13.2	21.5	1 22	10 53.20	+12 16.8	2.275	3.102	11.5	20.6
2 1	10 52.84	+ 6 40.9	2.010	2.901	10.0	21.3	2 1	10 48.93	+13 16.5	2.197	3.103	8.5	20.5
2 11	10 45.31	+ 7 8.7	1.955	2.907	6.2	21.1	2 11	10 42.91	+14 24.0	2.146	3.105	5.1	20.2
2 21	10 36.42	+ 7 43.9	1.929	2.913	2.1	20.8	2 21	10 35.67	+15 33.6	2.123	3.106	2.2	20.0
3 2	10 27.06	+ 8 21.8	1.932	2.919	2.1	20.8	3 2	10 27.99	+16 39.1	2.129	3.108	3.5	20.1
3 12	10 18.23	+ 8 57.2	1.965	2.924	6.2	21.1	3 12	10 20.73	+17 34.8	2.165	3.109	6.9	20.4
3 22	10 10.77	+ 9 25.9	2.025	2.929	9.9	21.3	3 22	10 14.64	+18 16.9	2.228	3.110	10.1	20.6
4 1	10 5.32	+ 9 45.0	2.110	2.933	13.1	21.5	4 1	10 10.31	+18 43.4	2.314	3.111	12.9	20.7
<b>503220</b>	2015 <i>HS</i> <sub>42</sub>		2 25.7	278°66	7°2/17.5	17	<b>203127</b>	2000 <i>SZ</i> <sub>246</sub>		2 25.7	168°50	2°4/23.6	18

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>395471</b>	2011 <i>UB</i> <sub>26</sub>		2 25.7 111°46'	4°2/22.4	18		<b>8678</b>	Bäl		2 25.7 244°92'	2°4/22.9	18	
1 22	11 0.82	+17 21.2	1.612	2.451	14.8	20.9	1 22	10 54.11	+15 17.5	2.539	3.366	10.5	18.9
2 1	10 55.20	+18 18.9	1.552	2.462	11.0	20.7	2 1	10 49.51	+16 1.1	2.452	3.357	7.8	18.7
2 11	10 46.97	+19 20.8	1.515	2.473	7.0	20.5	2 11	10 43.24	+16 49.2	2.391	3.349	4.8	18.5
2 21	10 37.01	+20 18.2	1.506	2.484	4.3	20.3	2 21	10 35.81	+17 37.1	2.359	3.340	2.5	18.4
3 2	10 26.55	+21 2.8	1.524	2.494	6.0	20.5	3 2	10 27.93	+18 19.6	2.357	3.331	3.7	18.4
3 12	10 16.93	+21 28.8	1.569	2.504	9.7	20.7	3 12	10 20.40	+18 52.4	2.385	3.322	6.7	18.6
3 22	10 9.25	+21 34.1	1.639	2.514	13.5	21.0	3 22	10 13.92	+19 12.7	2.439	3.313	9.6	18.8
4 1	10 4.22	+21 19.7	1.729	2.523	16.7	21.2	4 1	10 9.08	+19 19.5	2.517	3.304	12.3	18.9
<b>148766</b>	2001 <i>TY</i> <sub>228</sub>		2 25.7 195°65'	2°9/28.1	16		<b>140029</b>	2001 <i>SV</i> <sub>63</sub>		2 25.7 43°13'	1°5/24.5	18	
1 22	10 59.43	- 0 3.4	2.199	2.975	13.6	20.7	1 22	10 56.33	+10 38.3	1.704	2.536	14.5	19.5
2 1	10 53.66	- 0 20.3	2.106	2.973	10.7	20.5	2 1	10 51.78	+11 15.8	1.632	2.539	10.8	19.3
2 11	10 45.88	- 0 23.6	2.036	2.970	7.4	20.2	2 11	10 44.89	+12 3.7	1.582	2.542	6.6	19.0
2 21	10 36.67	- 0 14.2	1.994	2.967	4.1	20.0	2 21	10 36.39	+12 56.2	1.559	2.545	2.2	18.7
3 2	10 26.87	+ 0 5.2	1.982	2.964	3.2	20.0	3 2	10 27.31	+13 46.1	1.564	2.548	3.5	18.8
3 12	10 17.48	+ 0 30.8	1.999	2.960	6.0	20.1	3 12	10 18.85	+14 26.7	1.597	2.551	7.9	19.1
3 22	10 9.35	+ 0 57.9	2.045	2.955	9.4	20.3	3 22	10 12.02	+14 53.7	1.655	2.555	12.0	19.4
4 1	10 3.17	+ 1 22.3	2.115	2.950	12.6	20.5	4 1	10 7.53	+15 4.9	1.735	2.558	15.5	19.6
<b>63449</b>	2001 <i>NO</i> <sub>14</sub>		2 25.7 182°51'	0°6/25.2	18		<b>431570</b>	2007 <i>UU</i> <sub>115</sub>		2 25.7 53°26'	0°1/25.7	17	
1 22	10 59.05	+ 7 27.1	1.861	2.675	14.2	21.0	1 22	10 54.01	+ 7 17.1	2.131	2.946	12.6	21.6
2 1	10 53.68	+ 8 15.1	1.779	2.676	10.7	20.8	2 1	10 49.58	+ 7 41.6	2.055	2.953	9.5	21.4
2 11	10 46.02	+ 9 16.9	1.721	2.677	6.6	20.5	2 11	10 43.33	+ 8 16.6	2.004	2.959	5.8	21.2
2 21	10 36.73	+10 26.6	1.691	2.676	2.0	20.2	2 21	10 35.84	+ 8 58.1	1.981	2.966	1.9	21.0
3 2	10 26.81	+11 37.2	1.690	2.675	2.8	20.3	3 2	10 27.93	+ 9 41.2	1.986	2.973	2.2	21.0
3 12	10 17.41	+12 41.1	1.718	2.673	7.3	20.5	3 12	10 20.51	+10 20.7	2.021	2.980	6.0	21.3
3 22	10 9.53	+13 32.6	1.773	2.671	11.4	20.8	3 22	10 14.35	+10 52.5	2.082	2.987	9.6	21.5
4 1	10 3.92	+14 8.5	1.852	2.667	14.9	21.0	4 1	10 10.02	+11 13.8	2.168	2.995	12.6	21.7
<b>1428</b>	Mombasa		2 25.7 134°05'	4°7/20.1	18		<b>218925</b>	2007 <i>VV</i> <sub>92</sub>		2 25.7 56°28'	2°2/27.7	17	
1 22	10 55.21	+20 19.4	2.247	3.083	11.3	15.2	1 22	10 55.87	+ 1 45.4	2.153	2.944	13.3	20.4
2 1	10 50.49	+21 53.9	2.185	3.093	8.5	15.0	2 1	10 50.96	+ 1 35.7	2.071	2.949	10.4	20.2
2 11	10 43.89	+23 30.1	2.151	3.102	5.8	14.9	2 11	10 44.18	+ 1 39.0	2.013	2.955	7.0	20.0
2 21	10 36.00	+25 0.3	2.145	3.110	4.7	14.8	2 21	10 36.13	+ 1 53.5	1.982	2.960	3.5	19.8
3 2	10 27.68	+26 16.9	2.169	3.119	6.2	14.9	3 2	10 27.61	+ 2 16.1	1.981	2.966	2.6	19.7
3 12	10 19.85	+27 14.5	2.221	3.127	8.9	15.1	3 12	10 19.55	+ 2 42.4	2.008	2.971	5.7	19.9
3 22	10 13.32	+27 51.0	2.298	3.134	11.6	15.3	3 22	10 12.76	+ 3 8.2	2.063	2.977	9.2	20.2
4 1	10 8.69	+28 6.5	2.397	3.142	14.0	15.5	4 1	10 7.84	+ 3 29.6	2.142	2.982	12.3	20.4
<b>406442</b>	2007 <i>TT</i> <sub>323</sub>		2 25.7 358°04'	0°7/25.2	18		<b>196631</b>	2003 <i>RE</i> <sub>22</sub>		2 25.7 232°98'	1°8/27.2	17	
1 22	10 59.84	+ 9 59.8	1.447	2.281	16.5	20.3	1 22	10 57.87	+ 3 10.9	2.231	3.022	12.9	20.5
2 1	10 54.80	+10 6.0	1.372	2.280	12.5	20.0	2 1	10 52.50	+ 3 1.9	2.135	3.015	10.0	20.3
2 11	10 46.94	+10 23.0	1.320	2.279	7.7	19.7	2 11	10 45.18	+ 3 4.4	2.064	3.007	6.6	20.1
2 21	10 37.07	+10 46.0	1.293	2.279	2.4	19.4	2 21	10 36.47	+ 3 16.7	2.020	3.000	3.1	19.8
3 2	10 26.46	+11 8.5	1.292	2.279	3.2	19.5	3 2	10 27.19	+ 3 35.8	2.006	2.992	2.4	19.8
3 12	10 16.60	+11 24.3	1.319	2.279	8.5	19.8	3 12	10 18.26	+ 3 57.6	2.022	2.984	5.8	20.0
3 22	10 8.73	+11 29.4	1.369	2.279	13.2	20.0	3 22	10 10.55	+ 4 18.1	2.065	2.975	9.4	20.2
4 1	10 3.68	+11 21.5	1.441	2.280	17.2	20.3	4 1	10 4.73	+ 4 33.8	2.134	2.967	12.6	20.4
<b>377777</b>	2005 <i>YA</i> <sub>186</sub>		2 25.7 113°98'	3°7/21.8	18		<b>168373</b>	1997 <i>CC</i> <sub>11</sub>		2 25.7 62°72'	0°5/26.0	18	
1 22	10 54.05	+15 46.8	1.934	2.774	12.7	21.2	1 22	10 58.62	+ 6 1.3	1.434	2.260	17.1	20.9
2 1	10 49.91	+17 10.7	1.864	2.776	9.4	21.0	2 1	10 53.66	+ 6 20.1	1.375	2.277	12.9	20.6
2 11	10 43.66	+18 41.4	1.818	2.777	5.9	20.8	2 11	10 46.08	+ 6 54.6	1.338	2.294	8.0	20.4
2 21	10 35.96	+20 11.0	1.801	2.778	3.8	20.6	2 21	10 36.76	+ 7 39.5	1.326	2.312	2.8	20.1
3 2	10 27.72	+21 30.8	1.812	2.780	5.5	20.8	3 2	10 26.95	+ 8 27.7	1.342	2.329	2.7	20.2
3 12	10 19.99	+22 33.9	1.851	2.781	8.8	21.0	3 12	10 18.03	+ 9 11.6	1.384	2.347	7.8	20.5
3 22	10 13.68	+23 16.5	1.916	2.782	12.2	21.2	3 22	10 11.09	+ 9 45.4	1.450	2.364	12.3	20.8
4 1	10 9.46	+23 37.8	2.001	2.784	15.1	21.4	4 1	10 6.83	+10 5.8	1.539	2.382	16.1	21.1
<b>497996</b>	2007 <i>DV</i> <sub>110</sub>		2 25.7 300°79'	1°2/26.7	17		<b>363329</b>	2002 <i>PC</i> <sub>123</sub>		2 25.7 179°03'	2°7/28.3	17	
1 22	10 52.86	+ 2 51.9	1.747	2.561	15.0	21.7	1 22	10 56.64	- 1 17.7	2.047	2.827	14.3	22.4
2 1	10 49.29	+ 3 25.9	1.654	2.548	11.6	21.4	2 1	10 51.70	- 1 2.7	1.959	2.829	11.3	22.2
2 11	10 43.46	+ 4 18.7	1.583	2.534	7.5	21.2	2 11	10 44.73	- 0 29.9	1.894	2.830	7.7	22.0
2 21	10 35.95	+ 5 26.5	1.538	2.521	3.0	20.8	2 21	10 36.34	+ 0 18.5	1.856	2.830	4.2	21.8
3 2	10 27.70	+ 6 43.0	1.521	2.508	2.4	20.8	3 2	10 27.38	+ 1 18.1	1.847	2.830	3.0	21.7
3 12	10 19.82	+ 7 59.8	1.531	2.496	7.0	21.0	3 12	10 18.86	+ 2 22.6	1.867	2.830	6.1	21.9
3 22	10 13.36	+ 9 9.4	1.568	2.483	11.4	21.3	3 22	10 11.65	+ 3 25.7	1.914	2.829	9.8	22.1
4 1	10 9.12	+10 5.6	1.627	2.471	15.3	21.5	4 1	10 6.43	+ 4 21.8	1.987	2.827	13.1	22.3
<b>46361</b>	2001 <i>TR</i> <sub>105</sub>		2 25.7 225°39'	3°7/29.1	18		<b>243749</b>	2000 <i>QR</i> <sub>107</sub>		2 25.7 138°55'	2°4/23.9	18	
1 22	10 55.95	- 3 34.7	2.199	2.966	13.9	18.9	1 22	11 1.82	+13 28.2	1.753	2.579	14.4	20.9
2 1	10 51.14	- 3 36.3	2.099	2.957	11.2	18.7	2 1	10 55.77	+14 4.4	1.684	2.589	10.7	20.7
2 11	10 44.39	- 3 20.4	2.022	2.948	8.0	18.4	2 11	10 47.28	+14 47.4	1.640	2.599	6.5	20.4
2 21	10 36.22	- 2 48.0	1.971	2.938	4.9	18.2	2 21	10 37.16	+15 31.0	1.624	2.608	2.7	20.2
3 2	10 27.42	- 2 1.9	1.949	2.928	3.7	18.1	3 2	10 26.52	+16 8.1	1.636	2.616	4.1	20.3
3 12	10 18.94	- 1 7.2	1.956	2.917	6.1	18.3	3 12	10 16.62	+16 33.3	1.677	2.624	8.2	20.6
3 22	10 11.63	- 0 9.8	1.991	2.906	9.4	18.4	3 22	10 8.51	+16 43.6	1.743	2.631	12.1	20.8
4 1	10 6.18	+ 0 44.7	2.051	2.894	12.6	18.6	4 1	10 2.87	+16 38.5	1.832	2.637	15.4	21.1
<b>449105</b>	2012 <i>VQ</i> <sub>35</sub>		2 25.7 13°87'	2°7/27.6	18		<b>233639</b>	2007 <i>WO</i> <sub>17</sub>		2 25.7 228°73'	5°9/3.3	17	



EPHEMERIDES

2 25.7

2 25.7

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>248103</b>	2004 <i>RX</i> <sub>94</sub>		2 25.7 114°55	1°7/27.7	17		<b>25335</b>	1999 <i>NT</i>		2 25.7 178°71	2°6/27.9	18	
1 22	10 53.12	+ 1 29.9	2.854	3.635	10.7	20.7	1 22	10 59.73	+ 0 12.5	2.081	2.861	14.1	18.5
2 1	10 48.48	+ 1 35.5	2.772	3.644	8.2	20.5	2 1	10 53.98	+ 0 9.8	1.993	2.863	11.1	18.3
2 11	10 42.47	+ 1 51.7	2.715	3.654	5.5	20.3	2 11	10 46.14	+ 0 22.4	1.928	2.865	7.6	18.1
2 21	10 35.55	+ 2 16.7	2.686	3.663	2.7	20.2	2 21	10 36.83	+ 0 48.4	1.890	2.865	4.0	17.8
3 2	10 28.32	+ 2 47.5	2.688	3.673	2.0	20.1	3 2	10 26.94	+ 1 24.3	1.881	2.865	2.9	17.8
3 12	10 21.43	+ 3 20.6	2.720	3.682	4.5	20.3	3 12	10 17.50	+ 2 5.0	1.903	2.864	6.1	18.0
3 22	10 15.47	+ 3 52.5	2.781	3.691	7.3	20.5	3 22	10 9.42	+ 2 45.3	1.952	2.863	9.8	18.2
4 1	10 10.89	+ 4 20.2	2.867	3.700	9.7	20.7	4 1	10 3.39	+ 3 20.5	2.026	2.861	13.1	18.4
<b>59184</b>	1999 <i>AR</i> <sub>15</sub>		2 25.7 231°66	0°6/26.2	18		<b>130499</b>	2000 <i>QB</i> <sub>129</sub>		2 25.7 91°36	1°8/27.3	18	
1 22	10 59.41	+ 5 34.1	1.764	2.575	15.0	19.3	1 22	10 58.67	+ 1 5.2	1.618	2.420	16.6	19.3
2 1	10 54.21	+ 5 52.6	1.671	2.565	11.5	19.1	2 1	10 53.43	+ 1 37.3	1.558	2.443	12.7	19.1
2 11	10 46.51	+ 6 25.6	1.601	2.554	7.3	18.8	2 11	10 45.83	+ 2 29.0	1.520	2.467	8.3	18.8
2 21	10 36.98	+ 7 9.6	1.558	2.542	2.6	18.5	2 21	10 36.70	+ 3 35.5	1.508	2.490	3.6	18.6
3 2	10 26.63	+ 7 58.7	1.543	2.530	2.5	18.4	3 2	10 27.16	+ 4 49.8	1.525	2.512	2.6	18.6
3 12	10 16.70	+ 8 46.0	1.556	2.517	7.3	18.7	3 12	10 18.41	+ 6 3.3	1.570	2.534	6.9	18.9
3 22	10 8.33	+ 9 25.7	1.596	2.504	11.8	18.9	3 22	10 11.43	+ 7 8.7	1.641	2.555	11.1	19.2
4 1	10 2.36	+ 9 53.6	1.659	2.490	15.7	19.1	4 1	10 6.87	+ 8 1.0	1.735	2.576	14.7	19.5
<b>332987</b>	2011 <i>FZ</i> <sub>75</sub>		2 25.7 214°08	1°9/27.9	17		<b>324056</b>	2005 <i>VU</i> <sub>56</sub>		2 25.7 188°64	7°3/17.8	16	
1 22	10 53.28	- 0 55.7	2.509	3.286	12.1	21.5	1 22	10 59.94	+29 41.9	2.200	3.030	11.7	20.9
2 1	10 48.92	- 0 19.3	2.409	3.279	9.5	21.3	2 1	10 54.25	+31 6.2	2.138	3.030	9.4	20.8
2 11	10 42.91	+ 0 33.0	2.334	3.271	6.4	21.1	2 11	10 46.33	+32 24.6	2.102	3.029	7.7	20.7
2 21	10 35.74	+ 1 38.6	2.286	3.263	3.2	20.9	2 21	10 36.89	+33 28.8	2.093	3.027	7.4	20.6
3 2	10 28.08	+ 2 53.3	2.269	3.255	2.2	20.8	3 2	10 26.92	+34 11.9	2.112	3.025	8.7	20.7
3 12	10 20.70	+ 4 11.2	2.283	3.246	5.2	21.0	3 12	10 17.54	+34 29.9	2.157	3.023	11.0	20.9
3 22	10 14.31	+ 5 26.5	2.325	3.236	8.4	21.2	3 22	10 9.72	+34 23.1	2.225	3.020	13.3	21.0
4 1	10 9.50	+ 6 34.3	2.393	3.226	11.4	21.3	4 1	10 4.14	+33 54.0	2.313	3.016	15.4	21.2
<b>295417</b>	2008 <i>JS</i> <sub>37</sub>		2 25.7 230°30	1°9/24.2	17		<b>87103</b>	2000 <i>LX</i> <sub>17</sub>		2 25.7 204°39	4°1/20.9	18	
1 22	11 1.61	+14 5.0	2.126	2.944	12.5	20.5	1 22	10 56.08	+18 19.7	2.243	3.076	11.5	19.9
2 1	10 55.42	+14 20.2	2.034	2.934	9.4	20.3	2 1	10 51.27	+19 45.2	2.164	3.072	8.6	19.7
2 11	10 47.04	+14 40.1	1.967	2.924	5.8	20.1	2 11	10 44.48	+21 15.2	2.112	3.067	5.7	19.5
2 21	10 37.11	+15 0.0	1.929	2.913	2.3	19.8	2 21	10 36.30	+22 42.1	2.089	3.061	4.1	19.4
3 2	10 26.55	+15 15.0	1.922	2.902	3.5	19.9	3 2	10 27.55	+23 58.4	2.096	3.055	5.7	19.5
3 12	10 16.45	+15 21.1	1.943	2.891	7.3	20.1	3 12	10 19.20	+24 58.0	2.132	3.048	8.6	19.7
3 22	10 7.77	+15 15.9	1.993	2.879	10.9	20.3	3 22	10 12.11	+25 37.7	2.193	3.041	11.6	19.8
4 1	10 1.22	+14 58.7	2.065	2.866	14.1	20.5	4 1	10 6.95	+25 57.0	2.277	3.034	14.3	20.0
<b>28880</b>	2000 <i>KN</i> <sub>46</sub>		2 25.7 272°74	1°9/23.6	18 R		<b>326987</b>	2004 <i>PB</i> <sub>60</sub>		2 25.7 231°19	2°1/23.7	17	
1 22	10 52.42	+11 18.1	2.206	3.034	11.8	18.4	1 22	10 58.36	+14 0.8	2.335	3.155	11.5	21.6
2 1	10 48.48	+12 22.1	2.123	3.029	8.7	18.2	2 1	10 52.88	+14 36.1	2.240	3.142	8.6	21.4
2 11	10 42.72	+13 35.6	2.065	3.025	5.3	18.0	2 11	10 45.44	+15 17.1	2.172	3.129	5.3	21.2
2 21	10 35.69	+14 52.8	2.036	3.021	2.1	17.8	2 21	10 36.62	+15 58.8	2.132	3.115	2.4	21.0
3 2	10 28.16	+16 6.8	2.037	3.016	3.5	17.9	3 2	10 27.20	+16 35.9	2.123	3.101	3.6	21.0
3 12	10 21.02	+17 11.5	2.066	3.012	7.0	18.1	3 12	10 18.14	+17 3.7	2.143	3.086	7.0	21.2
3 22	10 15.03	+18 2.1	2.123	3.008	10.4	18.3	3 22	10 10.29	+17 19.3	2.191	3.071	10.3	21.4
4 1	10 10.84	+18 36.5	2.202	3.003	13.3	18.5	4 1	10 4.31	+17 21.4	2.262	3.055	13.3	21.6
<b>342884</b>	2008 <i>YE</i> <sub>71</sub>		2 25.7 57°67	3°4/22.4	18		<b>285871</b>	2001 <i>MJ</i> <sub>21</sub>		2 25.7 232°89	5°0/21.2	18	
1 22	10 54.78	+16 29.0	2.008	2.846	12.4	20.4	1 22	11 0.38	+18 37.6	1.772	2.609	13.8	21.1
2 1	10 50.27	+17 27.1	1.947	2.858	9.1	20.2	2 1	10 55.09	+20 0.5	1.687	2.595	10.4	20.9
2 11	10 43.79	+18 29.3	1.912	2.870	5.7	20.1	2 11	10 47.15	+21 29.6	1.627	2.581	7.0	20.6
2 21	10 36.02	+19 28.9	1.904	2.882	3.4	19.9	2 21	10 37.25	+22 55.6	1.594	2.566	5.0	20.5
3 2	10 27.86	+20 19.2	1.924	2.895	4.9	20.0	3 2	10 26.46	+24 8.4	1.590	2.551	6.9	20.6
3 12	10 20.30	+20 55.1	1.973	2.908	8.1	20.3	3 12	10 16.13	+25 0.1	1.613	2.534	10.6	20.7
3 22	10 14.16	+21 14.1	2.047	2.920	11.3	20.5	3 22	10 7.47	+25 27.3	1.660	2.517	14.3	20.9
4 1	10 10.03	+21 15.8	2.143	2.933	14.0	20.7	4 1	10 1.37	+25 29.9	1.728	2.499	17.6	21.1
<b>49133</b>	1998 <i>SC</i> <sub>25</sub>		2 25.7 309°37	5°0/22.5	18		<b>201963</b>	2004 <i>NW</i> <sub>24</sub>		2 25.7 206°33	1°8/27.1	18	
1 22	10 59.60	+17 30.9	1.293	2.147	16.9	18.0	1 22	11 0.46	+ 2 55.3	1.802	2.601	15.3	20.6
2 1	10 55.14	+18 22.9	1.220	2.138	12.7	17.7	2 1	10 54.90	+ 2 58.3	1.712	2.596	11.8	20.4
2 11	10 47.44	+19 21.5	1.168	2.129	8.2	17.5	2 11	10 46.91	+ 3 16.9	1.645	2.591	7.8	20.1
2 21	10 37.35	+20 16.6	1.141	2.120	5.0	17.2	2 21	10 37.14	+ 3 48.3	1.604	2.585	3.5	19.8
3 2	10 26.31	+20 57.6	1.139	2.112	7.0	17.3	3 2	10 26.62	+ 4 28.0	1.593	2.579	2.6	19.8
3 12	10 16.04	+21 16.5	1.162	2.104	11.6	17.6	3 12	10 16.58	+ 5 9.9	1.609	2.572	6.9	20.0
3 22	10 8.03	+21 10.6	1.207	2.096	16.3	17.8	3 22	10 8.09	+ 5 48.2	1.653	2.565	11.2	20.2
4 1	10 3.25	+20 41.0	1.270	2.089	20.3	18.0	4 1	10 1.98	+ 6 18.2	1.720	2.556	15.0	20.4
<b>4504</b>	Jenkinson		2 25.7 93°96	3°2/29.1	18		<b>500406</b>	2012 <i>TB</i> <sub>109</sub>		2 25.7 128°70	0°5/25.3	17	
1 22	10 53.89	- 4 32.6	1.851	2.628	15.7	17.5	1 22	10 56.12	+ 9 28.3	2.459	3.269	11.3	21.7
2 1	10 49.74	- 3 50.1	1.776	2.642	12.5	17.3	2 1	10 50.94	+ 9 44.5	2.380	3.276	8.4	21.5
2 11	10 43.54	- 2 44.0	1.724	2.656	8.7	17.1	2 11	10 44.09	+10 7.8	2.328	3.283	5.1	21.3
2 21	10 35.96	- 1 17.7	1.698	2.670	4.9	16.9	2 21	10 36.13	+10 34.9	2.303	3.289	1.6	21.1
3 2	10 27.92	+ 0 22.2	1.700	2.683	3.4	16.8	3 2	10 27.81	+11 1.8	2.310	3.295	2.1	21.2
3 12	10 20.43	+ 2 6.9	1.731	2.696	6.3	17.0	3 12	10 19.93	+11 24.5	2.346	3.302	5.6	21.4
3 22	10 14.36	+ 3 47.5	1.790	2.710	10.0	17.3	3 22	10 13.19	+11 40.2	2.410	3.307	8.8	21.6
4 1	10 10.36	+ 5 16.8	1.873	2.722	13.4	17.5	4 1	10 8.13	+11 46.9	2.499	3.313	11.6	21.8
<b>473493</b>	2015 <i>XU</i> <sub>103</sub>		2 25.7 50°11	0°6/25.3	18		<b>76701</b>	2000 <i>HQ</i> <sub>87</sub>		2 25.7 256°53	5°7/19.6	18	

