

EPHEMERIDES

6 28.9

6 29.0

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>38595</b>	1999 <i>XD</i> <sub>196</sub>		6 28.9 101°47'	2°4/28.9	18		<b>470768</b>	2008 <i>UU</i> <sub>231</sub>		6 29.0 256°28'	4°7/29.1	17	
5 21	19 3.41	-30 30.9	1.992	2.808	14.5	18.6	5 21	18 59.52	-12 33.2	2.065	2.867	14.6	21.8
5 31	18 58.39	-30 29.0	1.916	2.817	11.5	18.4	5 31	18 55.27	-11 46.5	1.965	2.852	11.9	21.6
6 10	18 50.88	-30 23.0	1.862	2.825	8.0	18.2	6 10	18 48.83	-11 5.4	1.887	2.836	8.9	21.3
6 20	18 41.53	-30 10.1	1.832	2.833	4.4	18.0	6 20	18 40.65	-10 32.1	1.833	2.821	6.0	21.1
6 30	18 31.34	-29 48.7	1.828	2.841	2.4	17.8	6 30	18 31.48	-10 8.1	1.805	2.805	4.7	21.0
7 10	18 21.44	-29 18.8	1.853	2.848	5.1	18.0	7 10	18 22.26	-9 54.5	1.804	2.789	6.5	21.1
7 20	18 12.87	-28 42.4	1.903	2.856	8.7	18.3	7 20	18 13.94	-9 51.3	1.829	2.772	9.7	21.3
7 30	18 6.43	-28 2.4	1.978	2.863	12.0	18.5	7 30	18 7.32	-9 57.8	1.878	2.755	12.9	21.4
<b>43457</b>	2000 <i>YF</i> <sub>118</sub>		6 28.9 306°67'	1°4/29.3	18		<b>65938</b>	1998 <i>FV</i> <sub>77</sub>		6 29.0 328°11'	10°7/30.3	18	
5 21	18 58.05	-17 43.6	1.362	2.206	18.6	18.5	5 21	18 53.60	-1 13.2	1.498	2.299	19.2	18.3
5 31	18 55.52	-18 8.0	1.272	2.189	14.9	18.3	5 31	18 51.40	-0 7.5	1.414	2.283	16.7	18.0
6 10	18 49.82	-18 44.3	1.201	2.173	10.5	17.9	6 10	18 46.60	+0 40.7	1.347	2.268	14.0	17.8
6 20	18 41.42	-19 31.0	1.151	2.156	5.4	17.6	6 20	18 39.71	+1 5.5	1.299	2.253	11.7	17.6
6 30	18 31.32	-20 24.9	1.125	2.141	1.4	17.3	6 30	18 31.58	+1 2.5	1.273	2.240	10.7	17.6
7 10	18 20.97	-21 21.7	1.123	2.125	6.3	17.6	7 10	18 23.36	+0 30.7	1.269	2.227	11.7	17.6
7 20	18 11.90	-22 17.4	1.144	2.110	11.6	17.8	7 20	18 16.22	-0 27.5	1.287	2.215	14.1	17.7
7 30	18 5.44	-23 9.4	1.186	2.096	16.4	18.1	7 30	18 11.18	-1 46.6	1.324	2.203	17.1	17.8
<b>20041</b>	1992 <i>YH</i>		6 28.9 244°16'	3°5/28.0	18		<b>69148</b>	2003 <i>GH</i> <sub>8</sub>		6 29.0 205°80'	3°9/28.3	18	
5 21	19 3.42	-29 21.1	2.106	2.919	14.0	17.9	5 21	19 1.41	-34 20.7	2.530	3.333	12.2	20.3
5 31	18 58.78	-30 21.4	2.007	2.905	11.2	17.7	5 31	18 56.63	-34 57.8	2.441	3.330	9.8	20.1
6 10	18 51.52	-31 23.5	1.930	2.890	8.0	17.5	6 10	18 49.66	-35 31.3	2.375	3.327	7.2	19.9
6 20	18 42.07	-32 22.5	1.878	2.875	4.8	17.3	6 20	18 41.00	-35 57.3	2.334	3.323	4.8	19.8
6 30	18 31.26	-33 13.5	1.854	2.860	3.6	17.2	6 30	18 31.45	-36 12.9	2.321	3.319	4.0	19.7
7 10	18 20.25	-33 52.7	1.857	2.844	6.1	17.3	7 10	18 21.93	-36 16.4	2.335	3.315	5.6	19.8
7 20	18 10.20	-34 18.6	1.887	2.828	9.5	17.5	7 20	18 13.38	-36 8.2	2.376	3.311	8.2	19.9
7 30	18 2.18	-34 32.3	1.941	2.811	12.8	17.6	7 30	18 6.58	-35 50.3	2.442	3.306	10.8	20.1
<b>145752</b>	1995 <i>YV</i> <sub>11</sub>		6 28.9 163°79'	1°2/29.2	18		<b>478580</b>	2012 <i>TK</i> <sub>91</sub>		6 29.0 348°66'	12°4/30.4	16	
5 21	18 57.27	-19 13.0	2.461	3.270	12.3	21.0	5 21	18 48.64	-2 0.4	1.168	2.002	21.6	20.6
5 31	18 53.08	-19 12.0	2.374	3.271	9.7	20.8	5 31	18 48.08	-0 35.8	1.097	1.988	18.9	20.4
6 10	18 47.05	-19 14.7	2.310	3.273	6.7	20.6	6 10	18 44.63	+0 29.1	1.042	1.976	15.9	20.1
6 20	18 39.66	-19 20.3	2.271	3.274	3.4	20.4	6 20	18 38.83	+1 6.3	1.004	1.965	13.5	20.0
6 30	18 31.56	-19 28.0	2.260	3.275	1.2	20.2	6 30	18 31.68	+1 9.8	0.985	1.957	12.4	19.9
7 10	18 23.54	-19 37.2	2.277	3.276	4.0	20.4	7 10	18 24.54	+0 38.1	0.986	1.950	13.3	19.9
7 20	18 16.33	-19 47.1	2.322	3.277	7.2	20.6	7 20	18 18.72	-0 25.5	1.005	1.945	15.9	20.0
7 30	18 10.60	-19 57.5	2.392	3.278	10.1	20.8	7 30	18 15.34	-1 53.7	1.043	1.943	19.0	20.2
<b>380019</b>	2013 <i>PY</i> <sub>73</sub>		6 28.9 327°30'	2°0/29.3	17		<b>277036</b>	2005 <i>CO</i> <sub>33</sub>		6 29.0 93°95'	1°2/28.8	17	
5 21	18 55.22	-18 31.6	1.244	2.099	19.3	20.6	5 21	19 1.36	-25 28.4	1.990	2.810	14.4	21.7
5 31	18 53.47	-18 31.2	1.159	2.083	15.5	20.3	5 31	18 56.74	-25 47.1	1.919	2.823	11.3	21.5
6 10	18 48.49	-18 39.4	1.093	2.067	10.9	20.0	6 10	18 49.76	-26 6.6	1.869	2.836	7.7	21.3
6 20	18 40.78	-18 56.0	1.046	2.052	5.7	19.6	6 20	18 41.04	-26 24.3	1.844	2.848	3.8	21.1
6 30	18 31.41	-19 19.4	1.023	2.038	2.0	19.3	6 30	18 31.46	-26 37.8	1.846	2.861	1.3	20.9
7 10	18 21.91	-19 47.2	1.022	2.025	6.6	19.6	7 10	18 22.10	-26 45.7	1.875	2.873	4.7	21.2
7 20	18 13.82	-20 17.1	1.043	2.013	12.0	19.8	7 20	18 13.93	-26 48.1	1.930	2.886	8.4	21.4
7 30	18 8.47	-20 47.4	1.084	2.001	17.0	20.1	7 30	18 7.76	-26 46.0	2.010	2.898	11.7	21.6
<b>356886</b>	2011 <i>WE</i> <sub>146</sub>		6 28.9 244°83'	0°4/29.1	18		<b>475623</b>	2006 <i>US</i> <sub>186</sub>		6 29.0 305°19'	8°5/26.7	18	
5 21	18 57.87	-19 40.0	2.349	3.160	12.8	20.5	5 21	19 3.22	-41 24.9	1.906	2.713	15.4	20.6
5 31	18 53.78	-20 9.2	2.256	3.155	10.1	20.3	5 31	18 59.49	-42 50.1	1.817	2.697	13.1	20.4
6 10	18 47.69	-20 43.9	2.186	3.150	6.9	20.1	6 10	18 52.50	-44 9.6	1.749	2.681	10.7	20.2
6 20	18 40.05	-21 22.4	2.141	3.146	3.4	19.9	6 20	18 42.74	-45 15.5	1.704	2.665	8.9	20.1
6 30	18 31.53	-22 2.4	2.124	3.141	0.5	19.6	6 30	18 31.24	-46 0.3	1.684	2.650	8.6	20.0
7 10	18 22.99	-22 41.7	2.136	3.135	4.1	19.9	7 10	18 19.53	-46 19.9	1.687	2.635	10.0	20.1
7 20	18 15.25	-23 18.7	2.174	3.130	7.6	20.1	7 20	18 9.18	-46 14.4	1.714	2.620	12.5	20.2
7 30	18 9.06	-23 52.5	2.238	3.125	10.7	20.3	7 30	18 1.53	-45 47.6	1.762	2.605	15.2	20.3
<b>44522</b>	1998 <i>YP</i> <sub>1</sub>		6 28.9 59°90'	2°3/29.4	17		<b>506668</b>	2006 <i>SD</i> <sub>285</sub>		6 29.0 337°49'	5°8/28.4	17	
5 21	19 1.04	-16 26.2	1.297	2.137	19.5	18.1	5 21	18 53.62	-31 46.2	1.051	1.925	20.7	21.3
5 31	18 57.57	-16 39.4	1.232	2.145	15.6	17.9	5 31	18 53.27	-32 28.7	0.974	1.906	16.8	20.9
6 10	18 50.92	-17 4.1	1.184	2.153	10.9	17.6	6 10	18 48.97	-33 8.9	0.913	1.889	12.3	20.6
6 20	18 41.78	-17 38.8	1.158	2.161	5.8	17.4	6 20	18 41.24	-33 39.9	0.871	1.873	7.8	20.3
6 30	18 31.33	-18 20.6	1.155	2.170	2.3	17.2	6 30	18 31.41	-33 54.5	0.850	1.858	5.9	20.2
7 10	18 21.11	-19 6.0	1.177	2.179	6.3	17.4	7 10	18 21.49	-33 48.6	0.849	1.845	9.2	20.3
7 20	18 12.50	-19 51.7	1.223	2.188	11.2	17.7	7 20	18 13.49	-33 22.9	0.868	1.834	14.3	20.5
7 30	18 6.61	-20 35.6	1.290	2.197	15.6	18.0	7 30	18 9.04	-32 42.4	0.904	1.825	19.2	20.8
<b>203663</b>	2002 <i>JH</i> <sub>64</sub>		6 28.9 32°08'	2°7/29.2	17		<b>313080</b>	2000 <i>TB</i> <sub>11</sub>		6 29.0 251°34'	4°1/28.4	17	
5 21	18 58.47	-18 56.1	1.068	1.930	21.3	19.5	5 21	19 4.85	-30 46.3	1.609	2.436	16.9	21.4
5 31	18 55.90	-18 30.3	1.018	1.944	16.9	19.3	5 31	19 0.69	-31 27.3	1.519	2.425	13.6	21.1
6 10	18 49.86	-18 11.9	0.984	1.959	11.7	19.0	6 10	18 53.23	-32 7.3	1.449	2.413	9.8	20.9
6 20	18 41.22	-18 1.0	0.970	1.975	6.2	18.8	6 20	18 43.04	-32 41.1	1.402	2.401	5.9	20.6
6 30	18 31.42	-17 57.0	0.978	1.992	2.7	18.6	6 30	18 31.22	-33 2.8	1.380	2.388	4.2	20.5
7 10	18 22.13	-17 59.2	1.008	2.011	6.9	18.9	7 10	18 19.31	-33 9.5	1.384	2.375	7.1	20.6
7 20	18 14.80	-18 6.6	1.061	2.030	12.0	19.3	7 20	18 8.84	-33 1.1	1.412	2.362	11.3	20.8
7 30	18 10.44	-18 18.1	1.133	2.049	16.4	19.6	7 30	18 1.10	-32 41.0	1.462	2.348	15.4	21.0
<b>429421</b>	2010 <i>UD</i> <sub>41</sub>		6 29.0 266°55'	3°1/28.6	18		<b>137644</b>	1999					

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>15854</b>	Numa		6 29.0	13°91'	3°2/29.1	18	<b>10782</b>	Hittmair		6 29.0	192°06'	1°7/28.9	18
5 21	18 59.60	-19 32.4	1.152	2.007	20.5	18.1	5 21	19 6.52	-27 1.9	1.732	2.551	16.3	19.1
5 31	18 56.81	-18 46.1	1.086	2.009	16.4	17.9	5 31	19 1.41	-27 13.2	1.647	2.550	12.9	18.9
6 10	18 50.58	-18 3.5	1.038	2.011	11.5	17.6	6 10	18 53.34	-27 23.9	1.583	2.549	8.9	18.6
6 20	18 41.67	-17 26.0	1.010	2.014	6.3	17.3	6 20	18 42.95	-27 30.8	1.542	2.546	4.6	18.4
6 30	18 31.41	-16 54.9	1.004	2.018	3.2	17.2	6 30	18 31.31	-27 30.9	1.528	2.543	1.8	18.2
7 10	18 21.46	-16 31.5	1.021	2.022	7.2	17.4	7 10	18 19.78	-27 22.8	1.541	2.539	5.6	18.4
7 20	18 13.31	-16 16.5	1.061	2.027	12.3	17.7	7 20	18 9.66	-27 7.5	1.580	2.535	10.0	18.7
7 30	18 8.10	-16 10.0	1.120	2.032	16.9	18.0	7 30	18 2.00	-26 47.4	1.642	2.530	13.9	18.9
<b>137365</b>	1999 TU <sub>120</sub>		6 29.0	272°82'	0°1/29.0	18	<b>351962</b>	2006 TV <sub>122</sub>		6 29.0	97°82'	2°1/28.6	17
5 21	19 2.57	-23 16.2	1.684	2.511	16.3	21.1	5 21	18 59.99	-28 8.6	2.261	3.076	13.1	21.3
5 31	18 58.62	-23 18.3	1.579	2.487	13.1	20.8	5 31	18 55.52	-28 37.9	2.184	3.084	10.3	21.1
6 10	18 51.71	-23 22.7	1.495	2.463	9.1	20.5	6 10	18 48.89	-29 6.7	2.129	3.093	7.1	20.9
6 20	18 42.29	-23 27.7	1.433	2.439	4.5	20.2	6 20	18 40.64	-29 32.0	2.100	3.101	3.9	20.7
6 30	18 31.32	-23 30.9	1.398	2.414	0.5	19.8	6 30	18 31.57	-29 51.1	2.098	3.110	2.2	20.6
7 10	18 20.09	-23 30.8	1.388	2.389	5.6	20.2	7 10	18 22.64	-30 2.5	2.123	3.118	4.7	20.8
7 20	18 9.99	-23 27.3	1.404	2.363	10.5	20.4	7 20	18 14.73	-30 6.2	2.176	3.126	7.9	21.0
7 30	18 2.22	-23 21.5	1.442	2.337	15.0	20.6	7 30	18 8.61	-30 3.4	2.253	3.134	10.9	21.2
<b>349436</b>	2008 AL <sub>135</sub>		6 29.0	104°12'	3°1/28.4	17	<b>320334</b>	2007 TS <sub>123</sub>		6 29.0	312°34'	2°8/28.5	18
5 21	19 1.23	-30 50.5	2.344	3.154	12.8	21.4	5 21	18 59.08	-27 46.5	1.784	2.616	15.4	20.3
5 31	18 56.44	-31 28.9	2.270	3.166	10.2	21.2	5 31	18 55.67	-28 26.8	1.694	2.604	12.2	20.1
6 10	18 49.48	-32 5.1	2.220	3.179	7.2	21.1	6 10	18 49.53	-29 8.7	1.625	2.593	8.6	19.8
6 20	18 40.89	-32 35.8	2.195	3.191	4.3	20.9	6 20	18 41.17	-29 48.1	1.580	2.582	4.7	19.6
6 30	18 31.50	-32 57.9	2.197	3.203	3.1	20.9	6 30	18 31.50	-30 20.7	1.560	2.572	2.9	19.4
7 10	18 22.27	-33 9.9	2.227	3.215	5.1	21.0	7 10	18 21.76	-30 43.6	1.566	2.562	5.9	19.6
7 20	18 14.09	-33 11.9	2.284	3.227	8.0	21.2	7 20	18 13.18	-30 55.9	1.598	2.552	9.9	19.8
7 30	18 7.71	-33 5.6	2.365	3.238	10.8	21.4	7 30	18 6.82	-30 58.8	1.651	2.542	13.7	20.0
<b>361010</b>	2005 VS <sub>49</sub>		6 29.0	238°19'	3°7/28.2	18	<b>479911</b>	2014 HE <sub>47</sub>		6 29.0	233°09'	5°8/29.9	18
5 21	19 0.46	-33 35.9	2.641	3.444	11.7	21.2	5 21	18 56.36	-6 37.4	2.305	3.089	13.8	21.5
5 31	18 55.85	-34 15.3	2.546	3.435	9.4	21.0	5 31	18 52.46	-6 1.6	2.217	3.085	11.5	21.3
6 10	18 49.14	-34 51.9	2.473	3.425	6.9	20.9	6 10	18 46.72	-5 35.9	2.150	3.081	9.0	21.1
6 20	18 40.79	-35 22.1	2.425	3.415	4.6	20.7	6 20	18 39.58	-5 22.4	2.107	3.077	6.8	21.0
6 30	18 31.52	-35 43.0	2.406	3.405	3.7	20.6	6 30	18 31.69	-5 22.4	2.089	3.073	5.8	20.9
7 10	18 22.22	-35 52.7	2.414	3.395	5.4	20.7	7 10	18 23.84	-5 35.7	2.099	3.069	6.9	21.0
7 20	18 13.78	-35 51.2	2.449	3.384	7.9	20.9	7 20	18 16.77	-6 1.2	2.133	3.064	9.1	21.1
7 30	18 6.97	-35 40.1	2.510	3.373	10.5	21.0	7 30	18 11.16	-6 36.8	2.192	3.060	11.7	21.2
<b>338556</b>	2003 SF <sub>59</sub>		6 29.0	283°86'	2°2/28.9	18	<b>298302</b>	2003 CW <sub>11</sub>		6 29.0	147°22'	3°3/28.6	18
5 21	19 2.99	-29 56.7	1.897	2.717	15.0	20.9	5 21	19 2.59	-33 46.1	2.635	3.434	11.9	21.7
5 31	18 58.61	-29 50.6	1.793	2.696	12.0	20.6	5 31	18 57.28	-34 7.8	2.555	3.442	9.5	21.5
6 10	18 51.45	-29 40.2	1.710	2.674	8.5	20.4	6 10	18 49.94	-34 25.2	2.498	3.450	6.9	21.4
6 20	18 42.06	-29 22.7	1.650	2.652	4.6	20.1	6 20	18 41.10	-34 35.2	2.466	3.458	4.4	21.2
6 30	18 31.37	-28 55.8	1.617	2.630	2.3	19.9	6 30	18 31.53	-34 35.7	2.462	3.465	3.3	21.2
7 10	18 20.64	-28 19.4	1.611	2.608	5.5	20.1	7 10	18 22.14	-34 25.8	2.487	3.471	5.0	21.3
7 20	18 11.09	-27 35.1	1.630	2.586	9.7	20.3	7 20	18 13.75	-34 6.4	2.539	3.477	7.5	21.5
7 30	18 3.78	-26 46.6	1.674	2.563	13.6	20.4	7 30	18 7.06	-33 39.7	2.617	3.483	10.1	21.6
<b>231253</b>	2005 YX <sub>152</sub>		6 29.0	176°68'	0°9/28.8	18	<b>193621</b>	2001 CU <sub>24</sub>		6 29.0	144°04'	3°2/28.7	17
5 21	19 2.35	-22 18.3	2.078	2.891	14.1	20.5	5 21	19 4.47	-32 10.8	2.308	3.112	13.2	21.0
5 31	18 57.63	-23 6.7	1.992	2.893	11.2	20.3	5 31	18 59.00	-32 33.0	2.230	3.122	10.5	20.8
6 10	18 50.51	-24 0.5	1.928	2.894	7.6	20.1	6 10	18 51.24	-32 51.5	2.175	3.131	7.5	20.6
6 20	18 41.51	-24 56.4	1.890	2.894	3.7	19.8	6 20	18 41.76	-33 2.9	2.145	3.140	4.5	20.4
6 30	18 31.44	-25 50.4	1.879	2.895	1.0	19.6	6 30	18 31.46	-33 4.5	2.142	3.149	3.2	20.4
7 10	18 21.36	-26 39.4	1.897	2.895	4.7	19.9	7 10	18 21.37	-32 55.5	2.168	3.156	5.2	20.5
7 20	18 12.27	-27 21.3	1.942	2.894	8.5	20.1	7 20	18 12.44	-32 36.8	2.221	3.164	8.2	20.7
7 30	18 5.08	-27 55.7	2.011	2.894	11.9	20.3	7 30	18 5.44	-32 11.0	2.299	3.171	11.0	20.9
<b>459513</b>	2013 EB <sub>29</sub>		6 29.0	7°73'	6°7/29.2	17	<b>510601</b>	2012 TJ <sub>18</sub>		6 29.0	126°35'	5°9/29.7	17
5 21	18 55.67	-35 8.2	0.874	1.756	23.1	19.9	5 21	18 58.01	-8 28.3	1.995	2.791	15.2	21.6
5 31	18 55.27	-35 29.2	0.821	1.756	18.8	19.7	5 31	18 53.99	-7 44.8	1.916	2.794	12.6	21.4
6 10	18 50.32	-35 38.6	0.784	1.759	13.9	19.4	6 10	18 47.86	-7 11.5	1.857	2.796	9.7	21.2
6 20	18 41.76	-35 29.4	0.763	1.763	9.0	19.1	6 20	18 40.16	-6 50.5	1.822	2.799	7.1	21.1
6 30	18 31.43	-34 56.4	0.761	1.769	6.8	19.1	6 30	18 31.64	-6 43.3	1.812	2.801	5.9	21.0
7 10	18 21.70	-34 0.2	0.779	1.777	9.6	19.2	7 10	18 23.23	-6 50.1	1.828	2.804	7.2	21.1
7 20	18 14.57	-32 47.3	0.817	1.786	14.4	19.5	7 20	18 15.79	-7 9.6	1.869	2.806	9.9	21.2
7 30	18 11.31	-31 26.6	0.871	1.798	19.1	19.8	7 30	18 10.07	-7 39.7	1.934	2.808	12.7	21.4
<b>356183</b>	2009 HU <sub>101</sub>		6 29.0	344°06'	5°3/30.2	16	<b>256507</b>	2007 EP <sub>105</sub>		6 29.0	250°44'	2°2/29.4	18
5 21	18 55.11	-8 32.0	1.939	2.743	15.3	21.0	5 21	18 56.57	-15 40.3	2.663	3.463	11.7	21.5
5 31	18 51.89	-8 16.1	1.855	2.739	12.6	20.8	5 31	18 52.49	-15 35.5	2.560	3.450	9.4	21.4
6 10	18 46.54	-8 12.3	1.790	2.735	9.6	20.6	6 10	18 46.69	-15 36.0	2.480	3.437	6.7	21.2
6 20	18 39.55	-8 22.1	1.748	2.731	6.8	20.4	6 20	18 39.57	-15 41.7	2.426	3.423	3.8	21.0
6 30	18 31.67	-8 45.9	1.732	2.728	5.3	20.3	6 30	18 31.70	-15 52.1	2.399	3.409	2.2	20.8
7 10	18 23.82	-9 22.4	1.741	2.725	6.7	20.4	7 10	18 23.80	-16 6.7	2.400	3.395	4.2	20.9
7 20	18 16.88	-10 9.3	1.775	2.723	9.6	20.6	7 20	18 16.55	-16 24.5	2.430	3.381	7.1	21.1
7 30	18 11.65	-11 3.6	1.833	2.721	12.7	20.7	7 30	18 10.61	-16 44.8	2.484	3.367	10.0	21.3
<b>316</b>	Goberta		6 29.0	201°78'	0°4/29.1	18	<b>501786</b>	2014 VQ <sub>21</sub>		6 29.0	198°85'	3°9/29.3	17
5 21	18 57.34	-21 11.9	2.792	3.596									