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>387104</b>	2012 <i>TW</i> <sub>138</sub>		2 25.7	99°14	2°9/22.9	17	<b>386179</b>	2007 <i>VT</i> <sub>50</sub>		2 25.7	317°53	4°8/21.1	17
1 22	10 57.21	+17 8.1	2.288	3.116	11.4	21.0	1 22	10 56.99	+22 10.9	2.122	2.959	11.8	20.6
2 1	10 51.89	+17 38.8	2.215	3.121	8.5	20.8	2 1	10 52.00	+22 59.0	2.048	2.954	9.0	20.4
2 11	10 44.73	+18 11.9	2.169	3.125	5.3	20.6	2 11	10 44.94	+23 46.6	1.999	2.950	6.2	20.2
2 21	10 36.35	+18 42.4	2.150	3.130	3.0	20.4	2 21	10 36.47	+24 27.0	1.978	2.945	4.8	20.1
3 2	10 27.58	+19 5.2	2.162	3.135	4.2	20.5	3 2	10 27.50	+24 54.2	1.985	2.941	6.2	20.2
3 12	10 19.34	+19 16.8	2.202	3.139	7.2	20.7	3 12	10 19.07	+25 4.0	2.020	2.937	9.0	20.4
3 22	10 12.40	+19 15.4	2.269	3.144	10.3	20.9	3 22	10 12.05	+24 55.4	2.079	2.933	11.9	20.5
4 1	10 7.33	+19 0.7	2.359	3.148	12.9	21.1	4 1	10 7.12	+24 29.1	2.160	2.929	14.6	20.7
<b>402285</b>	2005 <i>SE</i> <sub>164</sub>		2 25.7	98°12	6°9/19.5	18	<b>227628</b>	2006 <i>BN</i> <sub>73</sub>		2 25.7	353°17	1°7/24.2	18
1 22	11 3.62	+28 27.9	2.042	2.870	12.6	20.9	1 22	10 55.76	+11 42.6	1.918	2.748	13.3	20.6
2 1	10 56.78	+29 35.7	2.001	2.894	9.9	20.8	2 1	10 51.19	+12 22.2	1.841	2.747	9.8	20.4
2 11	10 47.72	+30 36.2	1.985	2.918	7.7	20.7	2 11	10 44.50	+13 10.5	1.788	2.747	6.0	20.1
2 21	10 37.29	+31 21.3	1.998	2.942	7.0	20.7	2 21	10 36.34	+14 1.8	1.762	2.747	2.2	19.9
3 2	10 26.62	+31 45.0	2.038	2.964	8.2	20.8	3 2	10 27.64	+14 49.8	1.765	2.747	3.5	20.0
3 12	10 16.87	+31 45.1	2.105	2.987	10.5	21.0	3 12	10 19.47	+15 28.5	1.796	2.747	7.5	20.2
3 22	10 8.93	+31 22.7	2.196	3.009	12.9	21.2	3 22	10 12.72	+15 54.0	1.853	2.747	11.2	20.4
4 1	10 3.40	+30 41.1	2.308	3.030	15.0	21.4	4 1	10 8.09	+16 4.5	1.933	2.747	14.4	20.6
<b>303928</b>	2005 <i>UP</i> <sub>439</sub>		2 25.7	236°21	0°1/25.8	16	<b>258407</b>	2001 <i>XD</i> <sub>135</sub>		2 25.7	11°52	5°7/29.9	18
1 22	10 55.87	+ 7 59.2	2.989	3.787	9.8	21.2	1 22	10 52.99	- 4 27.4	1.369	2.170	19.1	19.7
2 1	10 50.60	+ 8 7.4	2.886	3.774	7.4	21.0	2 1	10 49.78	- 4 58.3	1.298	2.174	15.5	19.5
2 11	10 43.86	+ 8 22.4	2.808	3.760	4.6	20.8	2 11	10 43.94	- 5 4.0	1.247	2.178	11.4	19.3
2 21	10 36.08	+ 8 41.6	2.760	3.745	1.5	20.6	2 21	10 36.21	- 4 44.4	1.217	2.183	7.4	19.1
3 2	10 27.86	+ 9 2.2	2.743	3.730	1.7	20.6	3 2	10 27.78	- 4 2.7	1.212	2.190	5.8	19.0
3 12	10 19.89	+ 9 20.9	2.758	3.715	4.8	20.8	3 12	10 20.02	- 3 6.5	1.232	2.197	8.2	19.1
3 22	10 12.79	+ 9 35.1	2.802	3.699	7.7	20.9	3 22	10 14.08	- 2 5.0	1.276	2.206	12.2	19.4
4 1	10 7.08	+ 9 42.9	2.872	3.683	10.3	21.1	4 1	10 10.80	- 1 6.8	1.341	2.216	16.1	19.6
<b>520917</b>	2014 <i>WG</i> <sub>531</sub>		2 25.7	178°26	3°8/22.0	17	<b>293519</b>	2007 <i>GV</i> <sub>37</sub>		2 25.7	108°39	3°1/22.9	18
1 22	10 56.87	+17 36.1	2.016	2.852	12.5	21.3	1 22	10 56.96	+15 39.2	1.970	2.804	12.8	20.9
2 1	10 51.95	+18 37.2	1.944	2.852	9.3	21.1	2 1	10 51.99	+16 30.7	1.903	2.811	9.5	20.7
2 11	10 44.93	+19 42.3	1.896	2.853	6.0	20.9	2 11	10 44.92	+17 27.2	1.860	2.818	5.9	20.5
2 21	10 36.46	+20 44.3	1.877	2.853	3.8	20.8	2 21	10 36.46	+18 22.1	1.845	2.825	3.2	20.3
3 2	10 27.46	+21 36.2	1.886	2.853	5.3	20.9	3 2	10 27.54	+19 8.7	1.858	2.832	4.6	20.4
3 12	10 19.00	+22 12.3	1.923	2.853	8.6	21.1	3 12	10 19.22	+19 41.8	1.900	2.839	8.1	20.6
3 22	10 11.98	+22 30.2	1.986	2.853	11.9	21.3	3 22	10 12.37	+19 58.7	1.968	2.845	11.5	20.8
4 1	10 7.08	+22 29.6	2.071	2.852	14.7	21.5	4 1	10 7.63	+19 58.8	2.058	2.852	14.4	21.1
<b>255490</b>	2006 <i>AY</i> <sub>7</sub>		2 25.7	337°24	0°4/26.1	18	<b>32566</b>	2001 <i>QC</i> <sub>70</sub>		2 25.7	149°76	2°4/28.6	18
1 22	10 46.65	+ 3 51.2	1.298	2.143	17.4	19.3	1 22	10 52.48	- 1 58.3	2.557	3.329	12.0	19.0
2 1	10 45.36	+ 4 38.4	1.206	2.118	13.4	19.0	2 1	10 48.24	- 1 34.4	2.470	3.334	9.4	18.8
2 11	10 41.44	+ 5 51.3	1.134	2.094	8.5	18.7	2 11	10 42.46	- 0 55.4	2.406	3.339	6.5	18.6
2 21	10 35.46	+ 7 25.1	1.086	2.071	3.0	18.3	2 21	10 35.65	- 0 3.4	2.370	3.343	3.6	18.4
3 2	10 28.48	+ 9 10.5	1.062	2.050	3.0	18.2	3 2	10 28.44	+ 0 57.6	2.364	3.348	2.5	18.4
3 12	10 21.90	+10 54.5	1.064	2.031	8.8	18.5	3 12	10 21.58	+ 2 2.7	2.388	3.352	4.9	18.5
3 22	10 17.03	+12 25.4	1.088	2.013	14.3	18.7	3 22	10 15.71	+ 3 6.7	2.441	3.355	7.9	18.7
4 1	10 14.89	+13 34.7	1.131	1.998	19.1	18.9	4 1	10 11.36	+ 4 4.9	2.520	3.359	10.7	18.9
<b>296732</b>	2009 <i>TP</i> <sub>11</sub>		2 25.7	122°90	4°3/21.8	18	<b>251901</b>	1999 <i>VY</i> <sub>120</sub>		2 25.7	233°81	1°9/27.3	16
1 22	10 57.66	+18 57.6	1.953	2.791	12.7	20.8	1 22	10 57.34	+ 2 4.6	1.839	2.639	15.0	21.6
2 1	10 52.56	+19 57.0	1.887	2.796	9.5	20.6	2 1	10 52.57	+ 2 17.1	1.746	2.631	11.6	21.3
2 11	10 45.30	+20 58.8	1.846	2.801	6.2	20.4	2 11	10 45.49	+ 2 46.3	1.676	2.622	7.7	21.1
2 21	10 36.57	+21 55.6	1.832	2.806	4.3	20.3	2 21	10 36.72	+ 3 29.6	1.632	2.613	3.5	20.8
3 2	10 27.36	+22 40.5	1.847	2.811	5.8	20.4	3 2	10 27.21	+ 4 22.2	1.616	2.603	2.6	20.7
3 12	10 18.78	+23 8.3	1.890	2.816	8.9	20.6	3 12	10 18.10	+ 5 17.4	1.629	2.593	6.7	20.9
3 22	10 11.73	+23 17.1	1.957	2.821	12.2	20.8	3 22	10 10.43	+ 6 8.7	1.668	2.582	11.0	21.2
4 1	10 6.87	+23 7.3	2.047	2.825	15.0	21.0	4 1	10 5.00	+ 6 50.9	1.731	2.572	14.7	21.4
<b>86901</b>	2000 <i>HW</i> <sub>44</sub>		2 25.7	173°22	0°5/25.3	18	<b>126292</b>	2002 <i>AB</i> <sub>107</sub>		2 25.7	51°48	0°4/25.5	18
1 22	10 58.76	+ 7 10.3	1.838	2.652	14.4	20.3	1 22	10 59.53	+ 8 3.7	1.224	2.064	18.6	19.1
2 1	10 53.51	+ 7 57.9	1.758	2.655	10.8	20.0	2 1	10 54.69	+ 8 25.6	1.173	2.083	13.9	18.8
2 11	10 45.97	+ 8 59.4	1.703	2.658	6.6	19.8	2 11	10 46.88	+ 9 2.9	1.142	2.102	8.5	18.6
2 21	10 36.82	+10 9.2	1.674	2.660	2.1	19.5	2 21	10 37.13	+ 9 48.7	1.136	2.122	2.7	18.3
3 2	10 27.06	+11 19.9	1.676	2.662	2.8	19.5	3 2	10 26.89	+10 34.7	1.155	2.142	3.3	18.4
3 12	10 17.85	+12 24.2	1.706	2.662	7.3	19.8	3 12	10 17.74	+11 12.6	1.200	2.163	8.8	18.8
3 22	10 10.17	+13 16.1	1.763	2.662	11.4	20.1	3 22	10 10.90	+11 37.0	1.269	2.184	13.6	19.1
4 1	10 4.76	+13 52.5	1.843	2.661	14.9	20.3	4 1	10 7.06	+11 45.5	1.357	2.205	17.6	19.4
<b>125938</b>	2001 <i>XP</i> <sub>240</sub>		2 25.7	62°86	2°8/23.4	18	<b>381299</b>	2007 <i>UG</i> <sub>39</sub>		2 25.7	55°45	2°1/27.8	18
1 22	10 56.68	+13 51.6	1.719	2.556	14.2	19.8	1 22	10 53.71	+ 0 48.6	2.097	2.891	13.6	20.6
2 1	10 52.00	+14 42.2	1.655	2.566	10.5	19.6	2 1	10 49.42	+ 0 58.8	2.021	2.900	10.5	20.4
2 11	10 45.01	+15 40.2	1.616	2.576	6.4	19.4	2 11	10 43.30	+ 1 24.2	1.967	2.909	7.1	20.2
2 21	10 36.49	+16 38.3	1.603	2.586	3.0	19.2	2 21	10 35.94	+ 2 2.1	1.941	2.919	3.5	20.0
3 2	10 27.49	+17 29.1	1.618	2.596	4.5	19.3	3 2	10 28.16	+ 2 48.4	1.943	2.928	2.5	19.9
3 12	10 19.18	+18 6.3	1.661	2.607	8.4	19.6	3 12	10 20.86	+ 3 37.6	1.974	2.938	5.7	20.2
3 22	10 12.53	+18 26.6	1.729	2.617	12.2	19.8	3 22	10 14.81	+ 4 24.3	2.032	2.948	9.2	20.4
4 1	10 8.22	+18 29.3	1.818	2.627	15.4	20.0	4 1	10 10.60	+ 5 4.2	2.114	2.958	12.3	20.6
<b>418377</b>	2008 <i>HA</i> <sub>5</sub>		2 25.7	278°41	6°8/20.2	16	<b>518439</b>	2003 <i>YY</i> <sub>182</sub>		2 25.7			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>52196</b>	2075 $T_{-3}$		2 25.7 113°97'	0°6/26.3	18		<b>264991</b>	2003 $DD_9$		2 25.7 22°19'	3°9/22.3	18	
1 22	10 58.23	+ 5 13.4	1.953	2.759	14.0	18.8	1 22	10 54.09	+14 36.2	1.552	2.400	14.8	20.1
2 1	10 52.85	+ 5 37.7	1.884	2.774	10.6	18.6	2 1	10 50.40	+15 57.7	1.487	2.404	11.0	19.9
2 11	10 45.42	+ 6 14.9	1.838	2.790	6.6	18.4	2 11	10 44.23	+17 28.6	1.446	2.407	6.8	19.6
2 21	10 36.63	+ 7 1.0	1.820	2.804	2.4	18.1	2 21	10 36.33	+18 59.3	1.431	2.411	3.9	19.5
3 2	10 27.43	+ 7 50.3	1.831	2.819	2.2	18.1	3 2	10 27.81	+20 19.6	1.443	2.415	5.8	19.6
3 12	10 18.84	+ 8 37.0	1.872	2.833	6.3	18.4	3 12	10 19.96	+21 21.0	1.481	2.420	9.9	19.8
3 22	10 11.71	+ 9 16.2	1.940	2.846	10.1	18.7	3 22	10 13.85	+21 59.3	1.543	2.425	13.8	20.1
4 1	10 6.68	+ 9 44.7	2.031	2.859	13.3	18.9	4 1	10 10.23	+22 13.8	1.626	2.431	17.1	20.3
<b>498220</b>	2007 $TL_{447}$		2 25.7 81°38'	2°0/23.9	18		<b>85303</b>	1994 $VN_1$		2 25.7 112°38'	0°2/25.6	18	
1 22	10 57.62	+14 8.4	2.198	3.022	12.0	20.9	1 22	11 0.40	+ 6 19.3	1.729	2.542	15.2	20.1
2 1	10 52.20	+14 32.2	2.131	3.034	8.8	20.8	2 1	10 54.65	+ 7 4.8	1.668	2.563	11.4	19.9
2 11	10 44.93	+15 0.5	2.089	3.047	5.4	20.6	2 11	10 46.60	+ 8 4.3	1.630	2.585	7.0	19.6
2 21	10 36.46	+15 28.5	2.075	3.059	2.3	20.4	2 21	10 37.05	+ 9 12.0	1.619	2.605	2.2	19.4
3 2	10 27.64	+15 51.5	2.091	3.071	3.4	20.5	3 2	10 27.07	+10 20.2	1.638	2.625	2.6	19.4
3 12	10 19.39	+16 5.6	2.136	3.083	6.7	20.7	3 12	10 17.86	+11 21.6	1.686	2.643	7.2	19.8
3 22	10 12.50	+16 8.6	2.208	3.095	10.0	20.9	3 22	10 10.38	+12 10.7	1.760	2.662	11.2	20.0
4 1	10 7.53	+15 59.9	2.304	3.107	12.8	21.1	4 1	10 5.26	+12 44.6	1.857	2.679	14.6	20.3
<b>50803</b>	2000 $FP_{27}$		2 25.7 85°91'	4°6/ 1.3	18		<b>501891</b>	2014 $WX_{425}$		2 25.7 346°61'	0°1/25.7	17	
1 22	10 54.68	- 7 23.6	1.766	2.531	16.8	18.5	1 22	11 0.95	+ 9 35.1	1.792	2.611	14.5	20.9
2 1	10 50.43	- 6 58.8	1.695	2.548	13.6	18.4	2 1	10 55.22	+ 9 22.4	1.710	2.609	11.0	20.6
2 11	10 44.04	- 6 8.0	1.644	2.565	9.9	18.2	2 11	10 47.07	+ 9 17.7	1.652	2.607	6.8	20.4
2 21	10 36.21	- 4 53.5	1.619	2.581	6.3	18.0	2 21	10 37.25	+ 9 17.7	1.620	2.606	2.2	20.1
3 2	10 27.90	- 3 21.1	1.621	2.598	4.6	17.9	3 2	10 26.81	+ 9 18.4	1.618	2.605	2.5	20.1
3 12	10 20.21	- 1 39.5	1.651	2.614	6.7	18.1	3 12	10 16.96	+ 9 15.9	1.644	2.604	7.1	20.4
3 22	10 14.04	+ 0 2.0	1.708	2.630	10.2	18.3	3 22	10 8.76	+ 9 7.2	1.696	2.603	11.3	20.6
4 1	10 10.03	+ 1 35.0	1.790	2.646	13.6	18.6	4 1	10 2.96	+ 8 50.6	1.771	2.602	14.8	20.8
<b>161480</b>	2004 $GX_{38}$		2 25.7 64°34'	2°9/23.5	18		<b>295975</b>	2008 $YO_{35}$		2 25.7 206°60'	2°9/22.1	17	
1 22	10 58.97	+14 14.2	1.578	2.417	15.1	19.2	1 22	10 53.92	+16 24.0	2.580	3.408	10.3	21.2
2 1	10 53.82	+14 57.2	1.521	2.432	11.2	19.0	2 1	10 49.41	+17 27.3	2.499	3.404	7.6	21.0
2 11	10 46.17	+15 46.8	1.487	2.447	6.8	18.8	2 11	10 43.25	+18 35.0	2.444	3.400	4.8	20.8
2 21	10 36.90	+16 35.9	1.479	2.463	3.2	18.6	2 21	10 35.96	+19 41.6	2.418	3.396	3.0	20.7
3 2	10 27.18	+17 16.6	1.500	2.478	4.7	18.8	3 2	10 28.23	+20 41.2	2.423	3.391	4.2	20.8
3 12	10 18.32	+17 43.1	1.547	2.494	8.8	19.0	3 12	10 20.84	+21 29.2	2.457	3.386	7.0	20.9
3 22	10 11.33	+17 52.6	1.619	2.510	12.7	19.3	3 22	10 14.50	+22 2.6	2.518	3.380	9.8	21.1
4 1	10 6.89	+17 45.0	1.712	2.525	16.0	19.5	4 1	10 9.76	+22 20.4	2.602	3.374	12.3	21.3
<b>417799</b>	2007 $EU_{134}$		2 25.7 336°83'	2°1/27.7	18		<b>238317</b>	2003 $YT_{99}$		2 25.7 53°99'	3°4/28.9	18	
1 22	10 48.49	- 1 25.2	1.463	2.279	17.3	20.0	1 22	10 54.48	- 2 11.5	1.957	2.740	14.8	19.9
2 1	10 46.42	- 0 27.9	1.373	2.266	13.6	19.7	2 1	10 50.11	- 2 13.5	1.884	2.753	11.7	19.7
2 11	10 41.92	+ 0 58.7	1.305	2.254	9.1	19.5	2 11	10 43.78	- 1 57.5	1.833	2.766	8.2	19.5
2 21	10 35.61	+ 2 50.5	1.261	2.242	4.2	19.1	2 21	10 36.14	- 1 25.5	1.808	2.779	4.8	19.3
3 2	10 28.49	+ 4 58.6	1.244	2.232	2.8	19.0	3 2	10 28.07	- 0 41.1	1.812	2.793	3.5	19.3
3 12	10 21.81	+ 7 10.0	1.254	2.222	7.6	19.3	3 12	10 20.53	+ 0 9.7	1.843	2.807	6.1	19.4
3 22	10 16.70	+ 9 12.3	1.288	2.214	12.5	19.5	3 22	10 14.34	+ 1 1.1	1.901	2.821	9.5	19.7
4 1	10 14.03	+10 55.5	1.345	2.206	16.9	19.8	4 1	10 10.13	+ 1 47.5	1.983	2.835	12.7	19.9
<b>430470</b>	2001 $RW_{64}$		2 25.7 149°82'	3°5/ 1.2	17		<b>294143</b>	2007 $TA_{311}$		2 25.7 65°43'	4°7/21.0	17	
1 22	10 52.57	- 6 22.7	2.799	3.542	11.7	21.6	1 22	10 56.36	+21 38.3	2.145	2.982	11.7	20.7
2 1	10 48.19	- 6 8.0	2.709	3.550	9.5	21.4	2 1	10 51.47	+22 35.4	2.080	2.987	8.8	20.6
2 11	10 42.39	- 5 37.4	2.644	3.557	7.0	21.3	2 11	10 44.60	+23 32.3	2.040	2.992	6.1	20.4
2 21	10 35.64	- 4 52.0	2.605	3.564	4.6	21.1	2 21	10 36.40	+24 22.2	2.028	2.996	4.7	20.3
3 2	10 28.54	- 3 54.9	2.596	3.570	3.5	21.1	3 2	10 27.79	+24 59.1	2.045	3.001	6.1	20.4
3 12	10 21.75	- 2 50.4	2.617	3.576	4.9	21.2	3 12	10 19.74	+25 18.6	2.090	3.006	8.8	20.6
3 22	10 15.89	- 1 43.6	2.668	3.581	7.4	21.3	3 22	10 13.10	+25 19.6	2.159	3.011	11.7	20.8
4 1	10 11.42	- 0 39.1	2.745	3.587	9.8	21.5	4 1	10 8.46	+25 2.8	2.250	3.015	14.2	21.0
<b>325144</b>	2008 $EL_{156}$		2 25.7 46°96'	0°7/25.2	18		<b>12173</b>	Lansbergen		2 25.7 61°05'	1°0/26.6	18	
1 22	10 57.60	+ 9 1.9	1.644	2.472	15.2	21.1	1 22	10 54.54	+ 3 47.1	1.839	2.650	14.5	18.3
2 1	10 52.84	+ 9 24.6	1.571	2.476	11.4	20.9	2 1	10 50.32	+ 4 15.5	1.763	2.655	11.1	18.0
2 11	10 45.65	+ 9 58.9	1.521	2.479	7.0	20.6	2 11	10 44.00	+ 4 59.6	1.710	2.661	7.1	17.8
2 21	10 36.77	+10 39.6	1.497	2.483	2.2	20.3	2 21	10 36.24	+ 5 55.2	1.683	2.667	2.7	17.5
3 2	10 27.30	+11 20.3	1.501	2.487	2.9	20.4	3 2	10 27.96	+ 6 56.4	1.685	2.673	2.2	17.5
3 12	10 18.48	+11 54.5	1.532	2.491	7.6	20.7	3 12	10 20.20	+ 7 56.1	1.715	2.679	6.5	17.8
3 22	10 11.36	+12 17.6	1.589	2.496	11.9	20.9	3 22	10 13.89	+ 8 48.5	1.772	2.685	10.5	18.1
4 1	10 6.68	+12 27.0	1.668	2.500	15.6	21.2	4 1	10 9.67	+ 9 29.2	1.851	2.691	14.0	18.3
<b>292234</b>	2006 $SM_{64}$		2 25.7 48°35'	5°4/ 3.0	18		<b>456703</b>	2007 $RM_{244}$		2 25.7 90°85'	1°5/24.6	18	
1 22	10 51.06	-10 48.5	2.191	2.928	14.8	20.5	1 22	10 59.95	+10 9.1	1.608	2.436	15.5	22.3
2 1	10 47.43	-10 39.2	2.111	2.939	12.3	20.3	2 1	10 54.48	+10 52.7	1.550	2.455	11.4	22.1
2 11	10 42.08	-10 7.1	2.051	2.950	9.5	20.1	2 11	10 46.56	+11 47.2	1.516	2.475	6.9	21.9
2 21	10 35.56	- 9 12.8	2.017	2.962	6.8	20.0	2 21	10 37.06	+12 45.7	1.508	2.494	2.3	21.6
3 2	10 28.64	- 7 59.7	2.009	2.973	5.4	19.9	3 2	10 27.12	+13 40.4	1.529	2.513	3.5	21.8
3 12	10 22.14	- 6 33.9	2.030	2.985	6.4	20.0	3 12	10 18.03	+14 24.5	1.578	2.532	8.0	22.1
3 22	10 16.81	- 5 2.7	2.078	2.997	8.8	20.2	3 22	10 10.79	+14 53.9	1.652	2.550	12.1	22.4
4 1	10 13.20	- 3 33.5	2.152	3.010	11.6	20.4	4 1	10 6.05	+15 6.8	1.748	2.568	15.5	22.6
<b>243050</b>	2007 $BX_3$		2 25.7 241°47'	1°7/23.6	18		<b>247355</b>	2001 $VH_{122}$	</				