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6 29.0

6 29.0

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>101723</b>	Finger		6 29.0 112°57'	1.3°/29.2	18		<b>258924</b>	2002 RF <sub>49</sub>		6 29.0 306°29'	1.2°/29.2	17	
5 21	19 1.93	-19 1.7	1.852	2.669	15.5	20.4	5 21	18 57.80	-19 42.9	1.389	2.234	18.2	20.6
5 31	18 57.27	-19 8.0	1.780	2.681	12.2	20.2	5 31	18 55.41	-19 48.8	1.292	2.210	14.6	20.3
6 10	18 50.20	-19 19.7	1.729	2.694	8.4	20.0	6 10	18 49.86	-20 2.3	1.213	2.186	10.3	20.0
6 20	18 41.31	-19 35.7	1.702	2.706	4.3	19.8	6 20	18 41.57	-20 22.3	1.156	2.162	5.2	19.6
6 30	18 31.53	-19 54.0	1.702	2.718	1.3	19.6	6 30	18 31.52	-20 46.7	1.122	2.138	1.3	19.3
7 10	18 21.95	-20 13.2	1.729	2.729	4.9	19.9	7 10	18 21.16	-21 13.2	1.112	2.115	6.3	19.5
7 20	18 13.59	-20 32.2	1.782	2.740	8.8	20.1	7 20	18 12.00	-21 39.5	1.126	2.092	11.7	19.8
7 30	18 7.26	-20 50.5	1.860	2.751	12.3	20.4	7 30	18 5.43	-22 4.9	1.160	2.070	16.7	20.0
<b>476347</b>	2008 AS <sub>117</sub>		6 29.0 341°43'	5°0'/28.7	18		<b>50666</b>	2000 EQ <sub>104</sub>		6 29.0 177°25'	0°9'/29.2	18	
5 21	19 2.12	-36 31.6	2.035	2.847	14.4	21.4	5 21	19 2.25	-19 7.2	1.934	2.747	15.0	18.7
5 31	18 57.74	-36 55.7	1.953	2.845	11.7	21.2	5 31	18 57.62	-19 25.0	1.849	2.749	11.9	18.5
6 10	18 50.69	-37 13.0	1.891	2.843	8.8	21.0	6 10	18 50.55	-19 48.9	1.786	2.750	8.2	18.2
6 20	18 41.62	-37 19.2	1.853	2.840	6.0	20.9	6 20	18 41.58	-20 17.3	1.747	2.751	4.1	18.0
6 30	18 31.51	-37 11.0	1.841	2.838	5.0	20.8	6 30	18 31.57	-20 47.9	1.735	2.751	1.0	17.7
7 10	18 21.58	-36 47.3	1.856	2.837	6.7	20.9	7 10	18 21.61	-21 18.5	1.751	2.751	4.8	18.0
7 20	18 12.96	-36 10.1	1.896	2.835	9.6	21.1	7 20	18 12.73	-21 47.5	1.793	2.750	8.8	18.3
7 30	18 6.58	-35 23.1	1.959	2.834	12.6	21.3	7 30	18 5.82	-22 14.2	1.860	2.749	12.4	18.5
<b>53306</b>	1999 HA <sub>3</sub>		6 29.0 102°07'	4°4'/28.1	18		<b>305359</b>	2008 BW <sub>32</sub>		6 29.0 91°91'	0°9'/28.9	17	
5 21	19 1.67	-33 31.2	2.195	3.006	13.5	18.7	5 21	18 59.63	-25 41.5	2.278	3.093	13.0	21.0
5 31	18 57.16	-34 24.6	2.117	3.011	10.9	18.5	5 31	18 55.12	-25 49.0	2.202	3.104	10.2	20.8
6 10	18 50.21	-35 15.2	2.062	3.016	8.0	18.3	6 10	18 48.56	-25 56.5	2.149	3.114	7.0	20.6
6 20	18 41.38	-35 58.2	2.031	3.021	5.3	18.2	6 20	18 40.49	-26 2.0	2.120	3.125	3.4	20.4
6 30	18 31.54	-36 29.5	2.028	3.026	4.5	18.1	6 30	18 31.70	-26 4.2	2.120	3.135	1.0	20.3
7 10	18 21.78	-36 47.0	2.051	3.031	6.2	18.3	7 10	18 23.09	-26 2.1	2.147	3.145	4.2	20.5
7 20	18 13.14	-36 50.6	2.100	3.036	9.0	18.4	7 20	18 15.49	-25 56.1	2.201	3.156	7.6	20.8
7 30	18 6.49	-36 42.7	2.173	3.040	11.8	18.6	7 30	18 9.61	-25 47.1	2.280	3.166	10.6	21.0
<b>358310</b>	2006 UV <sub>240</sub>		6 29.0 179°63'	2°3'/28.4	18		<b>133526</b>	2003 SE <sub>315</sub>		6 29.0 263°56'	0°4'/29.2	18	
5 21	19 0.47	-30 0.8	3.174	3.970	10.1	23.1	5 21	19 0.21	-18 36.9	1.997	2.812	14.6	20.0
5 31	18 55.35	-30 38.9	3.083	3.971	8.0	22.9	5 31	18 56.16	-19 20.2	1.899	2.800	11.6	19.7
6 10	18 48.54	-31 16.0	3.016	3.972	5.6	22.7	6 10	18 49.69	-20 12.4	1.823	2.789	8.0	19.5
6 20	18 40.44	-31 49.3	2.976	3.972	3.3	22.6	6 20	18 41.24	-21 11.2	1.772	2.777	4.0	19.2
6 30	18 31.65	-32 16.7	2.965	3.972	2.3	22.5	6 30	18 31.60	-22 13.1	1.748	2.765	0.5	18.9
7 10	18 22.86	-32 36.6	2.984	3.971	4.0	22.6	7 10	18 21.79	-23 14.5	1.752	2.752	4.7	19.2
7 20	18 14.76	-32 48.6	3.032	3.970	6.4	22.8	7 20	18 12.88	-24 12.2	1.783	2.740	8.9	19.4
7 30	18 7.97	-32 53.6	3.105	3.968	8.7	22.9	7 30	18 5.81	-25 4.5	1.838	2.728	12.6	19.6
<b>225849</b>	2001 XS <sub>159</sub>		6 29.0 89°40'	1°4'/29.1	18		<b>106122</b>	2000 TE <sub>34</sub>		6 29.0 234°28'	2°3'/29.2	18	
5 21	19 4.51	-21 16.6	1.853	2.668	15.5	20.0	5 21	19 2.85	-18 23.1	1.745	2.563	16.2	19.9
5 31	18 59.06	-20 46.8	1.790	2.691	12.2	19.8	5 31	18 58.44	-18 4.9	1.652	2.553	13.0	19.7
6 10	18 51.23	-20 18.8	1.749	2.713	8.4	19.7	6 10	18 51.33	-17 51.3	1.578	2.542	9.2	19.4
6 20	18 41.72	-19 52.2	1.732	2.736	4.2	19.5	6 20	18 42.05	-17 42.3	1.529	2.530	4.9	19.2
6 30	18 31.52	-19 27.2	1.742	2.758	1.4	19.3	6 30	18 31.52	-17 37.3	1.505	2.518	2.3	19.0
7 10	18 21.74	-19 4.2	1.780	2.779	4.9	19.6	7 10	18 20.95	-17 36.1	1.508	2.506	5.7	19.1
7 20	18 13.32	-18 44.2	1.845	2.800	8.7	19.9	7 20	18 11.53	-17 38.3	1.536	2.493	10.0	19.4
7 30	18 7.02	-18 27.8	1.934	2.821	12.1	20.1	7 30	18 4.28	-17 43.9	1.588	2.479	14.1	19.6
<b>37097</b>	2000 UM <sub>90</sub>		6 29.0 228°83'	3°8'/28.2	18		<b>384021</b>	2008 UF <sub>97</sub>		6 29.0 223°01'	1°3'/29.3	18	
5 21	19 0.74	-33 19.2	2.527	3.332	12.1	19.0	5 21	19 0.27	-18 38.4	2.330	3.136	13.0	22.0
5 31	18 56.17	-34 2.3	2.435	3.326	9.8	18.8	5 31	18 55.70	-18 42.1	2.232	3.126	10.4	21.8
6 10	18 49.42	-34 42.9	2.366	3.320	7.1	18.6	6 10	18 49.07	-18 50.4	2.155	3.116	7.2	21.6
6 20	18 40.98	-35 17.1	2.323	3.313	4.7	18.4	6 20	18 40.82	-19 2.5	2.103	3.106	3.8	21.3
6 30	18 31.58	-35 41.6	2.307	3.307	3.8	18.4	6 30	18 31.66	-19 17.3	2.080	3.095	1.3	21.1
7 10	18 22.18	-35 54.5	2.319	3.300	5.5	18.5	7 10	18 22.47	-19 33.5	2.085	3.083	4.3	21.3
7 20	18 13.68	-35 55.7	2.357	3.292	8.2	18.6	7 20	18 14.09	-19 50.3	2.117	3.071	7.9	21.5
7 30	18 6.88	-35 46.9	2.420	3.285	10.8	18.8	7 30	18 7.31	-20 7.3	2.175	3.059	11.1	21.7
<b>387971</b>	2005 JU <sub>41</sub>		6 29.0 168°96'	0°4'/28.9	16		<b>320595</b>	2008 BX <sub>33</sub>		6 29.0 103°29'	0°3'/29.0	17	
5 21	18 59.22	-23 10.0	2.071	2.891	13.9	21.7	5 21	19 3.71	-22 24.5	1.655	2.480	16.6	20.9
5 31	18 55.12	-23 26.4	1.987	2.891	11.0	21.5	5 31	18 59.05	-22 44.4	1.587	2.494	13.1	20.7
6 10	18 48.75	-23 45.4	1.924	2.891	7.5	21.3	6 10	18 51.62	-23 8.2	1.540	2.508	8.9	20.4
6 20	18 40.65	-24 5.1	1.886	2.891	3.7	21.0	6 20	18 42.10	-23 33.2	1.516	2.521	4.3	20.2
6 30	18 31.63	-24 23.2	1.875	2.892	0.6	20.8	6 30	18 31.55	-23 56.5	1.518	2.534	0.6	19.9
7 10	18 22.67	-24 38.3	1.892	2.892	4.5	21.1	7 10	18 21.25	-24 16.0	1.547	2.547	5.2	20.3
7 20	18 14.74	-24 49.6	1.935	2.892	8.3	21.3	7 20	18 12.38	-24 30.8	1.601	2.560	9.5	20.6
7 30	18 8.64	-24 57.6	2.002	2.892	11.6	21.5	7 30	18 5.86	-24 41.6	1.678	2.572	13.3	20.8
<b>494223</b>	2016 NQ <sub>11</sub>		6 29.0 191°85'	1°4'/29.2	18		<b>486824</b>	2014 JD <sub>27</sub>		6 29.0 346°21'	6°3'/30.6	17	
5 21	19 0.95	-19 52.0	2.045	2.858	14.3	21.5	5 21	18 54.56	-5 35.7	1.967	2.762	15.5	20.8
5 31	18 56.41	-19 39.7	1.958	2.857	11.3	21.3	5 31	18 51.44	-5 18.1	1.883	2.757	12.9	20.6
6 10	18 49.60	-19 30.7	1.892	2.856	7.9	21.1	6 10	18 46.26	-5 14.5	1.818	2.753	10.2	20.5
6 20	18 41.06	-19 24.3	1.851	2.854	4.1	20.9	6 20	18 39.48	-5 26.9	1.776	2.749	7.6	20.3
6 30	18 31.61	-19 20.0	1.838	2.853	1.4	20.7	6 30	18 31.82	-5 55.8	1.758	2.745	6.3	20.2
7 10	18 22.24	-19 17.2	1.851	2.850	4.7	20.9	7 10	18 24.18	-6 40.2	1.766	2.742	7.4	20.3
7 20	18 13.92	-19 15.9	1.892	2.848	8.5	21.1	7 20	18 17.43	-7 37.2	1.799	2.740	9.9	20.4
7 30	18 7.44	-19 16.3	1.957	2.845	12.0	21.4	7 30	18 12.32	-8 43.2	1.855	2.738	12.8	20.6
<b>265622</b>	2005 SJ <sub>138</sub>		6 29.0 348°93'	3°3'/28.7	18		<b>178048</b>	2006 RA <sub>97</sub>		6 29.0 60°26'	1°9'/28.9	17	
5 21	19 1.00												