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>64085</b>	2001 <i>SC</i> <sub>283</sub>		2 25.7	63°77	6°9/20.6	18	<b>216614</b>	2002 <i>TR</i> <sub>376</sub>		2 25.8	240°89	3°4/28.6	16
1 22	11 2.70	+25 51.5	1.677	2.517	14.3	17.7	1 22	10 56.44	- 1 51.8	1.863	2.648	15.4	21.6
2 1	10 56.56	+26 46.2	1.628	2.532	11.1	17.6	2 1	10 51.91	- 1 48.8	1.768	2.639	12.2	21.4
2 11	10 47.83	+27 35.4	1.603	2.547	8.1	17.4	2 11	10 45.12	- 1 26.4	1.694	2.629	8.6	21.1
2 21	10 37.45	+28 10.3	1.605	2.563	6.9	17.4	2 21	10 36.67	+ 0 46.1	1.647	2.620	4.9	20.9
3 2	10 26.73	+28 23.9	1.633	2.579	8.3	17.5	3 2	10 27.48	+ 0 8.3	1.627	2.610	3.5	20.8
3 12	10 17.02	+28 13.3	1.687	2.594	11.1	17.7	3 12	10 18.66	+ 1 10.4	1.635	2.599	6.7	20.9
3 22	10 9.36	+27 39.8	1.765	2.610	14.1	17.9	3 22	10 11.22	+ 2 13.0	1.670	2.589	10.7	21.2
4 1	10 4.40	+26 46.8	1.863	2.626	16.8	18.1	4 1	10 5.96	+ 3 9.7	1.729	2.578	14.4	21.4
<b>36618</b>	2000 <i>QB</i> <sub>151</sub>		2 25.7	191°89	0°8/26.4	18	<b>480114</b>	2015 <i>FJ</i> <sub>75</sub>		2 25.8	266°12	3°4/29.9	16
1 22	11 0.32	+ 5 26.8	1.841	2.647	14.7	19.2	1 22	10 51.98	- 5 47.1	2.767	3.516	11.7	22.6
2 1	10 54.74	+ 5 36.5	1.756	2.646	11.2	18.9	2 1	10 47.95	- 5 33.4	2.650	3.495	9.6	22.4
2 11	10 46.80	+ 5 59.4	1.694	2.645	7.1	18.7	2 11	10 42.40	- 5 3.3	2.556	3.473	7.0	22.2
2 21	10 37.19	+ 6 32.1	1.659	2.643	2.7	18.4	2 21	10 35.73	- 4 17.6	2.490	3.450	4.6	22.0
3 2	10 26.91	+ 7 9.5	1.653	2.640	2.3	18.4	3 2	10 28.54	- 3 18.8	2.452	3.428	3.5	21.9
3 12	10 17.15	+ 7 45.8	1.676	2.637	6.8	18.6	3 12	10 21.51	- 2 11.2	2.445	3.404	5.1	21.9
3 22	10 8.94	+ 8 15.9	1.725	2.633	11.0	18.9	3 22	10 15.32	- 1 0.1	2.466	3.381	7.8	22.1
4 1	10 3.04	+ 8 36.1	1.798	2.629	14.7	19.1	4 1	10 10.52	+ 0 9.3	2.514	3.357	10.6	22.2
<b>143362</b>	2003 <i>BC</i> <sub>6</sub>		2 25.7	14°11	1°9/23.6	18	<b>50452</b>	2000 <i>DT</i> <sub>41</sub>		2 25.8	202°91	0°7/25.0	18
1 22	10 52.11	+11 30.2	2.266	3.093	11.6	19.6	1 22	10 54.29	+ 8 44.2	2.314	3.129	11.8	19.6
2 1	10 48.22	+12 34.7	2.187	3.093	8.5	19.4	2 1	10 49.81	+ 9 23.3	2.229	3.127	8.8	19.4
2 11	10 42.59	+13 48.0	2.134	3.094	5.1	19.2	2 11	10 43.57	+10 12.1	2.168	3.125	5.4	19.2
2 21	10 35.77	+15 4.3	2.110	3.094	2.1	19.0	2 21	10 36.11	+11 6.2	2.137	3.122	1.7	18.9
3 2	10 28.49	+16 17.1	2.115	3.095	3.4	19.1	3 2	10 28.17	+12 0.4	2.135	3.120	2.4	19.0
3 12	10 21.61	+17 20.4	2.150	3.095	6.8	19.3	3 12	10 20.62	+12 49.3	2.162	3.117	6.1	19.2
3 22	10 15.87	+18 9.9	2.211	3.096	10.1	19.5	3 22	10 14.20	+13 28.7	2.217	3.114	9.5	19.4
4 1	10 11.84	+18 43.5	2.296	3.096	12.9	19.7	4 1	10 9.51	+13 56.1	2.296	3.111	12.4	19.6
<b>48298</b>	2002 <i>LL</i> <sub>33</sub>		2 25.7	260°66	1°8/27.3	18 R	<b>362043</b>	2009 <i>BE</i> <sub>4</sub>		2 25.8	34°87	5°7/29.5	18
1 22	10 56.43	+ 2 31.6	2.216	3.008	13.0	20.0	1 22	10 56.37	- 3 33.7	1.130	1.944	21.5	20.2
2 1	10 51.59	+ 2 33.2	2.112	2.992	10.1	19.8	2 1	10 52.61	- 4 5.2	1.076	1.960	17.2	19.9
2 11	10 44.78	+ 2 47.8	2.032	2.976	6.7	19.5	2 11	10 45.79	- 4 7.9	1.040	1.977	12.4	19.7
2 21	10 36.53	+ 3 13.5	1.979	2.959	3.2	19.3	2 21	10 36.89	- 3 42.7	1.026	1.995	7.7	19.5
3 2	10 27.61	+ 3 46.8	1.956	2.942	2.4	19.2	3 2	10 27.37	- 2 54.5	1.034	2.015	5.8	19.5
3 12	10 18.97	+ 4 23.1	1.962	2.925	5.9	19.4	3 12	10 18.86	- 1 53.2	1.067	2.035	8.8	19.7
3 22	10 11.47	+ 4 57.6	1.995	2.907	9.6	19.5	3 22	10 12.64	- 0 49.3	1.123	2.056	13.3	20.0
4 1	10 5.83	+ 5 26.2	2.054	2.889	12.9	19.7	4 1	10 9.50	+ 0 7.8	1.199	2.077	17.4	20.3
<b>145357</b>	2005 <i>ME</i> <sub>25</sub>		2 25.8	202°09	2°3/22.6	18	<b>109965</b>	2001 <i>SY</i> <sub>49</sub>		2 25.8	91°97	0°8/26.6	18
1 22	10 52.98	+15 9.0	2.928	3.751	9.3	20.6	1 22	10 54.33	+ 2 12.0	1.832	2.638	14.8	19.5
2 1	10 48.53	+16 8.9	2.843	3.747	6.9	20.5	2 1	10 50.13	+ 3 12.6	1.762	2.652	11.2	19.3
2 11	10 42.64	+17 13.3	2.786	3.742	4.3	20.3	2 11	10 43.87	+ 4 31.8	1.716	2.666	7.1	19.1
2 21	10 35.77	+18 17.6	2.758	3.738	2.4	20.1	2 21	10 36.21	+ 6 4.0	1.696	2.680	2.7	18.9
3 2	10 28.50	+19 16.8	2.761	3.732	3.5	20.2	3 2	10 28.09	+ 7 41.3	1.705	2.693	2.2	18.9
3 12	10 21.52	+20 6.6	2.794	3.727	6.1	20.4	3 12	10 20.55	+ 9 14.9	1.744	2.706	6.5	19.2
3 22	10 15.44	+20 44.3	2.856	3.721	8.7	20.5	3 22	10 14.44	+10 37.4	1.810	2.720	10.5	19.4
4 1	10 10.74	+21 8.5	2.941	3.714	11.0	20.7	4 1	10 10.42	+11 44.1	1.899	2.733	13.9	19.7
<b>211010</b>	2001 <i>XE</i> <sub>263</sub>		2 25.8	10°15	1°2/24.7	17	<b>197347</b>	2003 <i>XN</i> <sub>7</sub>		2 25.8	69°80	5°6/19.8	18
1 22	10 53.01	+10 20.1	1.819	2.653	13.7	19.9	1 22	10 55.38	+22 33.2	2.016	2.859	12.2	19.8
2 1	10 49.22	+10 51.8	1.747	2.655	10.2	19.7	2 1	10 50.88	+23 57.8	1.960	2.868	9.2	19.7
2 11	10 43.33	+11 33.3	1.698	2.658	6.2	19.5	2 11	10 44.31	+25 22.0	1.929	2.878	6.6	19.5
2 21	10 36.03	+12 19.4	1.676	2.662	2.0	19.2	2 21	10 36.35	+26 37.4	1.925	2.887	5.6	19.5
3 2	10 28.23	+13 3.8	1.682	2.667	3.1	19.3	3 2	10 27.96	+27 36.5	1.950	2.896	7.1	19.6
3 12	10 20.98	+13 40.6	1.715	2.672	7.2	19.5	3 12	10 20.17	+28 14.4	2.002	2.906	9.8	19.8
3 22	10 15.17	+14 5.6	1.774	2.678	11.1	19.8	3 22	10 13.85	+28 29.8	2.077	2.915	12.6	20.0
4 1	10 11.46	+14 16.6	1.855	2.684	14.4	20.0	4 1	10 9.62	+28 23.7	2.173	2.925	15.0	20.2
<b>372442</b>	2009 <i>SV</i> <sub>72</sub>		2 25.8	209°61	0°7/26.3	17	<b>249444</b>	2009 <i>FS</i> <sub>64</sub>		2 25.8	256°05	1°5/24.1	17
1 22	10 56.56	+ 5 14.8	1.926	2.735	14.0	21.8	1 22	10 53.35	+11 57.8	2.521	3.342	10.7	20.9
2 1	10 51.82	+ 5 33.4	1.841	2.733	10.7	21.6	2 1	10 49.03	+12 38.1	2.431	3.334	7.9	20.7
2 11	10 44.95	+ 6 5.4	1.780	2.732	6.8	21.3	2 11	10 43.06	+13 25.2	2.368	3.326	4.8	20.5
2 21	10 36.58	+ 6 47.2	1.745	2.729	2.5	21.1	2 21	10 35.94	+14 14.8	2.333	3.317	1.9	20.3
3 2	10 27.61	+ 7 33.5	1.740	2.727	2.2	21.0	3 2	10 28.37	+15 2.0	2.328	3.309	2.9	20.3
3 12	10 19.11	+ 8 18.4	1.763	2.725	6.5	21.3	3 12	10 21.13	+15 42.2	2.352	3.300	6.1	20.5
3 22	10 12.00	+ 8 56.7	1.813	2.722	10.5	21.5	3 22	10 14.90	+16 11.8	2.404	3.291	9.3	20.7
4 1	10 7.00	+ 9 24.5	1.886	2.719	14.0	21.7	4 1	10 10.27	+16 29.2	2.480	3.282	12.0	20.9
<b>457224</b>	2008 <i>KM</i> <sub>18</sub>		2 25.8	2°05	5°7/20.5	17	<b>403825</b>	2011 <i>UY</i> <sub>165</sub>		2 25.8	138°25	3°8/22.4	18
1 22	10 48.51	+14 46.0	1.204	2.074	16.7	19.6	1 22	10 59.20	+15 51.9	1.740	2.577	14.1	21.2
2 1	10 46.85	+16 54.7	1.144	2.072	12.3	19.3	2 1	10 53.97	+17 4.3	1.676	2.585	10.4	20.9
2 11	10 42.35	+19 17.8	1.107	2.071	7.9	19.1	2 11	10 46.33	+18 23.0	1.636	2.594	6.6	20.7
2 21	10 35.80	+21 40.6	1.094	2.072	5.7	18.9	2 21	10 37.04	+19 39.5	1.623	2.602	3.9	20.6
3 2	10 28.46	+23 47.0	1.107	2.074	8.3	19.1	3 2	10 27.21	+20 45.1	1.639	2.609	5.6	20.7
3 12	10 21.87	+25 23.8	1.144	2.077	12.7	19.3	3 12	10 18.07	+21 32.8	1.682	2.616	9.3	20.9
3 22	10 17.28	+26 25.2	1.201	2.081	17.0	19.6	3 22	10 10.64	+21 59.8	1.751	2.623	12.9	21.2
4 1	10 15.55	+26 50.9	1.276	2.087	20.6	19.8	4 1	10 5.64	+22 5.7	1.840	2.629	16.0	21.4
<b>178644</b>	2000 <i>KO</i> <sub>12</sub>		2 25.8	247°56	2°9/23.1	17	<b>101045</b>	1998 <i>QN</i> <sub>100</sub>		2 25.8			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>266353</b>	2007 <i>DV</i> <sub>112</sub>		2 25.8 307°72	6°0/19.5 18			<b>261209</b>	2005 <i>TA</i> <sub>189</sub>		2 25.8 30°06	0°8/26.3 18		
1 22	10 53.85	+20 14.0	1.704	2.555	13.6	20.0	1 22	10 55.46	+ 5 23.7	1.485	2.312	16.5	20.6
2 1	10 50.28	+22 2.2	1.630	2.545	10.3	19.7	2 1	10 51.41	+ 5 38.4	1.419	2.321	12.5	20.3
2 11	10 44.25	+23 56.0	1.581	2.535	7.2	19.5	2 11	10 44.85	+ 6 9.2	1.375	2.331	7.9	20.1
2 21	10 36.42	+25 44.4	1.559	2.526	6.1	19.5	2 21	10 36.60	+ 6 51.4	1.356	2.341	2.9	19.8
3 2	10 27.84	+27 16.4	1.565	2.516	8.1	19.5	3 2	10 27.78	+ 7 38.5	1.364	2.352	2.5	19.8
3 12	10 19.74	+28 23.6	1.597	2.507	11.4	19.7	3 12	10 19.69	+ 8 23.1	1.398	2.363	7.5	20.1
3 22	10 13.26	+29 2.6	1.651	2.498	14.9	19.9	3 22	10 13.40	+ 8 59.1	1.457	2.375	11.9	20.4
4 1	10 9.20	+29 13.6	1.724	2.489	17.9	20.1	4 1	10 9.62	+ 9 22.5	1.538	2.388	15.8	20.7
<b>408261</b>	2013 <i>FD</i> <sub>10</sub>		2 25.8 305°92	1°3/24.9 14 C			<b>406836</b>	2008 <i>YK</i> <sub>155</sub>		2 25.8 331°31	3°4/27.9 14 C		
1 22	10 57.70	+ 9 55.7	1.424	2.263	16.5	21.5	1 22	10 57.78	+ 1 0.2	1.400	2.213	18.1	21.1
2 1	10 53.46	+10 22.9	1.343	2.253	12.5	21.2	2 1	10 53.52	+ 0 39.1	1.319	2.208	14.3	20.8
2 11	10 46.36	+11 3.3	1.284	2.244	7.7	20.9	2 11	10 46.41	+ 0 37.4	1.257	2.202	9.8	20.6
2 21	10 37.15	+11 51.1	1.249	2.235	2.5	20.6	2 21	10 37.19	+ 0 54.0	1.220	2.198	5.2	20.3
3 2	10 27.04	+12 38.1	1.241	2.226	3.6	20.7	3 2	10 27.06	+ 1 24.8	1.208	2.193	3.8	20.2
3 12	10 17.52	+13 16.4	1.259	2.218	8.9	20.9	3 12	10 17.52	+ 2 3.1	1.223	2.189	8.0	20.4
3 22	10 9.90	+13 40.4	1.300	2.209	13.8	21.2	3 22	10 9.87	+ 2 41.5	1.261	2.186	12.8	20.7
4 1	10 5.11	+13 47.1	1.363	2.201	18.0	21.4	4 1	10 5.05	+ 3 13.3	1.321	2.183	17.1	20.9
<b>352675</b>	2008 <i>RO</i> <sub>106</sub>		2 25.8 108°63	0°7/26.3 18			<b>326988</b>	2004 <i>PN</i> <sub>77</sub>		2 25.8 277°08	0°7/26.5 17		
1 22	10 57.03	+ 3 17.8	1.467	2.286	17.1	20.9	1 22	10 52.93	+ 2 35.9	1.873	2.682	14.4	20.3
2 1	10 52.67	+ 4 5.6	1.397	2.295	13.1	20.7	2 1	10 49.31	+ 3 30.5	1.777	2.668	11.0	20.1
2 11	10 45.68	+ 5 14.4	1.350	2.303	8.3	20.4	2 11	10 43.55	+ 4 44.7	1.704	2.655	7.1	19.8
2 21	10 36.87	+ 6 38.1	1.327	2.311	3.0	20.1	2 21	10 36.20	+ 6 14.2	1.657	2.641	2.7	19.5
3 2	10 27.41	+ 8 7.9	1.332	2.320	2.6	20.1	3 2	10 28.14	+ 7 51.7	1.640	2.627	2.2	19.4
3 12	10 18.65	+ 9 33.3	1.364	2.327	7.8	20.5	3 12	10 20.40	+ 9 28.4	1.651	2.614	6.8	19.7
3 22	10 11.74	+10 46.0	1.421	2.335	12.5	20.7	3 22	10 13.97	+10 56.0	1.689	2.600	11.1	19.9
4 1	10 7.45	+11 40.8	1.500	2.342	16.5	21.0	4 1	10 9.61	+12 8.5	1.751	2.586	14.8	20.1
<b>420294</b>	2011 <i>UF</i> <sub>369</sub>		2 25.8 234°54	3°6/22.9 18			<b>473905</b>	2016 <i>EB</i> <sub>149</sub>		2 25.8 291°10	7°3/19.4 17		
1 22	10 59.42	+15 29.9	1.644	2.483	14.7	21.3	1 22	11 0.31	+26 58.2	1.804	2.644	13.5	20.7
2 1	10 54.43	+16 24.9	1.566	2.476	11.0	21.0	2 1	10 55.07	+28 4.4	1.728	2.631	10.7	20.5
2 11	10 46.79	+17 27.5	1.511	2.470	6.9	20.8	2 11	10 47.18	+29 7.0	1.677	2.617	8.2	20.3
2 21	10 37.26	+18 29.5	1.483	2.463	3.8	20.6	2 21	10 37.40	+29 56.5	1.651	2.603	7.4	20.2
3 2	10 26.96	+19 22.3	1.482	2.456	5.4	20.6	3 2	10 26.87	+30 24.6	1.652	2.589	8.9	20.3
3 12	10 17.25	+19 58.8	1.509	2.449	9.6	20.9	3 12	10 16.97	+30 26.5	1.679	2.576	11.8	20.4
3 22	10 9.31	+20 15.3	1.560	2.442	13.6	21.1	3 22	10 8.86	+30 2.0	1.729	2.562	14.9	20.6
4 1	10 3.98	+20 11.4	1.631	2.434	17.2	21.3	4 1	10 3.38	+29 13.9	1.798	2.549	17.7	20.7
<b>310285</b>	2011 <i>UZ</i> <sub>72</sub>		2 25.8 228°08	1°3/26.8 17			<b>105240</b>	2000 <i>PA</i> <sub>22</sub>		2 25.8 141°80	4°3/22.1 18		
1 22	10 58.33	+ 3 7.2	1.832	2.634	14.9	22.2	1 22	11 0.20	+17 10.1	1.721	2.558	14.2	20.1
2 1	10 53.40	+ 3 32.2	1.736	2.624	11.5	22.0	2 1	10 54.76	+18 20.9	1.657	2.566	10.5	19.9
2 11	10 46.10	+ 4 14.3	1.664	2.612	7.5	21.7	2 11	10 46.84	+19 36.7	1.617	2.574	6.8	19.7
2 21	10 37.04	+ 5 10.0	1.618	2.601	3.1	21.4	2 21	10 37.24	+20 48.7	1.605	2.582	4.3	19.6
3 2	10 27.18	+ 6 13.6	1.601	2.588	2.4	21.4	3 2	10 27.08	+21 48.1	1.621	2.589	6.0	19.7
3 12	10 17.70	+ 7 17.8	1.612	2.575	6.9	21.6	3 12	10 17.65	+22 28.6	1.664	2.595	9.6	19.9
3 22	10 9.67	+ 8 15.7	1.651	2.561	11.3	21.8	3 22	10 9.98	+22 47.6	1.733	2.601	13.2	20.1
4 1	10 3.91	+ 9 2.2	1.713	2.547	15.1	22.0	4 1	10 4.82	+22 45.6	1.822	2.607	16.3	20.4
<b>287211</b>	2002 <i>SY</i> <sub>65</sub>		2 25.8 59°40	2°6/23.7 18			<b>496490</b>	2014 <i>TQ</i> <sub>22</sub>		2 25.8 230°75	1°2/24.7 17		
1 22	10 57.46	+11 44.1	1.448	2.290	16.1	20.1	1 22	10 58.41	+ 9 47.1	1.928	2.747	13.6	21.9
2 1	10 52.84	+12 47.3	1.398	2.311	11.8	19.9	2 1	10 53.36	+10 28.8	1.836	2.736	10.2	21.7
2 11	10 45.66	+14 1.1	1.371	2.332	7.1	19.6	2 11	10 46.02	+11 21.8	1.768	2.725	6.3	21.4
2 21	10 36.82	+15 16.7	1.369	2.354	2.9	19.4	2 21	10 37.02	+12 20.7	1.727	2.713	2.1	21.1
3 2	10 27.55	+16 24.5	1.395	2.375	4.6	19.6	3 2	10 27.28	+13 18.9	1.716	2.700	3.2	21.1
3 12	10 19.21	+17 16.8	1.447	2.397	9.0	19.9	3 12	10 17.94	+14 9.5	1.734	2.687	7.5	21.4
3 22	10 12.81	+17 49.6	1.524	2.419	13.1	20.2	3 22	10 10.01	+14 47.5	1.778	2.673	11.6	21.6
4 1	10 9.02	+18 1.9	1.621	2.441	16.5	20.5	4 1	10 4.28	+15 10.3	1.846	2.659	15.1	21.8
<b>416410</b>	2003 <i>UU</i> <sub>170</sub>		2 25.8 131°73	3°7/22.9 18			<b>35506</b>	1998 <i>FU</i> <sub>43</sub>		2 25.8 80°08	0°4/25.4 18		
1 22	11 1.87	+17 1.2	1.756	2.588	14.1	21.4	1 22	10 56.67	+ 8 13.7	1.859	2.680	14.0	19.4
2 1	10 55.91	+17 43.6	1.690	2.597	10.5	21.2	2 1	10 51.93	+ 8 38.6	1.783	2.683	10.5	19.2
2 11	10 47.49	+18 29.7	1.648	2.605	6.7	21.0	2 11	10 45.04	+ 9 14.6	1.731	2.687	6.5	18.9
2 21	10 37.43	+19 12.3	1.633	2.613	3.8	20.8	2 21	10 36.65	+ 9 57.3	1.705	2.691	2.1	18.6
3 2	10 26.86	+19 44.3	1.647	2.620	5.2	20.9	3 2	10 27.73	+10 40.8	1.708	2.695	2.5	18.7
3 12	10 17.05	+20 0.6	1.689	2.627	8.9	21.1	3 12	10 19.37	+11 19.1	1.739	2.698	6.9	19.0
3 22	10 9.03	+19 59.4	1.756	2.634	12.6	21.4	3 22	10 12.49	+11 47.8	1.797	2.702	10.9	19.2
4 1	10 3.52	+19 41.2	1.845	2.640	15.8	21.6	4 1	10 7.76	+12 4.1	1.878	2.706	14.2	19.4
<b>115813</b>	2003 <i>US</i> <sub>243</sub>		2 25.8 53°71	2°3/27.8 18			<b>38776</b>	2000 <i>RK</i> <sub>11</sub>		2 25.8 186°25	0°5/25.3 18		
1 22	10 54.73	+ 0 53.9	1.946	2.742	14.4	19.3	1 22	10 58.69	+ 7 32.7	2.155	2.961	12.8	20.5
2 1	10 50.34	+ 1 0.3	1.871	2.752	11.2	19.2	2 1	10 53.24	+ 8 16.5	2.068	2.961	9.6	20.3
2 11	10 43.97	+ 1 22.6	1.820	2.762	7.5	18.9	2 11	10 45.78	+ 9 11.9	2.007	2.961	5.9	20.0
2 21	10 36.27	+ 1 58.3	1.794	2.772	3.7	18.7	2 21	10 36.91	+10 14.2	1.974	2.959	1.9	19.8
3 2	10 28.11	+ 2 42.9	1.797	2.783	2.7	18.7	3 2	10 27.47	+11 17.3	1.971	2.957	2.4	19.8
3 12	10 20.47	+ 3 30.7	1.828	2.793	6.0	18.9	3 12	10 18.45	+12 15.1	1.999	2.953	6.5	20.0
3 22	10 14.20	+ 4 16.1	1.886	2.804	9.7	19.2	3 22	10 10.74	+13 2.6	2.054	2.949	10.2	20.3
4 1	10 9.92	+ 4 54.3	1.968	2.815	13.0	19.4	4 1	10 4.99	+13 36.9	2.133	2.944	13.4	20.5
<b>522222</b>	2016 <i>AR</i> <sub>264</sub>												

EPHEMERIDES

2 25.8

2 25.8

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>140269</b>	2001 SR <sub>271</sub>	2 25.8 135°05		0°8/26.7 17			<b>15008</b>	Delahodde	2 25.8 52°68		3°2/23.6 18		
1 22	10 54.64	+ 4 30.2	2.657	3.450	11.0	21.0	1 22	11 0.48	+14 49.5	1.406	2.250	16.4	18.4
2 1	10 49.79	+ 4 48.5	2.576	3.460	8.4	20.8	2 1	10 55.14	+15 28.3	1.358	2.272	12.1	18.2
2 11	10 43.44	+ 5 16.8	2.521	3.469	5.3	20.6	2 11	10 47.09	+16 13.3	1.333	2.294	7.4	18.0
2 21	10 36.09	+ 5 52.3	2.495	3.478	2.1	20.4	2 21	10 37.32	+16 56.3	1.333	2.316	3.5	17.8
3 2	10 28.40	+ 6 31.5	2.499	3.487	1.7	20.4	3 2	10 27.19	+17 29.5	1.360	2.338	5.0	17.9
3 12	10 21.09	+ 7 10.0	2.534	3.495	4.9	20.6	3 12	10 18.10	+17 47.1	1.413	2.361	9.3	18.2
3 22	10 14.78	+ 7 44.4	2.597	3.503	7.9	20.9	3 22	10 11.15	+17 47.1	1.490	2.384	13.4	18.5
4 1	10 9.99	+ 8 11.8	2.686	3.511	10.5	21.0	4 1	10 6.97	+17 29.8	1.587	2.407	16.8	18.8
<b>289853</b>	2005 MZ <sub>5</sub>	2 25.8 204°98		4°4/ 2.1 18			<b>135971</b>	2002 TZ <sub>284</sub>	2 25.8 112°12		0°5/25.4 18		
1 22	10 54.09	- 9 0.5	3.099	3.818	11.2	21.1	1 22	11 1.67	+ 8 56.2	2.101	2.908	13.1	20.9
2 1	10 49.31	- 9 16.2	2.995	3.812	9.3	20.9	2 1	10 55.24	+ 9 18.5	2.039	2.932	9.8	20.7
2 11	10 43.15	- 9 17.4	2.914	3.807	7.2	20.8	2 11	10 46.85	+ 9 49.4	2.001	2.955	5.9	20.5
2 21	10 36.01	- 9 4.2	2.860	3.801	5.3	20.6	2 21	10 37.22	+10 24.5	1.992	2.977	1.9	20.3
3 2	10 28.46	- 8 37.7	2.835	3.795	4.4	20.5	3 2	10 27.27	+10 58.8	2.013	2.999	2.4	20.4
3 12	10 21.13	- 8 0.8	2.841	3.788	5.2	20.6	3 12	10 17.99	+11 27.6	2.064	3.020	6.3	20.7
3 22	10 14.60	- 7 17.2	2.875	3.780	7.2	20.7	3 22	10 10.21	+11 47.7	2.144	3.040	9.8	20.9
4 1	10 9.38	- 6 31.3	2.935	3.773	9.4	20.8	4 1	10 4.50	+11 57.3	2.247	3.059	12.8	21.1
<b>333107</b>	2011 US <sub>353</sub>	2 25.8 238°39		0°3/25.5 18			<b>464731</b>	2002 UQ <sub>44</sub>	2 25.8 102°10		5°5/19.3 18		
1 22	10 59.57	+ 7 48.8	1.714	2.532	15.1	21.7	1 22	10 57.78	+26 16.8	2.503	3.333	10.5	21.4
2 1	10 54.49	+ 8 13.5	1.623	2.522	11.4	21.5	2 1	10 52.25	+27 29.0	2.457	3.354	8.1	21.2
2 11	10 46.86	+ 8 51.6	1.555	2.511	7.1	21.2	2 11	10 44.98	+28 37.1	2.438	3.375	6.2	21.2
2 21	10 37.33	+ 9 38.3	1.514	2.500	2.3	20.8	2 21	10 36.60	+29 34.5	2.447	3.395	5.5	21.1
3 2	10 26.98	+10 27.2	1.501	2.488	2.8	20.9	3 2	10 27.93	+30 15.8	2.485	3.415	6.7	21.2
3 12	10 17.07	+11 11.1	1.516	2.475	7.7	21.1	3 12	10 19.87	+30 38.1	2.551	3.435	8.8	21.4
3 22	10 8.77	+11 44.7	1.558	2.463	12.2	21.4	3 22	10 13.11	+30 41.0	2.641	3.454	10.9	21.6
4 1	10 2.94	+12 4.4	1.621	2.449	16.1	21.6	4 1	10 8.19	+30 26.1	2.754	3.473	12.9	21.8
<b>506221</b>	2016 JK <sub>31</sub>	2 25.8 264°78		4°4/21.0 17			<b>417824</b>	2007 FU <sub>29</sub>	2 25.8 252°05		3°8/22.6 17		
1 22	10 56.17	+19 36.3	2.190	3.025	11.6	21.8	1 22	11 0.91	+18 59.2	2.077	2.905	12.4	20.8
2 1	10 51.56	+20 47.8	2.099	3.006	8.8	21.6	2 1	10 55.10	+19 31.9	1.989	2.893	9.4	20.6
2 11	10 44.87	+22 3.1	2.033	2.987	5.9	21.4	2 11	10 47.03	+20 6.5	1.926	2.880	6.1	20.4
2 21	10 36.65	+23 15.2	1.996	2.967	4.4	21.3	2 21	10 37.36	+20 36.7	1.891	2.867	3.8	20.2
3 2	10 27.74	+24 16.5	1.988	2.947	6.0	21.3	3 2	10 27.04	+20 56.6	1.885	2.854	5.2	20.3
3 12	10 19.15	+25 1.1	2.009	2.926	9.0	21.5	3 12	10 17.20	+21 1.9	1.908	2.841	8.5	20.5
3 22	10 11.82	+25 26.0	2.054	2.906	12.2	21.6	3 22	10 8.83	+20 50.8	1.958	2.827	11.9	20.6
4 1	10 6.48	+25 30.6	2.121	2.885	15.0	21.8	4 1	10 2.66	+20 23.8	2.029	2.813	14.9	20.8
<b>175573</b>	2006 TK <sub>50</sub>	2 25.8 154°67		1°3/24.1 17			<b>456308</b>	2006 SH <sub>188</sub>	2 25.8 277°86		0°5/25.4 17		
1 22	10 53.33	+11 33.1	2.937	3.751	9.6	21.5	1 22	10 56.37	+ 7 28.3	1.681	2.505	15.0	21.8
2 1	10 48.73	+12 18.5	2.858	3.757	7.1	21.4	2 1	10 52.20	+ 8 4.5	1.585	2.488	11.4	21.5
2 11	10 42.75	+13 9.7	2.807	3.764	4.3	21.2	2 11	10 45.52	+ 8 55.9	1.513	2.470	7.1	21.2
2 21	10 35.86	+14 2.7	2.785	3.770	1.6	21.0	2 21	10 36.93	+ 9 57.6	1.467	2.453	2.3	20.8
3 2	10 28.66	+14 53.3	2.795	3.776	2.5	21.1	3 2	10 27.46	+11 2.4	1.448	2.435	2.9	20.8
3 12	10 21.78	+15 37.4	2.835	3.781	5.3	21.3	3 12	10 18.34	+12 2.1	1.457	2.417	7.9	21.1
3 22	10 15.81	+16 12.3	2.903	3.786	8.0	21.5	3 22	10 10.76	+12 50.1	1.492	2.399	12.5	21.3
4 1	10 11.20	+16 36.1	2.996	3.790	10.3	21.6	4 1	10 5.60	+13 22.2	1.548	2.380	16.6	21.5
<b>88787</b>	2001 SS <sub>108</sub>	2 25.8 121°00		5°4/20.8 18			<b>57903</b>	2002 EX <sub>16</sub>	2 25.8 266°26		3°8/22.2 18		
1 22	11 3.29	+24 46.3	2.227	3.052	11.8	19.4	1 22	10 56.44	+14 2.6	1.683	2.523	14.3	18.9
2 1	10 56.46	+25 39.3	2.174	3.071	9.0	19.2	2 1	10 52.34	+15 30.5	1.592	2.504	10.7	18.7
2 11	10 47.59	+26 28.6	2.147	3.089	6.5	19.1	2 11	10 45.65	+17 11.2	1.525	2.485	6.7	18.4
2 21	10 37.44	+27 7.2	2.148	3.107	5.4	19.1	2 21	10 36.99	+18 55.7	1.485	2.465	3.9	18.2
3 2	10 27.00	+27 29.7	2.179	3.124	6.6	19.2	3 2	10 27.38	+20 33.1	1.473	2.445	5.9	18.2
3 12	10 17.31	+27 33.3	2.238	3.140	9.0	19.3	3 12	10 18.12	+21 53.4	1.489	2.425	10.1	18.4
3 22	10 9.22	+27 18.0	2.323	3.156	11.6	19.5	3 22	10 10.42	+22 50.4	1.530	2.404	14.3	18.6
4 1	10 3.30	+26 45.9	2.430	3.171	13.9	19.7	4 1	10 5.23	+23 21.9	1.590	2.383	18.0	18.8
<b>275267</b>	2010 AR <sub>17</sub>	2 25.8 354°08		3°1/22.8 18			<b>156594</b>	2002 GT <sub>66</sub>	2 25.8 99°23		4°5/21.6 18		
1 22	10 54.96	+14 54.8	1.883	2.721	13.1	20.3	1 22	10 59.60	+20 48.8	2.048	2.882	12.4	19.6
2 1	10 50.72	+15 52.5	1.809	2.720	9.7	20.1	2 1	10 53.89	+21 41.5	1.991	2.897	9.3	19.4
2 11	10 44.33	+16 56.9	1.760	2.720	6.0	19.9	2 11	10 46.11	+22 33.9	1.960	2.912	6.2	19.3
2 21	10 36.45	+18 1.2	1.738	2.719	3.2	19.7	2 21	10 37.00	+23 19.3	1.956	2.926	4.5	19.2
3 2	10 28.02	+18 58.0	1.744	2.719	4.7	19.8	3 2	10 27.53	+23 51.4	1.981	2.940	5.9	19.3
3 12	10 20.11	+19 40.9	1.778	2.718	8.4	20.0	3 12	10 18.76	+24 6.4	2.034	2.955	8.7	19.5
3 22	10 13.66	+20 6.5	1.837	2.718	11.9	20.2	3 22	10 11.54	+24 3.3	2.112	2.968	11.7	19.7
4 1	10 9.35	+20 13.7	1.918	2.718	15.0	20.4	4 1	10 6.48	+23 43.2	2.212	2.982	14.3	19.9
<b>341431</b>	2007 TC <sub>229</sub>	2 25.8 53°67		5°2/20.9 18			<b>254783</b>	2005 QX <sub>60</sub>	2 25.8 307°30		3°5/28.2 18		
1 22	10 58.02	+23 12.8	2.048	2.886	12.2	20.3	1 22	10 55.89	- 0 7.7	1.606	2.408	16.7	20.4
2 1	10 52.76	+24 3.2	1.991	2.896	9.3	20.1	2 1	10 51.90	- 0 21.7	1.512	2.394	13.2	20.2
2 11	10 45.43	+24 51.5	1.958	2.907	6.5	20.0	2 11	10 45.36	- 0 16.8	1.439	2.380	9.2	19.9
2 21	10 36.77	+25 30.7	1.953	2.917	5.2	19.9	2 21	10 36.89	+ 0 6.0	1.391	2.366	5.1	19.6
3 2	10 27.73	+25 55.1	1.976	2.928	6.5	20.0	3 2	10 27.52	+ 0 43.3	1.369	2.353	3.7	19.5
3 12	10 19.38	+26 1.0	2.026	2.939	9.2	20.2	3 12	10 18.54	+ 1 28.8	1.374	2.340	7.4	19.7
3 22	10 12.57	+25 47.9	2.101	2.951	12.0	20.4	3 22	10 11.13	+ 2 15.4	1.404	2.327	11.9	19.9
4 1	10 7.89	+25 17.5	2.197	2.962	14.5	20.6	4 1	10 6.20	+ 2 56.3	1.456	2.315	16.0	20.1
<b>494657</b>	2000 TP <sub>40</sub>	2 25.8 106°46		4°5/21.3 18			<b>298835</b>	2004 RM <sub>178</sub>	2 25.8 184°67		2°6/28.0 18		
1 22	11 0.81	+21 34.4											

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>79909</b>	1999 <i>BY</i> <sub>29</sub>	2 25.8 301°84		2°0/23.7 18			<b>508682</b>	2017 <i>UV</i> <sub>15</sub>	2 25.8 164°22		1°7/23.7 17		
1 22	10 52.74	+11 27.1	2.124	2.953	12.2	19.8	1 22	10 54.60	+13 50.6	2.966	3.783	9.4	22.0
2 1	10 48.88	+12 30.1	2.042	2.949	9.0	19.6	2 1	10 49.67	+14 26.4	2.887	3.787	6.9	21.8
2 11	10 43.14	+13 42.7	1.985	2.944	5.5	19.4	2 11	10 43.36	+15 6.3	2.835	3.791	4.2	21.6
2 21	10 36.07	+14 59.0	1.956	2.940	2.2	19.2	2 21	10 36.11	+15 46.3	2.812	3.795	1.9	21.5
3 2	10 28.48	+16 12.0	1.956	2.936	3.6	19.2	3 2	10 28.54	+16 22.7	2.821	3.799	2.8	21.5
3 12	10 21.29	+17 15.1	1.985	2.932	7.2	19.5	3 12	10 21.31	+16 51.9	2.859	3.802	5.5	21.7
3 22	10 15.30	+18 3.9	2.041	2.928	10.7	19.7	3 22	10 15.01	+17 11.5	2.926	3.804	8.1	21.9
4 1	10 11.16	+18 35.9	2.119	2.924	13.7	19.8	4 1	10 10.11	+17 20.6	3.018	3.806	10.4	22.1
<b>502252</b>	2015 <i>BM</i> <sub>103</sub>	2 25.8 229°02		1°0/24.7 17			<b>346869</b>	2009 <i>FT</i> <sub>24</sub>	2 25.8 337°89		0°8/25.0 17		
1 22	10 52.70	+ 7 53.7	2.130	2.950	12.5	21.5	1 22	10 51.68	+ 8 7.6	2.052	2.877	12.7	20.4
2 1	10 48.82	+ 8 58.2	2.048	2.949	9.3	21.3	2 1	10 48.14	+ 8 55.0	1.968	2.871	9.5	20.2
2 11	10 43.08	+10 15.4	1.990	2.948	5.6	21.1	2 11	10 42.72	+ 9 54.5	1.907	2.865	5.8	19.9
2 21	10 36.05	+11 39.5	1.961	2.946	1.8	20.8	2 21	10 35.96	+11 1.1	1.874	2.860	1.8	19.7
3 2	10 28.51	+13 3.6	1.961	2.945	2.8	20.9	3 2	10 28.68	+12 8.3	1.870	2.855	2.6	19.7
3 12	10 21.37	+14 20.6	1.991	2.944	6.6	21.1	3 12	10 21.78	+13 9.8	1.894	2.851	6.6	20.0
3 22	10 15.41	+15 25.1	2.047	2.942	10.2	21.4	3 22	10 16.10	+14 0.1	1.945	2.847	10.3	20.2
4 1	10 11.27	+16 13.6	2.127	2.941	13.3	21.6	4 1	10 12.27	+14 36.1	2.019	2.843	13.5	20.4
<b>499790</b>	2011 <i>CF</i> <sub>56</sub>	2 25.8 283°81		0°4/26.1 17			<b>218706</b>	2005 <i>UT</i> <sub>2</sub>	2 25.8 102°62		2°0/24.5 18		
1 22	10 56.04	+ 6 10.8	1.873	2.688	14.1	21.5	1 22	11 9.54	+15 55.3	2.059	2.867	13.3	20.2
2 1	10 51.57	+ 6 29.1	1.786	2.682	10.7	21.3	2 1	11 1.10	+15 48.6	1.993	2.887	9.9	20.0
2 11	10 44.91	+ 7 0.5	1.723	2.676	6.8	21.0	2 11	10 50.46	+15 43.1	1.954	2.908	6.1	19.8
2 21	10 36.68	+ 7 41.1	1.686	2.671	2.4	20.7	2 21	10 38.44	+15 34.9	1.944	2.927	2.5	19.7
3 2	10 27.82	+ 8 25.5	1.677	2.665	2.3	20.7	3 2	10 26.14	+15 20.2	1.966	2.947	3.5	19.7
3 12	10 19.40	+ 9 7.8	1.697	2.659	6.7	21.0	3 12	10 14.74	+14 56.8	2.019	2.965	7.1	20.0
3 22	10 12.39	+ 9 42.6	1.743	2.653	10.8	21.2	3 22	10 5.13	+14 24.4	2.101	2.984	10.6	20.3
4 1	10 7.53	+10 6.4	1.812	2.647	14.4	21.4	4 1	9 57.93	+13 43.6	2.207	3.002	13.5	20.5
<b>164815</b>	1999 <i>ND</i> <sub>62</sub>	2 25.8 308°28		10°0/ 3.1 18			<b>239895</b>	2000 <i>SF</i> <sub>32</sub>	2 25.8 160°33		1°7/23.8 18		
1 22	10 55.88	-12 9.7	1.466	2.219	20.2	19.4	1 22	10 54.65	+13 30.5	2.842	3.660	9.8	20.9
2 1	10 52.30	-13 21.7	1.370	2.202	17.5	19.1	2 1	10 49.77	+14 7.6	2.764	3.665	7.2	20.8
2 11	10 45.86	-14 7.3	1.293	2.185	14.4	18.9	2 11	10 43.45	+14 49.3	2.712	3.669	4.4	20.6
2 21	10 37.14	-14 21.5	1.236	2.169	11.5	18.6	2 21	10 36.16	+15 31.4	2.690	3.673	1.9	20.4
3 2	10 27.22	-14 1.8	1.202	2.153	10.0	18.5	3 2	10 28.53	+16 9.9	2.698	3.677	2.9	20.5
3 12	10 17.58	-13 11.8	1.192	2.137	11.0	18.5	3 12	10 21.26	+16 41.0	2.737	3.681	5.6	20.7
3 22	10 9.62	-11 59.7	1.204	2.122	14.0	18.6	3 22	10 14.96	+17 2.3	2.804	3.684	8.4	20.8
4 1	10 4.47	-10 37.0	1.238	2.107	17.6	18.8	4 1	10 10.10	+17 12.5	2.896	3.686	10.7	21.0
<b>457408</b>	2008 <i>TR</i> <sub>130</sub>	2 25.8 63°41		5°4/ 1.1 18			<b>413513</b>	2005 <i>RR</i> <sub>47</sub>	2 25.8 48°40		3°1/23.4 18		
1 22	10 57.11	- 6 6.8	1.325	2.115	20.2	21.4	1 22	10 57.13	+14 0.4	1.529	2.373	15.3	21.0
2 1	10 52.85	- 6 6.6	1.266	2.134	16.3	21.2	2 1	10 52.59	+14 53.2	1.475	2.388	11.3	20.8
2 11	10 45.85	- 5 36.4	1.226	2.154	11.8	21.0	2 11	10 45.56	+15 53.5	1.443	2.404	6.9	20.6
2 21	10 36.99	- 4 38.3	1.208	2.174	7.5	20.8	2 21	10 36.90	+16 53.4	1.437	2.420	3.3	20.4
3 2	10 27.58	- 3 18.4	1.216	2.195	5.5	20.8	3 2	10 27.78	+17 44.4	1.459	2.437	4.9	20.6
3 12	10 19.05	- 1 47.2	1.249	2.215	8.1	21.0	3 12	10 19.51	+18 20.1	1.507	2.454	9.0	20.8
3 22	10 12.55	- 0 16.0	1.308	2.235	12.2	21.3	3 22	10 13.09	+18 37.2	1.579	2.471	12.9	21.1
4 1	10 8.82	+ 1 5.7	1.388	2.256	16.1	21.5	4 1	10 9.19	+18 35.4	1.673	2.489	16.3	21.4
<b>462614</b>	2009 <i>OX</i> <sub>7</sub>	2 25.8 153°49		6°3/ 4.3 18			<b>12577</b>	<i>Samra</i>	2 25.8 195°38		1°3/26.9 18		
1 22	10 55.84	-14 51.4	2.559	3.248	14.0	21.6	1 22	10 56.54	+ 3 37.2	2.200	2.996	12.9	19.4
2 1	10 50.86	-15 1.6	2.469	3.258	11.9	21.5	2 1	10 51.62	+ 3 48.7	2.111	2.995	9.9	19.1
2 11	10 44.21	-14 50.6	2.400	3.267	9.7	21.3	2 11	10 44.80	+ 4 12.8	2.046	2.993	6.4	18.9
2 21	10 36.41	-14 17.8	2.356	3.275	7.6	21.2	2 21	10 36.65	+ 4 46.8	2.009	2.991	2.7	18.7
3 2	10 28.17	-13 24.7	2.340	3.282	6.3	21.1	3 2	10 27.98	+ 5 26.6	2.001	2.989	2.1	18.6
3 12	10 20.30	-12 15.5	2.352	3.289	6.8	21.2	3 12	10 19.71	+ 6 7.1	2.023	2.986	5.7	18.9
3 22	10 13.51	-10 56.4	2.393	3.295	8.6	21.3	3 22	10 12.65	+ 6 43.8	2.073	2.983	9.4	19.1
4 1	10 8.35	- 9 33.8	2.459	3.301	10.9	21.4	4 1	10 7.44	+ 7 12.9	2.147	2.980	12.5	19.3
<b>142878</b>	2002 <i>VQ</i> <sub>37</sub>	2 25.8 86°26		2°2/27.9 18			<b>307292</b>	2002 <i>PM</i> <sub>167</sub>	2 25.8 166°89		0°4/26.1 17		
1 22	10 54.75	- 1 11.1	1.732	2.528	15.9	19.9	1 22	10 58.03	+ 7 19.7	2.287	3.092	12.2	21.0
2 1	10 50.58	- 0 24.8	1.662	2.542	12.4	19.7	2 1	10 52.61	+ 7 22.9	2.203	3.093	9.3	20.8
2 11	10 44.25	+ 0 43.5	1.614	2.557	8.3	19.5	2 11	10 45.35	+ 7 35.0	2.143	3.095	5.8	20.6
2 21	10 36.45	+ 2 9.2	1.592	2.571	4.0	19.2	2 21	10 36.83	+ 7 52.9	2.112	3.096	2.0	20.3
3 2	10 28.15	+ 3 45.0	1.599	2.585	2.6	19.2	3 2	10 27.84	+ 8 13.0	2.110	3.097	1.9	20.3
3 12	10 20.47	+ 5 21.7	1.634	2.599	6.5	19.4	3 12	10 19.29	+ 8 31.3	2.139	3.098	5.7	20.6
3 22	10 14.31	+ 6 50.9	1.696	2.613	10.6	19.7	3 22	10 11.97	+ 8 44.5	2.195	3.099	9.2	20.8
4 1	10 10.33	+ 8 6.2	1.781	2.627	14.1	20.0	4 1	10 6.47	+ 8 50.3	2.276	3.100	12.2	21.0
<b>444389</b>	2005 <i>YA</i> <sub>180</sub>	2 25.8 45°42		0°4/25.5 18			<b>326389</b>	2001 <i>QC</i> <sub>117</sub>	2 25.8 128°09		0°7/26.4 18		
1 22	11 0.17	+ 7 50.5	1.063	1.911	20.2	21.4	1 22	11 2.77	+ 6 36.8	2.205	2.999	13.0	21.2
2 1	10 55.44	+ 8 13.1	1.022	1.936	15.1	21.2	2 1	10 56.08	+ 6 32.4	2.131	3.015	9.8	21.0
2 11	10 47.49	+ 8 52.8	1.001	1.962	9.2	21.0	2 11	10 47.42	+ 6 37.2	2.081	3.030	6.2	20.8
2 21	10 37.50	+ 9 41.9	1.002	1.988	2.9	20.7	2 21	10 37.48	+ 6 48.2	2.061	3.045	2.3	20.5
3 2	10 27.12	+10 30.5	1.028	2.016	3.4	20.8	3 2	10 27.16	+ 7 2.1	2.071	3.059	2.0	20.5
3 12	10 18.07	+11 9.8	1.079	2.043	9.2	21.2	3 12	10 17.43	+ 7 15.0	2.113	3.072	5.8	20.8
3 22	10 11.58	+11 34.2	1.152	2.071	14.3	21.6	3 22	10 9.12	+ 7 23.8	2.182	3.085	9.3	21.1
4 1	10 8.32	+11 41.4	1.244	2.100	18.4	21.9	4 1	10 2.82	+ 7 26.2	2.277	3.097	12.3	21.3
<b>303285</b>	2004 <i>RG</i> <sub>311</sub>	2 25.8 62°61		8°2/ 5.3 18			<b>91398</b>	1999 <i>LV</i> <sub>33</sub>	2 25.8 193°84		5°2/19.7 18		
1 22	10 53.87	-16 53.0	1.42										





EPHEMERIDES

2 25.8

2 25.8

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>56153</b>	1999 <i>CT</i> <sub>114</sub>		2 25.8 185°86	1.7°/27.5	17		<b>28593</b>	2000 <i>EZ</i> <sub>133</sub>		2 25.8 247°18	2.3°/23.2	17	
1 22	10 57.38	+ 1 54.3	2.231	3.018	13.1	19.7	1 22	10 53.40	+12 39.3	2.241	3.069	11.6	19.0
2 1	10 52.24	+ 2 6.1	2.141	3.018	10.1	19.5	2 1	10 49.34	+13 45.7	2.157	3.063	8.6	18.8
2 11	10 45.21	+ 2 31.7	2.076	3.018	6.7	19.3	2 11	10 43.46	+15 0.6	2.099	3.058	5.3	18.6
2 21	10 36.85	+ 3 8.6	2.037	3.017	3.1	19.1	2 21	10 36.29	+16 17.9	2.070	3.053	2.5	18.4
3 2	10 27.96	+ 3 52.8	2.029	3.015	2.3	19.0	3 2	10 28.60	+17 30.9	2.070	3.047	3.8	18.5
3 12	10 19.46	+ 4 39.2	2.050	3.013	5.7	19.2	3 12	10 21.28	+18 33.3	2.100	3.041	7.2	18.7
3 22	10 12.16	+ 5 22.9	2.100	3.011	9.2	19.4	3 22	10 15.11	+19 21.0	2.156	3.036	10.5	18.8
4 1	10 6.71	+ 5 59.6	2.174	3.007	12.4	19.6	4 1	10 10.72	+19 51.8	2.235	3.030	13.4	19.0
<b>247281</b>	2001 <i>SR</i> <sub>155</sub>		2 25.8 63°81	5.3°/ 3.1	18		<b>459751</b>	2013 <i>QO</i> <sub>37</sub>		2 25.8 161°99	0.3°/25.6	16	
1 22	10 52.33	-10 53.8	2.207	2.941	14.8	19.9	1 22	10 55.33	+ 6 28.8	2.068	2.880	13.1	21.9
2 1	10 48.41	-10 42.3	2.133	2.959	12.3	19.7	2 1	10 50.83	+ 7 16.5	1.988	2.883	9.8	21.7
2 11	10 42.78	-10 8.1	2.079	2.977	9.4	19.6	2 11	10 44.39	+ 8 17.2	1.932	2.886	6.1	21.5
2 21	10 36.02	- 9 12.2	2.051	2.996	6.7	19.4	2 21	10 36.60	+ 9 26.0	1.903	2.889	2.0	21.2
3 2	10 28.88	- 7 58.2	2.050	3.014	5.3	19.4	3 2	10 28.29	+10 36.5	1.905	2.891	2.3	21.3
3 12	10 22.22	- 6 32.2	2.077	3.032	6.2	19.5	3 12	10 20.44	+11 42.0	1.936	2.893	6.4	21.5
3 22	10 16.74	- 5 1.5	2.133	3.051	8.7	19.7	3 22	10 13.86	+12 37.3	1.993	2.895	10.1	21.8
4 1	10 12.98	- 3 33.2	2.214	3.069	11.4	19.9	4 1	10 9.21	+13 18.8	2.075	2.896	13.3	22.0
<b>435357</b>	2007 <i>VG</i> <sub>231</sub>		2 25.8 19°47	4.9°/ 1.8	17		<b>147882</b>	2006 <i>QN</i> <sub>166</sub>		2 25.8 155°39	3.0°/29.5	18	
1 22	10 53.14	- 7 24.0	2.174	2.927	14.4	20.8	1 22	10 52.95	- 3 57.7	2.747	3.504	11.6	20.8
2 1	10 49.14	- 7 35.9	2.087	2.929	11.9	20.7	2 1	10 48.60	- 3 45.9	2.657	3.509	9.3	20.7
2 11	10 43.32	- 7 28.3	2.020	2.931	9.0	20.5	2 11	10 42.82	- 3 19.3	2.591	3.514	6.6	20.5
2 21	10 36.23	- 7 1.4	1.979	2.933	6.2	20.3	2 21	10 36.04	- 2 39.5	2.552	3.518	4.1	20.3
3 2	10 28.63	- 6 17.6	1.965	2.935	4.9	20.2	3 2	10 28.90	- 1 49.4	2.543	3.522	3.0	20.3
3 12	10 21.40	- 5 21.9	1.980	2.937	6.3	20.3	3 12	10 22.07	- 0 53.3	2.565	3.526	4.8	20.4
3 22	10 15.34	- 4 20.1	2.021	2.940	9.1	20.5	3 22	10 16.15	+ 0 4.1	2.615	3.529	7.5	20.6
4 1	10 11.07	- 3 18.8	2.087	2.942	12.0	20.7	4 1	10 11.66	+ 0 58.5	2.691	3.532	10.0	20.7
<b>522603</b>	2016 <i>EA</i> <sub>249</sub>		2 25.8 308°13	3°0/28.6	17		<b>12502</b>	1998 <i>FO</i> <sub>68</sub>		2 25.8 238°79	0°2/25.9	18	
1 22	10 53.29	- 1 38.8	1.844	2.636	15.2	21.4	1 22	10 58.81	+ 6 21.6	1.969	2.777	13.8	19.1
2 1	10 49.61	- 1 24.4	1.752	2.628	12.1	21.1	2 1	10 53.71	+ 6 46.6	1.871	2.763	10.5	18.8
2 11	10 43.80	- 0 49.8	1.682	2.620	8.4	20.9	2 11	10 46.35	+ 7 24.7	1.796	2.748	6.6	18.6
2 21	10 36.43	+ 0 2.9	1.638	2.612	4.6	20.7	2 21	10 37.31	+ 8 12.0	1.748	2.733	2.3	18.3
3 2	10 28.39	+ 1 9.2	1.621	2.605	3.2	20.5	3 2	10 27.49	+ 9 3.2	1.730	2.717	2.3	18.2
3 12	10 20.73	+ 2 21.9	1.631	2.598	6.5	20.7	3 12	10 18.01	+ 9 51.8	1.741	2.700	6.8	18.5
3 22	10 14.41	+ 3 33.5	1.669	2.591	10.4	20.9	3 22	10 9.88	+10 32.5	1.779	2.683	11.0	18.7
4 1	10 10.17	+ 4 37.3	1.730	2.584	14.1	21.2	4 1	10 3.88	+11 1.4	1.840	2.665	14.6	18.9
<b>94472</b>	2001 <i>TD</i> <sub>183</sub>		2 25.8 37°44	3°1/27.8	18		<b>180728</b>	2004 <i>JM</i> <sub>27</sub>		2 25.8 203°74	2°6/22.6	17	
1 22	10 58.46	+ 1 26.8	1.263	2.084	19.3	19.3	1 22	10 54.55	+17 2.7	2.933	3.756	9.3	20.8
2 1	10 54.14	+ 1 12.2	1.197	2.091	15.1	19.0	2 1	10 49.77	+17 47.2	2.849	3.752	6.9	20.7
2 11	10 46.85	+ 1 19.0	1.151	2.099	10.1	18.8	2 11	10 43.52	+18 34.3	2.792	3.747	4.4	20.5
2 21	10 37.46	+ 1 44.7	1.128	2.108	5.1	18.5	2 21	10 36.28	+19 19.8	2.765	3.742	2.6	20.4
3 2	10 27.34	+ 2 24.0	1.131	2.117	3.7	18.4	3 2	10 28.66	+19 59.3	2.768	3.737	3.7	20.4
3 12	10 18.06	+ 3 8.7	1.159	2.127	8.2	18.7	3 12	10 21.35	+20 29.0	2.801	3.732	6.2	20.6
3 22	10 10.91	+ 3 50.7	1.210	2.137	13.1	19.0	3 22	10 14.97	+20 47.0	2.862	3.726	8.7	20.7
4 1	10 6.74	+ 4 23.6	1.282	2.147	17.3	19.3	4 1	10 10.02	+20 52.4	2.947	3.720	11.0	20.9
<b>201398</b>	2002 <i>VH</i> <sub>71</sub>		2 25.8 112°60	1°6/23.9	18		<b>273291</b>	2006 <i>SJ</i> <sub>16</sub>		2 25.8 238°54	2°1/28.1	17	
1 22	10 55.35	+12 11.1	2.433	3.253	11.1	21.1	1 22	10 53.18	+ 0 1.4	2.459	3.241	12.1	21.5
2 1	10 50.49	+12 56.4	2.365	3.267	8.2	20.9	2 1	10 48.99	+ 0 15.9	2.364	3.236	9.5	21.3
2 11	10 43.98	+13 47.9	2.323	3.280	5.0	20.7	2 11	10 43.17	+ 0 44.5	2.293	3.231	6.5	21.1
2 21	10 36.41	+14 40.7	2.309	3.294	2.0	20.5	2 21	10 36.19	+ 1 25.2	2.249	3.225	3.3	20.9
3 2	10 28.49	+15 29.7	2.327	3.307	3.0	20.6	3 2	10 28.74	+ 2 14.3	2.235	3.220	2.3	20.8
3 12	10 21.04	+16 10.4	2.373	3.320	6.2	20.9	3 12	10 21.60	+ 3 7.0	2.251	3.214	5.1	21.0
3 22	10 14.74	+16 39.7	2.448	3.332	9.2	21.1	3 22	10 15.46	+ 3 58.6	2.294	3.209	8.4	21.2
4 1	10 10.11	+16 56.2	2.546	3.344	11.8	21.3	4 1	10 10.90	+ 4 44.5	2.363	3.203	11.3	21.4
<b>208252</b>	2000 <i>VM</i> <sub>7</sub>		2 25.8 121°76	1°2/24.8	18		<b>423240</b>	2004 <i>TT</i> <sub>62</sub>		2 25.8 130°79	2°6/23.4	18	
1 22	11 0.50	+ 9 35.7	1.785	2.605	14.5	21.6	1 22	10 59.29	+15 41.1	2.230	3.054	11.9	21.9
2 1	10 54.84	+10 17.0	1.720	2.620	10.8	21.3	2 1	10 53.58	+16 17.4	2.162	3.065	8.8	21.7
2 11	10 46.88	+11 8.9	1.679	2.636	6.6	21.1	2 11	10 45.96	+16 57.3	2.119	3.075	5.4	21.5
2 21	10 37.40	+12 5.4	1.664	2.650	2.2	20.9	2 21	10 37.09	+17 35.6	2.104	3.085	2.8	21.4
3 2	10 27.45	+12 59.6	1.680	2.664	3.1	21.0	3 2	10 27.84	+18 6.9	2.120	3.095	3.9	21.4
3 12	10 18.20	+13 44.9	1.723	2.677	7.4	21.3	3 12	10 19.16	+18 27.1	2.165	3.105	7.1	21.7
3 22	10 10.62	+14 17.1	1.793	2.690	11.4	21.5	3 22	10 11.83	+18 34.1	2.237	3.114	10.3	21.9
4 1	10 5.38	+14 34.2	1.886	2.702	14.7	21.8	4 1	10 6.45	+18 27.6	2.332	3.122	13.0	22.1
<b>54702</b>	2001 <i>FO</i> <sub>159</sub>		2 25.8 196°86	0°1/25.9	18		<b>89046</b>	2001 <i>TK</i> <sub>115</sub>		2 25.8 96°02	0°6/25.4	18	
1 22	11 0.23	+ 5 56.5	1.790	2.599	14.9	20.2	1 22	11 0.71	+ 8 19.9	1.486	2.313	16.6	19.5
2 1	10 54.87	+ 6 32.8	1.703	2.597	11.3	19.9	2 1	10 55.41	+ 8 48.2	1.422	2.325	12.4	19.2
2 11	10 47.08	+ 7 24.4	1.640	2.593	7.1	19.7	2 11	10 47.43	+ 9 29.9	1.380	2.338	7.6	19.0
2 21	10 37.53	+ 8 26.2	1.604	2.589	2.4	19.4	2 21	10 37.64	+10 19.0	1.364	2.350	2.4	18.7
3 2	10 27.24	+ 9 31.5	1.597	2.584	2.5	19.4	3 2	10 27.28	+11 8.0	1.376	2.362	3.0	18.8
3 12	10 17.44	+10 32.8	1.619	2.578	7.3	19.6	3 12	10 17.75	+11 49.4	1.415	2.374	8.1	19.1
3 22	10 9.21	+11 23.7	1.668	2.572	11.6	19.9	3 22	10 10.17	+12 18.2	1.479	2.386	12.6	19.4
4 1	10 3.34	+12 0.4	1.739	2.564	15.4	20.1	4 1	10 5.30	+12 31.8	1.564	2.398	16.4	19.7
<b>278207</b>	2007 <i>EN</i> <sub>36</sub>		2 25.8 358°81	3°8/23.2	18		<b>192723</b>	1999 <i>TS</i> <sub>149</sub>					

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>426955</b>	2013 YL <sub>26</sub>		2 25.8 333°35	3°2/22.6	17		<b>188662</b>	2005 SW <sub>103</sub>		2 25.8 92°49	6°3/3.4	18	
1 22	10 53.78	+15 45.4	2.048	2.885	12.2	20.5	1 22	10 55.55	-11 49.1	1.972	2.702	16.4	20.0
2 1	10 49.79	+16 41.4	1.969	2.880	9.1	20.3	2 1	10 51.05	-11 55.3	1.898	2.719	13.7	19.9
2 11	10 43.80	+17 43.1	1.916	2.875	5.7	20.1	2 11	10 44.54	-11 36.4	1.843	2.736	10.7	19.7
2 21	10 36.43	+18 44.1	1.890	2.870	3.3	19.9	2 21	10 36.68	-10 52.6	1.813	2.752	7.9	19.5
3 2	10 28.53	+19 37.6	1.893	2.866	4.7	20.0	3 2	10 28.36	-9 46.7	1.809	2.768	6.3	19.5
3 12	10 21.07	+20 18.0	1.924	2.861	8.0	20.2	3 12	10 20.57	-8 25.2	1.833	2.784	7.3	19.6
3 22	10 14.91	+20 41.9	1.980	2.857	11.4	20.4	3 22	10 14.16	-6 56.2	1.884	2.800	9.8	19.7
4 1	10 10.71	+20 48.3	2.058	2.854	14.3	20.6	4 1	10 9.76	-5 27.9	1.959	2.815	12.6	20.0
<b>188751</b>	2005 UV <sub>230</sub>		2 25.8 209°59	1°1/26.9	17		<b>285363</b>	1999 TU <sub>55</sub>		2 25.8 107°73	1°2/24.8	17	
1 22	10 56.30	+3 24.4	2.106	2.904	13.4	21.2	1 22	10 56.80	+10 27.4	2.025	2.847	13.0	21.4
2 1	10 51.59	+3 46.8	2.015	2.900	10.3	21.0	2 1	10 51.94	+10 59.5	1.951	2.853	9.6	21.2
2 11	10 44.91	+4 23.3	1.948	2.896	6.6	20.8	2 11	10 45.08	+11 40.4	1.901	2.858	5.9	20.9
2 21	10 36.81	+5 10.8	1.909	2.891	2.7	20.5	2 21	10 36.86	+12 25.0	1.879	2.864	2.0	20.7
3 2	10 28.14	+6 4.5	1.899	2.886	2.1	20.4	3 2	10 28.17	+13 7.7	1.886	2.870	2.9	20.8
3 12	10 19.85	+6 58.4	1.918	2.881	6.0	20.7	3 12	10 20.00	+13 43.2	1.921	2.875	6.8	21.0
3 22	10 12.80	+7 47.2	1.965	2.875	9.8	20.9	3 22	10 13.21	+14 7.7	1.984	2.881	10.4	21.2
4 1	10 7.67	+8 26.6	2.036	2.869	13.1	21.1	4 1	10 8.42	+14 19.3	2.069	2.886	13.5	21.5
<b>102187</b>	1999 RQ <sub>253</sub>		2 25.8 153°33	1°2/26.9	18		<b>367811</b>	2011 AS <sub>48</sub>		2 25.8 159°97	1°1/26.8	18	
1 22	10 57.08	+2 23.1	1.877	2.677	14.7	20.8	1 22	10 57.94	+4 4.1	2.146	2.943	13.2	22.0
2 1	10 52.31	+2 58.8	1.797	2.683	11.3	20.6	2 1	10 52.70	+4 18.1	2.063	2.948	10.1	21.8
2 11	10 45.39	+3 51.7	1.741	2.689	7.3	20.4	2 11	10 45.53	+4 44.7	2.005	2.952	6.5	21.6
2 21	10 36.97	+4 57.6	1.711	2.694	3.0	20.1	2 21	10 37.01	+5 20.8	1.974	2.956	2.6	21.3
3 2	10 27.99	+6 10.4	1.711	2.698	2.2	20.1	3 2	10 28.01	+6 2.0	1.973	2.960	2.0	21.3
3 12	10 19.52	+7 22.5	1.739	2.703	6.4	20.4	3 12	10 19.45	+6 43.1	2.001	2.963	5.8	21.5
3 22	10 12.49	+8 27.2	1.795	2.706	10.5	20.6	3 22	10 12.19	+7 19.6	2.057	2.966	9.5	21.8
4 1	10 7.59	+9 19.7	1.874	2.710	14.0	20.8	4 1	10 6.85	+7 47.7	2.138	2.968	12.7	22.0
<b>16224</b>	2000 DU <sub>69</sub>		2 25.8 202°73	0°1/25.8	18		<b>143433</b>	2003 BX <sub>62</sub>		2 25.8 81°78	3°3/23.0	18	
1 22	10 54.58	+6 54.0	2.432	3.238	11.5	18.6	1 22	11 1.18	+15 31.2	1.796	2.627	14.0	20.0
2 1	10 50.05	+7 26.4	2.343	3.236	8.7	18.4	2 1	10 55.19	+16 30.5	1.751	2.657	10.3	19.8
2 11	10 43.82	+8 9.0	2.279	3.233	5.4	18.2	2 11	10 47.00	+17 34.1	1.730	2.688	6.4	19.6
2 21	10 36.43	+8 58.3	2.244	3.229	1.8	17.9	2 21	10 37.45	+18 34.4	1.737	2.717	3.4	19.5
3 2	10 28.57	+9 49.4	2.239	3.226	2.0	17.9	3 2	10 27.63	+19 24.0	1.773	2.747	4.9	19.7
3 12	10 21.06	+10 37.5	2.264	3.222	5.6	18.2	3 12	10 18.68	+19 57.9	1.838	2.775	8.3	19.9
3 22	10 14.60	+11 18.2	2.317	3.218	8.9	18.4	3 22	10 11.49	+20 14.2	1.927	2.803	11.7	20.2
4 1	10 9.79	+11 48.8	2.394	3.214	11.8	18.5	4 1	10 6.63	+20 13.0	2.039	2.831	14.6	20.4
<b>9757</b>	Felixdejager		2 25.8 194°34	0°4/26.2	18		<b>166663</b>	2002 TO <sub>46</sub>		2 25.8 168°63	0°5/25.3	18	
1 22	10 55.21	+5 55.0	2.262	3.068	12.3	18.3	1 22	10 54.85	+8 31.2	2.697	3.504	10.5	21.0
2 1	10 50.62	+6 19.1	2.176	3.067	9.3	18.1	2 1	10 50.05	+9 5.9	2.614	3.507	7.9	20.9
2 11	10 44.22	+6 54.4	2.114	3.066	5.9	17.9	2 11	10 43.74	+9 48.6	2.556	3.510	4.8	20.7
2 21	10 36.57	+7 37.5	2.080	3.064	2.1	17.7	2 21	10 36.40	+10 35.7	2.528	3.513	1.5	20.4
3 2	10 28.43	+8 23.6	2.076	3.063	1.9	17.6	3 2	10 28.68	+11 22.9	2.530	3.516	2.0	20.5
3 12	10 20.68	+9 7.8	2.101	3.061	5.7	17.9	3 12	10 21.30	+12 6.0	2.563	3.517	5.3	20.7
3 22	10 14.09	+9 45.5	2.154	3.060	9.3	18.1	3 22	10 14.91	+12 41.3	2.624	3.519	8.3	20.9
4 1	10 9.27	+10 13.6	2.231	3.058	12.3	18.3	4 1	10 10.02	+13 6.8	2.710	3.520	10.9	21.1
<b>288603</b>	2004 KQ <sub>18</sub>		2 25.8 207°00	0°8/26.7	17		<b>431244</b>	2006 TE <sub>48</sub>		2 25.8 196°28	0°7/24.9	18	
1 22	10 55.04	+2 41.9	2.340	3.133	12.4	21.3	1 22	10 54.09	+9 44.9	2.911	3.719	9.8	22.2
2 1	10 50.49	+3 30.0	2.245	3.127	9.5	21.1	2 1	10 49.42	+10 17.4	2.822	3.716	7.3	22.0
2 11	10 44.17	+4 33.2	2.174	3.121	6.1	20.8	2 11	10 43.33	+10 56.7	2.758	3.713	4.4	21.8
2 21	10 36.57	+5 47.6	2.131	3.114	2.4	20.6	2 21	10 36.27	+11 39.4	2.725	3.710	1.5	21.6
3 2	10 28.43	+7 7.9	2.119	3.107	1.9	20.5	3 2	10 28.82	+12 21.5	2.722	3.706	2.1	21.7
3 12	10 20.59	+8 27.5	2.138	3.099	5.6	20.8	3 12	10 21.67	+12 59.3	2.750	3.702	5.1	21.9
3 22	10 13.85	+9 40.4	2.185	3.091	9.2	21.0	3 22	10 15.41	+13 29.6	2.806	3.698	7.9	22.0
4 1	10 8.80	+10 42.2	2.257	3.081	12.3	21.1	4 1	10 10.53	+13 50.5	2.888	3.693	10.4	22.2
<b>228666</b>	2002 GG <sub>131</sub>		2 25.8 12°45	1°2/26.9	18		<b>378303</b>	2007 EP <sub>214</sub>		2 25.8 264°68	2°7/28.6	17	
1 22	10 54.68	+3 23.6	1.871	2.679	14.4	20.8	1 22	10 53.65	-2 21.6	2.061	2.842	14.2	21.2
2 1	10 50.56	+3 46.2	1.789	2.680	11.0	20.6	2 1	10 49.78	-1 52.4	1.957	2.827	11.3	21.0
2 11	10 44.33	+4 24.4	1.730	2.680	7.1	20.4	2 11	10 43.90	-1 2.9	1.876	2.811	7.9	20.8
2 21	10 36.64	+5 14.6	1.698	2.681	2.9	20.1	2 21	10 36.54	+0 4.7	1.821	2.795	4.3	20.5
3 2	10 28.37	+6 11.4	1.694	2.682	2.2	20.0	3 2	10 28.48	+1 26.0	1.795	2.779	2.9	20.4
3 12	10 20.57	+7 8.1	1.718	2.683	6.4	20.3	3 12	10 20.70	+2 53.6	1.798	2.763	6.1	20.6
3 22	10 14.16	+7 58.6	1.769	2.684	10.4	20.5	3 22	10 14.08	+4 20.1	1.828	2.746	9.9	20.7
4 1	10 9.82	+8 38.5	1.843	2.685	13.9	20.8	4 1	10 9.36	+5 38.5	1.883	2.729	13.5	20.9
<b>125215</b>	2001 UY <sub>151</sub>		2 25.8 134°18	1°5/24.5	18		<b>60986</b>	2000 KN <sub>17</sub>		2 25.8 224°20	1°2/26.9	18	
1 22	10 57.39	+10 44.6	2.002	2.824	13.1	20.1	1 22	10 56.94	+3 22.1	2.179	2.974	13.1	20.0
2 1	10 52.40	+11 28.4	1.929	2.832	9.7	19.9	2 1	10 52.07	+3 42.1	2.082	2.965	10.1	19.8
2 11	10 45.37	+12 21.2	1.881	2.839	5.9	19.7	2 11	10 45.22	+4 15.8	2.009	2.956	6.5	19.6
2 21	10 36.96	+13 17.4	1.861	2.846	2.1	19.5	2 21	10 36.96	+5 0.3	1.964	2.946	2.7	19.3
3 2	10 28.06	+14 10.9	1.870	2.853	3.2	19.6	3 2	10 28.07	+5 51.2	1.948	2.935	2.1	19.2
3 12	10 19.71	+14 55.6	1.908	2.859	7.0	19.8	3 12	10 19.51	+6 42.9	1.962	2.924	5.9	19.5
3 22	10 12.76	+15 27.6	1.973	2.866	10.7	20.0	3 22	10 12.14	+7 30.0	2.004	2.913	9.7	19.7
4 1	10 7.86	+15 45.1	2.060	2.871	13.8	20.3	4 1	10 6.65	+8 8.3	2.070	2.901	13.0	19.9
<b>309415</b>	2007 TE <sub>338</sub>		2 25.8 189°68	3°6/22.5	18		<b>252954</b>	2002 PZ <sub>97</sub>		2 25.8 209°77	1°4/24.6	17	
1 22	10 59.14	+1											