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>146146</b>	2000 <i>SU</i> <sub>91</sub>		6 29.0 241°30	1°2/28.9	18		<b>428504</b>	2007 <i>XS</i> <sub>22</sub>		6 29.1 230°51	0°7/28.9	17	
5 21	19 0.63	-27 41.3	2.460	3.269	12.3	20.1	5 21	19 3.52	-22 43.7	1.760	2.581	15.9	21.5
5 31	18 55.92	-27 36.5	2.362	3.259	9.7	19.9	5 31	18 59.15	-23 13.9	1.667	2.572	12.7	21.2
6 10	18 49.16	-27 29.7	2.286	3.250	6.7	19.7	6 10	18 51.96	-23 49.2	1.595	2.563	8.8	21.0
6 20	18 40.84	-27 19.2	2.236	3.240	3.4	19.4	6 20	18 42.45	-24 26.7	1.547	2.552	4.3	20.7
6 30	18 31.69	-27 3.6	2.215	3.230	1.3	19.3	6 30	18 31.56	-25 2.6	1.525	2.542	0.9	20.4
7 10	18 22.60	-26 42.9	2.221	3.219	4.2	19.4	7 10	18 20.56	-25 34.0	1.530	2.530	5.4	20.7
7 20	18 14.42	-26 17.8	2.256	3.209	7.5	19.6	7 20	18 10.70	-25 59.2	1.561	2.518	9.9	20.9
7 30	18 7.87	-25 50.0	2.315	3.198	10.6	19.8	7 30	18 3.11	-26 18.4	1.616	2.506	13.9	21.1
<b>178703</b>	2000 <i>ST</i> <sub>121</sub>		6 29.0 241°53	3°7/28.1	18		<b>31270</b>	1998 <i>FP</i> <sub>14</sub>		6 29.1 218°47	4°2/29.6	18	
5 21	19 1.30	-33 27.4	2.681	3.482	11.6	20.9	5 21	18 57.07	-11 20.7	2.377	3.171	13.1	18.6
5 31	18 56.56	-34 11.6	2.581	3.469	9.4	20.7	5 31	18 53.01	-10 51.6	2.287	3.168	10.7	18.4
6 10	18 49.71	-34 53.5	2.503	3.455	6.9	20.5	6 10	18 47.12	-10 29.8	2.219	3.165	8.0	18.2
6 20	18 41.17	-35 29.5	2.451	3.441	4.6	20.3	6 20	18 39.85	-10 16.4	2.175	3.161	5.4	18.0
6 30	18 31.65	-35 56.2	2.428	3.426	3.8	20.3	6 30	18 31.85	-10 12.1	2.159	3.157	4.2	17.9
7 10	18 22.04	-36 11.6	2.432	3.411	5.4	20.3	7 10	18 23.90	-10 16.9	2.169	3.153	5.6	18.0
7 20	18 13.24	-36 15.4	2.463	3.396	8.0	20.5	7 20	18 16.73	-10 30.1	2.207	3.149	8.2	18.2
7 30	18 6.05	-36 9.0	2.520	3.381	10.6	20.6	7 30	18 11.00	-10 50.3	2.269	3.145	11.0	18.4
<b>490389</b>	2009 <i>QK</i> <sub>1</sub>		6 29.0 10°65	22°6/14.4	17		<b>464848</b>	2005 <i>EE</i> <sub>257</sub>		6 29.1 67°49	0°9/29.1	17	
5 21	18 57.20	+23 9.0	1.012	1.730	31.3	20.3	5 21	19 2.46	-21 14.8	1.412	2.250	18.4	21.7
5 31	18 55.34	+23 58.0	0.960	1.730	29.6	20.1	5 31	18 58.45	-21 8.9	1.348	2.261	14.5	21.4
6 10	18 49.88	+23 56.0	0.915	1.732	27.7	19.9	6 10	18 51.41	-21 7.2	1.303	2.273	9.9	21.2
6 20	18 41.53	+22 50.5	0.880	1.736	25.6	19.8	6 20	18 42.07	-21 8.2	1.280	2.285	4.9	20.9
6 30	18 31.62	+20 32.6	0.857	1.740	23.8	19.7	6 30	18 31.62	-21 10.5	1.281	2.297	1.0	20.7
7 10	18 21.87	+17 3.8	0.850	1.746	22.7	19.6	7 10	18 21.52	-21 12.7	1.308	2.310	5.7	21.1
7 20	18 13.93	+12 37.0	0.860	1.753	22.8	19.7	7 20	18 13.03	-21 14.8	1.359	2.322	10.5	21.4
7 30	18 9.08	+7 34.2	0.890	1.761	24.1	19.8	7 30	18 7.14	-21 17.2	1.432	2.334	14.6	21.6
<b>82542</b>	2001 <i>OH</i> <sub>67</sub>		6 29.0 319°25	0°6/28.9	18		<b>253563</b>	2003 <i>SK</i> <sub>269</sub>		6 29.1 212°75	3°9/28.5	17	
5 21	18 56.77	-23 11.9	1.329	2.183	18.4	19.2	5 21	19 6.40	-31 34.5	1.860	2.674	15.5	21.3
5 31	18 54.75	-23 26.4	1.239	2.162	14.7	18.9	5 31	19 1.42	-32 10.2	1.771	2.668	12.4	21.1
6 10	18 49.48	-23 45.8	1.166	2.141	10.2	18.5	6 10	18 53.48	-32 43.7	1.702	2.662	8.9	20.9
6 20	18 41.42	-24 7.8	1.115	2.122	5.1	18.2	6 20	18 43.17	-33 10.0	1.658	2.655	5.5	20.7
6 30	18 31.62	-24 28.9	1.086	2.103	0.8	17.8	6 30	18 31.51	-33 24.6	1.641	2.647	3.9	20.6
7 10	18 21.60	-24 46.4	1.081	2.084	6.3	18.2	7 10	18 19.86	-33 25.3	1.650	2.639	6.5	20.7
7 20	18 12.95	-24 58.9	1.099	2.067	11.8	18.4	7 20	18 9.54	-33 12.5	1.685	2.630	10.2	20.9
7 30	18 7.02	-25 6.9	1.137	2.050	16.7	18.6	7 30	18 1.65	-32 49.5	1.743	2.621	13.7	21.1
<b>494511</b>	2016 <i>XN</i> <sub>15</sub>		6 29.0 280°61	6°1/27.7	18		<b>109062</b>	2001 <i>QM</i> <sub>19</sub>		6 29.1 280°31	0°8/29.0	18	
5 21	19 2.52	-38 6.0	2.200	3.005	13.7	20.8	5 21	19 1.71	-24 58.2	1.714	2.543	16.0	19.9
5 31	18 58.24	-39 3.8	2.106	2.990	11.3	20.6	5 31	18 57.90	-25 0.4	1.613	2.522	12.8	19.6
6 10	18 51.25	-39 56.9	2.033	2.976	8.8	20.4	6 10	18 51.22	-25 3.4	1.532	2.501	8.9	19.3
6 20	18 42.07	-40 39.6	1.985	2.961	6.7	20.2	6 20	18 42.15	-25 4.9	1.475	2.480	4.4	19.0
6 30	18 31.57	-41 7.1	1.962	2.946	6.1	20.2	6 30	18 31.63	-25 2.8	1.443	2.459	0.9	18.7
7 10	18 20.98	-41 16.5	1.965	2.931	7.6	20.2	7 10	18 20.95	-24 55.7	1.437	2.438	5.5	19.0
7 20	18 11.48	-41 7.9	1.994	2.916	10.2	20.4	7 20	18 11.43	-24 43.9	1.456	2.416	10.2	19.2
7 30	18 4.14	-40 44.3	2.046	2.901	12.9	20.5	7 30	18 4.21	-24 29.1	1.498	2.394	14.5	19.4
<b>250912</b>	2005 <i>WJ</i> <sub>6</sub>		6 29.0 119°38	0°7/28.9	18		<b>349355</b>	2007 <i>VM</i> <sub>145</sub>		6 29.1 239°37	2°9/28.6	18	
5 21	18 58.40	-24 23.6	2.603	3.412	11.7	20.8	5 21	19 1.20	-30 17.4	2.187	3.002	13.5	21.1
5 31	18 53.94	-24 41.6	2.523	3.421	9.2	20.6	5 31	18 56.78	-30 43.9	2.097	2.996	10.7	20.9
6 10	18 47.68	-25 0.7	2.466	3.430	6.2	20.4	6 10	18 50.00	-31 8.6	2.028	2.990	7.6	20.7
6 20	18 40.08	-25 19.1	2.434	3.439	3.1	20.2	6 20	18 41.37	-31 28.1	1.985	2.984	4.4	20.5
6 30	18 31.81	-25 35.2	2.431	3.447	0.8	20.0	6 30	18 31.72	-31 39.5	1.968	2.977	2.9	20.3
7 10	18 23.65	-25 47.9	2.457	3.455	3.7	20.3	7 10	18 22.12	-31 41.2	1.979	2.971	5.3	20.5
7 20	18 16.32	-25 56.6	2.510	3.464	6.8	20.5	7 20	18 13.55	-31 33.4	2.016	2.964	8.6	20.7
7 30	18 10.47	-26 1.9	2.589	3.471	9.6	20.7	7 30	18 6.89	-31 18.1	2.078	2.958	11.7	20.9
<b>311525</b>	2005 <i>XE</i> <sub>91</sub>		6 29.0 206°66	1°1/28.9	18		<b>476280</b>	2007 <i>VD</i> <sub>218</sub>		6 29.1 319°44	3°0/28.3	18	
5 21	18 58.42	-26 17.8	2.738	3.545	11.2	21.7	5 21	18 58.44	-26 55.2	1.713	2.548	15.7	21.1
5 31	18 53.96	-26 29.8	2.645	3.542	8.9	21.6	5 31	18 55.41	-27 50.0	1.622	2.534	12.5	20.8
6 10	18 47.72	-26 41.8	2.575	3.539	6.1	21.4	6 10	18 49.56	-28 48.6	1.551	2.519	8.8	20.6
6 20	18 40.12	-26 51.8	2.531	3.535	3.1	21.2	6 20	18 41.35	-29 46.6	1.503	2.506	4.9	20.3
6 30	18 31.81	-26 58.4	2.516	3.531	1.1	21.0	6 30	18 31.71	-30 38.8	1.481	2.492	3.1	20.1
7 10	18 23.55	-27 0.7	2.529	3.526	3.8	21.2	7 10	18 21.91	-31 20.8	1.485	2.480	6.3	20.3
7 20	18 16.05	-26 58.6	2.570	3.522	6.8	21.4	7 20	18 13.23	-31 50.8	1.513	2.467	10.4	20.5
7 30	18 9.97	-26 52.9	2.637	3.517	9.5	21.6	7 30	18 6.82	-32 9.3	1.564	2.455	14.2	20.7
<b>34802</b>	2001 <i>SP</i> <sub>61</sub>		6 29.1 169°54	0°1/29.1	18		<b>476454</b>	2008 <i>EC</i> <sub>65</sub>		6 29.1 112°66	6°5/30.4	18	
5 21	19 2.15	-22 32.9	1.917	2.736	14.9	19.7	5 21	18 56.70	- 2 55.6	2.518	3.281	13.3	21.8
5 31	18 57.58	-22 42.2	1.835	2.738	11.8	19.5	5 31	18 52.47	- 2 16.7	2.445	3.293	11.2	21.6
6 10	18 50.55	-22 54.4	1.773	2.740	8.1	19.3	6 10	18 46.61	- 1 49.4	2.393	3.305	9.1	21.5
6 20	18 41.61	-23 7.5	1.736	2.742	3.9	19.1	6 20	18 39.56	- 1 35.8	2.364	3.316	7.3	21.4
6 30	18 31.66	-23 19.5	1.726	2.743	0.4	18.8	6 30	18 31.94	- 1 37.0	2.361	3.328	6.5	21.4
7 10	18 21.81	-23 29.0	1.743	2.744	4.8	19.1	7 10	18 24.44	- 1 52.8	2.385	3.339	7.1	21.4
7 20	18 13.12	-23 35.5	1.787	2.744	8.8	19.4	7 20	18 17.71	- 2 21.7	2.435	3.350	8.9	21.6
7 30	18 6.46	-23 39.7	1.854	2.745	12.4	19.6	7 30	18 12.33	- 3 1.2	2.509	3.361	10.9	21.7
<b>262065</b>	2006 <i>RH</i> <sub>43</sub>		6 29.1 198°54	1°5/28.8	17		<b>246881</b> </						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>250562</b>	2004 <i>RW</i> <sub>252</sub>		6 29.1 184°79	4°1/28.9	18		<b>122298</b>	2000 <i>PP</i> <sub>25</sub>		6 29.1 290°86	6°4/28.5	18	
5 21	18 59.45	-11 50.7	2.842	3.622	11.5	20.4	5 21	19 0.88	-12 3.5	1.775	2.583	16.4	19.1
5 31	18 54.45	-10 50.0	2.750	3.622	9.4	20.2	5 31	18 57.01	-10 46.1	1.663	2.552	13.6	18.8
6 10	18 47.88	-9 53.4	2.682	3.622	7.1	20.1	6 10	18 50.51	-9 31.6	1.572	2.520	10.5	18.6
6 20	18 40.17	-9 2.6	2.641	3.621	5.0	19.9	6 20	18 41.81	-8 23.7	1.505	2.489	7.5	18.3
6 30	18 31.88	-8 19.4	2.628	3.620	4.1	19.9	6 30	18 31.72	-7 26.3	1.463	2.457	6.5	18.2
7 10	18 23.69	-7 44.8	2.644	3.619	5.4	19.9	7 10	18 21.36	-6 42.8	1.446	2.424	8.5	18.2
7 20	18 16.21	-7 19.6	2.688	3.617	7.6	20.1	7 20	18 11.89	-6 15.2	1.454	2.392	12.1	18.3
7 30	18 10.00	-7 3.5	2.758	3.615	9.9	20.2	7 30	18 4.41	-6 3.7	1.485	2.359	15.8	18.5
<b>67019</b>	1999 <i>XF</i> <sub>137</sub>		6 29.1 7°89	1°3/29.1	17		<b>498455</b>	2008 <i>BF</i> <sub>38</sub>		6 29.1 130°85	2°6/28.9	17	
5 21	18 59.97	-22 13.6	1.321	2.168	18.8	18.9	5 21	19 6.97	-29 49.3	1.814	2.630	15.8	22.3
5 31	18 56.85	-21 44.3	1.249	2.168	14.9	18.7	5 31	19 1.52	-30 0.3	1.741	2.641	12.5	22.1
6 10	18 50.54	-21 16.5	1.196	2.169	10.3	18.4	6 10	18 53.28	-30 8.2	1.690	2.652	8.7	21.9
6 20	18 41.75	-20 49.9	1.165	2.171	5.2	18.1	6 20	18 42.95	-30 9.5	1.662	2.663	4.8	21.6
6 30	18 31.71	-20 24.4	1.157	2.173	1.4	17.9	6 30	18 31.63	-30 1.3	1.661	2.673	2.6	21.5
7 10	18 21.91	-20 0.7	1.173	2.176	6.1	18.2	7 10	18 20.62	-29 43.3	1.687	2.683	5.6	21.7
7 20	18 13.74	-19 39.8	1.213	2.179	11.1	18.5	7 20	18 11.11	-29 17.0	1.740	2.692	9.4	22.0
7 30	18 8.27	-19 23.1	1.274	2.183	15.6	18.8	7 30	18 4.00	-28 45.5	1.816	2.700	12.9	22.2
<b>435597</b>	2008 <i>SB</i> <sub>21</sub>		6 29.1 260°57	2°0/29.3	16		<b>430927</b>	2005 <i>TC</i> <sub>134</sub>		6 29.1 177°67	0°3/29.1	17	
5 21	19 0.14	-18 18.6	1.947	2.763	14.8	22.0	5 21	19 2.02	-21 55.5	1.901	2.719	15.0	22.5
5 31	18 56.09	-18 6.5	1.848	2.748	11.9	21.7	5 31	18 57.53	-22 0.1	1.817	2.720	11.9	22.3
6 10	18 49.63	-17 59.1	1.770	2.734	8.4	21.5	6 10	18 50.55	-22 7.7	1.755	2.721	8.2	22.1
6 20	18 41.25	-17 56.0	1.716	2.718	4.5	21.2	6 20	18 41.66	-22 16.9	1.717	2.722	4.0	21.8
6 30	18 31.76	-17 56.9	1.689	2.703	2.0	21.0	6 30	18 31.76	-22 25.7	1.705	2.722	0.5	21.5
7 10	18 22.18	-18 1.0	1.689	2.687	5.1	21.2	7 10	18 21.95	-22 33.0	1.721	2.722	4.8	21.9
7 20	18 13.58	-18 7.9	1.715	2.671	9.2	21.4	7 20	18 13.29	-22 38.4	1.763	2.721	8.9	22.1
7 30	18 6.85	-18 17.3	1.764	2.655	12.9	21.6	7 30	18 6.66	-22 42.2	1.829	2.720	12.5	22.3
<b>476879</b>	2008 <i>VW</i> <sub>39</sub>		6 29.1 292°53	2°9/28.6	18		<b>369509</b>	2010 <i>VJ</i> <sub>114</sub>		6 29.1 168°55	0°2/29.1	17	
5 21	19 1.00	-28 53.6	1.778	2.606	15.5	21.5	5 21	19 4.11	-24 10.9	1.788	2.608	15.8	21.0
5 31	18 57.42	-29 22.0	1.676	2.583	12.5	21.2	5 31	18 59.30	-24 2.7	1.707	2.611	12.5	20.8
6 10	18 50.95	-29 50.5	1.594	2.560	8.8	21.0	6 10	18 51.82	-23 54.9	1.646	2.613	8.6	20.6
6 20	18 42.06	-30 15.2	1.535	2.537	5.0	20.7	6 20	18 42.28	-23 45.9	1.610	2.615	4.2	20.3
6 30	18 31.66	-30 32.0	1.502	2.514	3.0	20.5	6 30	18 31.70	-23 34.3	1.600	2.616	0.5	20.0
7 10	18 21.05	-30 38.2	1.495	2.490	6.1	20.6	7 10	18 21.30	-23 19.6	1.617	2.618	5.0	20.4
7 20	18 11.56	-30 33.4	1.513	2.467	10.4	20.8	7 20	18 12.21	-23 2.9	1.660	2.618	9.3	20.6
7 30	18 4.37	-30 19.7	1.553	2.444	14.4	21.0	7 30	18 5.35	-22 45.6	1.727	2.619	13.1	20.8
<b>485706</b>	2011 <i>YZ</i> <sub>71</sub>		6 29.1 240°39	3°4/30.0	18		<b>204013</b>	2003 <i>UU</i> <sub>38</sub>		6 29.1 321°65	1°1/29.2	18	
5 21	18 57.10	-10 6.7	2.823	3.604	11.6	21.6	5 21	18 59.46	-21 1.2	1.851	2.675	15.2	20.4
5 31	18 52.84	-10 12.7	2.717	3.590	9.5	21.5	5 31	18 55.56	-20 48.5	1.767	2.673	12.0	20.2
6 10	18 46.96	-10 27.2	2.634	3.576	7.0	21.3	6 10	18 49.24	-20 38.5	1.703	2.670	8.3	20.0
6 20	18 39.80	-10 50.7	2.575	3.562	4.6	21.1	6 20	18 41.03	-20 30.6	1.663	2.668	4.2	19.7
6 30	18 31.92	-11 22.7	2.545	3.547	3.4	21.0	6 30	18 31.84	-20 24.0	1.650	2.666	1.1	19.5
7 10	18 23.96	-12 1.9	2.544	3.531	4.7	21.1	7 10	18 22.75	-20 18.3	1.663	2.664	4.9	19.7
7 20	18 16.58	-12 46.8	2.571	3.515	7.2	21.2	7 20	18 14.79	-20 13.6	1.702	2.662	9.0	20.0
7 30	18 10.39	-13 35.4	2.624	3.499	9.7	21.4	7 30	18 8.82	-20 10.3	1.764	2.660	12.7	20.2
<b>418181</b>	2008 <i>BD</i> <sub>46</sub>		6 29.1 216°93	3°0/29.6	17		<b>441804</b>	2009 <i>FW</i> <sub>73</sub>		6 29.1 356°81	5°7/30.9	16	
5 21	19 1.38	-15 3.8	1.745	2.560	16.3	21.8	5 21	18 48.09	-8 44.5	1.224	2.075	19.8	19.1
5 31	18 57.23	-15 1.7	1.658	2.556	13.1	21.6	5 31	18 47.65	-8 55.1	1.151	2.065	16.4	18.9
6 10	18 50.49	-15 8.6	1.591	2.551	9.4	21.4	6 10	18 44.41	-9 26.8	1.095	2.058	12.3	18.6
6 20	18 41.69	-15 24.3	1.547	2.546	5.4	21.1	6 20	18 38.88	-10 21.1	1.059	2.053	8.2	18.4
6 30	18 31.72	-15 47.9	1.529	2.540	3.0	21.0	6 30	18 32.05	-11 36.6	1.044	2.050	5.7	18.2
7 10	18 21.73	-16 17.6	1.537	2.534	5.8	21.1	7 10	18 25.23	-13 8.5	1.052	2.050	7.6	18.3
7 20	18 12.86	-16 51.5	1.571	2.528	9.8	21.3	7 20	18 19.69	-14 49.6	1.082	2.051	11.7	18.5
7 30	18 6.08	-17 27.7	1.628	2.521	13.7	21.6	7 30	18 16.54	-16 32.7	1.132	2.056	15.9	18.8
<b>101507</b>	1998 <i>XG</i> <sub>18</sub>		6 29.1 238°55	1°2/29.2	17		<b>50635</b>	2000 <i>EY</i> <sub>76</sub>		6 29.1 230°26	0°2/29.0	18	
5 21	18 59.43	-20 7.6	2.106	2.921	13.9	20.5	5 21	19 2.36	-21 36.2	1.833	2.653	15.5	20.1
5 31	18 55.25	-19 58.1	2.015	2.916	11.0	20.3	5 31	18 58.09	-22 4.8	1.742	2.646	12.3	19.9
6 10	18 48.87	-19 51.7	1.946	2.911	7.6	20.1	6 10	18 51.17	-22 39.0	1.671	2.637	8.5	19.6
6 20	18 40.81	-19 47.9	1.901	2.905	3.9	19.9	6 20	18 42.09	-23 16.4	1.624	2.629	4.2	19.3
6 30	18 31.84	-19 45.9	1.884	2.899	1.3	19.7	6 30	18 31.74	-23 53.6	1.604	2.620	0.5	19.0
7 10	18 22.91	-19 45.1	1.894	2.893	4.5	19.9	7 10	18 21.31	-24 27.8	1.610	2.611	5.1	19.3
7 20	18 14.94	-19 45.5	1.930	2.887	8.3	20.1	7 20	18 11.97	-24 57.2	1.643	2.601	9.4	19.6
7 30	18 8.72	-19 47.0	1.991	2.881	11.7	20.3	7 30	18 4.74	-25 21.6	1.700	2.591	13.3	19.8
<b>361052</b>	2005 <i>YC</i> <sub>43</sub>		6 29.1 184°40	1°2/29.3	17		<b>496954</b>	2002 <i>AM</i> <sub>80</sub>		6 29.1 187°83	1°0/28.9	17	
5 21	19 3.80	-18 36.4	1.548	2.373	17.6	20.9	5 21	19 3.35	-25 40.8	2.248	3.056	13.4	22.7
5 31	18 59.52	-18 53.8	1.467	2.373	14.0	20.7	5 31	18 58.23	-25 49.1	2.158	3.056	10.5	22.5
6 10	18 52.26	-19 19.4	1.406	2.373	9.7	20.5	6 10	18 50.87	-25 57.5	2.091	3.054	7.3	22.3
6 20	18 42.62	-19 51.4	1.368	2.373	4.9	20.2	6 20	18 41.79	-26 3.8	2.049	3.053	3.6	22.0
6 30	18 31.64	-20 27.0	1.356	2.372	1.3	19.9	6 30	18 31.80	-26 6.1	2.035	3.051	1.0	21.8
7 10	18 20.69	-21 3.1	1.370	2.371	5.7	20.2	7 10	18 21.88	-26 3.6	2.049	3.048	4.4	22.1
7 20	18 11.11	-21 37.5	1.408	2.369	10.4	20.5	7 20	18 12.99	-25 56.3	2.091	3.044	8.0	22.3
7 30	18 3.98	-22 9.4	1.470	2.367	14.6	20.7	7 30	18 5.91	-25 45.7	2.158	3.040	11.3	22.5
<b>104147</b>	2000 <i>EH</i> <sub>67</sub>		6 29.1 247°24	0°6/29.2	18		<b>441359</b>	2008 <i>DH</i> <sub>72</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>184905</b>	2005 <i>UX</i> <sub>325</sub>		6 29.1 132°41'	0°1'/29.1 18			<b>75739</b>	2000 <i>AQ</i> <sub>145</sub>		6 29.1 147°78'	1°2'/29.2 18		
5 21	18 58.54	-22 51.6	2.604	3.412	11.7	21.3	5 21	19 0.96	-19 57.6	2.396	3.200	12.8	19.6
5 31	18 54.06	-23 2.9	2.522	3.420	9.2	21.1	5 31	18 56.02	-19 43.9	2.314	3.208	10.1	19.4
6 10	18 47.80	-23 15.9	2.463	3.427	6.3	20.9	6 10	18 49.17	-19 32.6	2.254	3.216	6.9	19.2
6 20	18 40.21	-23 29.3	2.430	3.434	3.1	20.7	6 20	18 40.90	-19 23.4	2.221	3.223	3.6	19.0
6 30	18 31.97	-23 41.6	2.425	3.442	0.3	20.5	6 30	18 31.95	-19 15.8	2.215	3.230	1.3	18.9
7 10	18 23.82	-23 51.8	2.449	3.448	3.7	20.8	7 10	18 23.14	-19 9.5	2.238	3.237	4.1	19.1
7 20	18 16.50	-23 59.7	2.500	3.455	6.8	21.0	7 20	18 15.26	-19 4.6	2.289	3.243	7.4	19.3
7 30	18 10.62	-24 5.3	2.578	3.462	9.6	21.2	7 30	18 8.96	-19 1.4	2.365	3.248	10.4	19.5
<b>232184</b>	2002 <i>EP</i> <sub>102</sub>		6 29.1 337°59'	4°2'/29.1 18			<b>442562</b>	2012 <i>AL</i> <sub>16</sub>		6 29.1 299°47'	2°0'/28.7 18		
5 21	19 3.29	-33 58.3	1.616	2.445	16.8	19.7	5 21	18 58.55	-27 41.3	2.329	3.145	12.7	21.3
5 31	18 59.30	-34 3.8	1.535	2.440	13.6	19.5	5 31	18 54.53	-28 9.7	2.240	3.142	10.0	21.1
6 10	18 52.16	-34 2.1	1.474	2.435	9.9	19.2	6 10	18 48.39	-28 38.1	2.174	3.138	7.0	20.9
6 20	18 42.57	-33 48.9	1.435	2.431	6.1	19.0	6 20	18 40.62	-29 3.9	2.133	3.135	3.8	20.7
6 30	18 31.72	-33 21.1	1.420	2.427	4.3	18.9	6 30	18 31.96	-29 24.5	2.119	3.132	2.0	20.6
7 10	18 21.11	-32 38.5	1.431	2.424	6.8	19.0	7 10	18 23.34	-29 38.1	2.133	3.129	4.6	20.7
7 20	18 12.10	-31 44.2	1.467	2.421	10.7	19.2	7 20	18 15.62	-29 44.5	2.174	3.125	7.8	20.9
7 30	18 5.76	-30 43.2	1.525	2.419	14.4	19.4	7 30	18 9.57	-29 44.5	2.239	3.122	10.9	21.1
<b>106055</b>	2000 <i>SP</i> <sub>313</sub>		6 29.1 211°87'	0°8'/29.1 18			<b>180481</b>	2004 <i>CE</i> <sub>68</sub>		6 29.1 255°46'	3°6'/29.7 18		
5 21	19 0.63	-26 44.6	2.439	3.249	12.4	19.3	5 21	19 1.23	-13 37.1	1.787	2.597	16.2	20.6
5 31	18 55.89	-26 33.2	2.348	3.246	9.8	19.1	5 31	18 57.24	-13 31.6	1.687	2.581	13.2	20.4
6 10	18 49.14	-26 20.0	2.279	3.243	6.7	18.9	6 10	18 50.64	-13 35.9	1.606	2.563	9.6	20.1
6 20	18 40.90	-26 3.6	2.236	3.240	3.4	18.7	6 20	18 41.89	-13 50.4	1.549	2.546	5.8	19.8
6 30	18 31.90	-25 43.2	2.221	3.236	0.9	18.5	6 30	18 31.83	-14 14.9	1.518	2.527	3.6	19.7
7 10	18 23.02	-25 18.9	2.234	3.233	4.0	18.8	7 10	18 21.57	-14 47.7	1.513	2.509	6.1	19.8
7 20	18 15.08	-24 51.7	2.275	3.229	7.4	19.0	7 20	18 12.28	-15 26.7	1.534	2.489	10.2	20.0
7 30	18 8.77	-24 23.0	2.341	3.226	10.4	19.2	7 30	18 5.00	-16 9.9	1.578	2.470	14.1	20.2
<b>182022</b>	2000 <i>AD</i> <sub>27</sub>		6 29.1 161°21'	1°0'/28.9 18			<b>26402</b>	1999 <i>WB</i> <sub>5</sub>		6 29.1 125°23'	1°6'/29.3 18		
5 21	19 4.48	-24 39.4	1.962	2.776	14.8	21.1	5 21	19 3.08	-18 32.4	1.769	2.586	16.1	19.4
5 31	18 59.42	-25 1.2	1.881	2.781	11.7	20.9	5 31	18 58.38	-18 32.0	1.696	2.597	12.7	19.2
6 10	18 51.83	-25 24.8	1.822	2.787	8.0	20.7	6 10	18 51.13	-18 37.5	1.643	2.607	8.8	19.0
6 20	18 42.31	-25 47.5	1.787	2.791	4.0	20.5	6 20	18 41.97	-18 47.7	1.615	2.617	4.6	18.7
6 30	18 31.76	-26 6.3	1.780	2.795	1.1	20.3	6 30	18 31.84	-19 1.3	1.612	2.627	1.7	18.5
7 10	18 21.33	-26 19.5	1.800	2.799	4.9	20.5	7 10	18 21.91	-19 16.8	1.637	2.636	5.1	18.8
7 20	18 12.08	-26 26.8	1.847	2.802	8.8	20.8	7 20	18 13.25	-19 33.1	1.688	2.645	9.2	19.1
7 30	18 4.92	-26 29.1	1.919	2.804	12.3	21.0	7 30	18 6.72	-19 49.9	1.762	2.654	12.9	19.3
<b>398981</b>	2013 <i>EH</i> <sub>79</sub>		6 29.1 323°95'	4°4'/29.9 18			<b>311521</b>	2005 <i>XF</i> <sub>12</sub>		6 29.1 190°89'	0°3'/29.0 18 R		
5 21	18 55.35	-10 25.7	2.160	2.962	14.0	20.7	5 21	18 58.31	-23 53.6	2.832	3.637	11.0	21.7
5 31	18 51.95	-10 11.9	2.070	2.956	11.5	20.5	5 31	18 53.81	-24 1.8	2.740	3.635	8.6	21.6
6 10	18 46.59	-10 7.8	2.001	2.949	8.6	20.3	6 10	18 47.63	-24 11.0	2.670	3.634	5.9	21.4
6 20	18 39.72	-10 14.3	1.956	2.943	5.8	20.2	6 20	18 40.17	-24 19.9	2.628	3.632	2.9	21.2
6 30	18 32.02	-10 31.8	1.936	2.937	4.4	20.1	6 30	18 32.04	-24 27.1	2.613	3.630	0.5	21.0
7 10	18 24.33	-10 59.2	1.944	2.931	5.8	20.1	7 10	18 23.97	-24 31.8	2.628	3.627	3.5	21.2
7 20	18 17.44	-11 35.0	1.977	2.925	8.7	20.3	7 20	18 16.62	-24 34.0	2.671	3.625	6.5	21.4
7 30	18 12.10	-12 16.8	2.034	2.920	11.7	20.5	7 30	18 10.60	-24 33.9	2.740	3.622	9.2	21.6
<b>348294</b>	2004 <i>XM</i> <sub>145</sub>		6 29.1 99°98'	3°3'/29.6 18			<b>305425</b>	2008 <i>CY</i> <sub>138</sub>		6 29.1 161°05'	2°4'/28.7 18		
5 21	19 16.52	-35 21.9	1.578	2.385	18.1	19.8	5 21	19 0.94	-30 11.3	2.577	3.383	11.9	21.8
5 31	19 9.18	-34 38.4	1.508	2.400	14.6	19.6	5 31	18 56.12	-30 33.6	2.492	3.386	9.4	21.7
6 10	18 58.46	-33 42.3	1.458	2.415	10.4	19.4	6 10	18 49.32	-30 53.9	2.431	3.390	6.6	21.5
6 20	18 45.39	-32 30.4	1.432	2.430	5.9	19.2	6 20	18 41.02	-31 9.5	2.395	3.393	3.8	21.3
6 30	18 31.48	-31 2.5	1.434	2.445	3.3	19.0	6 30	18 31.97	-31 18.1	2.387	3.396	2.4	21.2
7 10	18 18.41	-29 22.8	1.463	2.459	6.2	19.3	7 10	18 23.01	-31 18.8	2.408	3.399	4.5	21.4
7 20	18 7.55	-27 38.2	1.519	2.473	10.4	19.5	7 20	18 14.96	-31 11.7	2.455	3.402	7.4	21.5
7 30	17 59.77	-25 56.1	1.600	2.486	14.3	19.8	7 30	18 8.53	-30 58.4	2.529	3.404	10.1	21.7
<b>477511</b>	2010 <i>CK</i> <sub>150</sub>		6 29.1 158°83'	0°1'/29.1 17			<b>64808</b>	2001 <i>XH</i> <sub>213</sub>		6 29.1 305°13'	5°4'/29.3 18		
5 21	19 1.34	-21 36.1	2.236	3.045	13.4	22.2	5 21	18 57.87	-14 22.6	1.270	2.113	19.7	18.9
5 31	18 56.59	-21 52.4	2.152	3.050	10.5	22.1	5 31	18 55.60	-13 37.4	1.180	2.093	16.1	18.6
6 10	18 49.72	-22 12.1	2.091	3.055	7.2	21.9	6 10	18 50.09	-13 0.0	1.108	2.073	11.9	18.3
6 20	18 41.23	-22 33.4	2.055	3.060	3.5	21.6	6 20	18 41.83	-12 33.3	1.056	2.053	7.6	18.0
6 30	18 31.90	-22 54.4	2.047	3.064	0.4	21.4	6 30	18 31.86	-12 19.5	1.026	2.033	5.4	17.8
7 10	18 22.65	-23 13.4	2.067	3.067	4.2	21.7	7 10	18 21.68	-12 19.6	1.019	2.014	8.3	17.9
7 20	18 14.36	-23 29.6	2.115	3.070	7.8	21.9	7 20	18 12.80	-12 33.2	1.034	1.996	13.1	18.1
7 30	18 7.79	-23 43.2	2.187	3.073	11.0	22.1	7 30	18 6.60	-12 58.4	1.069	1.978	17.9	18.4
<b>167484</b>	2003 <i>YJ</i> <sub>63</sub>		6 29.1 261°17'	1°9'/29.6 18			<b>404588</b>	2013 <i>LE</i> <sub>35</sub>		6 29.1 308°06'	1°8'/29.7 18		
5 21	18 59.08	-15 35.9	2.114	2.922	14.1	20.0	5 21	18 56.10	-14 44.3	2.626	3.426	11.9	20.2
5 31	18 55.09	-15 56.9	2.014	2.909	11.3	19.7	5 31	18 52.24	-15 12.7	2.531	3.421	9.5	20.0
6 10	18 48.90	-16 26.7	1.937	2.897	8.0	19.5	6 10	18 46.66	-15 48.9	2.459	3.416	6.7	19.8
6 20	18 40.94	-17 4.4	1.883	2.884	4.4	19.3	6 20	18 39.75	-16 32.0	2.412	3.411	3.7	19.6
6 30	18 31.92	-17 48.4	1.857	2.871	1.9	19.1	6 30	18 32.11	-17 20.4	2.394	3.407	1.8	19.5
7 10	18 22.78	-18 36.0	1.859	2.858	4.7	19.2	7 10	18 24.42	-18 11.8	2.404	3.402	3.9	19.6
7 20	18 14.46	-19 25.0	1.887	2.844	8.5	19.4	7 20	18 17.39	-19 4.2	2.443	3.398	6.9	19.8
7 30	18 7.82	-20 13.3	1.941	2.831	12.0	19.6	7 30	18 11.67	-19 55.8	2.507	3.393	9.7	20.0
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>263397</b>	2008 <i>DF</i> <sub>13</sub>		6 29.1 118°21	3°5/28.7	18		<b>242299</b>	2003 <i>UU</i> <sub>371</sub>		6 29.1 197°73	0°7/29.1	18	
5 21	19 1.57	-33 6.4	2.290	3.099	13.1	20.4	5 21	19 2.62	-22 37.3	2.300	3.106	13.2	20.8
5 31	18 56.95	-33 30.2	2.209	3.103	10.5	20.2	5 31	18 57.54	-22 14.6	2.207	3.103	10.4	20.6
6 10	18 50.05	-33 49.9	2.150	3.106	7.6	20.1	6 10	18 50.35	-21 52.0	2.137	3.100	7.2	20.4
6 20	18 41.43	-34 2.2	2.116	3.109	4.7	19.9	6 20	18 41.58	-21 28.9	2.093	3.097	3.6	20.2
6 30	18 31.95	-34 4.4	2.108	3.113	3.6	19.8	6 30	18 31.99	-21 5.1	2.077	3.093	0.8	20.0
7 10	18 22.62	-33 55.5	2.129	3.116	5.4	20.0	7 10	18 22.51	-20 40.9	2.089	3.088	4.2	20.2
7 20	18 14.38	-33 36.3	2.175	3.119	8.3	20.1	7 20	18 13.99	-20 17.2	2.129	3.083	7.8	20.4
7 30	18 8.02	-33 9.4	2.246	3.122	11.1	20.3	7 30	18 7.19	-19 55.2	2.194	3.078	11.0	20.6
<b>27957</b>	1997 <i>RV</i> <sub>8</sub>		6 29.1 318°04	4°2/28.4	18		<b>218952</b>	2008 <i>DO</i> <sub>79</sub>		6 29.1 47°31	3°8/28.1	17	
5 21	18 58.75	-29 20.4	1.390	2.239	18.0	17.6	5 21	19 3.10	-26 33.5	1.421	2.260	18.2	19.7
5 31	18 56.49	-30 6.1	1.301	2.219	14.5	17.3	5 31	18 59.53	-27 55.1	1.353	2.267	14.4	19.4
6 10	18 50.84	-30 53.4	1.230	2.200	10.4	17.0	6 10	18 52.62	-29 21.9	1.305	2.274	10.1	19.2
6 20	18 42.26	-31 36.9	1.180	2.182	6.1	16.7	6 20	18 43.00	-30 46.8	1.279	2.281	5.7	19.0
6 30	18 31.85	-32 10.3	1.154	2.164	4.2	16.6	6 30	18 31.85	-32 2.0	1.279	2.289	4.0	18.9
7 10	18 21.21	-32 29.3	1.152	2.147	7.6	16.7	7 10	18 20.76	-33 1.7	1.304	2.297	7.2	19.1
7 20	18 12.01	-32 32.9	1.172	2.130	12.3	16.9	7 20	18 11.27	-33 43.6	1.353	2.305	11.5	19.4
7 30	18 5.68	-32 23.4	1.212	2.115	16.7	17.1	7 30	18 4.60	-34 9.2	1.423	2.313	15.5	19.6
<b>440279</b>	2004 <i>RW</i> <sub>170</sub>		6 29.1 304°33	1°2/29.1	18		<b>231606</b>	2009 <i>HN</i> <sub>102</sub>		6 29.1 60°23	1°7/28.7	16	
5 21	18 59.21	-27 21.9	2.123	2.943	13.6	20.8	5 21	18 59.65	-25 22.4	2.088	2.908	13.8	20.6
5 31	18 55.33	-27 14.3	2.020	2.924	10.8	20.5	5 31	18 55.57	-26 5.5	2.011	2.915	10.9	20.4
6 10	18 49.12	-27 4.7	1.939	2.906	7.5	20.3	6 10	18 49.20	-26 50.9	1.957	2.923	7.5	20.2
6 20	18 41.07	-26 51.2	1.883	2.887	3.8	20.0	6 20	18 41.09	-27 35.4	1.927	2.930	3.9	20.0
6 30	18 31.99	-26 32.4	1.853	2.868	1.2	19.8	6 30	18 32.05	-28 15.5	1.924	2.938	1.8	19.9