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>522505</b>	2016 <i>EN</i> <sub>233</sub>		2 25.8 154°42'		1.9°/27.7 17		<b>234819</b>	2002 <i>RS</i> <sub>17</sub>		2 25.9 122°68'		1.2°/24.7 17	
1 22	10 54.88	+ 0 52.1	2.002	2.797	14.1	21.5	1 22	10 58.86	+12 14.9	2.448	3.260	11.3	20.7
2 1	10 50.58	+ 1 15.3	1.918	2.799	11.0	21.3	2 1	10 53.10	+12 32.9	2.375	3.273	8.4	20.5
2 11	10 44.31	+ 1 55.3	1.857	2.800	7.3	21.1	2 11	10 45.63	+12 56.1	2.329	3.285	5.1	20.3
2 21	10 36.64	+ 2 49.1	1.822	2.802	3.5	20.9	2 21	10 37.05	+13 20.5	2.312	3.297	1.8	20.1
3 2	10 28.43	+ 3 51.7	1.817	2.803	2.4	20.8	3 2	10 28.14	+13 42.0	2.325	3.308	2.6	20.2
3 12	10 20.66	+ 4 56.6	1.840	2.805	6.0	21.0	3 12	10 19.72	+13 57.2	2.369	3.319	5.9	20.4
3 22	10 14.18	+ 5 57.4	1.890	2.806	9.8	21.3	3 22	10 12.52	+14 3.6	2.440	3.330	9.0	20.7
4 1	10 9.65	+ 6 49.1	1.965	2.807	13.1	21.5	4 1	10 7.07	+14 0.2	2.536	3.340	11.7	20.9
<b>54775</b>	2001 <i>LK</i> <sub>16</sub>		2 25.8 224°02'		3.4°/28.8 18		<b>417453</b>	2006 <i>QJ</i> <sub>14</sub>		2 25.9 208°54'		0.9°/25.0 17	
1 22	10 56.45	- 2 5.3	1.896	2.678	15.2	19.5	1 22	10 59.20	+ 9 24.6	2.142	2.954	12.7	22.8
2 1	10 51.95	- 2 2.4	1.804	2.674	12.1	19.2	2 1	10 53.79	+10 1.0	2.051	2.948	9.5	22.5
2 11	10 45.27	- 1 40.4	1.735	2.669	8.5	19.0	2 11	10 46.31	+10 47.3	1.985	2.940	5.9	22.3
2 21	10 37.01	- 1 0.8	1.692	2.664	4.9	18.8	2 21	10 37.35	+11 38.9	1.947	2.933	1.9	22.0
3 2	10 28.07	- 0 7.5	1.676	2.659	3.5	18.7	3 2	10 27.77	+12 30.1	1.939	2.924	2.7	22.1
3 12	10 19.53	+ 0 53.3	1.689	2.654	6.5	18.9	3 12	10 18.57	+13 15.0	1.961	2.915	6.7	22.3
3 22	10 12.35	+ 1 54.6	1.729	2.648	10.3	19.1	3 22	10 10.66	+13 49.3	2.011	2.905	10.5	22.5
4 1	10 7.30	+ 2 50.2	1.792	2.642	13.9	19.3	4 1	10 4.74	+14 10.6	2.084	2.894	13.7	22.7
<b>165673</b>	2001 <i>OJ</i> <sub>15</sub>		2 25.8 232°75'		3.1°/28.2 18		<b>178986</b>	2001 <i>QO</i> <sub>292</sub>		2 25.9 253°75'		4.8°/29.3 17	
1 22	11 1.27	+ 0 23.2	2.366	3.136	12.9	19.7	1 22	10 59.85	- 3 39.5	1.964	2.730	15.3	20.1
2 1	10 55.12	- 0 14.9	2.269	3.131	10.2	19.5	2 1	10 54.56	- 4 15.6	1.862	2.717	12.5	19.9
2 11	10 47.03	- 0 42.0	2.195	3.126	7.2	19.3	2 11	10 46.96	- 4 35.1	1.782	2.704	9.2	19.6
2 21	10 37.56	- 0 58.3	2.150	3.121	4.2	19.1	2 21	10 37.62	- 4 37.3	1.728	2.691	6.0	19.4
3 2	10 27.50	- 1 5.3	2.135	3.115	3.3	19.0	3 2	10 27.44	- 4 23.5	1.702	2.677	4.8	19.3
3 12	10 17.78	- 1 5.5	2.151	3.110	5.8	19.2	3 12	10 17.55	- 3 57.6	1.705	2.663	7.1	19.4
3 22	10 9.25	- 1 2.1	2.195	3.104	9.0	19.4	3 22	10 9.00	- 3 24.7	1.734	2.648	10.6	19.6
4 1	10 2.56	- 0 58.5	2.265	3.098	12.0	19.6	4 1	10 2.62	- 2 50.9	1.787	2.634	14.1	19.8
<b>66717</b>	1999 <i>TK</i> <sub>102</sub>		2 25.9 183°76'		0.2°/26.1 17		<b>406003</b>	2006 <i>SM</i> <sub>363</sub>		2 25.9 112°08'		1.0°/26.8 18	
1 22	10 54.70	+ 5 4.0	2.879	3.671	10.3	20.7	1 22	10 58.42	+ 2 55.1	2.137	2.929	13.4	22.5
2 1	10 49.90	+ 5 52.8	2.787	3.671	7.8	20.5	2 1	10 52.93	+ 3 33.1	2.071	2.953	10.2	22.3
2 11	10 43.65	+ 6 52.1	2.721	3.671	4.9	20.3	2 11	10 45.59	+ 4 25.1	2.030	2.976	6.5	22.1
2 21	10 36.40	+ 7 58.5	2.685	3.670	1.7	20.1	2 21	10 37.05	+ 5 27.0	2.016	2.999	2.6	21.9
3 2	10 28.76	+ 9 7.3	2.681	3.668	1.6	20.1	3 2	10 28.16	+ 6 33.1	2.033	3.021	2.0	21.9
3 12	10 21.40	+10 13.8	2.709	3.666	4.8	20.3	3 12	10 19.86	+ 7 37.1	2.080	3.042	5.7	22.2
3 22	10 14.93	+11 13.6	2.766	3.663	7.8	20.5	3 22	10 12.91	+ 8 33.9	2.156	3.062	9.2	22.4
4 1	10 9.85	+12 3.6	2.849	3.659	10.4	20.7	4 1	10 7.86	+ 9 19.7	2.256	3.082	12.2	22.6
<b>498186</b>	2007 <i>TU</i> <sub>283</sub>		2 25.9 271°31'		1.4°/27.3 17		<b>265702</b>	2005 <i>UD</i> <sub>172</sub>		2 25.9 240°28'		1.7°/24.4 17	
1 22	10 53.20	+ 2 6.2	2.203	3.000	12.9	22.1	1 22	10 57.10	+11 20.0	1.906	2.733	13.4	21.1
2 1	10 49.24	+ 2 33.9	2.109	2.993	10.0	21.8	2 1	10 52.41	+11 58.3	1.824	2.729	10.0	20.8
2 11	10 43.46	+ 3 16.8	2.039	2.985	6.5	21.6	2 11	10 45.53	+12 45.9	1.766	2.724	6.1	20.6
2 21	10 36.38	+ 4 11.6	1.996	2.977	2.9	21.4	2 21	10 37.10	+13 37.2	1.735	2.720	2.3	20.3
3 2	10 28.76	+ 5 13.8	1.982	2.969	2.0	21.3	3 2	10 28.06	+14 25.8	1.733	2.716	3.4	20.4
3 12	10 21.46	+ 6 17.3	1.997	2.961	5.7	21.5	3 12	10 19.49	+15 5.5	1.759	2.711	7.5	20.6
3 22	10 15.27	+ 7 16.4	2.040	2.953	9.3	21.7	3 22	10 12.35	+15 32.2	1.811	2.706	11.4	20.9
4 1	10 10.85	+ 8 6.5	2.107	2.945	12.5	21.9	4 1	10 7.37	+15 43.8	1.886	2.702	14.7	21.1
<b>247283</b>	2001 <i>SC</i> <sub>187</sub>		2 25.9 115°64'		0.9°/25.0 18		<b>496139</b>	2010 <i>RX</i> <sub>80</sub>		2 25.9 217°33'		0.1°/25.8 17	
1 22	10 58.53	+11 11.3	2.487	3.297	11.2	20.4	1 22	10 58.01	+ 6 32.2	2.010	2.819	13.5	22.2
2 1	10 52.82	+11 24.2	2.414	3.309	8.3	20.2	2 1	10 53.05	+ 7 8.8	1.918	2.811	10.3	22.0
2 11	10 45.44	+11 42.7	2.367	3.322	5.1	20.0	2 11	10 45.92	+ 7 58.6	1.849	2.803	6.4	21.8
2 21	10 36.98	+12 3.3	2.349	3.334	1.7	19.8	2 21	10 37.24	+ 8 57.2	1.809	2.794	2.1	21.5
3 2	10 28.19	+12 22.1	2.361	3.346	2.3	19.8	3 2	10 27.89	+ 9 58.8	1.798	2.784	2.3	21.5
3 12	10 19.88	+12 35.8	2.404	3.357	5.7	20.1	3 12	10 18.91	+10 56.5	1.816	2.774	6.7	21.7
3 22	10 12.76	+12 42.0	2.475	3.369	8.8	20.3	3 22	10 11.26	+11 45.0	1.861	2.763	10.7	21.9
4 1	10 7.36	+12 39.3	2.571	3.380	11.4	20.5	4 1	10 5.67	+12 20.5	1.930	2.752	14.2	22.1
<b>374353</b>	2005 <i>UO</i> <sub>156</sub>		2 25.9 341°91'		8.9°/19.2 18		<b>150930</b>	2001 <i>TE</i> <sub>71</sub>		2 25.9 16°74'		6.8°/ 3.0 18	
1 22	11 1.33	+29 8.9	1.537	2.383	15.1	20.3	1 22	10 52.28	-10 24.1	1.561	2.324	18.8	19.3
2 1	10 56.26	+30 15.6	1.474	2.377	12.1	20.1	2 1	10 49.19	-10 33.0	1.482	2.327	15.7	19.0
2 11	10 48.17	+31 15.1	1.434	2.371	9.7	19.9	2 11	10 43.71	-10 12.0	1.423	2.331	12.2	18.8
2 21	10 37.99	+31 56.5	1.419	2.366	8.9	19.8	2 21	10 36.53	- 9 20.9	1.385	2.335	8.7	18.6
3 2	10 27.12	+32 10.7	1.428	2.361	10.5	19.9	3 2	10 28.67	- 8 2.9	1.372	2.340	6.8	18.5
3 12	10 17.14	+31 53.9	1.462	2.357	13.3	20.1	3 12	10 21.34	- 6 26.5	1.385	2.345	8.1	18.6
3 22	10 9.35	+31 7.6	1.517	2.354	16.5	20.2	3 22	10 15.62	- 4 42.2	1.424	2.351	11.4	18.8
4 1	10 4.55	+29 56.5	1.591	2.351	19.3	20.4	4 1	10 12.26	- 3 0.8	1.485	2.358	14.9	19.1
<b>433008</b>	2012 <i>RC</i> <sub>10</sub>		2 25.9 255°87'		2.2°/23.9 17		<b>401009</b>	2011 <i>RM</i> <sub>3</sub>		2 25.9 205°11'		2.2°/24.1 17	
1 22	11 0.14	+15 13.5	2.208	3.030	12.0	21.0	1 22	11 2.99	+13 12.6	2.030	2.847	13.1	22.7
2 1	10 54.44	+15 30.7	2.117	3.019	9.0	20.7	2 1	10 56.75	+13 50.3	1.941	2.841	9.8	22.4
2 11	10 46.68	+15 51.6	2.051	3.007	5.6	20.5	2 11	10 48.21	+14 35.1	1.877	2.834	6.1	22.2
2 21	10 37.46	+16 11.7	2.013	2.996	2.5	20.3	2 21	10 38.00	+15 21.4	1.842	2.826	2.5	22.0
3 2	10 27.65	+16 26.1	2.006	2.984	3.6	20.3	3 2	10 27.10	+16 2.7	1.837	2.817	3.8	22.0
3 12	10 18.26	+16 31.0	2.027	2.973	7.1	20.5	3 12	10 16.67	+16 33.5	1.861	2.807	7.7	22.2
3 22	10 10.19	+16 24.2	2.076	2.961	10.6	20.7	3 22	10 7.70	+16 50.5	1.913	2.796	11.5	22.4
4 1	10 4.13	+16 5.1	2.148	2.949	13.7	20.9	4 1	10 0.98	+16 52.4	1.988	2.784	14.8	22.6
<b>186129</b>	2001 <i>TO</i> <sub>159</sub>		2 25.9 147°48'		0.6°/26.5 18		<b>42779</b>	1998 <i>VD</i> <sub>13&lt;/</sub>					