7 10	18 22.90	-26 8.2	1.851	2.850	4.6	20.0	7 10	18 23.09	-28 48.7	1.949	2.945	4.8	20.1
7 20	18 14.77	-25 39.6	1.875	2.832	8.5	20.2	7 20	18 15.16	-29 13.9	2.000	2.953	8.3	20.3
7 30	18 8.49	-25 8.4	1.923	2.814	12.0	20.4	7 30	18 9.08	-29 31.5	2.075	2.961	11.5	20.5
<b>24514</b>	2001 <i>BB</i> <sub>58</sub>		6 29.1 15°97	0°1/29.1	18		<b>179543</b>	2002 <i>CM</i> <sub>263</sub>		6 29.1 18°61	8°4/1.3	16	
5 21	18 55.55	-22 52.3	1.631	2.473	16.1	17.9	5 21	18 55.01	+ 0 18.8	2.044	2.811	15.8	19.7
5 31	18 52.77	-22 58.0	1.565	2.481	12.6	17.7	5 31	18 51.70	+ 0 54.1	1.969	2.814	13.7	19.5
6 10	18 47.46	-23 6.7	1.519	2.491	8.6	17.5	6 10	18 46.43	+ 1 12.8	1.913	2.818	11.4	19.4
6 20	18 40.24	-23 16.5	1.495	2.501	4.2	17.2	6 20	18 39.69	+ 1 12.1	1.878	2.822	9.4	19.2
6 30	18 32.09	-23 25.6	1.496	2.513	0.4	17.0	6 30	18 32.19	+ 0 50.3	1.867	2.826	8.4	19.2
7 10	18 24.17	-23 32.8	1.523	2.525	5.0	17.3	7 10	18 24.77	+ 0 8.2	1.881	2.831	9.0	19.2
7 20	18 17.53	-23 37.7	1.574	2.539	9.2	17.6	7 20	18 18.23	- 0 51.3	1.919	2.836	10.8	19.4
7 30	18 13.00	-23 40.5	1.648	2.554	12.9	17.9	7 30	18 13.27	- 2 4.0	1.980	2.841	13.0	19.5
<b>296423</b>	2009 <i>HO</i> <sub>22</sub>		6 29.1 102°88	4°6/28.4	17		<b>510925</b>	2013 <i>ED</i> <sub>40</sub>		6 29.1 176°75	2°1/28.6	18	
5 21	19 5.43	-30 53.1	1.483	2.315	17.9	20.7	5 21	19 0.55	-27 51.6	2.512	3.320	12.1	22.0
5 31	19 1.28	-31 47.0	1.413	2.321	14.3	20.5	5 31	18 55.94	-28 28.3	2.425	3.322	9.6	21.9
6 10	18 53.73	-32 39.8	1.362	2.326	10.3	20.3	6 10	18 49.31	-29 5.2	2.361	3.323	6.7	21.7
6 20	18 43.48	-33 25.1	1.334	2.331	6.3	20.0	6 20	18 41.11	-29 39.4	2.323	3.323	3.7	21.5
6 30	18 31.77	-33 56.8	1.330	2.337	4.7	20.0	6 30	18 32.06	-30 8.1	2.312	3.324	2.1	21.4
7 10	18 20.23	-34 11.5	1.352	2.342	7.4	20.1	7 10	18 23.04	-30 29.4	2.330	3.324	4.5	21.5
7 20	18 10.39	-34 9.8	1.397	2.347	11.5	20.4	7 20	18 14.88	-30 42.9	2.376	3.323	7.5	21.7
7 30	18 3.45	-33 55.3	1.464	2.352	15.3	20.6	7 30	18 8.32	-30 49.2	2.447	3.323	10.3	21.9
<b>22768</b>	1999 <i>AU</i> <sub>32</sub>		6 29.1 51°03	0°8/29.0	18		<b>95008</b>	Ivanobertini		6 29.1 323°88	8°0/30.5	18	
5 21	18 59.91	-24 50.1	2.029	2.850	14.1	19.0	5 21	18 52.46	- 8 19.6	1.071	1.924	21.9	18.7
5 31	18 55.80	-25 0.0	1.946	2.851	11.2	18.8	5 31	18 51.84	- 7 50.8	0.985	1.899	18.5	18.4
6 10	18 49.37	-25 10.9	1.884	2.851	7.7	18.6	6 10	18 47.87	- 7 41.5	0.915	1.876	14.4	18.1
6 20	18 41.16	-25 20.9	1.847	2.852	3.8	18.4	6 20	18 40.94	- 7 56.8	0.863	1.854	10.3	17.8
6 30	18 32.02	-25 27.8	1.836	2.852	0.9	18.1	6 30	18 32.05	- 8 39.8	0.830	1.832	8.0	17.6
7 10	18 22.98	-25 30.6	1.853	2.853	4.6	18.4	7 10	18 22.78	- 9 49.2	0.818	1.812	10.0	17.6
7 20	18 15.01	-25 29.2	1.896	2.854	8.4	18.6	7 20	18 14.81	-11 19.6	0.826	1.794	14.6	17.8
7 30	18 8.94	-25 24.6	1.963	2.854	11.8	18.9	7 30	18 9.72	-13 3.1	0.852	1.776	19.6	18.0
<b>64435</b>	2001 <i>VL</i> <sub>18</sub>		6 29.1 133°39	0°1/29.1	18		<b>482733</b>	2013 <i>EP</i> <sub>87</sub>		6 29.1 209°29	2°8/28.4	18	
5 21	18 59.76	-22 59.4	2.544	3.350	12.0	20.6	5 21	19 0.26	-29 59.9	2.586	3.393	11.8	21.5
5 31	18 55.06	-23 4.2	2.463	3.360	9.4	20.4	5 31	18 55.75	-30 42.1	2.495	3.390	9.4	21.4
6 10	18 48.52	-23 10.5	2.406	3.369	6.4	20.2	6 10	18 49.21	-31 23.6	2.427	3.386	6.7	21.2
6 20	18 40.63	-23 16.8	2.374	3.379	3.1	20.0	6 20	18 41.08	-32 1.2	2.385	3.382	4.0	21.0
6 30	18 32.08	-23 22.0	2.371	3.387	0.3	19.8	6 30	18 32.07	-32 31.9	2.371	3.378	2.8	20.9
7 10	18 23.66	-23 25.4	2.396	3.396	3.7	20.1	7 10	18 23.04	-32 53.6	2.385	3.374	4.8	21.0
7 20	18 16.11	-23 26.7	2.449	3.404	6.9	20.3	7 20	18 14.84	-33 6.0	2.427	3.369	7.6	21.2
7 30	18 10.07	-23 26.3	2.528	3.412	9.8	20.5	7 30	18 8.22	-33 9.8	2.494	3.365	10.3	21.4
<b>192249</b>	2008 <i>EC</i> <sub>119</sub>		6 29.1 159°18	3°1/29.5	18		<b>385038</b>	2012 <i>TQ</i> <sub>309</sub>		6 29.1 215°91	0°1/29.1	18	
5 21	18 57.78	-14 11.4	2.444	3.243	12.7	21.0	5 21	19 0.77	-22 59.4	2.092	2.908	13.9	21.5
5 31	18 53.54	-13 49.2	2.359	3.246	10.2	20.9	5 31	18 56.40	-22 58.4	2.003	2.905	11.0	21.3
6 10	18 47.51	-13 32.7	2.296	3.248	7.4	20.7	6 10	18 49.76	-22 59.2	1.936	2.901	7.6	21.1
6 20	18 40.16	-13 22.5	2.257	3.251	4.5	20.5	6 20	18 41.37	-23 0.1	1.893	2.898	3.7	20.8
6 30	18 32.13	-13 18.8	2.247	3.253	3.1	20.4	6 30	18 32.05	-22 59.9	1.877	2.894	0.4	20.6
7 10	18 24.18	-13 21.3	2.264	3.255	4.8	20.5	7 10	18 22.79	-22 57.9	1.889	2.889	4.4	20.9
7 20	18 17.03	-13 29.5	2.308	3.257	7.6	20.7	7 20	18 14.54	-22 54.0	1.928	2.885	8.3	21.1
7 30	18 11.32	-13 42.7	2.377	3.258	10.4	20.9	7 30	18 8.12	-22 49.0	1.991	2.880	11.7	21.3
<b>281056</b>	2006 <i>JT</i> <sub>63</sub>		6 29.1 230°98	1°5/29.3	17		<b>438455</b>	2007 <i>BE&lt;/</i>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>127254</b>	2002 <i>JJ</i> <sub>42</sub>		6 29.1 112°20	1°0/28.9	18		<b>207399</b>	2006 <i>AG</i> <sub>40</sub>		6 29.1 191°05	1°3/29.3	17	
5 21	19 2.85	-24 53.5	2.006	2.822	14.5	20.5	5 21	19 3.82	-18 45.8	1.541	2.367	17.6	20.9
5 31	18 58.01	-25 11.0	1.934	2.836	11.4	20.3	5 31	18 59.63	-18 59.7	1.460	2.366	14.1	20.7
6 10	18 50.81	-25 29.7	1.883	2.849	7.8	20.1	6 10	18 52.45	-19 21.5	1.398	2.365	9.8	20.4
6 20	18 41.85	-25 47.0	1.857	2.861	3.8	19.9	6 20	18 42.88	-19 49.5	1.360	2.364	5.0	20.2
6 30	18 32.02	-26 0.7	1.858	2.874	1.1	19.7	6 30	18 31.96	-20 21.1	1.346	2.362	1.3	19.9
7 10	18 22.39	-26 9.2	1.887	2.886	4.6	20.0	7 10	18 21.06	-20 53.5	1.359	2.360	5.7	20.2
7 20	18 13.95	-26 12.6	1.942	2.898	8.4	20.2	7 20	18 11.51	-21 24.5	1.397	2.358	10.4	20.5
7 30	18 7.50	-26 11.8	2.022	2.909	11.7	20.5	7 30	18 4.42	-21 53.5	1.457	2.355	14.7	20.7
<b>504304</b>	2007 <i>GC</i> <sub>45</sub>		6 29.1 83°03	5°8/27.9	17		<b>498464</b>	2008 <i>CA</i> <sub>30</sub>		6 29.1 215°74	0°1/29.1	17	
5 21	19 5.61	-34 9.3	1.744	2.562	16.2	21.8	5 21	19 4.89	-22 4.4	2.103	2.909	14.2	22.5
5 31	19 1.01	-35 23.4	1.679	2.576	13.1	21.6	5 31	18 59.76	-22 16.0	2.004	2.900	11.3	22.3
6 10	18 53.34	-36 34.2	1.635	2.589	9.7	21.5	6 10	18 52.19	-22 30.9	1.926	2.890	7.8	22.1
6 20	18 43.24	-37 34.8	1.614	2.602	6.8	21.3	6 20	18 42.67	-22 47.1	1.874	2.878	3.9	21.8
6 30	18 31.88	-38 18.9	1.620	2.615	5.8	21.3	6 30	18 32.00	-23 2.5	1.850	2.866	0.4	21.5
7 10	18 20.70	-38 43.5	1.651	2.627	7.8	21.4	7 10	18 21.26	-23 15.5	1.853	2.853	4.6	21.8
7 20	18 11.05	-38 49.1	1.707	2.640	10.9	21.7	7 20	18 11.50	-23 25.4	1.885	2.839	8.6	22.0
7 30	18 4.02	-38 39.1	1.785	2.653	13.9	21.9	7 30	18 3.63	-23 32.7	1.941	2.824	12.3	22.2
<b>439647</b>	2014 <i>HN</i> <sub>8</sub>		6 29.1 79°88	0°5/29.0	18		<b>159960</b>	2006 <i>AD</i> <sub>14</sub>		6 29.1 353°91	5°6/30.8	18	
5 21	18 59.48	-23 27.2	2.176	2.992	13.5	21.2	5 21	18 57.64	-7 23.3	1.592	2.402	17.9	19.3
5 31	18 55.20	-23 45.6	2.102	3.004	10.6	21.1	5 31	18 54.53	-7 32.6	1.512	2.400	14.8	19.1
6 10	18 48.82	-24 6.1	2.049	3.015	7.2	20.9	6 10	18 48.83	-7 59.7	1.450	2.398	11.2	18.9
6 20	18 40.86	-24 26.8	2.022	3.027	3.5	20.7	6 20	18 41.08	-8 45.6	1.410	2.396	7.7	18.7
6 30	18 32.13	-24 45.6	2.022	3.038	0.6	20.5	6 30	18 32.16	-9 49.4	1.395	2.395	5.6	18.6
7 10	18 23.54	-25 0.9	2.050	3.050	4.2	20.8	7 10	18 23.23	-11 7.5	1.404	2.395	7.2	18.7
7 20	18 15.97	-25 12.4	2.104	3.061	7.7	21.0	7 20	18 15.42	-12 34.7	1.439	2.395	10.7	18.9
7 30	18 10.14	-25 20.3	2.183	3.072	10.9	21.2	7 30	18 9.71	-14 5.8	1.496	2.395	14.3	19.1
<b>468129</b>	2014 <i>UD</i> <sub>67</sub>		6 29.1 212°93	0°9/29.0	17		<b>266186</b>	2006 <i>VM</i> <sub>101</sub>		6 29.1 222°04	0°9/29.3	17	
5 21	19 5.81	-24 28.1	1.797	2.614	15.8	22.4	5 21	19 2.84	-19 55.9	1.954	2.766	14.9	21.8
5 31	19 0.93	-24 42.0	1.705	2.607	12.6	22.2	5 31	18 58.30	-20 3.6	1.859	2.758	11.9	21.6
6 10	18 53.21	-24 58.0	1.634	2.600	8.7	21.9	6 10	18 51.26	-20 16.2	1.785	2.749	8.2	21.3
6 20	18 43.21	-25 13.3	1.587	2.592	4.3	21.7	6 20	18 42.23	-20 32.3	1.736	2.739	4.2	21.1
6 30	18 31.89	-25 25.0	1.567	2.583	1.0	21.4	6 30	18 32.05	-20 50.2	1.713	2.729	1.0	20.8
7 10	18 20.55	-25 31.2	1.573	2.573	5.3	21.7	7 10	18 21.82	-21 8.3	1.718	2.718	4.8	21.1
7 20	18 10.43	-25 31.7	1.606	2.563	9.7	21.9	7 20	18 12.59	-21 25.4	1.750	2.707	9.0	21.3
7 30	18 2.60	-25 28.0	1.663	2.552	13.7	22.1	7 30	18 5.33	-21 41.4	1.806	2.695	12.7	21.5
<b>263093</b>	2007 <i>TG</i> <sub>115</sub>		6 29.1 247°24	4°3/29.8	17		<b>487644</b>	2015 <i>OV</i> <sub>40</sub>		6 29.1 326°17	3°6/29.9	18	
5 21	19 1.29	-12 38.7	1.611	2.427	17.4	21.1	5 21	18 55.29	-12 50.7	1.954	2.769	14.8	20.9
5 31	18 57.50	-12 27.0	1.521	2.417	14.2	20.8	5 31	18 52.28	-12 46.8	1.860	2.756	12.0	20.7
6 10	18 50.95	-12 26.3	1.450	2.406	10.4	20.6	6 10	18 47.09	-12 52.5	1.787	2.744	8.8	20.5
6 20	18 42.14	-12 37.8	1.401	2.396	6.5	20.3	6 20	18 40.17	-13 8.5	1.737	2.732	5.5	20.2
6 30	18 32.00	-13 1.3	1.377	2.385	4.3	20.2	6 30	18 32.25	-13 34.3	1.713	2.721	3.6	20.1
7 10	18 21.75	-13 35.2	1.379	2.374	6.7	20.3	7 10	18 24.28	-14 8.5	1.715	2.710	5.6	20.2
7 20	18 12.63	-14 17.1	1.406	2.362	10.8	20.5	7 20	18 17.17	-14 49.1	1.743	2.700	9.1	20.4
7 30	18 5.72	-15 4.3	1.455	2.350	14.9	20.7	7 30	18 11.77	-15 33.8	1.794	2.690	12.5	20.6
<b>1687</b>	Glarona		6 29.1 241°76	0°1/29.1	18		<b>339053</b>	2004 <i>NM</i> <sub>2</sub>		6 29.1 320°55	7°5/29.5	18	
5 21	18 58.14	-22 40.6	2.720	3.526	11.3	15.9	5 21	19 6.68	-40 48.3	1.508	2.328	18.2	19.8
5 31	18 53.88	-22 51.3	2.619	3.515	9.0	15.7	5 31	19 2.73	-41 3.7	1.423	2.315	15.3	19.5
6 10	18 47.83	-23 4.0	2.540	3.503	6.1	15.5	6 10	18 55.00	-41 6.1	1.356	2.303	11.9	19.3
6 20	18 40.40	-23 17.4	2.487	3.491	3.0	15.3	6 20	18 44.24	-40 48.4	1.310	2.290	8.8	19.1
6 30	18 32.19	-23 30.1	2.462	3.479	0.3	15.0	6 30	18 31.86	-40 5.5	1.287	2.279	7.5	19.0
7 10	18 23.96	-23 41.1	2.467	3.466	3.6	15.3	7 10	18 19.76	-38 56.8	1.289	2.268	9.2	19.0
7 20	18 16.41	-23 49.8	2.499	3.453	6.8	15.4	7 20	18 9.63	-37 27.2	1.314	2.257	12.6	19.2
7 30	18 10.22	-23 56.4	2.557	3.440	9.7	15.6	7 30	18 2.75	-35 45.2	1.360	2.248	16.2	19.4
<b>442608</b>	2012 <i>KD</i> <sub>9</sub>		6 29.1 51°17	14°7/	6.4	17	<b>380820</b>	2005 <i>YB</i> <sub>138</sub>		6 29.1 225°32	1°2/29.0	18	
5 21	19 3.81	+10 30.8	1.038	1.808	27.8	20.8	5 21	19 3.17	-26 14.6	2.057	2.871	14.2	21.5
5 31	19 0.52	+10 24.0	0.977	1.814	24.8	20.6	5 31	18 58.47	-26 20.2	1.963	2.863	11.3	21.2
6 10	18 53.55	+9 31.9	0.926	1.821	21.3	20.4	6 10	18 51.32	-26 25.4	1.890	2.855	7.8	21.0
6 20	18 43.57	+7 46.4	0.891	1.827	17.8	20.2	6 20	18 42.22	-26 28.0	1.842	2.846	3.9	20.8
6 30	18 31.88	+5 5.5	0.875	1.835	15.2	20.1	6 30	18 32.07	-26 26.0	1.822	2.837	1.2	20.5
7 10	18 20.30	+1 37.9	0.880	1.842	14.9	20.1	7 10	18 21.93	-26 18.3	1.829	2.828	4.8	20.8
7 20	18 10.53	-2 18.6	0.908	1.850	16.9	20.2	7 20	18 12.86	-26 5.5	1.862	2.818	8.7	21.0
7 30	18 3.93	-6 23.4	0.957	1.858	20.3	20.5	7 30	18 5.77	-25 49.1	1.920	2.807	12.2	21.2
<b>352334</b>	2007 <i>VL</i> <sub>7</sub>		6 29.1 241°93	1°4/29.5	18		<b>103186</b>	1999 <i>XH</i> <sub>242</sub>		6 29.1 181°28	4°0/28.3	18	
5 21	18 59.72	-16 49.2	2.227	3.033	13.5	21.1	5 21	19 3.30	-32 26.6	2.171	2.981	13.7	19.5
5 31	18 55.52	-17 14.7	2.129	3.023	10.8	20.9	5 31	18 58.62	-33 15.5	2.088	2.982	11.0	19.4
6 10	18 49.19	-17 48.1	2.052	3.013	7.6	20.7	6 10	18 51.44	-34 2.3	2.026	2.982	8.0	19.2
6 20	18 41.15	-18 28.0	2.001	3.003	4.0	20.5	6 20	18 42.29	-34 42.4	1.990	2.982	5.1	19.0
6 30	18 32.13	-19 12.3	1.977	2.992	1.4	20.2	6 30	18 32.06	-35 11.7	1.980	2.982	4.1	18.9
7 10	18 23.00	-19 58.7	1.982	2.981	4.4	20.4	7 10	18 21.87	-35 27.9	1.998	2.981	6.0	19.0
7 20	18 14.66	-20 45.0	2.014	2.970	8.1	20.6	7 20	18 12.77	-35 30.9	2.042	2.980	9.0	19.2
7 30	18 7.95	-21 29.4	2.071	2.959	11.4	20.8	7 30	18 5.69	-35 22.8	2.109	2.979	12.0	19.4
<b>435759</b>	2008 <i>UW</i> <sub>204</sub>		6 29.1 257°80	9°0/28.6	18		<b>263354</b>	2008 <i>CZ</i> <sub>135</sub> </					