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2 25.9

2 25.9

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>489611</b>	2007 <i>TO</i> <sub>224</sub>		2 25.9 240°51	2°7/23.5	17		<b>437607</b>	2014 <i>BF</i> <sub>12</sub>		2 25.9 298°35	2°4/22.9	17	
1 22	11 0 37	+13 41.8	1.934	2.759	13.3	22.4	1 22	10 52.26	+13 1.0	2.336	3.165	11.2	21.4
2 1	10 55.03	+14 34.6	1.839	2.742	10.0	22.2	2 1	10 48.47	+14 14.8	2.256	3.163	8.3	21.2
2 11	10 47.29	+15 36.1	1.767	2.725	6.2	21.9	2 11	10 42.96	+15 36.5	2.202	3.160	5.1	21.0
2 21	10 37.74	+16 40.0	1.724	2.707	2.9	21.6	2 21	10 36.26	+17 0.1	2.176	3.158	2.5	20.9
3 2	10 27.36	+17 38.5	1.710	2.687	4.4	21.7	3 2	10 29.09	+18 18.8	2.181	3.156	3.9	20.9
3 12	10 17.32	+18 24.7	1.725	2.668	8.4	21.9	3 12	10 22.27	+19 26.4	2.215	3.154	7.1	21.1
3 22	10 8.71	+18 54.4	1.766	2.647	12.4	22.1	3 22	10 16.53	+20 19.0	2.276	3.152	10.2	21.3
4 1	10 2.38	+19 5.7	1.830	2.625	15.9	22.3	4 1	10 12.47	+20 54.5	2.360	3.150	12.9	21.5
<b>336186</b>	2008 <i>RM</i> <sub>113</sub>		2 25.9 195°30	1°1/26.9	17		<b>217908</b>	2001 <i>SR</i> <sub>142</sub>		2 25.9 223°91	1°1/26.9	17	
1 22	10 56.16	+ 3 50.0	2.186	2.985	12.9	21.6	1 22	10 57.88	+ 3 31.9	2.302	3.093	12.6	22.3
2 1	10 51.42	+ 4 4.1	2.099	2.984	9.9	21.4	2 1	10 52.73	+ 3 50.1	2.201	3.082	9.7	22.1
2 11	10 44.80	+ 4 30.9	2.035	2.982	6.4	21.2	2 11	10 45.65	+ 4 21.2	2.124	3.070	6.3	21.9
2 21	10 36.85	+ 5 7.5	1.999	2.981	2.7	21.0	2 21	10 37.19	+ 5 2.4	2.075	3.057	2.6	21.6
3 2	10 28.39	+ 5 49.6	1.992	2.979	2.0	20.9	3 2	10 28.10	+ 5 49.7	2.056	3.044	2.0	21.5
3 12	10 20.32	+ 6 32.2	2.014	2.977	5.7	21.1	3 12	10 19.29	+ 6 37.7	2.068	3.030	5.7	21.7
3 22	10 13.45	+ 7 10.4	2.064	2.975	9.4	21.4	3 22	10 11.62	+ 7 21.6	2.108	3.015	9.4	21.9
4 1	10 8.42	+ 7 40.6	2.139	2.973	12.5	21.6	4 1	10 5.75	+ 7 57.5	2.173	3.000	12.6	22.1
<b>202711</b>	2007 <i>GS</i> <sub>54</sub>		2 25.9 226°26	3°2/23.2	18		<b>274623</b>	2008 <i>TG</i> <sub>74</sub>		2 25.9 233°40	1°5/27.5	17	
1 22	10 59.14	+13 22.4	1.615	2.451	15.0	20.8	1 22	10 55.56	+ 2 0.5	2.399	3.186	12.3	21.8
2 1	10 54.42	+14 30.2	1.534	2.444	11.2	20.6	2 1	10 50.91	+ 2 17.3	2.298	3.175	9.5	21.5
2 11	10 47.03	+15 49.0	1.477	2.437	6.9	20.3	2 11	10 44.49	+ 2 47.4	2.221	3.164	6.3	21.3
2 21	10 37.68	+17 10.6	1.447	2.429	3.4	20.1	2 21	10 36.79	+ 3 28.5	2.172	3.152	2.9	21.1
3 2	10 27.50	+18 25.0	1.444	2.421	5.2	20.1	3 2	10 28.52	+ 4 16.7	2.153	3.140	2.1	21.0
3 12	10 17.85	+19 23.8	1.469	2.412	9.5	20.4	3 12	10 20.54	+ 5 7.2	2.164	3.127	5.4	21.2
3 22	10 9.94	+20 1.8	1.518	2.403	13.8	20.6	3 22	10 13.59	+ 5 55.0	2.203	3.114	8.8	21.4
4 1	10 4.63	+20 17.5	1.588	2.393	17.5	20.8	4 1	10 8.32	+ 6 35.9	2.267	3.100	11.9	21.6
<b>335886</b>	2007 <i>RA</i> <sub>173</sub>		2 25.9 160°36	3°5/22.3	17		<b>60595</b>	2000 <i>EN</i> <sub>150</sub>		2 25.9 165°72	5°0/1.6	18	
1 22	10 57.72	+18 55.4	2.368	3.196	11.1	20.9	1 22	10 58.88	- 7 33.6	2.279	3.017	14.3	18.9
2 1	10 52.44	+19 37.9	2.295	3.199	8.3	20.7	2 1	10 53.40	- 7 54.1	2.190	3.022	11.8	18.7
2 11	10 45.34	+20 21.9	2.248	3.202	5.4	20.5	2 11	10 46.02	- 7 56.3	2.122	3.027	8.9	18.5
2 21	10 37.02	+21 1.8	2.229	3.204	3.5	20.4	2 21	10 37.29	- 7 39.9	2.081	3.031	6.2	18.4
3 2	10 28.27	+21 32.5	2.240	3.206	4.7	20.5	3 2	10 28.02	- 7 7.0	2.068	3.034	5.0	18.3
3 12	10 20.01	+21 50.1	2.280	3.208	7.5	20.7	3 12	10 19.13	- 6 21.7	2.084	3.037	6.4	18.4
3 22	10 13.00	+21 52.9	2.346	3.210	10.4	20.8	3 22	10 11.46	- 5 29.5	2.129	3.039	9.1	18.6
4 1	10 7.83	+21 40.8	2.435	3.211	12.9	21.0	4 1	10 5.64	- 4 36.5	2.198	3.041	11.9	18.7
<b>214251</b>	2005 <i>EH</i> <sub>292</sub>		2 25.9 267°94	2°6/23.5	18		<b>361629</b>	2007 <i>TD</i> <sub>164</sub>		2 25.9 101°10	1°9/24.5	18	
1 22	10 56.18	+11 51.4	1.695	2.530	14.4	20.8	1 22	11 0.61	+11 33.8	1.611	2.441	15.3	21.2
2 1	10 52.12	+12 58.6	1.608	2.518	10.8	20.5	2 1	10 55.23	+12 10.7	1.547	2.453	11.4	21.0
2 11	10 45.58	+14 18.5	1.545	2.505	6.6	20.2	2 11	10 47.33	+12 57.2	1.506	2.464	6.9	20.8
2 21	10 37.20	+15 43.5	1.508	2.492	2.9	20.0	2 21	10 37.73	+13 46.6	1.491	2.476	2.6	20.5
3 2	10 28.00	+17 4.4	1.500	2.479	4.6	20.0	3 2	10 27.60	+14 31.6	1.504	2.487	3.8	20.6
3 12	10 19.23	+18 12.4	1.520	2.466	8.9	20.3	3 12	10 18.24	+15 5.5	1.545	2.498	8.2	20.9
3 22	10 12.01	+19 1.5	1.564	2.453	13.2	20.5	3 22	10 10.72	+15 24.6	1.612	2.509	12.4	21.2
4 1	10 7.19	+19 29.3	1.629	2.440	16.8	20.7	4 1	10 5.74	+15 27.6	1.699	2.520	15.9	21.4
<b>490579</b>	2009 <i>WA</i> <sub>101</sub>		2 25.9 283°34	0°7/25.2	17		<b>191246</b>	2002 <i>YV</i> <sub>15</sub>		2 25.9 122°17	2°9/27.9	18	
1 22	10 55.26	+ 8 14.5	1.901	2.723	13.7	21.5	1 22	11 2.24	+ 0 32.6	1.598	2.392	17.1	20.4
2 1	10 51.04	+ 8 54.1	1.819	2.720	10.3	21.2	2 1	10 56.48	+ 0 26.0	1.527	2.405	13.4	20.2
2 11	10 44.69	+ 9 46.0	1.760	2.717	6.3	21.0	2 11	10 48.14	+ 0 38.1	1.477	2.418	9.0	20.0
2 21	10 36.85	+10 45.0	1.729	2.714	2.0	20.7	2 21	10 38.02	+ 1 6.6	1.453	2.430	4.6	19.7
3 2	10 28.42	+11 44.6	1.726	2.712	2.7	20.7	3 2	10 27.29	+ 1 46.8	1.457	2.442	3.3	19.7
3 12	10 20.44	+12 38.2	1.751	2.709	7.0	21.0	3 12	10 17.28	+ 2 31.8	1.488	2.453	7.2	19.9
3 22	10 13.84	+13 20.6	1.803	2.706	10.9	21.2	3 22	10 9.11	+ 3 15.1	1.546	2.463	11.5	20.2
4 1	10 9.31	+13 48.6	1.877	2.703	14.4	21.4	4 1	10 3.53	+ 3 51.1	1.627	2.473	15.2	20.5
<b>135460</b>	2001 <i>VB</i> <sub>61</sub>		2 25.9 177°03	1°5/27.7	18		<b>328931</b>	2010 <i>VP</i> <sub>13</sub>		2 25.9 67°80	1°0/26.7	18	
1 22	10 54.61	+ 1 39.8	2.906	3.684	10.6	20.7	1 22	10 56.78	+ 4 10.3	1.667	2.481	15.6	21.0
2 1	10 49.81	+ 1 50.7	2.814	3.686	8.2	20.6	2 1	10 52.29	+ 4 33.6	1.598	2.492	11.9	20.8
2 11	10 43.61	+ 2 12.3	2.748	3.687	5.5	20.4	2 11	10 45.50	+ 5 13.1	1.551	2.503	7.6	20.6
2 21	10 36.44	+ 2 42.6	2.710	3.688	2.6	20.2	2 21	10 37.13	+ 6 4.4	1.530	2.514	2.9	20.3
3 2	10 28.90	+ 3 18.7	2.703	3.688	1.9	20.1	3 2	10 28.23	+ 7 1.2	1.537	2.525	2.3	20.3
3 12	10 21.65	+ 3 56.8	2.726	3.689	4.5	20.3	3 12	10 19.97	+ 7 56.0	1.572	2.536	6.9	20.6
3 22	10 15.28	+ 4 33.4	2.779	3.688	7.3	20.5	3 22	10 13.34	+ 8 42.8	1.632	2.547	11.1	20.9
4 1	10 10.29	+ 5 5.4	2.858	3.687	9.8	20.7	4 1	10 9.02	+ 9 17.3	1.716	2.559	14.7	21.1
<b>111746</b>	2002 <i>CE</i> <sub>107</sub>		2 25.9 40°64	2°6/24.0	18		<b>202806</b>	Sierrastars		2 25.9 174°11	2°3/23.9	18	
1 22	10 57.29	+11 34.3	1.266	2.115	17.5	19.4	1 22	11 2.28	+12 45.7	1.917	2.737	13.7	21.8
2 1	10 53.29	+12 28.3	1.209	2.125	13.0	19.1	2 1	10 56.26	+13 33.3	1.839	2.741	10.2	21.6
2 11	10 46.37	+13 35.0	1.173	2.135	7.9	18.9	2 11	10 47.91	+14 28.9	1.787	2.744	6.2	21.3
2 21	10 37.45	+14 45.5	1.162	2.147	3.1	18.6	2 21	10 37.94	+15 26.2	1.762	2.746	2.6	21.1
3 2	10 27.89	+15 49.3	1.176	2.158	4.8	18.7	3 2	10 27.37	+16 18.0	1.768	2.747	3.9	21.2
3 12	10 19.25	+16 37.4	1.216	2.170	9.7	19.0	3 12	10 17.37	+16 58.3	1.802	2.748	7.9	21.4
3 22	10 12.76	+17 4.9	1.279	2.183	14.4	19.3	3 22	10 8.95	+17 23.3	1.864	2.747	11.7	21.7
4 1	10 9.19	+17 10.8	1.361	2.196	18.3	19.6	4 1	10 2.84	+17 32.0	1.948	2.746	14.9	21.9
<b>106068</b>	2000 <i>SC</i> <sub>329</sub>		2 25.9 103°40	0°9/26.9	17		<b>189060</b>	2000 <i>UJ</i> <sub>68</sub>		2 25.9 215°74</			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>86927</b>	2000 <i>HH</i> <sub>61</sub>		2 25.9 174°98	3°5/22.8	18		<b>381246</b>	2007 <i>TU</i> <sub>76</sub>		2 25.9 73°02	0°7/25.2	18	
1 22	11 1.68	+15 53.4	1.897	2.725	13.5	20.4	1 22	10 56.13	+ 8 52.9	2.104	2.920	12.7	21.4
2 1	10 55.86	+16 53.1	1.823	2.728	10.0	20.2	2 1	10 51.31	+ 9 27.1	2.041	2.940	9.4	21.2
2 11	10 47.69	+17 58.6	1.774	2.730	6.3	20.0	2 11	10 44.66	+10 10.6	2.004	2.960	5.7	21.0
2 21	10 37.88	+19 2.4	1.753	2.732	3.6	19.8	2 21	10 36.83	+10 58.6	1.994	2.980	1.8	20.8
3 2	10 27.47	+19 56.8	1.761	2.733	5.1	19.9	3 2	10 28.67	+11 45.6	2.014	3.000	2.4	20.9
3 12	10 17.64	+20 35.7	1.798	2.733	8.7	20.1	3 12	10 21.08	+12 26.4	2.063	3.019	6.2	21.2
3 22	10 9.43	+20 56.1	1.861	2.733	12.3	20.4	3 22	10 14.81	+12 57.3	2.139	3.039	9.6	21.4
4 1	10 3.55	+20 57.8	1.946	2.731	15.4	20.6	4 1	10 10.43	+13 16.2	2.239	3.058	12.5	21.6
<b>372444</b>	2009 <i>SL</i> <sub>86</sub>		2 25.9 69°92	0°1/25.9	18		<b>130289</b>	2000 <i>EX</i> <sub>35</sub>		2 25.9 197°70	0°5/26.4	18	
1 22	10 58.77	+ 7 44.6	1.795	2.612	14.5	21.0	1 22	10 54.84	+ 5 18.6	2.466	3.266	11.6	20.4
2 1	10 53.63	+ 7 55.7	1.725	2.623	11.0	20.8	2 1	10 50.28	+ 5 45.8	2.376	3.264	8.8	20.2
2 11	10 46.25	+ 8 17.9	1.679	2.634	6.8	20.5	2 11	10 44.05	+ 6 23.9	2.311	3.261	5.6	20.0
2 21	10 37.38	+ 8 47.0	1.660	2.645	2.3	20.3	2 21	10 36.66	+ 7 9.8	2.275	3.259	2.0	19.8
3 2	10 28.03	+ 9 17.8	1.669	2.657	2.3	20.3	3 2	10 28.82	+ 7 59.0	2.268	3.256	1.8	19.8
3 12	10 19.33	+ 9 44.8	1.707	2.668	6.8	20.6	3 12	10 21.31	+ 8 46.8	2.292	3.252	5.3	20.0
3 22	10 12.22	+10 3.9	1.771	2.679	10.8	20.9	3 22	10 14.84	+ 9 28.8	2.344	3.249	8.7	20.2
4 1	10 7.35	+10 12.5	1.858	2.691	14.2	21.1	4 1	10 9.98	+10 1.8	2.420	3.245	11.6	20.4
<b>432129</b>	2009 <i>BS</i> <sub>47</sub>		2 25.9 342°51	0°7/25.3	17		<b>281704</b>	2008 <i>WJ</i> <sub>93</sub>		2 25.9 79°67	1°6/24.4	18	
1 22	10 52.54	+ 8 21.8	1.779	2.609	14.1	20.9	1 22	10 55.89	+11 30.0	2.067	2.892	12.6	21.1
2 1	10 49.18	+ 8 55.5	1.694	2.600	10.6	20.7	2 1	10 51.28	+12 9.5	1.996	2.899	9.3	20.9
2 11	10 43.65	+ 9 42.1	1.634	2.592	6.5	20.4	2 11	10 44.74	+12 57.0	1.949	2.907	5.7	20.7
2 21	10 36.57	+10 36.3	1.599	2.585	2.1	20.1	2 21	10 36.89	+13 47.1	1.930	2.915	2.1	20.5
3 2	10 28.84	+11 31.9	1.591	2.578	2.8	20.2	3 2	10 28.61	+14 33.9	1.941	2.923	3.2	20.6
3 12	10 21.56	+12 21.7	1.612	2.572	7.2	20.4	3 12	10 20.84	+15 12.2	1.980	2.931	6.8	20.8
3 22	10 15.67	+13 0.3	1.657	2.566	11.4	20.6	3 22	10 14.41	+15 38.4	2.045	2.938	10.3	21.1
4 1	10 11.92	+13 24.4	1.725	2.562	14.9	20.9	4 1	10 9.91	+15 50.7	2.134	2.946	13.3	21.3
<b>155028</b>	2005 <i>QR</i> <sub>82</sub>		2 25.9 132°91	5°1/21.1	18		<b>66655</b>	1999 <i>SN</i> <sub>13</sub>		2 25.9 214°39	2°2/28.4	18	
1 22	11 3.24	+24 2.9	2.243	3.068	11.8	20.1	1 22	10 55.11	- 0 58.0	2.543	3.315	12.1	20.9
2 1	10 56.59	+24 52.8	2.185	3.082	9.0	19.9	2 1	10 50.49	- 0 38.6	2.442	3.308	9.5	20.7
2 11	10 47.90	+25 39.7	2.152	3.096	6.4	19.8	2 11	10 44.21	- 0 4.5	2.365	3.299	6.5	20.5
2 21	10 37.89	+26 17.0	2.147	3.109	5.1	19.7	2 21	10 36.74	+ 0 42.4	2.316	3.291	3.5	20.2
3 2	10 27.54	+26 39.2	2.172	3.121	6.3	19.8	3 2	10 28.76	+ 1 38.5	2.297	3.281	2.4	20.2
3 12	10 17.88	+26 43.1	2.226	3.133	8.8	20.0	3 12	10 21.05	+ 2 38.8	2.308	3.271	5.1	20.3
3 22	10 9.77	+26 28.6	2.306	3.144	11.5	20.2	3 22	10 14.31	+ 3 38.3	2.348	3.261	8.3	20.5
4 1	10 3.80	+25 57.5	2.407	3.155	13.8	20.4	4 1	10 9.14	+ 4 32.3	2.414	3.250	11.2	20.7
<b>108936</b>	2001 <i>PJ</i> <sub>24</sub>		2 25.9 68°60	2°5/23.9	18		<b>258319</b>	2001 <i>UR</i> <sub>204</sub>		2 25.9 161°68	1°5/24.5	18	
1 22	11 0.10	+13 20.0	1.628	2.462	15.0	19.2	1 22	10 58.95	+11 37.6	2.142	2.960	12.5	21.5
2 1	10 54.69	+14 2.7	1.576	2.484	11.1	19.1	2 1	10 53.54	+12 12.6	2.065	2.965	9.3	21.3
2 11	10 46.90	+14 52.5	1.547	2.506	6.7	18.8	2 11	10 46.14	+12 55.1	2.013	2.969	5.7	21.0
2 21	10 37.58	+15 42.3	1.545	2.528	2.9	18.7	2 21	10 37.38	+13 40.0	1.988	2.973	2.1	20.8
3 2	10 27.89	+16 24.7	1.571	2.551	4.2	18.8	3 2	10 28.15	+14 21.9	1.994	2.977	3.1	20.9
3 12	10 19.06	+16 54.1	1.624	2.573	8.3	19.1	3 12	10 19.41	+14 55.5	2.030	2.980	6.8	21.1
3 22	10 12.08	+17 7.6	1.703	2.595	12.1	19.4	3 22	10 12.01	+15 17.6	2.092	2.982	10.3	21.3
4 1	10 7.55	+17 4.7	1.803	2.617	15.3	19.6	4 1	10 6.58	+15 26.6	2.178	2.984	13.3	21.5
<b>497524</b>	2006 <i>BW</i> <sub>143</sub>		2 25.9 351°30	7°0/1.4	18		<b>56780</b>	2000 <i>OJ</i> <sub>43</sub>		2 25.9 276°11	2°2/28.1	18	
1 22	10 52.71	- 5 18.7	1.358	2.156	19.4	19.9	1 22	10 53.18	- 1 29.1	1.888	2.679	15.0	19.1
2 1	10 49.95	- 6 16.0	1.276	2.147	16.0	19.7	2 1	10 49.65	- 0 43.3	1.787	2.665	11.8	18.8
2 11	10 44.46	- 6 49.8	1.213	2.138	12.2	19.4	2 11	10 43.99	+ 0 25.4	1.709	2.650	8.0	18.5
2 21	10 36.91	- 6 57.8	1.171	2.131	8.6	19.2	2 21	10 36.74	+ 1 53.7	1.657	2.635	4.0	18.3
3 2	10 28.44	- 6 40.7	1.153	2.126	7.0	19.1	3 2	10 28.74	+ 3 35.6	1.634	2.620	2.6	18.1
3 12	10 20.46	- 6 3.8	1.159	2.122	9.0	19.2	3 12	10 21.04	+ 5 22.0	1.639	2.605	6.4	18.3
3 22	10 14.25	- 5 15.3	1.188	2.119	12.8	19.4	3 22	10 14.61	+ 7 3.9	1.672	2.590	10.7	18.6
4 1	10 10.77	- 4 24.5	1.238	2.118	16.8	19.6	4 1	10 10.21	+ 8 33.6	1.729	2.575	14.5	18.8
<b>30335</b>	2000 <i>JU</i> <sub>28</sub>		2 25.9 163°34	3°5/22.1	18		<b>421362</b>	2013 <i>TF</i> <sub>128</sub>		2 25.9 268°56	3°4/22.7	17	
1 22	10 58.08	+19 52.2	2.538	3.364	10.5	18.5	1 22	10 56.45	+16 7.4	1.952	2.787	12.8	20.7
2 1	10 52.62	+20 32.7	2.465	3.367	7.9	18.4	2 1	10 51.93	+17 4.5	1.876	2.786	9.5	20.5
2 11	10 45.42	+21 13.7	2.418	3.370	5.2	18.2	2 11	10 45.28	+18 7.1	1.826	2.784	6.0	20.3
2 21	10 37.08	+21 50.1	2.400	3.373	3.6	18.1	2 21	10 37.13	+19 8.4	1.803	2.782	3.5	20.1
3 2	10 28.36	+22 17.1	2.412	3.376	4.7	18.2	3 2	10 28.41	+20 1.1	1.808	2.780	5.0	20.2
3 12	10 20.09	+22 31.2	2.454	3.378	7.3	18.3	3 12	10 20.20	+20 39.3	1.842	2.778	8.4	20.4
3 22	10 13.01	+22 31.1	2.522	3.380	10.0	18.5	3 22	10 13.42	+21 0.1	1.900	2.777	11.9	20.6
4 1	10 7.68	+22 16.9	2.613	3.382	12.3	18.7	4 1	10 8.76	+21 2.6	1.981	2.775	14.9	20.8
<b>83015</b>	2001 <i>QA</i> <sub>170</sub>		2 25.9 186°15	1°3/27.0	18		<b>300127</b>	2006 <i>VF</i> <sub>32</sub>		2 25.9 322°18	0°3/26.1	17	
1 22	10 57.63	+ 3 23.5	1.985	2.784	14.0	20.7	1 22	10 53.32	+ 6 13.7	2.104	2.918	12.8	20.8
2 1	10 52.72	+ 3 37.8	1.899	2.784	10.8	20.5	2 1	10 49.46	+ 6 37.0	2.013	2.909	9.7	20.6
2 11	10 45.72	+ 4 6.5	1.837	2.784	7.0	20.3	2 11	10 43.71	+ 7 12.4	1.946	2.900	6.1	20.3
2 21	10 37.24	+ 4 46.3	1.801	2.783	3.0	20.0	2 21	10 36.61	+ 7 56.3	1.906	2.891	2.1	20.1
3 2	10 28.16	+ 5 32.7	1.795	2.782	2.2	19.9	3 2	10 28.93	+ 8 43.6	1.895	2.882	2.0	20.0
3 12	10 19.54	+ 6 19.8	1.817	2.781	6.2	20.2	3 12	10 21.62	+ 9 28.9	1.912	2.874	6.1	20.3
3 22	10 12.26	+ 7 2.1	1.867	2.779	10.1	20.4	3 22	10 15.48	+10 7.3	1.956	2.866	9.8	20.5
4 1	10 7.04	+ 7 35.5	1.941	2.777	13.5	20.6	4 1	10 11.18	+10 35.2	2.024	2.858	13.1	20.7
<b>181395</b>	2006 <i>SY</i> <sub>92</sub>		2 25.9 277°05	1°0/26.7	17		<b>467525</b>	2007 <i>HL</i> <sub>97</sub>		2 25.9 282°7			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>145105</b>	2005 <i>GW</i> <sub>101</sub>		2 25.9 212°07'	2°8/23.5	18	R	<b>502315</b>	2015 <i>BB</i> <sub>155</sub>		2 25.9 339°44'	0°5/25.6	17	
1 22	10 59.85	+14 21.7	1.889	2.718	13.5	20.5	1 22	10 57.94	+9 59.2	1.663	2.492	15.0	20.4
2 1	10 54.58	+15 6.9	1.808	2.713	10.1	20.3	2 1	10 53.41	+9 56.8	1.579	2.483	11.3	20.2
2 11	10 46.98	+15 59.0	1.750	2.708	6.2	20.1	2 11	10 46.40	+10 3.4	1.517	2.475	7.0	19.9
2 21	10 37.73	+16 51.6	1.721	2.703	3.0	19.8	2 21	10 37.59	+10 15.2	1.481	2.467	2.3	19.6
3 2	10 27.82	+17 37.7	1.720	2.697	4.4	19.9	3 2	10 28.05	+10 27.3	1.473	2.460	2.7	19.6
3 12	10 18.42	+18 11.2	1.747	2.691	8.2	20.1	3 12	10 19.04	+10 34.6	1.492	2.454	7.5	19.9
3 22	10 10.54	+18 28.7	1.801	2.685	12.0	20.3	3 22	10 11.66	+10 33.6	1.537	2.448	11.9	20.1
4 1	10 4.94	+18 29.2	1.876	2.678	15.3	20.5	4 1	10 6.71	+10 22.0	1.603	2.443	15.7	20.3
<b>203995</b>	2003 <i>TO</i> <sub>12</sub>		2 25.9 214°39'	2°5/28.7	17		<b>427014</b>	2014 <i>SG</i> <sub>210</sub>		2 25.9 68°98'	5°1/21.4	18	
1 22	10 55.04	-1 51.8	2.633	3.399	11.9	21.9	1 22	10 58.22	+19 10.6	1.685	2.529	14.1	21.2
2 1	10 50.39	-1 37.0	2.531	3.391	9.4	21.7	2 1	10 53.40	+20 30.0	1.635	2.547	10.5	21.1
2 11	10 44.14	-1 7.8	2.452	3.383	6.6	21.5	2 11	10 46.20	+21 51.7	1.610	2.565	7.0	20.9
2 21	10 36.74	-0 25.7	2.402	3.374	3.7	21.3	2 21	10 37.46	+23 6.3	1.610	2.583	5.1	20.8
3 2	10 28.85	+0 26.2	2.382	3.364	2.6	21.2	3 2	10 28.28	+24 5.2	1.639	2.600	6.7	21.0
3 12	10 21.21	+1 23.1	2.392	3.354	5.0	21.3	3 12	10 19.90	+24 42.7	1.694	2.618	10.0	21.2
3 22	10 14.51	+2 20.3	2.431	3.344	8.0	21.5	3 22	10 13.28	+24 57.1	1.774	2.636	13.2	21.4
4 1	10 9.32	+3 13.1	2.495	3.332	10.9	21.7	4 1	10 9.08	+24 49.7	1.873	2.654	16.1	21.7
<b>322850</b>	2001 <i>TM</i> <sub>248</sub>		2 25.9 234°15'	4°1/22.3	17		<b>64104</b>	2001 <i>TG</i> <sub>4</sub>		2 25.9 355°13'	2°8/28.7	18	
1 22	11 1.60	+19 27.5	2.041	2.870	12.6	22.0	1 22	10 52.33	-1 23.0	2.015	2.804	14.2	19.1
2 1	10 55.81	+20 10.3	1.956	2.860	9.5	21.8	2 1	10 48.78	-1 9.9	1.928	2.802	11.2	18.9
2 11	10 47.72	+20 55.1	1.896	2.849	6.3	21.5	2 11	10 43.32	-0 38.8	1.863	2.800	7.8	18.6
2 21	10 37.98	+21 35.2	1.863	2.838	4.2	21.4	2 21	10 36.52	+0 8.2	1.825	2.799	4.3	18.4
3 2	10 27.57	+22 4.0	1.860	2.826	5.5	21.5	3 2	10 29.18	+1 6.7	1.814	2.798	3.0	18.3
3 12	10 17.66	+22 16.7	1.886	2.814	8.8	21.6	3 12	10 22.23	+2 10.7	1.832	2.798	5.9	18.5
3 22	10 9.23	+22 11.5	1.937	2.802	12.2	21.8	3 22	10 16.49	+3 13.6	1.876	2.798	9.5	18.7
4 1	10 3.05	+21 49.0	2.010	2.789	15.2	22.0	4 1	10 12.61	+4 9.7	1.945	2.798	12.8	18.9
<b>192425</b>	1997 <i>ST</i> <sub>35</sub>		2 25.9 56°52'	2°8/23.8	18		<b>434292</b>	2004 <i>BK</i> <sub>85</sub>		2 25.9 241°24'	9°7/16.3	18	
1 22	11 0.66	+16 13.3	1.900	2.729	13.4	20.0	1 22	10 56.04	+18 4.2	1.064	1.935	18.4	20.1
2 1	10 54.89	+16 32.4	1.839	2.745	9.9	19.9	2 1	10 53.42	+22 2.7	1.008	1.933	13.9	19.8
2 11	10 46.97	+16 54.5	1.803	2.760	6.2	19.7	2 11	10 47.15	+26 18.7	0.977	1.932	10.4	19.6
2 21	10 37.66	+17 14.1	1.794	2.776	3.0	19.5	2 21	10 38.02	+30 25.4	0.972	1.930	10.2	19.6
3 2	10 27.99	+17 25.9	1.814	2.791	4.2	19.6	3 2	10 27.55	+33 55.2	0.994	1.929	13.6	19.8
3 12	10 19.06	+17 26.4	1.862	2.807	7.7	19.8	3 12	10 17.83	+36 30.2	1.038	1.927	18.1	20.0
3 22	10 11.76	+17 14.1	1.937	2.823	11.2	20.1	3 22	10 10.64	+38 6.1	1.102	1.925	22.2	20.3
4 1	10 6.70	+16 49.1	2.034	2.840	14.1	20.3	4 1	10 7.18	+38 48.5	1.179	1.923	25.6	20.5
<b>330431</b>	2007 <i>DH</i> <sub>10</sub>		2 25.9 68°85'	0°2/25.8	18		<b>47455</b>	1999 <i>XK</i> <sub>227</sub>		2 25.9 155°60'	0°5/25.4	18	
1 22	10 54.94	+6 2.5	1.818	2.636	14.3	21.2	1 22	10 58.98	+8 2.6	2.158	2.965	12.8	20.7
2 1	10 50.87	+6 48.0	1.741	2.639	10.8	21.0	2 1	10 53.54	+8 41.5	2.080	2.974	9.6	20.5
2 11	10 44.66	+7 48.4	1.687	2.642	6.7	20.8	2 11	10 46.16	+9 31.0	2.028	2.982	5.9	20.3
2 21	10 36.95	+8 58.4	1.660	2.645	2.2	20.5	2 21	10 37.44	+10 26.3	2.003	2.989	1.9	20.0
3 2	10 28.66	+10 10.9	1.661	2.649	2.4	20.5	3 2	10 28.26	+11 21.7	2.010	2.995	2.4	20.1
3 12	10 20.89	+11 18.4	1.691	2.652	6.9	20.8	3 12	10 19.56	+12 11.4	2.046	3.001	6.3	20.3
3 22	10 14.54	+12 14.7	1.747	2.655	11.0	21.0	3 22	10 12.17	+12 51.1	2.109	3.006	9.9	20.6
4 1	10 10.32	+12 56.0	1.826	2.658	14.4	21.2	4 1	10 6.73	+13 18.3	2.197	3.011	13.0	20.8
<b>204609</b>	2005 <i>JO</i> <sub>46</sub>		2 25.9 301°84'	1°1/24.8	17		<b>519974</b>	2013 <i>TZ</i> <sub>166</sub>		2 25.9 149°33'	0°4/26.3	17	
1 22	10 54.59	+10 0.5	2.098	2.921	12.5	21.1	1 22	10 56.34	+5 50.2	2.173	2.978	12.8	22.3
2 1	10 50.43	+10 35.8	2.011	2.913	9.4	20.9	2 1	10 51.59	+6 15.1	2.091	2.982	9.7	22.1
2 11	10 44.32	+11 20.7	1.948	2.906	5.7	20.6	2 11	10 44.96	+6 51.7	2.035	2.986	6.1	21.9
2 21	10 36.84	+12 10.5	1.913	2.898	1.9	20.4	2 21	10 37.05	+7 36.2	2.006	2.990	2.2	21.6
3 2	10 28.79	+12 59.5	1.907	2.891	2.8	20.4	3 2	10 28.67	+8 23.7	2.006	2.994	2.0	21.6
3 12	10 21.12	+13 42.1	1.929	2.884	6.7	20.6	3 12	10 20.72	+9 8.9	2.036	2.997	5.9	21.9
3 22	10 14.69	+14 13.9	1.978	2.877	10.3	20.8	3 22	10 14.00	+9 47.2	2.093	3.000	9.5	22.1
4 1	10 10.15	+14 32.5	2.050	2.870	13.5	21.0	4 1	10 9.13	+10 15.5	2.175	3.003	12.6	22.3
<b>105193</b>	2000 <i>OY</i> <sub>37</sub>		2 25.9 153°65'	1°8/28.5	18		<b>236601</b>	2006 <i>JZ</i> <sub>16</sub>		2 25.9 94°31'	4°2/1.5	18	
1 22	10 52.71	-1 26.2	3.114	3.878	10.2	20.8	1 22	10 53.97	-6 35.9	2.175	2.931	14.3	20.8
2 1	10 48.35	-0 53.4	3.026	3.887	8.0	20.6	2 1	10 49.82	-6 28.3	2.093	2.940	11.6	20.7
2 11	10 42.72	-0 8.0	2.963	3.895	5.5	20.5	2 11	10 43.87	-6 0.5	2.033	2.949	8.6	20.5
2 21	10 36.24	+0 47.6	2.928	3.902	2.9	20.3	2 21	10 36.69	-5 13.9	1.999	2.958	5.6	20.3
3 2	10 29.46	+1 50.1	2.925	3.909	2.0	20.2	3 2	10 29.05	-4 12.1	1.992	2.967	4.2	20.2
3 12	10 22.95	+2 55.1	2.953	3.916	4.1	20.4	3 12	10 21.83	-3 0.7	2.015	2.976	5.9	20.4
3 22	10 17.25	+3 58.5	3.011	3.922	6.7	20.6	3 22	10 15.80	-1 46.6	2.065	2.984	8.9	20.5
4 1	10 12.79	+4 56.6	3.096	3.928	9.1	20.7	4 1	10 11.54	-0 35.9	2.140	2.993	11.8	20.8
<b>346874</b>	2009 <i>FR</i> <sub>49</sub>		2 25.9 29°72'	1°3/24.6	17		<b>86078</b>	1999 <i>RS</i> <sub>67</sub>		2 25.9 211°03'	2°2/27.6	18	
1 22	10 53.07	+9 47.4	2.019	2.846	12.8	20.6	1 22	10 59.68	+1 47.1	1.850	2.644	15.1	19.9
2 1	10 49.26	+10 36.8	1.947	2.851	9.5	20.3	2 1	10 54.50	+1 46.7	1.760	2.640	11.8	19.7
2 11	10 43.56	+11 36.3	1.899	2.858	5.7	20.1	2 11	10 46.99	+2 2.1	1.692	2.635	7.9	19.4
2 21	10 36.57	+12 40.5	1.879	2.864	2.0	19.9	2 21	10 37.79	+2 31.2	1.651	2.630	3.8	19.1
3 2	10 29.12	+13 42.8	1.887	2.871	3.0	20.0	3 2	10 27.87	+3 9.9	1.638	2.624	2.7	19.1
3 12	10 22.15	+14 37.1	1.924	2.878	6.8	20.2	3 12	10 18.38	+3 52.3	1.654	2.619	6.6	19.3
3 22	10 16.47	+15 18.9	1.988	2.886	10.3	20.5	3 22	10 10.35	+4 32.5	1.697	2.612	10.7	19.5
4 1	10 12.66	+15 45.7	2.074	2.893	13.4	20.7	4 1	10 4.58	+5 5.7	1.764	2.606	14.4	19.7
<b>190412</b>	1999 <i>TN</i> <sub>267</sub>		2 25.9 105°86'	4°1/29.6	18	R	<b>365223</b>	2009 <i>HW</i> <sub>84</sub>		2 25.9 328°32'	8°5/17.7	18	
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>336413</b>	2008 <i>UE</i> <sub>187</sub>		2 25.9 117°48'	3°1/29.2	18		<b>93374</b>	2000 <i>SK</i> <sub>270</sub>		2 25.9 264°00'	3°6/22.6	18	
1 22	10 54.40	- 3 1.3	2.261	3.031	13.4	21.3	1 22	10 57.44	+16 30.5	1.952	2.787	12.8	19.5
2 1	10 50.07	- 2 50.2	2.177	3.038	10.7	21.1	2 1	10 52.82	+17 26.2	1.867	2.775	9.6	19.3
2 11	10 44.00	- 2 22.0	2.116	3.045	7.5	20.9	2 11	10 45.95	+18 27.7	1.806	2.763	6.1	19.1
2 21	10 36.73	- 1 38.7	2.082	3.052	4.4	20.7	2 21	10 37.46	+19 28.1	1.773	2.752	3.7	18.9
3 2	10 29.02	- 0 43.8	2.077	3.058	3.2	20.6	3 2	10 28.28	+20 20.0	1.768	2.739	5.1	19.0
3 12	10 21.70	+ 0 17.1	2.101	3.064	5.5	20.8	3 12	10 19.53	+20 57.2	1.792	2.727	8.7	19.1
3 22	10 15.51	+ 1 18.3	2.153	3.071	8.7	21.0	3 22	10 12.19	+21 16.4	1.840	2.715	12.3	19.3
4 1	10 11.05	+ 2 14.7	2.230	3.077	11.6	21.2	4 1	10 7.03	+21 16.8	1.910	2.703	15.4	19.5
<b>22336</b>	1992 <i>EA</i> <sub>19</sub>		2 25.9 96°70'	1°6/24.3	18		<b>170929</b>	2005 <i>AK</i> <sub>8</sub>		2 25.9 337°75'	2°8/23.9	18	
1 22	10 55.64	+10 42.4	1.979	2.805	13.1	19.6	1 22	10 55.52	+12 0.6	1.320	2.171	16.8	19.8
2 1	10 51.23	+11 34.9	1.907	2.812	9.7	19.4	2 1	10 52.18	+12 52.5	1.246	2.163	12.6	19.5
2 11	10 44.81	+12 37.1	1.860	2.819	5.9	19.2	2 11	10 45.93	+13 57.9	1.194	2.156	7.7	19.2
2 21	10 37.02	+13 43.0	1.841	2.826	2.2	18.9	2 21	10 37.52	+15 8.4	1.165	2.150	3.2	18.9
3 2	10 28.75	+14 45.8	1.850	2.832	3.3	19.0	3 2	10 28.23	+16 13.8	1.162	2.144	4.9	19.0
3 12	10 20.99	+15 39.1	1.888	2.839	7.1	19.3	3 12	10 19.59	+17 4.5	1.185	2.139	10.0	19.3
3 22	10 14.59	+16 18.7	1.953	2.846	10.8	19.5	3 22	10 12.91	+17 34.5	1.230	2.135	14.8	19.5
4 1	10 10.20	+16 42.4	2.040	2.852	13.9	19.7	4 1	10 9.12	+17 41.8	1.294	2.131	18.9	19.8
<b>415833</b>	2001 <i>RF</i> <sub>28</sub>		2 25.9 124°27'	0°4/26.3	18		<b>135170</b>	2001 <i>QL</i> <sub>262</sub>		2 25.9 266°27'	1°7/27.5	18	
1 22	10 58.37	+ 5 19.0	2.189	2.988	12.9	22.2	1 22	10 57.12	+ 3 9.6	2.312	3.103	12.6	19.5
2 1	10 52.98	+ 5 51.8	2.118	3.006	9.7	22.1	2 1	10 52.17	+ 3 1.3	2.216	3.095	9.7	19.3
2 11	10 45.76	+ 6 36.5	2.072	3.022	6.1	21.9	2 11	10 45.37	+ 3 4.3	2.143	3.086	6.5	19.1
2 21	10 37.31	+ 7 29.0	2.054	3.038	2.2	21.6	2 21	10 37.24	+ 3 16.8	2.098	3.078	3.1	18.9
3 2	10 28.47	+ 8 24.0	2.067	3.054	1.9	21.6	3 2	10 28.55	+ 3 35.8	2.083	3.069	2.2	18.8
3 12	10 20.16	+ 9 15.9	2.109	3.069	5.8	21.9	3 12	10 20.18	+ 3 57.5	2.098	3.061	5.5	19.0
3 22	10 13.15	+10 0.1	2.179	3.083	9.3	22.2	3 22	10 12.94	+ 4 18.0	2.140	3.052	9.0	19.2
4 1	10 8.01	+10 33.6	2.274	3.097	12.3	22.4	4 1	10 7.46	+ 4 33.9	2.207	3.043	12.1	19.4
<b>434190</b>	2003 <i>AN</i> <sub>87</sub>		2 25.9 40°51'	8°2/ 4.5	18		<b>158546</b>	2002 <i>GO</i> <sub>122</sub>		2 25.9 42°64'	2°2/24.0	18	
1 22	10 56.59	-14 5.6	1.991	2.705	16.8	20.3	1 22	10 57.11	+12 54.5	1.877	2.708	13.4	20.0
2 1	10 51.98	-15 6.1	1.918	2.719	14.4	20.1	2 1	10 52.48	+13 33.9	1.803	2.709	10.0	19.8
2 11	10 45.31	-15 43.1	1.864	2.734	11.9	20.0	2 11	10 45.66	+14 21.0	1.752	2.711	6.1	19.6
2 21	10 37.20	-15 54.5	1.833	2.749	9.5	19.8	2 21	10 37.35	+15 9.8	1.729	2.713	2.6	19.3
3 2	10 28.56	-15 40.5	1.827	2.764	8.3	19.8	3 2	10 28.48	+15 53.8	1.735	2.715	3.8	19.4
3 12	10 20.40	-15 4.7	1.848	2.780	8.7	19.8	3 12	10 20.17	+16 27.2	1.768	2.717	7.7	19.7
3 22	10 13.63	-14 13.5	1.894	2.796	10.5	20.0	3 22	10 13.33	+16 46.5	1.827	2.720	11.4	19.9
4 1	10 8.90	-13 14.5	1.963	2.813	12.9	20.2	4 1	10 8.65	+16 50.3	1.909	2.722	14.6	20.1
<b>82022</b>	2000 <i>SQ</i> <sub>29</sub>		2 25.9 220°51'	1°8/28.1	18		<b>195036</b>	2002 <i>CO</i> <sub>54</sub>		2 25.9 76°62'	1°7/27.2	18	
1 22	10 52.49	- 0 10.2	2.534	3.315	11.9	19.8	1 22	11 0.81	+ 2 32.5	1.450	2.260	17.7	20.1
2 1	10 48.54	+ 0 19.2	2.439	3.311	9.3	19.7	2 1	10 55.51	+ 2 48.6	1.393	2.284	13.6	19.9
2 11	10 43.03	+ 1 3.3	2.369	3.308	6.2	19.5	2 11	10 47.60	+ 3 23.8	1.358	2.307	8.8	19.7
2 21	10 36.42	+ 1 59.5	2.327	3.304	3.1	19.2	2 21	10 37.98	+ 4 13.6	1.348	2.330	3.8	19.4
3 2	10 29.36	+ 3 3.7	2.314	3.300	2.1	19.2	3 2	10 27.90	+ 5 10.9	1.366	2.353	2.7	19.4
3 12	10 22.60	+ 4 10.7	2.332	3.296	4.9	19.3	3 12	10 18.72	+ 6 7.6	1.410	2.376	7.3	19.8
3 22	10 16.79	+ 5 15.3	2.378	3.292	8.1	19.5	3 22	10 11.52	+ 6 56.7	1.480	2.398	11.8	20.1
4 1	10 12.49	+ 6 12.9	2.450	3.288	11.0	19.7	4 1	10 6.98	+ 7 33.4	1.572	2.420	15.6	20.4
<b>522598</b>	2016 <i>EX</i> <sub>247</sub>		2 25.9 225°52'	2°9/23.2	17		<b>336681</b>	2010 <i>AB</i> <sub>44</sub>		2 25.9 121°36'	4°8/ 1.1	17	
1 22	10 57.00	+15 5.9	2.021	2.852	12.6	21.6	1 22	10 57.56	- 5 23.0	2.119	2.876	14.6	20.4
2 1	10 52.31	+15 55.7	1.942	2.849	9.4	21.3	2 1	10 52.62	- 5 52.3	2.032	2.879	11.9	20.3
2 11	10 45.53	+16 51.6	1.889	2.847	5.8	21.1	2 11	10 45.68	- 6 4.1	1.966	2.881	8.9	20.1
2 21	10 37.28	+17 47.1	1.863	2.844	3.1	20.9	2 21	10 37.35	- 5 58.2	1.927	2.884	6.0	19.9
3 2	10 28.48	+18 35.7	1.866	2.841	4.4	21.0	3 2	10 28.46	- 5 36.6	1.916	2.887	4.8	19.8
3 12	10 20.16	+19 11.7	1.898	2.838	7.9	21.2	3 12	10 19.96	- 5 3.2	1.933	2.889	6.5	19.9
3 22	10 13.21	+19 31.9	1.955	2.835	11.4	21.4	3 22	10 12.72	- 4 23.4	1.977	2.892	9.5	20.1
4 1	10 8.31	+19 35.4	2.035	2.832	14.4	21.6	4 1	10 7.41	- 3 42.9	2.045	2.894	12.4	20.3
<b>274593</b>	2008 <i>TU</i> <sub>28</sub>		2 25.9 190°82'	2°5/28.3	17		<b>383750</b>	2007 <i>VS</i> <sub>117</sub>		2 25.9 25°81'	6°9/18.7	18	
1 22	10 56.38	- 0 10.9	2.195	2.976	13.4	20.7	1 22	10 58.34	+28 39.9	2.168	3.002	11.7	20.5
2 1	10 51.66	- 0 6.5	2.105	2.976	10.6	20.5	2 1	10 53.28	+29 49.8	2.108	3.003	9.4	20.3
2 11	10 45.05	+ 0 12.9	2.038	2.975	7.2	20.2	2 11	10 46.09	+30 54.3	2.072	3.004	7.4	20.2
2 21	10 37.12	+ 0 45.7	1.998	2.973	3.9	20.0	2 21	10 37.47	+31 45.8	2.064	3.005	6.9	20.2
3 2	10 28.64	+ 1 28.2	1.988	2.972	2.7	19.9	3 2	10 28.38	+32 17.6	2.082	3.006	8.2	20.3
3 12	10 20.54	+ 2 15.3	2.006	2.970	5.7	20.1	3 12	10 19.88	+32 26.6	2.128	3.008	10.5	20.4
3 22	10 13.63	+ 3 1.8	2.053	2.968	9.1	20.3	3 22	10 12.89	+32 12.5	2.196	3.009	12.9	20.6
4 1	10 8.54	+ 3 42.9	2.124	2.966	12.3	20.5	4 1	10 8.02	+31 37.7	2.285	3.010	15.1	20.7
<b>91100</b>	1998 <i>HK</i> <sub>14</sub>		2 25.9 278°47'	13°6/ 7.7	18		<b>258105</b>	2001 <i>QJ</i> <sub>187</sub>		2 25.9 114°86'	5°7/ 2.6	18	
1 22	11 5.78	+48 15.3	1.948	2.737	14.6	18.9	1 22	10 58.60	- 9 57.5	2.165	2.893	15.2	20.9
2 1	11 0.08	+50 20.1	1.908	2.726	13.8	18.8	2 1	10 53.26	-10 17.1	2.089	2.911	12.6	20.8
2 11	10 50.89	+52 3.7	1.890	2.716	13.7	18.7	2 11	10 45.99	-10 15.7	2.034	2.929	9.8	20.6
2 21	10 39.18	+53 14.9	1.893	2.705	14.3	18.8	2 21	10 37.43	- 9 53.1	2.004	2.946	7.1	20.5
3 2	10 26.53	+53 45.8	1.917	2.694	15.6	18.8	3 2	10 28.43	- 9 11.5	2.003	2.963	5.8	20.4
3 12	10 14.87	+53 35.1	1.960	2.683	17.1	18.9	3 12	10 19.92	- 8 15.9	2.029	2.979	6.8	20.5
3 22	10 5.72	+52 46.5	2.019	2.673	18.6	19.0	3 22	10 12.72	- 7 12.7	2.084	2.995	9.3	20.7
4 1	10 0.03	+51 26.8	2.091	2.662	20.0	19.1	4 1	10 7.44	- 6 8.5	2.163	3.010	11.9	20.9
<b>273217</b>	2006 <i>JJ</i> <sub>37</sub>		2 25.9 26°52'	5°5/ 2.6	18		<b>201827</b>	2003 <i>YG</i> <sub>30</sub>		2 25			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>386502</b>	2009 <i>BJ</i> <sub>47</sub>		2 25.9 294°94	1°2/27.0	17		<b>158225</b>	2001 <i>SB</i> <sub>202</sub>		2 25.9 159°16	1°9/24.4	18	
1 22	10 56.33	+ 4 38.7	2.250	3.049	12.6	20.8	1 22	11 1.62	+11 16.9	1.841	2.661	14.1	21.4
2 1	10 51.61	+ 4 37.3	2.157	3.043	9.7	20.6	2 1	10 55.88	+12 5.8	1.768	2.669	10.5	21.1
2 11	10 45.03	+ 4 46.6	2.089	3.036	6.3	20.4	2 11	10 47.81	+13 4.3	1.719	2.676	6.4	20.9
2 21	10 37.14	+ 5 4.6	2.048	3.030	2.7	20.1	2 21	10 38.12	+14 6.1	1.697	2.682	2.4	20.7
3 2	10 28.71	+ 5 27.6	2.037	3.024	2.0	20.1	3 2	10 27.85	+15 3.7	1.705	2.687	3.6	20.7
3 12	10 20.63	+ 5 51.7	2.055	3.018	5.6	20.3	3 12	10 18.18	+15 50.6	1.742	2.692	7.8	21.0
3 22	10 13.71	+ 6 12.8	2.101	3.012	9.2	20.5	3 22	10 10.13	+16 22.5	1.806	2.695	11.7	21.2
4 1	10 8.58	+ 6 27.7	2.171	3.007	12.3	20.7	4 1	10 4.40	+16 38.0	1.892	2.698	15.0	21.5
<b>202041</b>	2004 <i>RS</i> <sub>108</sub>		2 25.9 276°72	2°3/27.4	18		<b>265749</b>	2005 <i>VQ</i> <sub>31</sub>		2 25.9 140°69	3°7/22.4	18	
1 22	11 0.10	+ 2 59.1	1.470	2.283	17.4	20.4	1 22	10 58.23	+17 10.8	1.982	2.815	12.7	21.3
2 1	10 55.37	+ 2 49.8	1.387	2.278	13.6	20.2	2 1	10 53.24	+18 9.3	1.913	2.820	9.5	21.1
2 11	10 47.83	+ 2 58.1	1.325	2.273	9.0	19.9	2 11	10 46.12	+19 12.0	1.868	2.825	6.1	20.9
2 21	10 38.19	+ 3 21.5	1.287	2.268	4.2	19.6	2 21	10 37.54	+20 11.7	1.852	2.829	3.8	20.7
3 2	10 27.65	+ 3 55.4	1.276	2.263	3.0	19.5	3 2	10 28.44	+21 1.4	1.864	2.833	5.2	20.8
3 12	10 17.66	+ 4 32.8	1.292	2.258	7.8	19.8	3 12	10 19.91	+21 35.7	1.904	2.837	8.5	21.0
3 22	10 9.52	+ 5 7.1	1.332	2.253	12.6	20.0	3 22	10 12.85	+21 52.1	1.970	2.841	11.8	21.3
4 1	10 4.14	+ 5 32.6	1.394	2.248	16.8	20.3	4 1	10 7.91	+21 50.4	2.058	2.844	14.6	21.5
<b>205288</b>	2000 <i>SX</i> <sub>203</sub>		2 25.9 257°80	1°7/24.6	17		<b>303244</b>	2004 <i>QQ</i> <sub>4</sub>		2 25.9 204°34	2°3/27.9	18	
1 22	10 59.69	+10 42.6	1.716	2.542	14.7	20.6	1 22	11 1.11	+ 0 27.3	2.169	2.945	13.8	21.8
2 1	10 54.89	+11 24.7	1.620	2.524	11.1	20.3	2 1	10 55.32	+ 0 34.2	2.070	2.939	10.8	21.6
2 11	10 47.48	+12 19.0	1.548	2.506	6.9	20.1	2 11	10 47.44	+ 0 56.2	1.995	2.932	7.3	21.4
2 21	10 38.08	+13 19.6	1.502	2.487	2.5	19.7	2 21	10 38.01	+ 1 31.5	1.947	2.924	3.7	21.1
3 2	10 27.74	+14 18.7	1.484	2.468	3.7	19.8	3 2	10 27.90	+ 2 16.4	1.930	2.915	2.6	21.0
3 12	10 17.74	+15 8.5	1.495	2.448	8.4	20.0	3 12	10 18.13	+ 3 5.5	1.942	2.905	6.0	21.2
3 22	10 9.30	+15 43.4	1.531	2.428	12.9	20.2	3 22	10 9.60	+ 3 53.3	1.983	2.893	9.7	21.4
4 1	10 3.34	+16 0.6	1.589	2.407	16.9	20.4	4 1	10 3.06	+ 4 35.1	2.050	2.881	13.1	21.6
<b>68928</b>	2002 <i>NG</i> <sub>33</sub>		2 25.9 122°56	3°1/29.1	18		<b>334873</b>	2003 <i>UV</i> <sub>201</sub>		2 25.9 103°98	5°9/2.9	18	
1 22	10 56.03	- 2 21.7	2.370	3.137	13.0	19.0	1 22	10 55.74	-10 33.0	2.241	2.969	14.8	21.1
2 1	10 51.23	- 2 27.4	2.286	3.145	10.3	18.8	2 1	10 51.15	-10 54.2	2.158	2.979	12.3	21.0
2 11	10 44.71	- 2 18.2	2.225	3.153	7.3	18.7	2 11	10 44.74	-10 54.8	2.097	2.989	9.7	20.8
2 21	10 37.03	- 1 55.4	2.191	3.160	4.4	18.5	2 21	10 37.07	-10 34.4	2.060	2.998	7.2	20.7
3 2	10 28.91	- 1 21.8	2.187	3.167	3.2	18.4	3 2	10 28.91	- 9 54.9	2.050	3.008	5.9	20.6
3 12	10 21.18	- 0 41.7	2.212	3.174	5.4	18.6	3 12	10 21.17	- 9 0.8	2.069	3.018	6.8	20.7
3 22	10 14.57	+ 0 0.2	2.265	3.180	8.4	18.8	3 22	10 14.61	- 7 58.1	2.114	3.027	9.1	20.8
4 1	10 9.64	+ 0 39.3	2.343	3.187	11.2	19.0	4 1	10 9.85	- 6 53.4	2.185	3.036	11.7	21.0
<b>162559</b>	2000 <i>RY</i> <sub>21</sub>		2 25.9 245°29	3°2/28.5	18		<b>19413</b>	Grantlewis		2 25.9 97°44	3°0/28.5	18	
1 22	10 58.12	- 1 16.6	1.762	2.549	16.0	20.3	1 22	10 57.77	- 1 39.6	1.629	2.421	16.9	18.5
2 1	10 53.58	- 1 9.9	1.663	2.537	12.7	20.1	2 1	10 53.17	- 1 20.5	1.559	2.435	13.3	18.3
2 11	10 46.61	- 0 43.0	1.586	2.523	8.9	19.8	2 11	10 46.19	- 0 39.4	1.510	2.448	9.1	18.0
2 21	10 37.78	+ 0 2.8	1.535	2.509	4.8	19.5	2 21	10 37.58	+ 0 20.8	1.486	2.462	4.8	17.8
3 2	10 28.07	+ 1 3.2	1.511	2.495	3.4	19.4	3 2	10 28.41	+ 1 33.8	1.490	2.475	3.3	17.8
3 12	10 18.68	+ 2 11.0	1.515	2.480	7.0	19.6	3 12	10 19.89	+ 2 51.1	1.521	2.488	6.8	18.0
3 22	10 10.73	+ 3 18.5	1.546	2.465	11.3	19.8	3 22	10 13.03	+ 4 4.6	1.579	2.500	11.0	18.3
4 1	10 5.11	+ 4 18.6	1.600	2.449	15.3	20.0	4 1	10 8.55	+ 5 7.6	1.660	2.512	14.7	18.5
<b>294550</b>	2007 <i>YJ</i> <sub>20</sub>		2 25.9 157°92	3°1/22.1	17		<b>343061</b>	2009 <i>CM</i> <sub>24</sub>		2 25.9 335°92	0°6/25.3	18	
1 22	10 54.42	+17 19.9	2.581	3.410	10.3	21.0	1 22	10 52.54	+ 7 11.7	2.180	2.996	12.3	20.8
2 1	10 49.97	+18 22.2	2.507	3.413	7.6	20.8	2 1	10 48.84	+ 8 6.1	2.096	2.994	9.2	20.6
2 11	10 43.91	+19 27.8	2.461	3.416	4.9	20.6	2 11	10 43.36	+ 9 12.8	2.036	2.992	5.7	20.4
2 21	10 36.75	+20 31.2	2.443	3.419	3.2	20.5	2 21	10 36.62	+10 27.0	2.005	2.991	1.8	20.1
3 2	10 29.20	+21 26.7	2.455	3.421	4.4	20.6	3 2	10 29.38	+11 42.3	2.003	2.989	2.4	20.2
3 12	10 22.02	+22 10.0	2.497	3.424	7.0	20.8	3 12	10 22.50	+12 52.2	2.031	2.988	6.2	20.4
3 22	10 15.90	+22 38.4	2.565	3.426	9.7	21.0	3 22	10 16.77	+13 51.4	2.085	2.986	9.8	20.6
4 1	10 11.36	+22 51.3	2.656	3.428	12.1	21.1	4 1	10 12.78	+14 36.5	2.164	2.985	12.9	20.8
<b>432233</b>	2009 <i>HZ</i> <sub>89</sub>		2 25.9 304°67	3°6/1.0	17		<b>455367</b>	2002 <i>TF</i> <sub>171</sub>		2 25.9 207°39	4°0/28.9	18	
1 22	10 50.91	- 5 49.0	2.263	3.026	13.6	20.9	1 22	11 1.79	- 2 50.3	1.825	2.596	16.1	22.0
2 1	10 47.65	- 5 20.7	2.157	3.011	11.1	20.7	2 1	10 56.23	- 3 0.8	1.729	2.591	13.0	21.7
2 11	10 42.65	- 4 31.4	2.074	2.997	8.1	20.4	2 11	10 48.20	- 2 51.7	1.656	2.584	9.3	21.5
2 21	10 36.38	- 3 22.6	2.017	2.982	5.0	20.2	2 21	10 38.32	- 2 23.8	1.608	2.577	5.6	21.2
3 2	10 29.53	- 1 58.2	1.989	2.968	3.6	20.1	3 2	10 27.60	- 1 40.1	1.588	2.568	4.1	21.1
3 12	10 22.94	- 0 24.5	1.990	2.954	5.6	20.2	3 12	10 17.25	- 0 46.5	1.597	2.559	7.0	21.3
3 22	10 17.36	+ 1 10.9	2.018	2.940	8.9	20.4	3 22	10 8.40	+ 0 9.9	1.633	2.549	11.0	21.5
4 1	10 13.44	+ 2 41.2	2.073	2.927	12.1	20.5	4 1	10 1.90	+ 1 2.3	1.693	2.538	14.8	21.7
<b>374101</b>	2004 <i>RO</i> <sub>289</sub>		2 25.9 227°09	5°1/20.2	17		<b>322897</b>	2001 <i>YH</i> <sub>3</sub>		2 25.9 123°99	0°8/25.1	18	
1 22	11 0.35	+24 9.2	2.483	3.308	10.7	21.6	1 22	10 57.99	+ 8 23.8	2.370	3.176	11.8	21.9
2 1	10 54.64	+25 13.1	2.397	3.295	8.3	21.5	2 1	10 52.60	+ 9 14.4	2.303	3.196	8.8	21.7
2 11	10 46.93	+26 16.1	2.338	3.281	6.1	21.3	2 11	10 45.50	+10 14.3	2.261	3.216	5.3	21.5
2 21	10 37.81	+27 11.5	2.308	3.266	5.1	21.2	2 21	10 37.29	+11 18.5	2.249	3.234	1.7	21.3
3 2	10 28.09	+27 53.2	2.308	3.251	6.4	21.3	3 2	10 28.74	+12 21.4	2.268	3.253	2.3	21.4
3 12	10 18.74	+28 16.8	2.336	3.235	8.8	21.4	3 12	10 20.68	+13 17.6	2.317	3.270	5.9	21.7
3 22	10 10.62	+28 21.0	2.390	3.218	11.5	21.5	3 22	10 13.83	+14 3.3	2.394	3.287	9.1	21.9
4 1	10 4.40	+28 6.3	2.466	3.201	13.8	21.7	4 1	10 8.72	+14 36.2	2.497	3.303	11.8	22.1
<b>147589</b>	2004 <i>GG</i>		2 25.9 239°86	1°4/24.2	17		<b>203534</b>	2002 <i>CR</i> <sub>16</sub>		2 25.9 150°00	0°7/26.5	18	



EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>334806</b>	2003 <i>SR</i> <sub>285</sub>		2 25.9 236°51	1°9/27.8	17		<b>294059</b>	2007 <i>TP</i> <sub>157</sub>		2 25.9 39°58	7°3/5.1	18	
1 22	10 55.82	+ 1 8.9	2.282	3.068	12.9	21.3	1 22	10 52.39	-14 41.3	1.863	2.586	17.5	19.9
2 1	10 51.27	+ 1 20.2	2.184	3.059	10.0	21.1	2 1	10 48.94	-14 48.8	1.793	2.604	14.9	19.8
2 11	10 44.87	+ 1 45.8	2.109	3.050	6.8	20.8	2 11	10 43.49	-14 28.0	1.743	2.623	11.9	19.6
2 21	10 37.15	+ 2 23.4	2.062	3.040	3.3	20.6	2 21	10 36.69	-13 38.5	1.714	2.643	9.2	19.5
3 2	10 28.84	+ 3 9.4	2.044	3.030	2.3	20.5	3 2	10 29.44	-12 23.5	1.712	2.663	7.5	19.4
3 12	10 20.82	+ 3 58.7	2.056	3.020	5.5	20.7	3 12	10 22.74	-10 49.8	1.735	2.683	7.9	19.5
3 22	10 13.91	+ 4 46.2	2.095	3.009	9.1	20.9	3 22	10 17.43	- 9 6.6	1.785	2.704	10.0	19.7
4 1	10 8.75	+ 5 27.4	2.160	2.998	12.3	21.1	4 1	10 14.11	- 7 23.3	1.860	2.725	12.7	19.9
<b>80440</b>	1999 <i>XY</i> <sub>263</sub>		2 25.9 91°59	2°4/24.5	18		<b>224633</b>	2005 <i>YS</i> <sub>162</sub>		2 25.9 83°43	1°1/24.9	18	
1 22	11 5.70	+13 9.8	1.384	2.218	17.2	19.2	1 22	10 57.36	+ 9 5.8	1.897	2.717	13.7	20.7
2 1	10 59.38	+13 36.3	1.329	2.236	12.8	19.0	2 1	10 52.50	+ 9 55.8	1.837	2.738	10.2	20.5
2 11	10 50.10	+14 10.8	1.295	2.254	7.8	18.8	2 11	10 45.60	+10 56.3	1.801	2.758	6.2	20.3
2 21	10 38.89	+14 46.0	1.287	2.272	3.1	18.5	2 21	10 37.38	+12 1.5	1.793	2.778	2.1	20.0
3 2	10 27.17	+15 14.0	1.307	2.289	4.3	18.7	3 2	10 28.77	+13 4.3	1.814	2.798	2.9	20.1
3 12	10 16.53	+15 28.8	1.353	2.306	9.1	19.0	3 12	10 20.79	+13 58.3	1.864	2.818	6.9	20.4
3 22	10 8.17	+15 28.0	1.424	2.323	13.6	19.3	3 22	10 14.30	+14 39.3	1.940	2.838	10.6	20.7
4 1	10 2.82	+15 11.4	1.516	2.339	17.3	19.6	4 1	10 9.89	+15 5.0	2.039	2.857	13.7	20.9
<b>306073</b>	2010 <i>GR</i> <sub>109</sub>		2 25.9 181°68	1°3/24.7	18		<b>271644</b>	2004 <i>PQ</i> <sub>101</sub>		2 25.9 140°78	0°8/25.1	16	
1 22	11 0.01	+ 9 44.5	2.103	2.915	12.9	22.1	1 22	10 59.39	+10 23.8	2.585	3.389	11.0	21.3
2 1	10 54.50	+10 35.5	2.019	2.916	9.6	21.9	2 1	10 53.54	+10 48.1	2.510	3.403	8.2	21.1
2 11	10 46.90	+11 36.8	1.961	2.917	5.9	21.7	2 11	10 46.06	+11 18.8	2.462	3.416	5.0	20.9
2 21	10 37.83	+12 43.0	1.932	2.917	2.0	21.4	2 21	10 37.51	+11 52.1	2.443	3.428	1.7	20.7
3 2	10 28.19	+13 47.4	1.933	2.916	3.0	21.5	3 2	10 28.62	+12 24.0	2.456	3.440	2.2	20.8
3 12	10 18.99	+14 43.6	1.963	2.914	6.9	21.7	3 12	10 20.18	+12 50.4	2.499	3.451	5.5	21.0
3 22	10 11.14	+15 27.2	2.022	2.911	10.6	21.9	3 22	10 12.87	+13 8.8	2.570	3.462	8.6	21.2
4 1	10 5.31	+15 55.8	2.103	2.908	13.8	22.1	4 1	10 7.23	+13 17.5	2.667	3.471	11.2	21.4
<b>249530</b>	<i>Ericrice</i>		2 25.9 225°71	1°9/24.1	18		<b>392477</b>	2011 <i>GA</i> <sub>52</sub>		2 25.9 125°79	4°6/2.4	18	
1 22	10 58.79	+11 4.2	2.024	2.843	13.0	21.9	1 22	10 54.03	- 9 23.1	2.276	3.013	14.3	21.2
2 1	10 53.80	+12 3.0	1.931	2.832	9.8	21.6	2 1	10 49.86	- 9 0.0	2.191	3.023	11.8	21.0
2 11	10 46.60	+13 12.7	1.863	2.820	6.0	21.4	2 11	10 43.94	- 8 14.8	2.127	3.032	8.9	20.8
2 21	10 37.77	+14 27.3	1.822	2.807	2.4	21.1	2 21	10 36.84	- 7 8.8	2.089	3.041	6.1	20.7
3 2	10 28.21	+15 39.3	1.812	2.793	3.6	21.2	3 2	10 29.30	- 5 45.9	2.080	3.050	4.6	20.6
3 12	10 18.99	+16 41.5	1.831	2.779	7.6	21.4	3 12	10 22.15	- 4 12.4	2.100	3.059	5.9	20.7
3 22	10 11.10	+17 29.0	1.877	2.763	11.5	21.6	3 22	10 16.14	- 2 35.8	2.148	3.067	8.6	20.9
4 1	10 5.30	+17 59.2	1.946	2.747	14.8	21.8	4 1	10 11.84	- 1 3.1	2.223	3.075	11.5	21.1
<b>117599</b>	2005 <i>EL</i> <sub>69</sub>		2 25.9 287°55	1°3/26.9	17 R		<b>282806</b>	2006 <i>QN</i> <sub>141</sub>		2 25.9 178°34	1°9/27.9	17	
1 22	10 56.74	+ 3 33.8	1.611	2.425	16.1	20.0	1 22	10 55.94	+ 1 16.0	2.603	3.382	11.6	20.9
2 1	10 52.78	+ 3 49.5	1.515	2.408	12.5	19.8	2 1	10 51.08	+ 1 16.2	2.512	3.383	9.1	20.8
2 11	10 46.24	+ 4 23.2	1.441	2.391	8.2	19.5	2 11	10 44.62	+ 1 27.9	2.446	3.383	6.1	20.6
2 21	10 37.73	+ 5 11.8	1.391	2.374	3.4	19.1	2 21	10 37.07	+ 1 49.6	2.407	3.384	3.1	20.4
3 2	10 28.25	+ 6 9.7	1.369	2.357	2.5	19.0	3 2	10 29.08	+ 2 18.3	2.399	3.384	2.2	20.3
3 12	10 19.13	+ 7 8.9	1.374	2.340	7.5	19.3	3 12	10 21.42	+ 2 50.2	2.421	3.384	4.9	20.5
3 22	10 11.55	+ 8 2.0	1.405	2.323	12.3	19.5	3 22	10 14.75	+ 3 21.4	2.471	3.383	7.9	20.7
4 1	10 6.45	+ 8 43.1	1.457	2.306	16.5	19.7	4 1	10 9.63	+ 3 48.6	2.547	3.383	10.7	20.9
<b>89808</b>	2002 <i>AC</i> <sub>162</sub>		2 25.9 254°91	0°2/26.2	18		<b>316631</b>	2011 <i>WY</i> <sub>114</sub>		2 25.9 129°95	3°5/21.2	18	
1 22	10 53.59	+ 6 13.5	2.577	3.381	11.1	20.1	1 22	10 53.81	+20 38.1	2.954	3.782	9.1	20.7
2 1	10 49.38	+ 6 39.0	2.483	3.374	8.4	19.9	2 1	10 49.35	+21 35.3	2.886	3.789	6.8	20.5
2 11	10 43.60	+ 7 14.4	2.415	3.366	5.3	19.7	2 11	10 43.47	+22 33.0	2.846	3.796	4.6	20.4
2 21	10 36.71	+ 7 56.6	2.374	3.359	1.9	19.4	2 21	10 36.66	+23 26.2	2.835	3.803	3.5	20.3
3 2	10 29.36	+ 8 41.6	2.364	3.351	1.7	19.4	3 2	10 29.52	+24 10.5	2.854	3.810	4.6	20.4
3 12	10 22.31	+ 9 24.7	2.383	3.344	5.2	19.6	3 12	10 22.74	+24 42.4	2.903	3.817	6.7	20.5
3 22	10 16.21	+10 2.2	2.431	3.336	8.4	19.8	3 22	10 16.91	+25 0.2	2.978	3.823	9.0	20.7
4 1	10 11.62	+10 31.1	2.504	3.328	11.2	20.0	4 1	10 12.48	+25 3.9	3.076	3.829	11.0	20.8
<b>459606</b>	2013 <i>HM</i> <sub>31</sub>		2 25.9 72°24	3°7/28.6	18		<b>325199</b>	2008 <i>FA</i> <sub>125</sub>		2 25.9 230°07	1°3/24.6	17	
1 22	10 59.66	- 0 45.4	1.501	2.300	17.8	21.5	1 22	10 57.05	+ 9 59.4	2.397	3.208	11.5	21.9
2 1	10 54.80	- 0 59.3	1.432	2.310	14.1	21.3	2 1	10 52.19	+10 49.8	2.297	3.194	8.6	21.7
2 11	10 47.32	- 0 52.5	1.383	2.321	9.7	21.1	2 11	10 45.47	+11 49.9	2.224	3.180	5.3	21.5
2 21	10 38.01	- 0 26.8	1.358	2.333	5.4	20.8	2 21	10 37.40	+12 54.9	2.180	3.165	1.9	21.2
3 2	10 28.07	+ 0 13.4	1.360	2.344	3.9	20.8	3 2	10 28.72	+13 59.2	2.166	3.149	2.8	21.3
3 12	10 18.83	+ 1 1.0	1.389	2.355	7.4	21.0	3 12	10 20.30	+14 56.9	2.183	3.132	6.4	21.5
3 22	10 11.43	+ 1 48.5	1.443	2.366	11.7	21.3	3 22	10 12.96	+15 43.5	2.227	3.115	9.8	21.6
4 1	10 6.65	+ 2 29.6	1.519	2.377	15.5	21.5	4 1	10 7.34	+16 16.5	2.296	3.097	12.8	21.8
<b>147949</b>	4284 <i>T</i> <sub>-30</sub>		2 25.9 105°46	1°6/24.5	18		<b>52882</b>	1998 <i>ST</i> <sub>53</sub>		2 25.9 73°65	0°2/26.1	18	
1 22	10 58.20	+10 25.2	1.838	2.662	14.0	20.2	1 22	11 2.95	+ 7 26.3	1.613	2.428	16.0	18.7
2 1	10 53.26	+11 17.2	1.773	2.676	10.4	20.0	2 1	10 56.86	+ 7 36.0	1.559	2.455	12.0	18.5
2 11	10 46.14	+12 19.4	1.732	2.690	6.3	19.8	2 11	10 48.36	+ 7 57.8	1.527	2.481	7.4	18.3
2 21	10 37.58	+13 25.3	1.718	2.703	2.3	19.6	2 21	10 38.31	+ 8 26.9	1.523	2.508	2.5	18.1
3 2	10 28.54	+14 27.7	1.733	2.716	3.4	19.7	3 2	10 27.92	+ 8 57.4	1.546	2.534	2.4	18.1
3 12	10 20.13	+15 19.8	1.777	2.729	7.4	20.0	3 12	10 18.44	+ 9 23.7	1.598	2.560	7.1	18.5
3 22	10 13.26	+15 57.5	1.847	2.741	11.2	20.2	3 22	10 10.84	+ 9 41.6	1.676	2.585	11.2	18.8
4 1	10 8.57	+16 18.7	1.939	2.753	14.4	20.5	4 1	10 5.77	+ 9 48.7	1.777	2.611	14.7	19.1
<b>262108</b>	2006 <i>RB</i> <sub>122</sub>		2 25.9 62°17										