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>499394</b>	2010 <i>BN</i> <sub>2</sub>		6 29.1 212°21'	0.4/29.2	18		<b>166349</b>	2002 <i>KO</i> <sub>3</sub>		6 29.1 346°54'	1.8/28.9	16	
5 21	19 2.25	-20 38.2	2.474	3.275	12.5	22.9	5 21	18 56.36	-26 8.4	1.385	2.237	17.8	19.9
5 31	18 57.29	-20 56.3	2.374	3.266	9.9	22.7	5 31	18 54.27	-26 24.5	1.305	2.228	14.2	19.6
6 10	18 50.28	-21 18.3	2.296	3.257	6.8	22.5	6 10	18 49.08	-26 41.8	1.245	2.219	9.9	19.3
6 20	18 41.67	-21 42.7	2.244	3.247	3.4	22.2	6 20	18 41.35	-26 57.3	1.206	2.212	5.1	19.1
6 30	18 32.14	-22 7.6	2.220	3.237	0.5	22.0	6 30	18 32.21	-27 7.6	1.190	2.206	1.9	18.8
7 10	18 22.54	-22 31.4	2.226	3.225	4.0	22.2	7 10	18 23.11	-27 10.7	1.199	2.201	6.1	19.1
7 20	18 13.73	-22 53.1	2.260	3.213	7.5	22.4	7 20	18 15.46	-27 6.5	1.230	2.196	11.0	19.3
7 30	18 6.45	-23 12.3	2.319	3.200	10.6	22.6	7 30	18 10.43	-26 56.6	1.282	2.194	15.3	19.6
<b>342545</b>	2008 <i>US</i> <sub>227</sub>		6 29.1 265°91'	3.5/28.6	16		<b>476248</b>	2007 <i>VB</i> <sub>77</sub>		6 29.1 269°57'	1.5/29.3	18	
5 21	19 2.09	-30 29.3	1.912	2.734	14.9	21.1	5 21	18 59.13	-19 18.8	2.065	2.881	14.1	22.3
5 31	18 57.99	-31 7.4	1.826	2.728	11.9	20.9	5 31	18 55.21	-19 9.4	1.969	2.870	11.2	22.1
6 10	18 51.20	-31 44.4	1.760	2.722	8.5	20.7	6 10	18 49.05	-19 3.8	1.896	2.859	7.8	21.8
6 20	18 42.25	-32 15.9	1.718	2.716	5.1	20.5	6 20	18 41.14	-19 1.6	1.846	2.849	4.1	21.6
6 30	18 32.09	-32 37.8	1.703	2.710	3.6	20.4	6 30	18 32.24	-19 2.2	1.823	2.838	1.5	21.4
7 10	18 21.93	-32 47.9	1.714	2.705	6.0	20.5	7 10	18 23.33	-19 4.8	1.827	2.827	4.7	21.6
7 20	18 12.96	-32 46.0	1.750	2.699	9.6	20.7	7 20	18 15.34	-19 9.2	1.858	2.816	8.5	21.8
7 30	18 6.17	-32 34.3	1.810	2.693	13.0	20.9	7 30	18 9.11	-19 15.1	1.913	2.805	12.0	22.0
<b>244746</b>	2003 <i>SE</i> <sub>46</sub>		6 29.1 340°54'	10.4/27.6	16		<b>177243</b>	2003 <i>UH</i> <sub>281</sub>		6 29.1 240°76'	0.3/29.2	17	
5 21	19 3.55	-43 48.0	1.524	2.342	18.2	19.5	5 21	19 3.74	-22 10.9	1.810	2.629	15.7	21.9
5 31	19 0.68	-45 8.8	1.450	2.333	15.6	19.3	5 31	18 59.33	-22 14.1	1.713	2.616	12.5	21.7
6 10	18 53.91	-46 19.2	1.394	2.325	12.9	19.1	6 10	18 52.17	-22 20.5	1.636	2.602	8.7	21.4
6 20	18 43.86	-47 9.8	1.360	2.318	10.9	19.0	6 20	18 42.79	-22 28.2	1.583	2.588	4.3	21.1
6 30	18 31.93	-47 32.1	1.347	2.311	10.5	18.9	6 30	18 32.09	-22 35.4	1.556	2.573	0.5	20.8
7 10	18 20.06	-47 22.7	1.356	2.305	11.8	19.0	7 10	18 21.28	-22 40.7	1.557	2.558	5.1	21.1
7 20	18 10.14	-46 43.5	1.387	2.300	14.3	19.1	7 20	18 11.58	-22 43.6	1.583	2.542	9.7	21.4
7 30	18 3.61	-45 41.5	1.437	2.296	17.1	19.3	7 30	18 4.05	-22 44.7	1.633	2.525	13.7	21.6
<b>478042</b>	2011 <i>SE</i> <sub>259</sub>		6 29.1 316°22'	5.8/29.3	17		<b>481116</b>	2005 <i>TW</i> <sub>130</sub>		6 29.1 262°96'	4.9/29.8	18	
5 21	18 57.23	-11 14.2	1.844	2.655	15.7	20.5	5 21	18 56.63	-9 12.7	2.411	3.199	13.1	21.9
5 31	18 53.85	-10 15.8	1.754	2.644	13.0	20.3	5 31	18 52.80	-8 40.1	2.314	3.189	10.8	21.7
6 10	18 48.18	-9 24.5	1.684	2.633	9.9	20.1	6 10	18 47.17	-8 15.6	2.239	3.178	8.3	21.5
6 20	18 40.71	-8 43.0	1.638	2.622	7.0	19.9	6 20	18 40.15	-8 0.8	2.189	3.168	5.9	21.4
6 30	18 32.25	-8 14.0	1.617	2.612	5.8	19.8	6 30	18 32.35	-7 56.9	2.165	3.157	4.9	21.3
7 10	18 23.79	-7 58.6	1.621	2.602	7.4	19.9	7 10	18 24.54	-8 3.8	2.168	3.146	6.1	21.3
7 20	18 16.30	-7 57.0	1.649	2.592	10.5	20.0	7 20	18 17.45	-8 20.8	2.197	3.135	8.5	21.5
7 30	18 10.64	-8 7.7	1.700	2.583	13.7	20.2	7 30	18 11.74	-8 46.4	2.251	3.124	11.2	21.6
<b>469741</b>	2005 <i>NV</i> <sub>101</sub>		6 29.1 334°61'	0.7/29.2	17		<b>289223</b>	2004 <i>XD</i> <sub>46</sub>		6 29.2 174°35'	1.2/29.4	18	
5 21	18 55.44	-20 41.4	1.235	2.093	19.2	21.0	5 21	19 0.92	-18 52.9	2.253	3.059	13.4	22.3
5 31	18 53.86	-20 50.4	1.153	2.079	15.4	20.7	5 31	18 56.31	-18 59.0	2.166	3.061	10.6	22.1
6 10	18 49.02	-21 6.6	1.089	2.065	10.7	20.4	6 10	18 49.62	-19 9.7	2.101	3.063	7.4	21.9
6 20	18 41.42	-21 28.6	1.046	2.052	5.4	20.1	6 20	18 41.36	-19 24.1	2.062	3.064	3.8	21.7
6 30	18 32.17	-21 53.9	1.024	2.041	0.8	19.7	6 30	18 32.25	-19 40.8	2.050	3.065	1.2	21.5
7 10	18 22.82	-22 19.5	1.026	2.030	6.3	20.1	7 10	18 23.19	-19 58.6	2.066	3.066	4.2	21.7
7 20	18 14.92	-22 43.5	1.050	2.021	11.8	20.4	7 20	18 15.05	-20 16.5	2.110	3.066	7.8	21.9
7 30	18 9.78	-23 5.0	1.094	2.013	16.7	20.6	7 30	18 8.55	-20 34.1	2.179	3.065	11.0	22.1
<b>31990</b>	2000 <i>HX</i> <sub>34</sub>		6 29.1 357°05'	4.0/28.4	18		<b>134086</b>	2004 <i>XR</i> <sub>103</sub>		6 29.2 112°28'	1.2/29.5	18	
5 21	19 2.01	-27 26.7	1.223	2.075	19.7	18.1	5 21	18 56.69	-17 33.0	2.716	3.519	11.5	20.2
5 31	18 59.29	-28 28.4	1.153	2.074	15.8	17.9	5 31	18 52.61	-17 49.0	2.632	3.525	9.1	20.0
6 10	18 52.86	-29 34.3	1.100	2.073	11.1	17.6	6 10	18 46.90	-18 10.0	2.571	3.531	6.3	19.9
6 20	18 43.32	-30 37.5	1.069	2.072	6.3	17.3	6 20	18 39.96	-18 35.2	2.535	3.537	3.3	19.7
6 30	18 31.99	-31 30.5	1.061	2.072	4.1	17.2	6 30	18 32.38	-19 3.1	2.528	3.542	1.2	19.5
7 10	18 20.70	-32 7.8	1.076	2.072	7.8	17.4	7 10	18 24.86	-19 32.5	2.549	3.548	3.6	19.7
7 20	18 11.20	-32 28.0	1.113	2.073	12.7	17.7	7 20	18 18.04	-20 2.0	2.598	3.554	6.5	19.9
7 30	18 4.90	-32 33.6	1.171	2.074	17.1	17.9	7 30	18 12.51	-20 30.9	2.674	3.559	9.2	20.1
<b>121413</b>	1999 <i>TW</i> <sub>142</sub>		6 29.1 328°05'	0.3/29.2	18		<b>414079</b>	2007 <i>TU</i> <sub>107</sub>		6 29.2 35°42'	5.3/28.6	17	
5 21	18 56.04	-22 27.3	1.412	2.262	17.7	19.5	5 21	19 4.73	-32 20.4	1.340	2.180	19.0	20.4
5 31	18 53.99	-22 24.6	1.322	2.243	14.1	19.3	5 31	19 1.19	-33 8.5	1.271	2.183	15.3	20.2
6 10	18 48.91	-22 25.4	1.250	2.224	9.8	19.0	6 10	18 53.98	-33 53.6	1.221	2.186	11.1	19.9
6 20	18 41.31	-22 28.1	1.199	2.206	4.9	18.6	6 20	18 43.80	-34 29.0	1.192	2.189	7.1	19.7
6 30	18 32.19	-22 31.2	1.173	2.189	0.6	18.3	6 30	18 32.02	-34 48.1	1.187	2.192	5.4	19.6
7 10	18 22.94	-22 33.3	1.170	2.173	5.9	18.6	7 10	18 20.46	-34 48.2	1.205	2.195	8.1	19.8
7 20	18 14.98	-22 33.9	1.190	2.158	11.1	18.8	7 20	18 10.79	-34 30.6	1.246	2.199	12.3	20.0
7 30	18 9.53	-22 33.7	1.231	2.144	15.7	19.1	7 30	18 4.27	-34 0.0	1.308	2.203	16.3	20.3
<b>520209</b>	2014 <i>DM</i> <sub>151</sub>		6 29.1 250°59'	0.6/29.1	18		<b>132469</b>	2002 <i>JY</i> <sub>4</sub>		6 29.2 352°44'	9.8/27.3	17	
5 21	18 59.91	-24 30.5	2.146	2.963	13.6	21.8	5 21	19 0.06	-40 11.8	1.370	2.208	18.8	18.9
5 31	18 55.76	-24 38.2	2.056	2.958	10.7	21.6	5 31	18 58.06	-41 42.6	1.301	2.202	15.8	18.6
6 10	18 49.38	-24 47.0	1.987	2.953	7.4	21.4	6 10	18 52.21	-43 6.0	1.250	2.196	12.8	18.4
6 20	18 41.27	-24 55.0	1.943	2.948	3.7	21.1	6 20	18 43.10	-44 12.3	1.220	2.192	10.4	18.3
6 30	18 32.22	-25 0.6	1.926	2.943	0.7	20.9	6 30	18 32.08	-44 52.3	1.211	2.188	9.9	18.3
7 10	18 23.21	-25 2.6	1.937	2.937	4.4	21.2	7 10	18 21.10	-45 1.5	1.225	2.186	11.6	18.3
7 20	18 15.17	-25 0.9	1.975	2.932	8.1	21.4	7 20	18 12.03	-44 41.5	1.259	2.185	14.5	18.5
7 30	18 8.92	-24 56.3	2.037	2.926	11.5	21.6	7 30	18 6.34	-43 58.1	1.312	2.186	17.6	18.7
<b>482149</b>	2010 <i>TF</i> <sub>14</sub>		6 29.1 186°49'	3.8/29.6	18		<b>40299</b>						