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>302161</b>	2001 <i>SH</i> <sub>322</sub>		2 25.9 148°18'	1.8°/27.4	18		<b>348874</b>	2006 <i>SM</i> <sub>199</sub>		2 25.9 198°09'	0.1°/25.9	17	
1 22	11 1.29	+ 2 5.8	1.824	2.617	15.3	22.0	1 22	10 54.63	+ 6 54.7	2.839	3.638	10.3	22.4
2 1	10 55.65	+ 2 21.1	1.747	2.627	11.9	21.8	2 1	10 50.02	+ 7 22.6	2.747	3.635	7.7	22.2
2 11	10 47.71	+ 2 52.9	1.692	2.637	7.8	21.6	2 11	10 43.94	+ 7 59.1	2.681	3.632	4.8	22.1
2 21	10 38.17	+ 3 37.9	1.665	2.645	3.5	21.4	2 21	10 36.86	+ 8 41.2	2.643	3.628	1.6	21.8
3 2	10 28.04	+ 4 30.8	1.666	2.653	2.4	21.3	3 2	10 29.38	+ 9 25.0	2.637	3.624	1.6	21.8
3 12	10 18.50	+ 5 24.8	1.697	2.660	6.5	21.6	3 12	10 22.18	+10 6.5	2.661	3.620	4.9	22.0
3 22	10 10.53	+ 6 14.0	1.754	2.667	10.6	21.8	3 22	10 15.87	+10 42.2	2.714	3.615	7.8	22.2
4 1	10 4.85	+ 6 53.6	1.836	2.673	14.2	22.1	4 1	10 10.96	+11 9.6	2.793	3.609	10.4	22.4
<b>354955</b>	2006 <i>FD</i> <sub>37</sub>		2 25.9 296°31'	4.9°/22.6	18		<b>464935</b>	2005 <i>UW</i> <sub>234</sub>		2 25.9 104°02'	7.1°/19.0	18	
1 22	11 0.61	+17 43.6	1.421	2.268	16.0	20.3	1 22	11 2.33	+28 17.1	2.035	2.866	12.5	21.4
2 1	10 56.21	+18 33.0	1.332	2.246	12.2	20.0	2 1	10 56.26	+29 37.0	1.991	2.885	9.9	21.2
2 11	10 48.66	+19 29.2	1.264	2.223	8.0	19.7	2 11	10 47.95	+30 50.4	1.972	2.904	7.8	21.1
2 21	10 38.65	+20 23.2	1.222	2.200	5.0	19.5	2 21	10 38.20	+31 48.8	1.981	2.923	7.2	21.1
3 2	10 27.44	+21 4.7	1.206	2.178	6.8	19.5	3 2	10 28.10	+32 25.5	2.017	2.941	8.4	21.2
3 12	10 16.70	+21 25.3	1.215	2.156	11.3	19.7	3 12	10 18.79	+32 37.5	2.079	2.958	10.7	21.4
3 22	10 7.92	+21 21.6	1.247	2.134	16.0	19.9	3 22	10 11.19	+32 25.5	2.166	2.976	13.1	21.6
4 1	10 2.22	+20 53.7	1.298	2.112	20.2	20.1	4 1	10 5.93	+31 52.5	2.272	2.992	15.3	21.8
<b>19856</b>	2000 <i>UP</i> <sub>8</sub>		2 25.9 227°29'	4.2°/1.2	18	R	<b>520963</b>	2014 <i>YV</i> <sub>60</sub>		2 25.9 341°86'	0.9°/25.2	17	
1 22	10 55.61	- 6 6.0	2.243	2.996	14.0	18.7	1 22	10 54.89	+ 8 32.3	1.794	2.620	14.2	21.6
2 1	10 51.20	- 6 5.4	2.143	2.988	11.5	18.5	2 1	10 51.00	+ 9 12.2	1.713	2.617	10.6	21.3
2 11	10 44.90	- 5 45.8	2.064	2.980	8.5	18.3	2 11	10 44.91	+10 4.7	1.656	2.614	6.5	21.1
2 21	10 37.23	- 5 7.6	2.012	2.971	5.6	18.1	2 21	10 37.26	+11 4.4	1.626	2.612	2.1	20.8
3 2	10 28.95	- 4 13.6	1.988	2.962	4.3	18.0	3 2	10 28.98	+12 4.6	1.623	2.609	2.8	20.8
3 12	10 20.95	- 3 9.0	1.992	2.953	6.0	18.1	3 12	10 21.18	+12 58.0	1.649	2.607	7.3	21.1
3 22	10 14.06	- 1 59.9	2.025	2.943	9.1	18.3	3 22	10 14.81	+13 39.4	1.700	2.605	11.3	21.3
4 1	10 8.95	- 0 52.8	2.083	2.932	12.2	18.5	4 1	10 10.60	+14 5.5	1.773	2.604	14.9	21.6
<b>89696</b>	2001 <i>YD</i> <sub>75</sub>		2 25.9 189°41'	1.2°/24.9	18		<b>147862</b>	2005 <i>UP</i> <sub>493</sub>		2 25.9 353°78'	2.4°/27.3	18	
1 22	11 1.18	+ 9 50.0	1.946	2.760	13.7	20.3	1 22	11 3.22	+ 4 51.8	1.639	2.445	16.2	19.2
2 1	10 55.56	+10 28.6	1.862	2.759	10.3	20.1	2 1	10 57.44	+ 4 8.0	1.556	2.443	12.6	18.9
2 11	10 47.67	+11 17.8	1.802	2.758	6.3	19.9	2 11	10 49.01	+ 3 35.3	1.495	2.442	8.4	18.7
2 21	10 38.17	+12 12.0	1.770	2.756	2.2	19.6	2 21	10 38.67	+ 3 12.7	1.460	2.440	4.0	18.4
3 2	10 28.02	+13 4.8	1.768	2.753	3.0	19.6	3 2	10 27.56	+ 2 58.1	1.453	2.439	3.0	18.4
3 12	10 18.35	+13 49.9	1.796	2.749	7.2	19.9	3 12	10 17.04	+ 2 48.0	1.474	2.439	7.2	18.6
3 22	10 10.15	+14 22.7	1.850	2.744	11.2	20.1	3 22	10 8.28	+ 2 38.8	1.522	2.439	11.6	18.9
4 1	10 4.16	+14 41.1	1.927	2.739	14.6	20.3	4 1	10 2.13	+ 2 27.2	1.592	2.439	15.5	19.1
<b>363454</b>	2003 <i>SC</i> <sub>180</sub>		2 25.9 100°27'	3.1°/28.3	18		<b>417635</b>	2006 <i>XE</i> <sub>8</sub>		2 25.9 343°47'	20.2°/12.3	18	
1 22	10 59.63	- 0 3.3	1.645	2.440	16.7	20.9	1 22	10 58.33	-33 18.8	1.575	2.168	24.5	19.4
2 1	10 54.62	- 0 8.9	1.571	2.449	13.1	20.7	2 1	10 54.88	-36 17.0	1.497	2.158	23.5	19.3
2 11	10 47.16	+ 0 4.3	1.519	2.458	9.0	20.5	2 11	10 48.15	-38 43.7	1.432	2.148	22.3	19.1
2 21	10 38.00	+ 0 34.4	1.492	2.467	4.7	20.2	2 21	10 38.61	-40 28.3	1.382	2.140	21.3	19.0
3 2	10 28.22	+ 1 16.7	1.492	2.476	3.4	20.2	3 2	10 27.40	-41 21.7	1.346	2.133	20.5	18.9
3 12	10 19.06	+ 2 4.6	1.520	2.485	6.9	20.4	3 12	10 16.24	-41 20.9	1.326	2.126	20.2	18.9
3 22	10 11.59	+ 2 51.3	1.574	2.494	11.1	20.7	3 22	10 6.93	-40 30.0	1.322	2.121	20.5	18.9
4 1	10 6.56	+ 3 31.1	1.651	2.502	14.8	20.9	4 1	10 0.89	-38 59.0	1.333	2.117	21.3	18.9
<b>211227</b>	2002 <i>PS</i> <sub>103</sub>		2 25.9 217°77'	3.6°/29.2	16		<b>236645</b>	2006 <i>KG</i> <sub>51</sub>		2 25.9 144°16'	0.6°/25.3	17	
1 22	10 57.09	- 3 26.7	1.946	2.719	15.2	20.8	1 22	10 55.40	+ 8 38.3	2.557	3.365	11.0	21.8
2 1	10 52.56	- 3 19.7	1.851	2.713	12.2	20.5	2 1	10 50.68	+ 9 17.9	2.479	3.374	8.2	21.6
2 11	10 45.86	- 2 52.5	1.778	2.707	8.7	20.3	2 11	10 44.37	+10 5.8	2.427	3.382	5.0	21.4
2 21	10 37.58	- 2 6.4	1.731	2.700	5.2	20.1	2 21	10 37.01	+10 58.2	2.404	3.389	1.6	21.2
3 2	10 28.60	- 1 5.3	1.712	2.693	3.7	20.0	3 2	10 29.27	+11 50.4	2.411	3.397	2.1	21.2
3 12	10 19.97	+ 0 4.4	1.722	2.686	6.4	20.1	3 12	10 21.91	+12 37.5	2.449	3.403	5.5	21.4
3 22	10 12.65	+ 1 15.5	1.759	2.678	10.2	20.3	3 22	10 15.59	+13 15.9	2.514	3.410	8.6	21.7
4 1	10 7.41	+ 2 21.1	1.820	2.669	13.7	20.5	4 1	10 10.84	+13 43.5	2.605	3.416	11.2	21.8
<b>375450</b>	2008 <i>TA</i> <sub>94</sub>		2 25.9 135°82'	1.5°/24.5	17		<b>402496</b>	2006 <i>DW</i> <sub>12</sub>		2 25.9 330°11'	1.3°/25.3	18	
1 22	10 56.61	+11 9.5	2.201	3.020	12.1	21.5	1 22	11 0.29	+11 4.3	1.260	2.104	17.9	20.1
2 1	10 51.83	+11 50.5	2.125	3.026	9.0	21.3	2 1	10 56.00	+11 9.1	1.183	2.095	13.6	19.9
2 11	10 45.19	+12 39.4	2.075	3.032	5.5	21.1	2 11	10 48.50	+11 25.1	1.126	2.086	8.4	19.5
2 21	10 37.29	+13 31.2	2.053	3.038	2.0	20.9	2 21	10 38.58	+11 46.5	1.092	2.078	2.9	19.2
3 2	10 28.94	+14 20.2	2.061	3.043	3.0	21.0	3 2	10 27.63	+12 6.3	1.084	2.070	3.7	19.2
3 12	10 21.05	+15 1.3	2.098	3.048	6.5	21.2	3 12	10 17.38	+12 17.3	1.101	2.064	9.4	19.5
3 22	10 14.41	+15 30.9	2.161	3.053	9.9	21.4	3 22	10 9.30	+12 15.0	1.141	2.057	14.7	19.8
4 1	10 9.61	+15 47.2	2.249	3.058	12.8	21.6	4 1	10 4.39	+11 57.6	1.201	2.052	19.2	20.0
<b>434934</b>	2006 <i>TF</i> <sub>121</sub>		2 25.9 228°26'	2.7°/22.5	17		<b>462292</b>	2008 <i>FZ</i> <sub>64</sub>		2 25.9 339°07'	0.1°/25.9	18	
1 22	10 53.56	+15 17.9	2.659	3.485	10.1	21.8	1 22	10 55.43	+ 6 15.6	1.631	2.455	15.4	21.2
2 1	10 49.40	+16 26.3	2.573	3.478	7.5	21.6	2 1	10 51.61	+ 6 52.4	1.551	2.452	11.7	20.9
2 11	10 43.64	+17 40.1	2.513	3.470	4.7	21.4	2 11	10 45.40	+ 7 45.1	1.493	2.450	7.3	20.6
2 21	10 36.78	+18 54.1	2.483	3.462	2.7	21.3	2 21	10 37.46	+ 8 48.7	1.462	2.447	2.5	20.3
3 2	10 29.45	+20 2.3	2.484	3.454	4.0	21.3	3 2	10 28.81	+ 9 55.8	1.457	2.445	2.6	20.3
3 12	10 22.40	+20 59.7	2.514	3.446	6.7	21.5	3 12	10 20.68	+10 58.1	1.480	2.443	7.5	20.6
3 22	10 16.31	+21 43.0	2.572	3.437	9.5	21.7	3 22	10 14.12	+11 49.1	1.529	2.441	11.9	20.9
4 1	10 11.73	+22 10.6	2.653	3.428	12.0	21.8	4 1	10 9.92	+12 24.6	1.599	2.440	15.7	21.1
<b>111940</b>	2002 <i>GT</i> <sub>47</sub>		2 25.9 336°38'	7.5°/1.6	18		<b>363130</b>	2001 <i>QD</i> <sub>6</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>24494</b>	Megmoulding		2 25.9 289°05	2°0/24.4	18		<b>226722</b>	2004 PO <sub>49</sub>		2 25.9 209°07	1°5/24.4	17	
1 22	10 57.15	+10 50.6	1.561	2.397	15.4	19.1	1 22	10 57.49	+11 14.6	2.361	3.176	11.6	21.4
2 1	10 53.18	+11 38.3	1.474	2.383	11.6	18.8	2 1	10 52.49	+11 58.5	2.271	3.170	8.6	21.2
2 11	10 46.54	+12 39.3	1.409	2.369	7.2	18.5	2 11	10 45.65	+12 50.4	2.207	3.163	5.3	21.0
2 21	10 37.90	+13 46.9	1.370	2.355	2.7	18.2	2 21	10 37.50	+13 45.5	2.171	3.156	2.0	20.7
3 2	10 28.34	+14 52.5	1.358	2.341	4.1	18.3	3 2	10 28.81	+14 38.4	2.166	3.148	2.9	20.8
3 12	10 19.22	+15 47.2	1.373	2.327	8.9	18.5	3 12	10 20.47	+15 23.8	2.191	3.140	6.4	21.0
3 22	10 11.78	+16 25.1	1.412	2.313	13.5	18.8	3 22	10 13.26	+15 57.9	2.244	3.131	9.8	21.2
4 1	10 6.92	+16 43.2	1.472	2.300	17.5	19.0	4 1	10 7.81	+16 18.7	2.320	3.122	12.7	21.4
<b>120113</b>	2003 FJ <sub>58</sub>		2 25.9 203°05	6°5/20.2	18		<b>210471</b>	1995 SC <sub>19</sub>		2 25.9 244°29	0°3/25.8	16	
1 22	11 3.41	+26 46.8	2.041	2.870	12.6	19.8	1 22	10 58.94	+ 7 20.3	1.877	2.690	14.2	21.7
2 1	10 57.25	+27 42.8	1.972	2.868	9.9	19.6	2 1	10 54.10	+ 7 49.8	1.781	2.677	10.8	21.5
2 11	10 48.70	+28 34.5	1.927	2.865	7.5	19.4	2 11	10 46.92	+ 8 32.4	1.709	2.663	6.7	21.2
2 21	10 38.53	+29 13.8	1.910	2.862	6.5	19.4	2 21	10 38.00	+ 9 23.8	1.664	2.649	2.3	20.9
3 2	10 27.79	+29 34.1	1.920	2.859	7.8	19.5	3 2	10 28.28	+10 17.9	1.648	2.635	2.5	20.9
3 12	10 17.72	+29 31.7	1.958	2.855	10.4	19.6	3 12	10 18.91	+11 7.9	1.660	2.619	7.1	21.1
3 22	10 9.31	+29 6.9	2.021	2.851	13.2	19.8	3 22	10 10.93	+11 48.2	1.699	2.604	11.4	21.3
4 1	10 3.29	+28 22.1	2.104	2.847	15.7	19.9	4 1	10 5.18	+12 15.3	1.761	2.588	15.1	21.5
<b>357043</b>	2000 RE <sub>90</sub>		2 25.9 190°24	0°5/26.4	18		<b>357170</b>	2002 CT <sub>309</sub>		2 25.9 6°73	3°1/28.1	18	
1 22	11 1.39	+ 5 51.3	1.976	2.777	14.0	22.0	1 22	10 52.68	+ 0 21.5	1.115	1.949	20.4	20.0
2 1	10 55.69	+ 6 8.5	1.889	2.776	10.7	21.8	2 1	10 50.36	+ 0 26.4	1.048	1.949	16.0	19.7
2 11	10 47.76	+ 6 38.3	1.825	2.775	6.8	21.5	2 11	10 44.99	+ 0 58.5	1.000	1.950	10.8	19.4
2 21	10 38.23	+ 7 16.8	1.788	2.772	2.5	21.2	2 21	10 37.40	+ 1 54.7	0.973	1.953	5.4	19.1
3 2	10 28.06	+ 7 59.2	1.782	2.769	2.1	21.2	3 2	10 28.92	+ 3 7.2	0.969	1.957	3.6	19.0
3 12	10 18.33	+ 8 39.5	1.805	2.765	6.5	21.5	3 12	10 21.20	+ 4 24.5	0.990	1.962	8.5	19.3
3 22	10 10.03	+ 9 12.9	1.855	2.761	10.5	21.7	3 22	10 15.61	+ 5 35.7	1.033	1.968	13.8	19.6
4 1	10 3.90	+ 9 36.1	1.929	2.756	14.0	21.9	4 1	10 13.05	+ 6 32.1	1.095	1.975	18.5	19.9
<b>55129</b>	2001 QZ <sub>177</sub>		2 25.9 91°85	2°2/23.7	18		<b>415466</b>	2014 ME <sub>64</sub>		2 25.9 246°71	2°1/24.1	17	
1 22	10 57.31	+11 11.3	1.889	2.715	13.6	18.5	1 22	10 58.79	+10 27.9	1.706	2.533	14.7	21.4
2 1	10 52.53	+12 27.4	1.832	2.737	10.0	18.3	2 1	10 54.26	+11 31.3	1.613	2.518	11.1	21.1
2 11	10 45.68	+13 53.0	1.799	2.757	6.0	18.2	2 11	10 47.17	+12 49.0	1.544	2.503	6.8	20.8
2 21	10 37.48	+15 20.6	1.794	2.778	2.6	18.0	2 21	10 38.12	+14 14.0	1.502	2.486	2.7	20.5
3 2	10 28.87	+16 42.0	1.819	2.798	3.9	18.1	3 2	10 28.14	+15 37.0	1.488	2.470	4.1	20.6
3 12	10 20.90	+17 50.1	1.873	2.818	7.6	18.4	3 12	10 18.52	+16 49.0	1.503	2.452	8.7	20.8
3 22	10 14.42	+18 40.6	1.952	2.838	11.2	18.6	3 22	10 10.45	+17 43.5	1.542	2.435	13.2	21.0
4 1	10 10.04	+19 12.2	2.055	2.857	14.1	18.8	4 1	10 4.82	+18 17.2	1.604	2.416	17.0	21.2
<b>497612</b>	2006 QS <sub>2</sub>		2 25.9 199°18	0°3/25.6	17		<b>492190</b>	2013 RO <sub>29</sub>		2 25.9 93°63	4°3/22.1	18	
1 22	10 54.59	+ 7 46.9	3.098	3.896	9.5	23.0	1 22	10 59.43	+19 41.6	1.994	2.828	12.6	20.5
2 1	10 49.89	+ 8 20.5	3.003	3.892	7.1	22.9	2 1	10 54.12	+20 33.4	1.933	2.839	9.5	20.3
2 11	10 43.84	+ 9 1.8	2.935	3.887	4.4	22.7	2 11	10 46.67	+21 26.3	1.896	2.849	6.3	20.1
2 21	10 36.85	+ 9 47.7	2.896	3.882	1.4	22.4	2 21	10 37.83	+22 13.5	1.887	2.860	4.3	20.0
3 2	10 29.48	+10 34.6	2.889	3.876	1.7	22.5	3 2	10 28.56	+22 48.4	1.906	2.870	5.7	20.1
3 12	10 22.35	+11 18.4	2.913	3.869	4.6	22.7	3 12	10 19.93	+23 6.7	1.954	2.880	8.7	20.3
3 22	10 16.04	+11 56.2	2.967	3.862	7.4	22.8	3 22	10 12.83	+23 6.9	2.026	2.890	11.8	20.6
4 1	10 11.01	+12 25.5	3.046	3.854	9.8	23.0	4 1	10 7.89	+22 49.8	2.121	2.900	14.5	20.8
<b>414780</b>	2010 PV <sub>77</sub>		2 25.9 211°09	0°6/26.5	17		<b>17509</b>	Ikumadan		2 25.9 323°60	5°2/21.8	18	
1 22	10 59.34	+ 5 5.7	2.076	2.876	13.5	22.4	1 22	10 51.06	+14 2.8	1.130	1.999	17.7	16.9
2 1	10 54.12	+ 5 31.1	1.982	2.869	10.3	22.1	2 1	10 49.56	+15 36.0	1.044	1.972	13.3	16.5
2 11	10 46.79	+ 6 9.8	1.912	2.862	6.6	21.9	2 11	10 44.84	+17 29.0	0.980	1.945	8.5	16.2
2 21	10 37.92	+ 6 58.2	1.870	2.854	2.4	21.6	2 21	10 37.47	+19 30.2	0.938	1.919	5.3	15.9
3 2	10 28.38	+ 7 51.2	1.857	2.845	2.1	21.6	3 2	10 28.73	+21 23.6	0.920	1.894	7.9	16.0
3 12	10 19.19	+ 8 42.7	1.874	2.835	6.3	21.8	3 12	10 20.38	+22 53.5	0.925	1.871	13.3	16.2
3 22	10 11.30	+ 9 27.4	1.919	2.825	10.2	22.0	3 22	10 14.11	+23 50.3	0.950	1.849	18.7	16.4
4 1	10 5.42	+10 1.4	1.988	2.814	13.7	22.2	4 1	10 11.16	+24 10.8	0.991	1.828	23.4	16.6
<b>286271</b>	2001 VX <sub>69</sub>		2 25.9 177°51	1°1/26.9	18		<b>164343</b>	2005 CU <sub>12</sub>		2 25.9 50°05	0°4/25.6	18	
1 22	11 1.67	+ 4 4.8	1.933	2.728	14.5	21.4	1 22	10 53.20	+ 5 43.6	2.002	2.817	13.3	19.9
2 1	10 55.92	+ 4 19.8	1.847	2.731	11.1	21.2	2 1	10 49.50	+ 6 46.8	1.923	2.820	10.0	19.7
2 11	10 47.90	+ 4 48.9	1.786	2.733	7.2	21.0	2 11	10 43.88	+ 8 4.9	1.868	2.823	6.2	19.5
2 21	10 38.28	+ 5 28.8	1.752	2.734	2.9	20.7	2 21	10 36.92	+ 9 32.4	1.841	2.826	2.0	19.2
3 2	10 28.03	+ 6 14.4	1.747	2.734	2.2	20.6	3 2	10 29.44	+11 2.0	1.843	2.830	2.4	19.3
3 12	10 18.26	+ 6 59.8	1.772	2.734	6.5	20.9	3 12	10 22.38	+12 25.8	1.874	2.833	6.5	19.5
3 22	10 9.96	+ 7 39.5	1.824	2.732	10.5	21.2	3 22	10 16.58	+13 37.5	1.932	2.836	10.3	19.8
4 1	10 3.87	+ 8 9.5	1.900	2.730	14.0	21.4	4 1	10 12.66	+14 33.3	2.014	2.840	13.5	20.0
<b>208477</b>	2001 UW <sub>130</sub>		2 25.9 186°52	1°2/27.5	17		<b>142075</b>	2002 QK <sub>42</sub>		2 25.9 158°65	2°0/24.2	18	
1 22	10 53.94	+ 2 12.2	2.717	3.501	11.0	21.5	1 22	11 1.34	+13 1.2	2.093	2.910	12.7	20.6
2 1	10 49.57	+ 2 36.5	2.625	3.501	8.5	21.3	2 1	10 55.46	+13 37.7	2.018	2.918	9.5	20.4
2 11	10 43.71	+ 3 12.6	2.558	3.500	5.6	21.1	2 11	10 47.50	+14 20.7	1.968	2.924	5.8	20.2
2 21	10 36.82	+ 3 58.0	2.519	3.499	2.5	20.9	2 21	10 38.12	+15 4.6	1.946	2.930	2.4	19.9
3 2	10 29.52	+ 4 48.9	2.511	3.498	1.7	20.8	3 2	10 28.25	+15 43.7	1.955	2.935	3.5	20.0
3 12	10 22.51	+ 5 40.9	2.533	3.496	4.7	21.0	3 12	10 18.93	+16 13.0	1.993	2.940	7.1	20.3
3 22	10 16.42	+ 6 29.8	2.584	3.494	7.7	21.2	3 22	10 11.03	+16 29.6	2.058	2.944	10.6	20.5
4 1	10 11.76	+ 7 11.9	2.661	3.492	10.4	21.4	4 1	10 5.21	+16 32.2	2.146	2.947	13.7	20.7
<b>182521</b>	2001 SU <sub>327</sub>		2 25.9 171°43	0°3/25.7	18		<b>369829</b>	2012 HL <sub>84</sub>		2 25.9 169°00	8°6/13.6	17	
1 22	10 56.65	+ 6 23.1	2.188	2.994									

EPHEMERIDES

2 25.9

2 25.9

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>506406</b>	2017 <i>SN</i> <sub>6</sub>		2 25.9 230°77	6°1/18.9 17			<b>229142</b>	2004 <i>RH</i> <sub>311</sub>		2 25.9 118°95	3°1/23.0 18		
1 22	10 59.89	+28 1.6	2.516	3.341	10.6	21.8	1 22	10 58.78	+16 12.0	2.124	2.952	12.2	20.4
2 1	10 54.35	+29 8.7	2.438	3.329	8.4	21.6	2 1	10 53.51	+17 0.4	2.058	2.963	9.1	20.2
2 11	10 46.83	+30 12.1	2.386	3.318	6.6	21.5	2 11	10 46.28	+17 52.7	2.017	2.973	5.7	20.0
2 21	10 37.92	+31 4.9	2.363	3.305	6.1	21.4	2 21	10 37.73	+18 42.8	2.004	2.984	3.2	19.9
3 2	10 28.45	+31 41.1	2.368	3.292	7.3	21.5	3 2	10 28.76	+19 24.8	2.021	2.994	4.4	20.0
3 12	10 19.39	+31 56.9	2.401	3.279	9.5	21.6	3 12	10 20.36	+19 53.8	2.067	3.004	7.6	20.2
3 22	10 11.60	+31 51.7	2.458	3.266	11.8	21.7	3 22	10 13.34	+20 7.5	2.139	3.014	10.8	20.4
4 1	10 5.72	+31 26.9	2.537	3.251	14.0	21.9	4 1	10 8.31	+20 5.6	2.233	3.023	13.5	20.6
<b>39631</b>	1994 <i>SZ</i> <sub>9</sub>		2 25.9 230°72	1°1/24.9 18			<b>382783</b>	2003 <i>SR</i> <sub>275</sub>		2 25.9 140°30	0°1/26.1 17		
1 22	10 56.95	+10 17.8	2.126	2.944	12.5	20.4	1 22	10 56.42	+ 6 20.2	2.973	3.764	10.0	23.2
2 1	10 52.26	+10 50.6	2.039	2.939	9.4	20.2	2 1	10 51.20	+ 6 54.2	2.896	3.780	7.5	23.0
2 11	10 45.58	+11 32.4	1.978	2.934	5.8	20.0	2 11	10 44.62	+ 7 36.5	2.846	3.796	4.7	22.9
2 21	10 37.50	+12 18.5	1.944	2.929	2.0	19.7	2 21	10 37.14	+ 8 23.9	2.825	3.810	1.6	22.7
3 2	10 28.86	+13 3.4	1.939	2.924	2.8	19.8	3 2	10 29.36	+ 9 12.5	2.837	3.824	1.5	22.7
3 12	10 20.62	+13 41.7	1.964	2.918	6.6	20.0	3 12	10 21.93	+ 9 58.4	2.879	3.837	4.6	22.9
3 22	10 13.64	+14 9.4	2.015	2.912	10.3	20.2	3 22	10 15.43	+10 38.4	2.951	3.849	7.4	23.1
4 1	10 8.57	+14 24.3	2.090	2.906	13.4	20.4	4 1	10 10.30	+11 9.9	3.049	3.860	9.8	23.3
<b>90837</b>	1995 <i>WT</i> <sub>4</sub>		2 25.9 120°00	2°9/29.0 18			<b>463520</b>	2013 <i>QX</i> <sub>75</sub>		2 25.9 100°37	1°2/27.2 18		
1 22	10 57.51	- 2 25.6	2.361	3.126	13.1	20.0	1 22	10 56.11	+ 2 27.6	1.997	2.795	14.0	21.5
2 1	10 52.33	- 2 18.6	2.285	3.143	10.4	19.8	2 1	10 51.61	+ 2 58.3	1.923	2.808	10.7	21.3
2 11	10 45.44	- 1 56.0	2.232	3.160	7.2	19.7	2 11	10 45.15	+ 3 44.4	1.873	2.820	7.0	21.1
2 21	10 37.41	- 1 19.8	2.207	3.177	4.2	19.5	2 21	10 37.37	+ 4 42.3	1.850	2.831	2.9	20.9
3 2	10 29.01	- 0 33.4	2.211	3.192	3.0	19.4	3 2	10 29.12	+ 5 46.2	1.855	2.843	2.0	20.9
3 12	10 21.05	+ 0 18.2	2.245	3.208	5.3	19.6	3 12	10 21.39	+ 6 49.7	1.890	2.854	5.9	21.1
3 22	10 14.27	+ 1 9.9	2.308	3.223	8.3	19.8	3 22	10 14.98	+ 7 46.8	1.952	2.866	9.7	21.4
4 1	10 9.20	+ 1 57.2	2.397	3.237	11.1	20.0	4 1	10 10.52	+ 8 33.3	2.038	2.877	12.9	21.6
<b>358008</b>	2006 <i>DG</i> <sub>97</sub>		2 25.9 262°88	2°0/27.6 17			<b>421151</b>	2013 <i>RG</i> <sub>31</sub>		2 25.9 139°67	2°2/28.1 17		
1 22	10 57.21	+ 1 17.3	1.666	2.470	16.1	21.8	1 22	10 55.38	- 0 5.3	1.989	2.779	14.3	21.3
2 1	10 53.10	+ 1 39.3	1.569	2.455	12.6	21.6	2 1	10 51.16	+ 0 18.3	1.905	2.782	11.2	21.1
2 11	10 46.47	+ 2 21.8	1.493	2.439	8.4	21.3	2 11	10 44.94	+ 0 59.6	1.845	2.785	7.6	20.9
2 21	10 37.91	+ 3 22.0	1.443	2.423	3.9	21.0	2 21	10 37.32	+ 1 55.8	1.810	2.788	3.8	20.7
3 2	10 28.41	+ 4 34.0	1.420	2.407	2.7	20.9	3 2	10 29.15	+ 3 1.7	1.804	2.791	2.5	20.6
3 12	10 19.24	+ 5 49.6	1.425	2.391	7.2	21.1	3 12	10 21.41	+ 4 10.7	1.827	2.793	5.9	20.8
3 22	10 11.56	+ 7 0.3	1.456	2.374	11.9	21.3	3 22	10 14.96	+ 5 16.2	1.878	2.795	9.7	21.0
4 1	10 6.29	+ 7 59.4	1.509	2.357	16.1	21.5	4 1	10 10.46	+ 6 12.8	1.952	2.798	13.1	21.3
<b>344815</b>	2004 <i>CQ</i> <sub>75</sub>		2 25.9 309°20	1°2/26.9 17			<b>140973</b>	2001 <i>VN</i> <sub>120</sub>		2 25.9 195°15	7°0/18.2 18		
1 22	10 55.30	+ 4 34.0	1.964	2.773	13.8	20.5	1 22	11 0.39	+28 31.3	2.212	3.042	11.7	19.9
2 1	10 51.37	+ 4 39.5	1.855	2.745	10.7	20.2	2 1	10 54.95	+29 57.2	2.147	3.040	9.3	19.7
2 11	10 45.26	+ 4 58.4	1.768	2.718	7.0	19.9	2 11	10 47.30	+31 18.6	2.108	3.037	7.5	19.6
2 21	10 37.47	+ 5 28.3	1.708	2.690	2.9	19.6	2 21	10 38.12	+32 27.1	2.096	3.035	7.1	19.5
3 2	10 28.84	+ 6 5.2	1.675	2.663	2.2	19.5	3 2	10 28.37	+33 15.6	2.113	3.031	8.4	19.6
3 12	10 20.42	+ 6 43.4	1.672	2.636	6.5	19.7	3 12	10 19.14	+33 39.8	2.155	3.027	10.7	19.7
3 22	10 13.19	+ 7 17.7	1.694	2.610	10.7	19.9	3 22	10 11.39	+33 39.4	2.222	3.023	13.1	19.9
4 1	10 7.98	+ 7 43.6	1.740	2.583	14.5	20.1	4 1	10 5.82	+33 16.5	2.308	3.018	15.3	20.1
<b>157424</b>	2004 <i>TN</i> <sub>328</sub>		2 25.9 197°02	2°2/23.5 17			<b>182378</b>	2001 <i>QW</i> <sub>198</sub>		2 25.9 136°58	3°3/29.5 18		
1 22	10 56.16	+12 40.3	2.284	3.106	11.7	21.0	1 22	10 56.26	- 4 4.1	2.131	2.897	14.3	20.7
2 1	10 51.56	+13 42.8	2.201	3.104	8.6	20.8	2 1	10 51.65	- 3 45.5	2.049	2.907	11.4	20.5
2 11	10 45.10	+14 53.3	2.144	3.101	5.3	20.5	2 11	10 45.16	- 3 7.6	1.990	2.916	8.1	20.3
2 21	10 37.34	+16 5.8	2.115	3.098	2.4	20.4	2 21	10 37.38	- 2 12.5	1.956	2.925	4.8	20.1
3 2	10 29.05	+17 14.0	2.117	3.094	3.7	20.4	3 2	10 29.12	- 1 4.6	1.952	2.933	3.4	20.0
3 12	10 21.14	+18 11.9	2.148	3.090	7.0	20.6	3 12	10 21.29	+ 0 10.0	1.977	2.941	5.7	20.2
3 22	10 14.38	+18 55.5	2.206	3.086	10.3	20.8	3 22	10 14.70	+ 1 24.3	2.030	2.949	9.1	20.4
4 1	10 9.43	+19 22.9	2.288	3.081	13.1	21.0	4 1	10 9.96	+ 2 32.5	2.109	2.956	12.2	20.6
<b>435224</b>	2007 <i>RM</i> <sub>289</sub>		2 25.9 73°69	0°2/25.8 18			<b>201381</b>	2002 <i>UJ</i> <sub>39</sub>		2 25.9 31°99	0°6/25.5 18		
1 22	10 55.57	+ 7 14.6	2.160	2.971	12.6	21.7	1 22	10 54.24	+ 7 56.9	1.730	2.558	14.5	19.3
2 1	10 51.01	+ 7 48.3	2.093	2.988	9.4	21.5	2 1	10 50.45	+ 8 34.4	1.667	2.571	10.9	19.1
2 11	10 44.67	+ 8 32.4	2.052	3.006	5.8	21.3	2 11	10 44.52	+ 9 24.3	1.627	2.585	6.6	18.9
2 21	10 37.16	+ 9 22.6	2.038	3.023	1.9	21.1	2 21	10 37.17	+10 21.1	1.613	2.599	2.2	18.7
3 2	10 29.29	+10 13.5	2.053	3.040	2.1	21.1	3 2	10 29.37	+11 18.0	1.628	2.614	2.6	18.7
3 12	10 21.93	+10 59.7	2.098	3.058	5.9	21.4	3 12	10 22.18	+12 8.1	1.669	2.630	7.0	19.0
3 22	10 15.83	+11 37.3	2.171	3.075	9.3	21.6	3 22	10 16.50	+12 46.5	1.737	2.646	10.9	19.3
4 1	10 11.54	+12 3.5	2.267	3.092	12.2	21.9	4 1	10 12.95	+13 10.3	1.827	2.662	14.3	19.5
<b>450224</b>	2002 <i>TW</i> <sub>189</sub>		2 25.9 166°98	2°3/27.9 18			<b>102554</b>	1999 <i>US</i> <sub>21</sub>		2 25.9 343°44	5°0/22.6 18		
1 22	11 1.87	+ 0 39.6	1.801	2.588	15.7	22.4	1 22	10 59.08	+18 7.2	1.342	2.195	16.4	19.9
2 1	10 56.21	+ 0 51.1	1.719	2.594	12.3	22.2	2 1	10 54.95	+18 54.9	1.272	2.189	12.4	19.7
2 11	10 48.16	+ 1 20.6	1.659	2.599	8.3	21.9	2 11	10 47.76	+19 47.5	1.224	2.184	8.1	19.4
2 21	10 38.42	+ 2 5.4	1.625	2.603	4.0	21.7	2 21	10 38.37	+20 35.7	1.200	2.179	5.1	19.2
3 2	10 28.01	+ 3 0.3	1.621	2.607	2.8	21.6	3 2	10 28.13	+21 9.7	1.202	2.175	6.8	19.3
3 12	10 18.13	+ 3 58.6	1.645	2.609	6.7	21.9	3 12	10 18.66	+21 22.5	1.229	2.171	11.1	19.5
3 22	10 9.83	+ 4 53.5	1.696	2.611	10.8	22.1	3 22	10 11.31	+21 11.8	1.278	2.168	15.5	19.8
4 1	10 3.87	+ 5 39.5	1.772	2.611	14.5	22.3	4 1	10 6.96	+20 38.9	1.346	2.166	19.3	20.0
<b>434981</b>	2006 <i>UZ</i> <sub>135</sub>		2 25.9 154°32	5°0/20.0 17			<b>33842</b>	2000 <i>GN</i> <sub>79</sub>		2 2			