EPHEMERIDES

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6 29.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>67481</b>	2000 RQ <sub>11</sub>		6 29.2 237°60	2°3/28.7	18		<b>350814</b>	2002 CB <sub>276</sub>		6 29.2 131°88	5°0/29.7	18	
5 21	19 4.12	-25 36.5	1.641	2.468	16.7	19.1	5 21	18 57.95	-7 40.2	2.700	3.473	12.2	21.1
5 31	19 0.05	-26 22.6	1.553	2.461	13.3	18.9	5 31	18 53.45	-6 55.2	2.622	3.484	10.1	21.0
6 10	18 52.93	-27 13.0	1.485	2.453	9.3	18.6	6 10	18 47.39	-6 18.1	2.565	3.494	7.9	20.8
6 20	18 43.27	-28 3.1	1.441	2.444	4.9	18.3	6 20	18 40.20	-5 50.5	2.534	3.503	5.9	20.7
6 30	18 32.08	-28 47.9	1.422	2.436	2.4	18.2	6 30	18 32.45	-5 33.8	2.530	3.513	5.0	20.7
7 10	18 20.77	-29 23.3	1.429	2.427	6.1	18.4	7 10	18 24.83	-5 28.1	2.554	3.522	6.0	20.7
7 20	18 10.73	-29 47.6	1.462	2.417	10.6	18.6	7 20	18 17.93	-5 33.0	2.605	3.531	7.9	20.9
7 30	18 3.16	-30 1.9	1.517	2.408	14.6	18.8	7 30	18 12.32	-5 47.1	2.680	3.539	10.1	21.0
<b>52173</b>	2178 T <sub>-2</sub>		6 29.2 12°26	0°5/29.2	18		<b>29355</b>	Siratakayama		6 29.2 2°93	4°9/29.8	18	
5 21	18 59.21	-21 36.8	1.906	2.729	14.8	19.2	5 21	18 57.08	-10 32.8	2.055	2.857	14.6	18.2
5 31	18 55.40	-21 36.0	1.824	2.730	11.7	19.0	5 31	18 53.42	-9 58.0	1.972	2.857	12.0	18.0
6 10	18 49.22	-21 38.3	1.763	2.730	8.1	18.8	6 10	18 47.72	-9 32.1	1.911	2.857	9.0	17.8
6 20	18 41.23	-21 42.5	1.726	2.731	4.0	18.5	6 20	18 40.48	-9 16.6	1.872	2.857	6.3	17.6
6 30	18 32.29	-21 47.1	1.716	2.732	0.6	18.3	6 30	18 32.42	-9 12.6	1.860	2.857	4.9	17.5
7 10	18 23.45	-21 51.2	1.732	2.733	4.6	18.6	7 10	18 24.44	-9 20.0	1.874	2.858	6.4	17.6
7 20	18 15.70	-21 54.5	1.774	2.735	8.6	18.8	7 20	18 17.37	-9 37.7	1.913	2.858	9.2	17.8
7 30	18 9.88	-21 57.3	1.840	2.736	12.2	19.0	7 30	18 11.93	-10 4.0	1.976	2.859	12.1	18.0
<b>434686</b>	2006 BE <sub>40</sub>		6 29.2 195°04	1°3/29.4	18		<b>70879</b>	1999 VF <sub>162</sub>		6 29.2 188°22	3°1/28.7	18	
5 21	19 1.90	-18 17.6	2.555	3.351	12.3	22.5	5 21	19 2.54	-30 10.5	1.945	2.764	14.7	19.5
5 31	18 56.85	-18 21.1	2.459	3.348	9.8	22.3	5 31	18 58.23	-30 41.6	1.863	2.764	11.7	19.3
6 10	18 49.90	-18 28.9	2.385	3.344	6.8	22.1	6 10	18 51.30	-31 11.1	1.802	2.764	8.3	19.1
6 20	18 41.48	-18 40.2	2.338	3.339	3.6	21.9	6 20	18 42.32	-31 35.1	1.765	2.764	4.8	18.9
6 30	18 32.27	-18 53.9	2.319	3.334	1.3	21.7	6 30	18 32.25	-31 49.9	1.754	2.763	3.2	18.7
7 10	18 23.05	-19 9.0	2.330	3.328	4.0	21.9	7 10	18 22.26	-31 53.9	1.770	2.763	5.7	18.9
7 20	18 14.62	-19 24.7	2.369	3.321	7.2	22.1	7 20	18 13.48	-31 47.3	1.812	2.763	9.2	19.1
7 30	18 7.65	-19 40.7	2.433	3.313	10.2	22.3	7 30	18 6.84	-31 32.2	1.878	2.762	12.6	19.3
<b>137680</b>	1999 XW <sub>45</sub>		6 29.2 165°82	0°7/29.1	17 R		<b>93314</b>	2000 SC <sub>217</sub>		6 29.2 158°06	9°1/26.6	18	
5 21	19 5.07	-24 31.0	1.958	2.770	14.9	21.3	5 21	19 11.72	-45 21.1	2.155	2.931	14.9	18.4
5 31	18 59.95	-24 41.0	1.876	2.775	11.8	21.1	5 31	19 6.14	-47 1.8	2.085	2.936	12.8	18.3
6 10	18 52.31	-24 52.3	1.815	2.780	8.1	20.9	6 10	18 57.18	-48 33.7	2.036	2.941	10.8	18.2
6 20	18 42.74	-25 2.4	1.779	2.783	4.0	20.6	6 20	18 45.41	-49 48.4	2.010	2.945	9.4	18.1
6 30	18 32.15	-25 9.2	1.770	2.786	0.8	20.4	6 30	18 31.96	-50 38.8	2.010	2.949	9.2	18.1
7 10	18 21.70	-25 11.3	1.789	2.789	4.8	20.7	7 10	18 18.44	-51 1.4	2.035	2.953	10.2	18.1
7 20	18 12.44	-25 8.9	1.835	2.790	8.8	20.9	7 20	18 6.43	-50 57.4	2.083	2.956	12.0	18.3
7 30	18 5.26	-25 3.2	1.905	2.792	12.3	21.2	7 30	17 57.22	-50 31.6	2.153	2.959	14.1	18.4
<b>32770</b>	Starchik		6 29.2 255°37	1°9/28.9	18		<b>480006</b>	2014 LZ <sub>7</sub>		6 29.2 297°98	0°8/28.9	16	
5 21	19 4.84	-26 18.2	1.612	2.439	16.9	19.4	5 21	18 58.19	-22 54.1	2.220	3.037	13.2	21.5
5 31	19 0.76	-26 39.4	1.516	2.423	13.5	19.1	5 31	18 54.48	-23 29.7	2.123	3.026	10.4	21.3
6 10	18 53.51	-27 2.2	1.440	2.407	9.5	18.8	6 10	18 48.60	-24 9.6	2.049	3.015	7.2	21.1
6 20	18 43.61	-27 23.1	1.386	2.390	4.9	18.5	6 20	18 41.00	-24 51.4	2.000	3.005	3.6	20.8
6 30	18 32.07	-27 38.0	1.358	2.373	2.0	18.3	6 30	18 32.39	-25 32.2	1.978	2.994	0.9	20.6
7 10	18 20.36	-27 44.5	1.357	2.356	6.0	18.5	7 10	18 23.68	-26 9.4	1.984	2.984	4.4	20.8
7 20	18 9.92	-27 42.1	1.379	2.338	10.8	18.7	7 20	18 15.80	-26 41.5	2.017	2.973	8.0	21.1
7 30	18 2.04	-27 32.9	1.425	2.319	15.2	18.9	7 30	18 9.58	-27 8.0	2.074	2.963	11.3	21.2
<b>81408</b>	2000 GU <sub>88</sub>		6 29.2 338°96	0°7/29.3	18		<b>437530</b>	2013 YR <sub>111</sub>		6 29.2 77°83	1°7/29.5	17	
5 21	18 57.48	-18 56.8	1.362	2.208	18.4	18.5	5 21	18 59.73	-17 32.5	1.866	2.685	15.3	21.1
5 31	18 55.15	-19 27.1	1.281	2.200	14.7	18.3	5 31	18 55.80	-17 41.2	1.788	2.690	12.1	20.9
6 10	18 49.73	-20 8.0	1.220	2.192	10.2	18.0	6 10	18 49.51	-17 56.9	1.731	2.695	8.5	20.7
6 20	18 41.76	-20 57.3	1.179	2.185	5.1	17.7	6 20	18 41.41	-18 18.6	1.698	2.700	4.5	20.5
6 30	18 32.27	-21 51.0	1.163	2.179	0.8	17.3	6 30	18 32.36	-18 44.6	1.691	2.705	1.7	20.3
7 10	18 22.71	-22 44.9	1.170	2.174	5.9	17.7	7 10	18 23.41	-19 13.0	1.710	2.711	4.9	20.5
7 20	18 14.49	-23 35.3	1.201	2.169	11.0	18.0	7 20	18 15.54	-19 42.2	1.756	2.716	8.8	20.8
7 30	18 8.84	-24 20.3	1.254	2.165	15.6	18.2	7 30	18 9.59	-20 11.0	1.826	2.721	12.3	21.0
<b>119016</b>	2001 AD <sub>5</sub>		6 29.2 215°12	1°0/29.1	18		<b>7063</b>	Johnmichell		6 29.2 238°64	0°3/29.2	18	
5 21	19 1.13	-27 36.4	2.820	3.620	11.1	19.9	5 21	19 3.13	-22 24.2	1.809	2.629	15.6	18.6
5 31	18 56.11	-27 25.1	2.721	3.614	8.8	19.8	5 31	18 58.81	-22 22.4	1.716	2.619	12.4	18.4
6 10	18 49.31	-27 11.4	2.646	3.607	6.1	19.6	6 10	18 51.80	-22 23.0	1.643	2.609	8.6	18.2
6 20	18 41.17	-26 54.3	2.598	3.601	3.1	19.4	6 20	18 42.64	-22 24.6	1.594	2.598	4.3	17.9
6 30	18 32.35	-26 32.8	2.578	3.593	1.0	19.2	6 30	18 32.25	-22 25.5	1.571	2.587	0.5	17.5
7 10	18 23.62	-26 7.0	2.588	3.586	3.6	19.4	7 10	18 21.82	-22 24.7	1.575	2.576	5.1	17.9
7 20	18 15.69	-25 37.9	2.626	3.578	6.6	19.6	7 20	18 12.52	-22 22.0	1.605	2.564	9.5	18.1
7 30	18 9.19	-25 6.8	2.690	3.570	9.4	19.7	7 30	18 5.38	-22 18.4	1.658	2.552	13.5	18.3
<b>360701</b>	2004 TP <sub>32</sub>		6 29.2 305°02	0°1/29.2	17		<b>178373</b>	1997 EJ <sub>26</sub>		6 29.2 9°42	5°1/28.8	17	
5 21	19 0.11	-23 35.6	1.253	2.105	19.4	20.7	5 21	19 2.97	-32 49.7	1.368	2.210	18.6	20.2
5 31	18 57.73	-23 27.0	1.163	2.086	15.6	20.4	5 31	18 59.72	-33 26.0	1.298	2.210	15.0	19.9
6 10	18 51.83	-23 20.2	1.092	2.067	10.9	20.0	6 10	18 52.93	-33 58.1	1.246	2.211	10.9	19.7
6 20	18 42.93	-23 13.5	1.041	2.048	5.4	19.7	6 20	18 43.31	-34 19.7	1.216	2.213	6.9	19.5
6 30	18 32.17	-23 4.8	1.013	2.030	0.5	19.3	6 30	18 32.19	-34 25.6	1.209	2.215	5.2	19.4
7 10	18 21.22	-22 53.2	1.009	2.012	6.5	19.6	7 10	18 21.29	-34 13.7	1.226	2.217	7.8	19.5
7 20	18 11.77	-22 39.2	1.026	1.995	12.3	19.9	7 20	18 12.21	-33 45.9	1.266	2.220	11.9	19.8
7 30	18 5.28	-22 24.8	1.064	1.978	17.5	20.1	7 30	18 6.16	-33 6.9	1.326	2.224	15.9	20.0
<b>259713</b>	2003 YH <sub>60</sub>		6 29.2 154°18	1°2/28.9	17		<b>419943</b>	2011 BL <sub>82</sub>		6 29.2 39°27	0°1/29.2	17	
5 21	19 4.46	-23 45.2	1.753	2									

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6 29.2

6 29.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>158988</b>	2004 <i>SP</i> <sub>2</sub>		6 29.2 156°69	8°2/26.8	18		<b>362487</b>	2010 <i>TD</i> <sub>1</sub>		6 29.2 149°89	1°7/28.9	18	
5 21	19 8.00	-49 6.5	2.764	3.518	12.4	20.3	5 21	18 59.68	-28 15.2	2.723	3.528	11.4	22.1
5 31	19 2.52	-50 24.6	2.692	3.521	10.9	20.2	5 31	18 55.10	-28 35.1	2.639	3.534	9.0	22.0
6 10	18 54.29	-51 32.7	2.641	3.525	9.4	20.1	6 10	18 48.69	-28 54.0	2.577	3.538	6.2	21.8
6 20	18 43.84	-52 24.9	2.614	3.528	8.4	20.0	6 20	18 40.92	-29 9.7	2.542	3.543	3.4	21.6
6 30	18 32.14	-52 56.6	2.612	3.530	8.2	20.0	6 30	18 32.46	-29 20.4	2.535	3.547	1.8	21.5
7 10	18 20.44	-53 5.7	2.635	3.533	9.0	20.0	7 10	18 24.08	-29 25.0	2.557	3.551	4.0	21.7
7 20	18 9.95	-52 53.2	2.682	3.535	10.3	20.1	7 20	18 16.52	-29 23.6	2.606	3.555	6.8	21.8
7 30	18 1.70	-52 22.7	2.751	3.538	11.8	20.3	7 30	18 10.42	-29 17.1	2.681	3.559	9.5	22.0
<b>172597</b>	2003 <i>WC</i> <sub>28</sub>		6 29.2 114°35	0°7/29.1	18		<b>306939</b>	2001 <i>UW</i> <sub>108</sub>		6 29.2 287°68	4°0/29.6	18	
5 21	19 1.64	-25 6.5	2.035	2.853	14.2	20.6	5 21	18 59.46	-14 34.7	1.680	2.501	16.6	20.2
5 31	18 57.14	-25 10.9	1.957	2.859	11.2	20.4	5 31	18 55.95	-14 5.7	1.593	2.493	13.5	20.0
6 10	18 50.33	-25 15.8	1.900	2.866	7.7	20.2	6 10	18 49.85	-13 44.1	1.525	2.485	9.8	19.7
6 20	18 41.78	-25 19.1	1.867	2.872	3.8	20.0	6 20	18 41.69	-13 31.3	1.480	2.476	6.0	19.5
6 30	18 32.35	-25 19.2	1.862	2.878	0.8	19.8	6 30	18 32.38	-13 27.8	1.460	2.468	4.0	19.4
7 10	18 23.08	-25 15.2	1.884	2.884	4.5	20.1	7 10	18 23.06	-13 33.4	1.466	2.460	6.4	19.5
7 20	18 14.93	-25 7.5	1.932	2.890	8.3	20.3	7 20	18 14.85	-13 47.4	1.496	2.452	10.3	19.7
7 30	18 8.71	-24 57.1	2.005	2.895	11.6	20.5	7 30	18 8.72	-14 8.3	1.549	2.444	14.1	19.9
<b>366328</b>	2013 <i>EY</i> <sub>85</sub>		6 29.2 318°57	3°6/29.9	18		<b>373749</b>	2002 <i>TN</i> <sub>138</sub>		6 29.2 297°26	9°5/27.6	17	
5 21	18 56.09	-11 56.8	2.187	2.991	13.8	20.8	5 21	19 6.76	-41 11.7	1.522	2.340	18.2	21.1
5 31	18 52.63	-11 52.9	2.096	2.984	11.2	20.6	5 31	19 3.53	-42 20.0	1.423	2.311	15.5	20.8
6 10	18 47.22	-11 58.2	2.026	2.977	8.2	20.4	6 10	18 56.26	-43 21.8	1.342	2.282	12.6	20.6
6 20	18 40.47	-12 13.1	1.979	2.971	5.3	20.2	6 20	18 45.35	-44 7.4	1.283	2.253	10.2	20.4
6 30	18 32.48	-12 37.4	1.959	2.965	3.6	20.1	6 30	18 32.02	-44 27.3	1.246	2.224	9.6	20.2
7 10	18 24.67	-13 9.7	1.966	2.958	5.3	20.2	7 10	18 18.25	-44 15.7	1.232	2.195	11.4	20.3
7 20	18 17.66	-13 48.3	2.000	2.953	8.3	20.3	7 20	18 6.15	-43 33.4	1.239	2.166	14.7	20.4
7 30	18 12.17	-14 31.0	2.058	2.947	11.4	20.5	7 30	17 57.51	-42 26.8	1.267	2.137	18.3	20.5
<b>379790</b>	2011 <i>HT</i> <sub>69</sub>		6 29.2 105°36	2°7/28.8	17		<b>282394</b>	2003 <i>ST</i> <sub>196</sub>		6 29.2 288°17	7°7/29.4	16	
5 21	19 4.14	-28 43.2	1.867	2.686	15.3	21.7	5 21	18 58.03	-6 13.7	1.889	2.682	16.1	20.7
5 31	18 59.43	-29 17.0	1.796	2.698	12.1	21.6	5 31	18 54.49	-5 5.7	1.796	2.667	13.6	20.5
6 10	18 52.06	-29 50.1	1.746	2.709	8.4	21.4	6 10	18 48.69	-4 7.5	1.723	2.653	11.0	20.3
6 20	18 42.67	-30 18.4	1.720	2.721	4.7	21.2	6 20	18 41.08	-3 23.1	1.673	2.639	8.6	20.1
6 30	18 32.27	-30 38.3	1.721	2.732	2.8	21.1	6 30	18 32.44	-2 55.8	1.647	2.624	7.7	20.0
7 10	18 22.06	-30 47.9	1.749	2.743	5.5	21.3	7 10	18 23.73	-2 47.2	1.646	2.610	8.9	20.1
7 20	18 13.19	-30 47.6	1.802	2.754	9.2	21.5	7 20	18 15.93	-2 56.9	1.669	2.596	11.5	20.2
7 30	18 6.54	-30 39.3	1.879	2.764	12.5	21.7	7 30	18 9.89	-3 22.9	1.714	2.582	14.4	20.3
<b>27150</b>	Annasante		6 29.2 220°42	4°7/29.3	18		<b>442964</b>	2013 <i>CB</i> <sub>126</sub>		6 29.2 93°09	1°8/28.9	18	
5 21	18 59.69	-11 30.8	2.279	3.072	13.7	19.0	5 21	18 59.66	-27 38.8	2.407	3.219	12.5	21.3
5 31	18 55.28	-10 40.3	2.187	3.066	11.2	18.8	5 31	18 55.31	-28 2.9	2.329	3.228	9.8	21.1
6 10	18 48.91	-9 55.9	2.117	3.060	8.4	18.6	6 10	18 48.95	-28 26.5	2.273	3.236	6.8	20.9
6 20	18 41.06	-9 19.3	2.071	3.054	5.9	18.5	6 20	18 41.08	-28 47.2	2.242	3.244	3.6	20.8
6 30	18 32.41	-8 52.3	2.053	3.048	4.7	18.4	6 30	18 32.45	-29 2.7	2.239	3.252	1.9	20.6
7 10	18 23.81	-8 35.7	2.062	3.042	6.2	18.5	7 10	18 23.93	-29 11.8	2.264	3.260	4.3	20.8
7 20	18 16.03	-8 29.7	2.097	3.035	8.9	18.6	7 20	18 16.35	-29 14.2	2.316	3.268	7.4	21.0
7 30	18 9.80	-8 33.3	2.156	3.028	11.7	18.8	7 30	18 10.40	-29 11.1	2.393	3.276	10.3	21.2
<b>387352</b>	2012 <i>XR</i> <sub>4</sub>		6 29.2 344°80	1°8/29.5	17		<b>388913</b>	2008 <i>SZ</i> <sub>110</sub>		6 29.2 219°58	1°1/29.4	18	
5 21	18 56.48	-17 30.8	1.593	2.428	16.7	20.1	5 21	19 1.37	-19 15.4	2.488	3.288	12.5	23.1
5 31	18 53.81	-17 42.0	1.510	2.421	13.4	19.9	5 31	18 56.60	-19 18.7	2.386	3.277	9.9	22.9
6 10	18 48.49	-18 1.8	1.446	2.415	9.4	19.6	6 10	18 49.86	-19 25.9	2.306	3.267	6.9	22.7
6 20	18 41.06	-18 29.5	1.405	2.409	5.0	19.4	6 20	18 41.57	-19 36.1	2.253	3.255	3.6	22.5
6 30	18 32.42	-19 3.0	1.389	2.404	1.8	19.1	6 30	18 32.40	-19 48.1	2.228	3.243	1.1	22.3
7 10	18 23.76	-19 39.9	1.398	2.400	5.4	19.4	7 10	18 23.18	-20 1.1	2.231	3.230	4.0	22.5
7 20	18 16.26	-20 17.7	1.432	2.397	9.9	19.6	7 20	18 14.72	-20 14.1	2.263	3.217	7.4	22.6
7 30	18 10.90	-20 54.7	1.488	2.394	13.9	19.9	7 30	18 7.76	-20 27.1	2.320	3.203	10.6	22.8
<b>72117</b>	2000 <i>YU</i> <sub>62</sub>		6 29.2 244°33	1°1/29.4	18		<b>390594</b>	2001 <i>SV</i> <sub>96</sub>		6 29.2 326°67	3°9/29.6	17	
5 21	19 2.39	-19 12.6	1.653	2.477	16.7	19.8	5 21	18 57.47	-13 39.2	1.946	2.758	15.0	21.0
5 31	18 58.48	-19 23.3	1.563	2.468	13.4	19.5	5 31	18 53.94	-13 11.8	1.859	2.754	12.1	20.8
6 10	18 51.74	-19 41.0	1.492	2.459	9.3	19.2	6 10	18 48.22	-12 51.7	1.794	2.749	8.9	20.6
6 20	18 42.69	-20 4.2	1.445	2.449	4.8	19.0	6 20	18 40.80	-12 40.0	1.752	2.745	5.6	20.4
6 30	18 32.27	-20 30.7	1.423	2.439	1.2	18.7	6 30	18 32.47	-12 37.3	1.735	2.741	3.9	20.2
7 10	18 21.77	-20 58.1	1.428	2.429	5.4	18.9	7 10	18 24.18	-12 43.4	1.745	2.737	5.8	20.4
7 20	18 12.43	-21 24.7	1.457	2.418	10.1	19.2	7 20	18 16.84	-12 57.5	1.781	2.734	9.2	20.6
7 30	18 5.36	-21 49.7	1.510	2.408	14.3	19.4	7 30	18 11.26	-13 18.1	1.840	2.731	12.5	20.7
<b>123234</b>	2000 <i>UO</i> <sub>57</sub>		6 29.2 230°92	0°4/29.2	18		<b>434687</b>	2006 <i>BY</i> <sub>53</sub>		6 29.2 63°42	5°9/30.8	17	
5 21	19 2.22	-24 12.5	1.956	2.774	14.7	20.5	5 21	18 59.97	-7 10.7	1.696	2.496	17.3	21.0
5 31	18 57.85	-24 12.2	1.865	2.768	11.7	20.3	5 31	18 55.92	-6 59.8	1.636	2.516	14.3	20.9
6 10	18 50.99	-24 12.8	1.796	2.762	8.0	20.0	6 10	18 49.51	-7 4.1	1.595	2.537	10.8	20.7
6 20	18 42.19	-24 12.5	1.751	2.755	4.0	19.8	6 20	18 41.37	-7 24.7	1.577	2.557	7.6	20.6
6 30	18 32.33	-24 9.7	1.732	2.749	0.5	19.5	6 30	18 32.43	-8 1.0	1.583	2.578	5.9	20.5
7 10	18 22.51	-24 3.7	1.741	2.742	4.7	19.8	7 10	18 23.74	-8 50.8	1.615	2.599	7.2	20.6
7 20	18 13.78	-23 54.6	1.776	2.734	8.8	20.0	7 20	18 16.27	-9 50.2	1.672	2.620	10.1	20.9
7 30	18 7.04	-23 43.6	1.835	2.727	12.5	20.2	7 30	18 10.79	-10 55.3	1.753	2.640	13.1	21.1
<b>172497</b>	2003 <i>SB</i> <sub>168</sub>		6 29.2 281°81	2°0/28.8	18		<b>436162</b>	2009 <i>VG</i> <sub>60</sub>					

EPHEMERIDES

6 29.2

6 29.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>502727</b>	2015 <i>DM</i> <sub>32</sub>		6 29.2 93°56'	0.4/29.1	17		<b>427306</b>	2014 <i>WZ</i> <sub>268</sub>		6 29.2 126°21'	4.4/29.8	17	
5 21	19 1.96	-22 27.3	1.746	2.571	15.9	22.0	5 21	19 2.11	-13 15.6	1.618	2.433	17.4	21.7
5 31	18 57.82	-22 51.5	1.671	2.578	12.6	21.8	5 31	18 57.95	-12 50.6	1.544	2.439	14.1	21.5
6 10	18 51.04	-23 19.9	1.617	2.585	8.6	21.6	6 10	18 51.14	-12 35.2	1.489	2.445	10.3	21.3
6 20	18 42.23	-23 49.9	1.587	2.592	4.2	21.3	6 20	18 42.29	-12 30.5	1.457	2.451	6.4	21.1
6 30	18 32.36	-24 18.5	1.583	2.599	0.6	21.1	6 30	18 32.39	-12 36.6	1.450	2.457	4.4	20.9
7 10	18 22.61	-24 43.2	1.605	2.606	5.0	21.4	7 10	18 22.65	-12 52.7	1.469	2.462	6.6	21.1
7 20	18 14.12	-25 3.1	1.654	2.613	9.2	21.7	7 20	18 14.17	-13 17.1	1.513	2.467	10.4	21.3
7 30	18 7.80	-25 18.3	1.725	2.620	12.9	21.9	7 30	18 7.90	-13 47.8	1.579	2.472	14.0	21.6
<b>287120</b>	2002 <i>RW</i> <sub>177</sub>		6 29.2 336°98'	10.4/28.5	17		<b>216397</b>	2008 <i>EP</i> <sub>5</sub>		6 29.2 169°35'	3.7/30.1	18	
5 21	19 4.31	-45 28.4	1.556	2.367	18.1	20.2	5 21	18 57.60	-10 42.9	2.523	3.311	12.6	21.1
5 31	19 1.28	-46 27.1	1.477	2.355	15.7	20.0	5 31	18 53.45	-10 34.9	2.436	3.313	10.3	20.9
6 10	18 54.33	-47 12.7	1.417	2.343	13.1	19.8	6 10	18 47.58	-10 35.3	2.370	3.315	7.6	20.7
6 20	18 44.16	-47 36.5	1.376	2.332	11.0	19.6	6 20	18 40.42	-10 44.5	2.330	3.316	5.0	20.6
6 30	18 32.18	-47 31.0	1.358	2.322	10.4	19.6	6 30	18 32.56	-11 2.5	2.317	3.318	3.7	20.5
7 10	18 20.38	-46 53.5	1.362	2.313	11.6	19.6	7 10	18 24.75	-11 28.4	2.332	3.319	5.0	20.6
7 20	18 10.60	-45 47.5	1.388	2.305	14.0	19.7	7 20	18 17.67	-12 0.6	2.374	3.319	7.6	20.7
7 30	18 4.19	-44 20.4	1.434	2.298	16.9	19.9	7 30	18 11.94	-12 37.5	2.441	3.320	10.2	20.9
<b>138588</b>	2000 <i>QY</i> <sub>146</sub>		6 29.2 54°87'	5.9/28.6	18		<b>76453</b>	2000 <i>FT</i> <sub>36</sub>		6 29.2 204°73'	1.0/29.0	18	
5 21	19 5.89	-33 44.6	1.381	2.216	18.8	19.4	5 21	19 0.64	-24 47.7	2.139	2.955	13.7	19.8
5 31	19 2.11	-34 35.6	1.312	2.220	15.2	19.2	5 31	18 56.40	-25 5.8	2.051	2.953	10.8	19.6
6 10	18 54.64	-35 22.3	1.262	2.223	11.2	18.9	6 10	18 49.90	-25 25.5	1.986	2.952	7.4	19.4
6 20	18 44.21	-35 57.7	1.233	2.227	7.4	18.7	6 20	18 41.65	-25 44.4	1.946	2.950	3.7	19.1
6 30	18 32.19	-36 15.3	1.228	2.230	5.9	18.7	6 30	18 32.45	-26 0.3	1.932	2.948	1.0	18.9
7 10	18 20.40	-36 12.1	1.247	2.234	8.4	18.8	7 10	18 23.29	-26 11.7	1.947	2.946	4.5	19.2
7 20	18 10.50	-35 50.0	1.289	2.238	12.3	19.0	7 20	18 15.12	-26 18.0	1.988	2.944	8.1	19.4
7 30	18 3.77	-35 14.2	1.352	2.242	16.1	19.3	7 30	18 8.76	-26 20.1	2.053	2.942	11.5	19.6
<b>250335</b>	2003 <i>SV</i> <sub>117</sub>		6 29.2 194°74'	3.0/28.8	17		<b>311408</b>	2005 <i>UF</i> <sub>24</sub>		6 29.2 120°21'	3.6/29.6	17	
5 21	19 6.06	-29 13.8	1.767	2.586	16.0	21.3	5 21	18 57.73	-12 56.6	2.456	3.252	12.7	21.3
5 31	19 1.32	-29 43.2	1.683	2.584	12.8	21.0	5 31	18 53.55	-12 25.0	2.374	3.257	10.3	21.1
6 10	18 53.63	-30 11.6	1.619	2.583	9.0	20.8	6 10	18 47.62	-11 59.5	2.314	3.263	7.5	20.9
6 20	18 43.59	-30 34.7	1.580	2.580	5.1	20.6	6 20	18 40.42	-11 40.9	2.279	3.268	4.9	20.8
6 30	18 32.25	-30 48.6	1.566	2.577	3.0	20.4	6 30	18 32.56	-11 29.9	2.271	3.273	3.6	20.7
7 10	18 20.97	-30 51.0	1.580	2.574	6.0	20.6	7 10	18 24.82	-11 26.7	2.291	3.278	5.1	20.8
7 20	18 11.06	-30 42.5	1.618	2.570	10.0	20.8	7 20	18 17.87	-11 30.7	2.338	3.283	7.7	21.0
7 30	18 3.58	-30 25.6	1.680	2.566	13.7	21.1	7 30	18 12.33	-11 41.0	2.409	3.288	10.4	21.2
<b>512048</b>	2015 <i>MM</i> <sub>85</sub>		6 29.2 332°99'	2.5/29.9	18		<b>252792</b>	2002 <i>EK</i> <sub>163</sub>		6 29.2 146°38'	0.9/28.9	18	
5 21	18 57.07	-14 24.3	2.025	2.837	14.5	20.9	5 21	18 58.91	-23 19.9	2.349	3.162	12.7	20.5
5 31	18 53.62	-14 37.8	1.936	2.832	11.6	20.7	5 31	18 54.84	-23 56.6	2.262	3.162	10.0	20.3
6 10	18 48.03	-15 0.6	1.869	2.828	8.3	20.5	6 10	18 48.74	-24 36.6	2.197	3.162	6.9	20.1
6 20	18 40.74	-15 32.3	1.825	2.823	4.8	20.3	6 20	18 41.06	-25 17.6	2.158	3.162	3.4	19.9
6 30	18 32.51	-16 11.4	1.808	2.819	2.5	20.1	6 30	18 32.51	-25 56.8	2.147	3.163	0.9	19.7
7 10	18 24.25	-16 55.8	1.817	2.816	4.9	20.3	7 10	18 23.95	-26 31.8	2.164	3.163	4.1	19.9
7 20	18 16.88	-17 43.0	1.853	2.812	8.5	20.5	7 20	18 16.23	-27 1.5	2.208	3.163	7.5	20.2
7 30	18 11.20	-18 30.8	1.914	2.809	11.9	20.7	7 30	18 10.11	-27 25.5	2.277	3.163	10.6	20.4
<b>211650</b>	2003 <i>UL</i> <sub>226</sub>		6 29.2 18°31'	10.3/27.9	17		<b>103870</b>	2000 <i>DJ</i> <sub>44</sub>		6 29.2 215°35'	1.9/29.5	17	
5 21	19 0.09	-37 59.1	1.020	1.882	22.0	18.4	5 21	18 59.56	-17 23.0	2.163	2.972	13.8	20.0
5 31	18 58.84	-39 37.8	0.971	1.889	18.3	18.2	5 31	18 55.41	-17 18.7	2.073	2.969	11.0	19.8
6 10	18 53.09	-41 7.8	0.939	1.898	14.4	18.0	6 10	18 49.15	-17 19.9	2.005	2.965	7.7	19.6
6 20	18 43.64	-42 17.5	0.925	1.908	11.2	17.8	6 20	18 41.27	-17 26.1	1.961	2.962	4.2	19.4
6 30	18 32.24	-42 56.3	0.931	1.919	10.3	17.8	6 30	18 32.50	-17 36.5	1.944	2.958	1.9	19.2
7 10	18 21.28	-43 0.2	0.958	1.932	12.3	18.0	7 10	18 23.75	-17 50.1	1.955	2.953	4.6	19.4
7 20	18 12.86	-42 32.9	1.004	1.946	15.6	18.2	7 20	18 15.90	-18 6.1	1.993	2.949	8.1	19.6
7 30	18 8.38	-41 42.7	1.067	1.961	19.1	18.5	7 30	18 9.71	-18 23.8	2.055	2.944	11.4	19.8
<b>72421</b>	2001 <i>CF</i> <sub>36</sub>		6 29.2 269°93'	4.0/28.5	18		<b>118906</b>	2000 <i>UE</i> <sub>93</sub>		6 29.2 260°74'	0.2/29.2	18	
5 21	19 5.12	-30 18.1	1.667	2.492	16.6	19.6	5 21	18 59.33	-23 58.4	2.278	3.093	13.0	20.1
5 31	19 1.18	-31 1.7	1.566	2.471	13.4	19.3	5 31	18 55.17	-23 55.7	2.188	3.089	10.3	19.9
6 10	18 53.99	-31 45.8	1.486	2.449	9.7	19.0	6 10	18 48.95	-23 53.6	2.120	3.086	7.0	19.7
6 20	18 43.99	-32 25.1	1.428	2.426	5.8	18.8	6 20	18 41.15	-23 50.9	2.078	3.082	3.5	19.5
6 30	18 32.20	-32 53.8	1.396	2.404	4.1	18.6	6 30	18 32.52	-23 46.5	2.062	3.079	0.4	19.2
7 10	18 20.08	-33 8.0	1.389	2.381	7.1	18.7	7 10	18 23.95	-23 39.8	2.075	3.076	4.1	19.5
7 20	18 9.20	-33 6.9	1.407	2.357	11.4	18.9	7 20	18 16.30	-23 31.0	2.115	3.072	7.6	19.7
7 30	18 0.92	-32 53.2	1.447	2.333	15.5	19.1	7 30	18 10.31	-23 21.0	2.179	3.069	10.8	19.9
<b>168899</b>	2000 <i>WV</i> <sub>147</sub>		6 29.2 181°69'	1.0/29.3	17		<b>321702</b>	2010 <i>FX</i> <sub>21</sub>		6 29.2 15°56'	1.3/28.9	17	
5 21	19 4.19	-21 0.4	1.691	2.512	16.5	20.9	5 21	19 0.33	-24 58.9	1.810	2.637	15.3	21.0
5 31	18 59.66	-20 52.0	1.609	2.513	13.1	20.7	5 31	18 56.58	-25 24.5	1.730	2.638	12.1	20.8
6 10	18 52.37	-20 46.9	1.547	2.513	9.1	20.5	6 10	18 50.25	-25 52.5	1.671	2.639	8.4	20.6
6 20	18 42.93	-20 44.1	1.509	2.513	4.6	20.2	6 20	18 41.90	-26 19.7	1.636	2.640	4.2	20.4
6 30	18 32.33	-20 42.3	1.497	2.513	1.1	19.9	6 30	18 32.45	-26 43.3	1.626	2.642	1.4	20.2
7 10	18 21.84	-20 40.7	1.511	2.512	5.3	20.2	7 10	18 23.08	-27 0.9	1.644	2.643	5.1	20.4
7 20	18 12.64	-20 39.3	1.551	2.511	9.7	20.5	7 20	18 14.89	-27 12.0	1.686	2.645	9.1	20.7
7 30	18 5.73	-20 38.6	1.614	2.509	13.7	20.7	7 30	18 8.81	-27 17.2	1.752	2.647	12.8	20.9
<b>361442</b>	2007 <i>BX</i> <sub>15</sub>		6 29.2 169°67'	0.6/29.1	1								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>260147</b>	2004 <i>RK</i> <sub>5</sub>		6 29.2 283°65	0°8/29.4	18		<b>81422</b>	2000 <i>GQ</i> <sub>101</sub>		6 29.2 41°25	5°2/29.6	18	
5 21	18 57.95	-19 23.1	2.405	3.214	12.6	20.7	5 21	18 59.98	-13 29.0	1.433	2.261	18.6	19.4
5 31	18 54.14	-19 38.4	2.295	3.193	10.0	20.5	5 31	18 56.53	-12 41.2	1.367	2.270	15.1	19.2
6 10	18 48.34	-19 58.7	2.208	3.171	7.0	20.2	6 10	18 50.29	-12 2.6	1.319	2.278	11.1	19.0
6 20	18 40.93	-20 23.0	2.146	3.149	3.6	20.0	6 20	18 41.93	-11 35.3	1.294	2.287	7.2	18.8
6 30	18 32.54	-20 49.8	2.111	3.127	0.8	19.7	6 30	18 32.53	-11 21.0	1.292	2.297	5.2	18.7
7 10	18 24.00	-21 17.4	2.104	3.105	4.1	19.9	7 10	18 23.38	-11 19.8	1.315	2.307	7.4	18.8
7 20	18 16.14	-21 44.4	2.125	3.082	7.6	20.1	7 20	18 15.65	-11 30.6	1.361	2.317	11.2	19.1
7 30	18 9.74	-22 10.1	2.171	3.060	10.9	20.3	7 30	18 10.27	-11 51.2	1.429	2.327	14.9	19.3
<b>320762</b>	2008 <i>EV</i> <sub>81</sub>		6 29.2 55°04	7°2/30.4	17		<b>282282</b>	2002 <i>PK</i> <sub>38</sub>		6 29.2 322°77	2°6/29.7	18	
5 21	18 59.53	- 7 19.3	1.492	2.303	18.8	20.5	5 21	18 58.63	-15 21.5	1.869	2.686	15.3	20.6
5 31	18 56.07	- 6 41.7	1.424	2.310	15.6	20.3	5 31	18 55.04	-15 23.2	1.784	2.683	12.3	20.4
6 10	18 49.94	- 6 19.3	1.374	2.316	12.1	20.1	6 10	18 49.11	-15 33.2	1.720	2.681	8.8	20.2
6 20	18 41.74	- 6 15.0	1.344	2.323	8.8	20.0	6 20	18 41.35	-15 51.5	1.679	2.678	5.0	20.0
6 30	18 32.48	- 6 30.1	1.338	2.330	7.2	19.9	6 30	18 32.58	-16 16.8	1.664	2.676	2.6	19.8
7 10	18 23.38	- 7 3.4	1.357	2.338	8.6	20.0	7 10	18 23.82	-16 47.4	1.675	2.673	5.2	20.0
7 20	18 15.57	- 7 51.8	1.398	2.345	11.7	20.2	7 20	18 16.07	-17 21.5	1.712	2.671	9.0	20.2
7 30	18 9.98	- 8 50.9	1.462	2.353	15.1	20.4	7 30	18 10.18	-17 57.3	1.773	2.669	12.6	20.4
<b>332495</b>	2008 <i>FQ</i> <sub>73</sub>		6 29.2 186°64	1°9/28.8	17		<b>483339</b>	2016 <i>QD</i> <sub>75</sub>		6 29.2 265°04	3°9/29.7	18	
5 21	19 4.30	-25 40.8	1.835	2.654	15.5	21.5	5 21	18 57.31	-12 1.8	2.345	3.142	13.2	21.6
5 31	18 59.77	-26 19.3	1.751	2.654	12.3	21.3	5 31	18 53.48	-11 37.0	2.249	3.132	10.8	21.4
6 10	18 52.50	-27 0.4	1.688	2.654	8.5	21.0	6 10	18 47.78	-11 19.3	2.174	3.122	8.0	21.2
6 20	18 43.04	-27 40.4	1.650	2.653	4.4	20.8	6 20	18 40.62	-11 9.7	2.123	3.111	5.3	21.0
6 30	18 32.36	-28 15.2	1.638	2.652	2.0	20.6	6 30	18 32.64	-11 8.9	2.100	3.101	3.9	20.9
7 10	18 21.68	-28 41.8	1.653	2.650	5.4	20.8	7 10	18 24.65	-11 16.6	2.103	3.090	5.4	21.0
7 20	18 12.20	-28 59.4	1.694	2.648	9.5	21.1	7 20	18 17.41	-11 32.1	2.133	3.080	8.3	21.2
7 30	18 4.94	-29 8.9	1.759	2.646	13.1	21.3	7 30	18 11.61	-11 54.1	2.188	3.069	11.2	21.3
<b>1832</b>	<i>Mrkos</i>		6 29.2 262°17	3°0/29.1	18		<b>296104</b>	2009 <i>BT</i> <sub>43</sub>		6 29.2 68°40	1°2/29.1	16	
5 21	19 2.22	-33 28.1	2.523	3.325	12.2	16.7	5 21	19 1.27	-26 31.1	1.981	2.801	14.5	21.4
5 31	18 57.40	-33 29.5	2.426	3.316	9.8	16.5	5 31	18 56.98	-26 35.1	1.905	2.808	11.4	21.2
6 10	18 50.44	-33 25.7	2.352	3.307	7.1	16.3	6 10	18 50.32	-26 38.6	1.849	2.815	7.8	21.0
6 20	18 41.88	-33 14.2	2.303	3.298	4.3	16.1	6 20	18 41.88	-26 39.3	1.819	2.823	4.0	20.8
6 30	18 32.48	-32 53.3	2.282	3.288	3.0	16.0	6 30	18 32.55	-26 35.4	1.814	2.830	1.3	20.6
7 10	18 23.19	-32 22.5	2.289	3.279	4.8	16.1	7 10	18 23.41	-26 26.3	1.837	2.837	4.6	20.9
7 20	18 14.87	-31 43.4	2.323	3.269	7.7	16.3	7 20	18 15.44	-26 12.6	1.887	2.844	8.4	21.1
7 30	18 8.26	-30 58.5	2.383	3.260	10.5	16.4	7 30	18 9.45	-25 55.9	1.960	2.852	11.8	21.4
<b>246401</b>	2007 <i>UH</i> <sub>79</sub>		6 29.2 258°87	1°1/29.4	18		<b>164458</b>	2006 <i>DN</i> <sub>61</sub>		6 29.2 31°39	9°5/1.5	18	
5 21	18 59.41	-19 15.9	2.109	2.923	13.9	21.0	5 21	18 56.63	- 1 26.1	1.534	2.328	19.1	19.4
5 31	18 55.47	-19 24.0	2.014	2.914	11.1	20.8	5 31	18 53.65	- 0 39.1	1.472	2.338	16.3	19.3
6 10	18 49.32	-19 37.1	1.940	2.904	7.7	20.6	6 10	18 48.20	- 0 11.8	1.428	2.349	13.4	19.1
6 20	18 41.42	-19 54.3	1.891	2.894	4.0	20.4	6 20	18 40.88	- 0 8.0	1.404	2.361	10.8	19.0
6 30	18 32.52	-20 14.1	1.869	2.884	1.1	20.1	6 30	18 32.64	- 0 29.8	1.402	2.373	9.5	18.9
7 10	18 23.57	-20 35.0	1.874	2.874	4.5	20.3	7 10	18 24.59	- 1 15.7	1.424	2.386	10.2	19.0
7 20	18 15.51	-20 55.7	1.905	2.864	8.3	20.6	7 20	18 17.76	- 2 21.5	1.468	2.399	12.4	19.2
7 30	18 9.16	-21 15.8	1.962	2.854	11.8	20.8	7 30	18 12.97	- 3 41.5	1.533	2.413	15.1	19.4
<b>3962</b>	<i>Valyaev</i>		6 29.2 107°07	0°6/29.1	18		<b>522887</b>	2016 <i>OH</i> <sub>8</sub>		6 29.2 130°21	7°1/30.2	18	
5 21	18 59.27	-24 30.4	2.521	3.330	12.0	17.7	5 21	18 58.42	- 3 30.9	2.249	3.018	14.5	21.3
5 31	18 54.85	-24 43.5	2.442	3.340	9.5	17.6	5 31	18 54.24	- 2 38.9	2.172	3.024	12.3	21.1
6 10	18 48.57	-24 57.4	2.386	3.350	6.5	17.4	6 10	18 48.20	- 1 58.7	2.116	3.031	10.0	21.0
6 20	18 40.93	-25 10.6	2.356	3.360	3.2	17.2	6 20	18 40.78	- 1 33.0	2.083	3.037	8.0	20.9
6 30	18 32.60	-25 21.4	2.354	3.370	0.7	17.0	6 30	18 32.66	- 1 23.8	2.076	3.043	7.1	20.8
7 10	18 24.39	-25 28.9	2.380	3.379	3.8	17.3	7 10	18 24.64	- 1 31.3	2.094	3.049	7.9	20.9
7 20	18 17.05	-25 32.8	2.433	3.388	6.9	17.5	7 20	18 17.46	- 1 54.1	2.138	3.054	9.8	21.0
7 30	18 11.22	-25 33.6	2.512	3.398	9.8	17.7	7 30	18 11.79	- 2 29.7	2.205	3.060	12.1	21.2
<b>189553</b>	2000 <i>ST</i> <sub>2</sub>		6 29.2 291°37	4°0/29.1	18		<b>478175</b>	2011 <i>UV</i> <sub>191</sub>		6 29.2 269°42	2°3/28.9	18	
5 21	19 1.15	-16 57.2	1.706	2.527	16.4	19.5	5 21	19 0.87	-29 29.8	2.214	3.028	13.3	21.4
5 31	18 57.27	-15 57.8	1.615	2.515	13.3	19.2	5 31	18 56.64	-29 44.5	2.122	3.022	10.6	21.2
6 10	18 50.76	-15 0.7	1.544	2.504	9.6	19.0	6 10	18 50.11	-29 57.3	2.053	3.015	7.5	21.0
6 20	18 42.20	-14 7.9	1.496	2.493	5.9	18.7	6 20	18 41.82	-30 5.4	2.008	3.009	4.2	20.8
6 30	18 32.49	-13 21.7	1.474	2.482	4.0	18.6	6 30	18 32.57	-30 6.5	1.990	3.002	2.4	20.6
7 10	18 22.80	-12 44.1	1.478	2.471	6.6	18.7	7 10	18 23.36	-29 59.4	2.000	2.995	4.9	20.8
7 20	18 14.26	-12 16.4	1.507	2.460	10.5	18.9	7 20	18 15.15	-29 44.8	2.036	2.989	8.2	21.0
7 30	18 7.83	-11 59.3	1.559	2.449	14.3	19.1	7 30	18 8.78	-29 24.3	2.097	2.982	11.4	21.2
<b>442840</b>	2013 <i>AZ</i> <sub>100</sub>		6 29.2 45°06	3°4/29.3	16		<b>189780</b>	2002 <i>CA</i> <sub>275</sub>		6 29.2 219°16	1°5/29.5	17	
5 21	19 3.78	-33 31.6	1.892	2.709	15.2	20.8	5 21	19 1.63	-18 28.9	2.192	2.998	13.7	21.8
5 31	18 58.97	-33 30.6	1.831	2.729	12.1	20.6	5 31	18 57.10	-18 29.5	2.096	2.990	10.9	21.6
6 10	18 51.60	-33 23.1	1.791	2.750	8.6	20.5	6 10	18 50.39	-18 34.9	2.021	2.982	7.7	21.3
6 20	18 42.41	-33 6.2	1.774	2.771	5.2	20.3	6 20	18 41.96	-18 44.5	1.971	2.973	4.0	21.1
6 30	18 32.49	-32 38.2	1.785	2.792	3.4	20.2	6 30	18 32.56	-18 57.0	1.949	2.963	1.5	20.9
7 10	18 23.02	-31 59.8	1.821	2.814	5.6	20.4	7 10	18 23.12	-19 11.5	1.954	2.953	4.5	21.1
7 20	18 15.03	-31 13.4	1.884	2.836	8.8	20.6	7 20	18 14.55	-19 26.9	1.987	2.943	8.2	21.3
7 30	18 9.26	-30 22.9	1.971	2.858	11.9	20.9	7 30	18 7.68	-19 42.9	2.045	2.932	11.6	21.5
<b>287067</b>	2002 <i>RG</i> <sub>20</sub>		6 29.2 294°92	2°8/28.8	17		<b>156968</b>	2003 <					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>203702</b>	2002 <i>PV</i> <sub>28</sub>		6 29.2 263°77	0°5/29.3	18		<b>344080</b>	1998 <i>RP</i> <sub>36</sub>		6 29.2 281°97	8°2/29.8	18	
5 21	19 0.28	-21 56.7	2.022	2.840	14.3	20.6	5 21	18 58.34	-2 47.6	2.078	2.850	15.5	21.2
5 31	18 56.27	-21 53.0	1.929	2.832	11.3	20.4	5 31	18 54.70	-1 54.4	1.971	2.824	13.3	21.0
6 10	18 49.93	-21 51.8	1.857	2.823	7.8	20.2	6 10	18 48.90	-1 13.0	1.882	2.797	11.0	20.8
6 20	18 41.76	-21 51.8	1.810	2.815	3.9	19.9	6 20	18 41.33	-0 47.2	1.817	2.770	9.0	20.6
6 30	18 32.59	-21 51.9	1.790	2.806	0.6	19.6	6 30	18 32.64	-0 40.1	1.775	2.742	8.2	20.5
7 10	18 23.41	-21 51.3	1.796	2.797	4.5	19.9	7 10	18 23.74	-0 53.0	1.759	2.714	9.1	20.5
7 20	18 15.22	-21 49.9	1.829	2.789	8.5	20.1	7 20	18 15.55	-1 25.0	1.767	2.686	11.4	20.6
7 30	18 8.88	-21 48.0	1.886	2.780	12.1	20.3	7 30	18 8.93	-2 13.5	1.798	2.658	14.2	20.7
<b>482148</b>	2010 <i>TA</i> <sub>13</sub>		6 29.2 197°59	5°1/29.9	18		<b>306935</b>	2001 <i>UK</i> <sub>99</sub>		6 29.2 76°43	3°6/28.6	17	
5 21	18 56.68	-6 24.8	2.825	3.594	11.9	22.7	5 21	19 3.62	-29 12.8	1.658	2.486	16.5	20.1
5 31	18 52.55	-5 46.3	2.734	3.592	9.9	22.5	5 31	18 59.57	-30 1.0	1.585	2.492	13.1	19.8
6 10	18 46.90	-5 16.0	2.665	3.589	7.8	22.4	6 10	18 52.54	-30 49.2	1.533	2.497	9.3	19.6
6 20	18 40.12	-4 55.6	2.621	3.586	6.0	22.2	6 20	18 43.15	-31 32.5	1.503	2.503	5.4	19.4
6 30	18 32.74	-4 46.3	2.604	3.583	5.1	22.2	6 30	18 32.50	-32 5.7	1.500	2.509	3.6	19.3
7 10	18 25.38	-4 48.2	2.615	3.580	6.0	22.2	7 10	18 21.96	-32 26.0	1.522	2.515	6.4	19.5
7 20	18 18.66	-5 0.7	2.652	3.576	7.9	22.3	7 20	18 12.86	-32 33.0	1.568	2.520	10.3	19.7
7 30	18 13.11	-5 22.4	2.714	3.572	10.0	22.5	7 30	18 6.24	-32 29.1	1.638	2.526	13.9	20.0
<b>171760</b>	2000 <i>YU</i> <sub>97</sub>		6 29.2 140°48	0°0/29.2	17		<b>137547</b>	1999 <i>VZ</i> <sub>76</sub>		6 29.2 23°32	1°9/29.5	17	
5 21	19 5.90	-22 53.0	1.845	2.659	15.6	21.2	5 21	18 58.59	-19 7.8	1.187	2.042	20.1	19.9
5 31	19 0.71	-22 56.8	1.770	2.670	12.3	21.0	5 31	18 56.17	-19 1.9	1.126	2.048	16.0	19.7
6 10	18 52.93	-23 2.7	1.715	2.680	8.5	20.8	6 10	18 50.46	-19 3.8	1.082	2.056	11.1	19.4
6 20	18 43.19	-23 9.0	1.686	2.690	4.2	20.6	6 20	18 42.19	-19 12.5	1.059	2.064	5.8	19.2
6 30	18 32.48	-23 13.5	1.683	2.699	0.4	20.3	6 30	18 32.61	-19 26.3	1.058	2.074	1.9	18.9
7 10	18 21.97	-23 15.3	1.707	2.708	4.8	20.6	7 10	18 23.31	-19 43.3	1.081	2.084	6.3	19.2
7 20	18 12.75	-23 14.4	1.758	2.716	8.9	20.9	7 20	18 15.70	-20 1.8	1.126	2.095	11.4	19.6
7 30	18 5.71	-23 11.6	1.834	2.723	12.6	21.1	7 30	18 10.88	-20 20.9	1.191	2.107	15.9	19.9
<b>253520</b>	2003 <i>SD</i> <sub>172</sub>		6 29.2 287°65	3°1/28.9	17		<b>27249</b>	1999 <i>WO</i> <sub>8</sub>		6 29.2 291°36	4°7/29.6	18	
5 21	19 3.03	-28 22.7	1.462	2.299	17.8	20.6	5 21	18 59.88	-14 7.2	1.510	2.337	17.9	18.4
5 31	18 59.85	-28 50.3	1.367	2.280	14.4	20.3	5 31	18 56.69	-13 29.4	1.422	2.324	14.6	18.1
6 10	18 53.26	-29 18.6	1.291	2.260	10.2	20.0	6 10	18 50.65	-12 59.5	1.352	2.312	10.7	17.9
6 20	18 43.75	-29 43.2	1.237	2.240	5.7	19.7	6 20	18 42.30	-12 39.3	1.305	2.300	6.8	17.6
6 30	18 32.40	-29 58.8	1.207	2.220	3.1	19.5	6 30	18 32.60	-12 30.3	1.281	2.288	4.7	17.4
7 10	18 20.80	-30 2.5	1.202	2.200	6.8	19.6	7 10	18 22.82	-12 32.8	1.282	2.276	7.2	17.6
7 20	18 10.57	-29 53.9	1.220	2.180	11.8	19.8	7 20	18 14.23	-12 45.9	1.307	2.264	11.4	17.8
7 30	18 3.15	-29 35.7	1.259	2.160	16.3	20.1	7 30	18 7.93	-13 8.0	1.353	2.252	15.5	18.0
<b>123938</b>	2001 <i>EB</i> <sub>17</sub>		6 29.2 341°53	11°9/23.7	18		<b>144734</b>	2004 <i>GM</i> <sub>41</sub>		6 29.2 100°56	0°9/29.1	17	
5 21	19 9.24	-30 41.3	0.960	1.820	23.3	18.5	5 21	19 0.14	-24 44.2	2.139	2.956	13.6	20.7
5 31	19 7.37	-34 28.7	0.896	1.816	19.2	18.2	5 31	18 56.00	-25 1.6	2.056	2.959	10.8	20.5
6 10	19 0.35	-38 34.7	0.851	1.813	15.0	18.0	6 10	18 49.65	-25 20.5	1.995	2.961	7.4	20.3
6 20	18 48.14	-42 37.6	0.828	1.811	12.2	17.8	6 20	18 41.61	-25 38.6	1.959	2.964	3.7	20.1
6 30	18 31.97	-46 9.8	0.828	1.808	12.7	17.8	6 30	18 32.67	-25 53.8	1.951	2.966	1.0	19.9
7 10	18 14.59	-48 50.3	0.851	1.807	16.0	18.0	7 10	18 23.82	-26 4.6	1.969	2.969	4.4	20.1
7 20	17 59.36	-50 32.7	0.892	1.806	20.2	18.2	7 20	18 15.96	-26 10.7	2.014	2.971	8.0	20.3
7 30	17 49.19	-51 24.9	0.950	1.805	24.1	18.5	7 30	18 9.89	-26 12.7	2.084	2.974	11.3	20.6
<b>167167</b>	2003 <i>SZ</i> <sub>249</sub>		6 29.2 297°49	8°1/29.5	18		<b>251432</b>	2008 <i>BG</i> <sub>35</sub>		6 29.2 357°24	1°9/29.5	18	
5 21	18 57.68	-5 26.0	1.836	2.629	16.5	19.7	5 21	18 57.23	-17 44.6	1.966	2.786	14.6	20.2
5 31	18 54.32	-4 17.3	1.746	2.616	14.0	19.5	5 31	18 53.83	-17 40.2	1.883	2.785	11.6	20.0
6 10	18 48.66	-3 19.4	1.675	2.603	11.3	19.3	6 10	18 48.23	-17 41.5	1.820	2.784	8.1	19.8
6 20	18 41.17	-2 36.5	1.627	2.590	9.0	19.1	6 20	18 40.93	-17 48.2	1.782	2.783	4.4	19.6
6 30	18 32.64	-2 12.0	1.603	2.578	8.1	19.0	6 30	18 32.73	-17 59.4	1.769	2.783	1.9	19.4
7 10	18 24.06	-2 7.5	1.603	2.565	9.3	19.1	7 10	18 24.59	-18 14.0	1.783	2.783	4.7	19.6
7 20	18 16.41	-2 22.4	1.627	2.553	11.8	19.2	7 20	18 17.42	-18 31.0	1.823	2.783	8.5	19.8
7 30	18 10.55	-2 54.2	1.672	2.541	14.6	19.4	7 30	18 12.02	-18 49.6	1.887	2.784	11.9	20.0
<b>202181</b>	2004 <i>XE</i> <sub>13</sub>		6 29.2 166°95	1°2/29.4	18		<b>260327</b>	2004 <i>TQ</i> <sub>176</sub>		6 29.2 298°39	2°3/29.5	18	
5 21	19 1.52	-19 54.9	2.217	3.025	13.5	21.0	5 21	18 57.11	-17 4.7	2.243	3.054	13.3	20.8
5 31	18 56.87	-19 48.7	2.132	3.028	10.7	20.8	5 31	18 53.57	-16 48.3	2.139	3.036	10.7	20.5
6 10	18 50.11	-19 45.8	2.069	3.031	7.4	20.6	6 10	18 48.00	-16 36.4	2.057	3.018	7.6	20.3
6 20	18 41.77	-19 45.4	2.031	3.034	3.8	20.4	6 20	18 40.83	-16 29.2	2.000	2.999	4.3	20.1
6 30	18 32.60	-19 46.7	2.020	3.036	1.2	20.2	6 30	18 32.74	-16 26.8	1.969	2.981	2.3	19.9
7 10	18 23.53	-19 49.0	2.038	3.037	4.3	20.4	7 10	18 24.57	-16 28.7	1.966	2.963	4.7	20.0
7 20	18 15.41	-19 52.1	2.083	3.039	7.8	20.7	7 20	18 17.16	-16 34.6	1.989	2.945	8.1	20.2
7 30	18 8.99	-19 55.9	2.152	3.040	11.1	20.9	7 30	18 11.29	-16 44.0	2.036	2.927	11.4	20.4
<b>31131</b>	1997 <i>SV</i> <sub>10</sub>		6 29.2 38°18	4°2/29.7	18		<b>248144</b>	2004 <i>TB</i> <sub>117</sub>		6 29.2 22°11	11°9/30.9	16	
5 21	19 0.45	-15 19.9	1.185	2.031	20.6	17.8	5 21	18 55.47	+ 8 16.3	2.103	2.826	16.7	19.8
5 31	18 57.54	-14 53.5	1.123	2.038	16.6	17.6	5 31	18 52.14	+ 9 45.9	2.037	2.830	15.1	19.6
6 10	18 51.34	-14 37.7	1.079	2.046	11.9	17.3	6 10	18 46.90	+10 56.8	1.989	2.835	13.6	19.5
6 20	18 42.58	-14 33.5	1.055	2.055	7.0	17.1	6 20	18 40.22	+11 44.0	1.961	2.840	12.4	19.5
6 30	18 32.53	-14 40.9	1.053	2.064	4.2	17.0	6 30	18 32.81	+12 3.9	1.955	2.846	11.9	19.4
7 10	18 22.77	-14 58.4	1.075	2.074	7.2	17.2	7 10	18 25.48	+11 55.5	1.970	2.852	12.2	19.5
7 20	18 14.69	-15 23.9	1.119	2.084	11.9	17.5	7 20	18 19.01	+11 20.8	2.006	2.858	13.3	19.6
7 30	18 9.41	-15 55.0	1.183	2.095	16.3	17.7	7 30	18 14.08	+10 23.8	2.063	2.865	14.7	

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6 29.3

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>94255</b>	2001 <i>CX</i> <sub>30</sub>		6 29.2 205°83	2°6/28.6	18		<b>376262</b>	2011 <i>FJ</i> <sub>18</sub>		6 29.2 130°49	1°6/29.1	17	
5 21	19 3.89	-28 49.1	2.430	3.233	12.6	20.1	5 21	19 4.51	-26 46.3	1.979	2.794	14.7	21.2
5 31	18 58.89	-29 31.3	2.335	3.228	10.0	19.9	5 31	18 59.58	-27 2.0	1.904	2.804	11.6	21.0
6 10	18 51.66	-30 13.7	2.263	3.222	7.1	19.7	6 10	18 52.16	-27 17.4	1.849	2.813	8.0	20.8
6 20	18 42.65	-30 52.8	2.216	3.215	4.1	19.5	6 20	18 42.87	-27 29.8	1.820	2.823	4.1	20.6
6 30	18 32.61	-31 25.2	2.198	3.208	2.6	19.4	6 30	18 32.65	-27 36.6	1.817	2.832	1.6	20.5
7 10	18 22.51	-31 48.6	2.209	3.200	4.9	19.6	7 10	18 22.61	-27 36.7	1.842	2.840	4.8	20.7
7 20	18 13.28	-32 2.3	2.247	3.192	8.0	19.7	7 20	18 13.80	-27 30.5	1.893	2.848	8.6	20.9
7 30	18 5.77	-32 7.4	2.310	3.183	11.0	19.9	7 30	18 7.05	-27 19.4	1.969	2.856	12.0	21.2
<b>231873</b>	2000 <i>TB</i> <sub>52</sub>		6 29.2 239°95	0°8/29.1	17		<b>64851</b>	2001 <i>YK</i> <sub>21</sub>		6 29.2 350°32	0°7/29.2	18	
5 21	19 2.97	-24 41.6	2.162	2.972	13.7	21.8	5 21	18 58.75	-24 25.8	1.111	1.974	20.6	18.1
5 31	18 58.39	-24 53.2	2.060	2.959	10.9	21.6	5 31	18 56.90	-24 26.7	1.041	1.969	16.4	17.8
6 10	18 51.43	-25 6.1	1.980	2.944	7.6	21.4	6 10	18 51.38	-24 29.9	0.988	1.965	11.4	17.5
6 20	18 42.58	-25 18.2	1.926	2.930	3.8	21.1	6 20	18 42.85	-24 32.9	0.954	1.961	5.7	17.2
6 30	18 32.62	-25 27.4	1.898	2.914	0.9	20.9	6 30	18 32.64	-24 32.7	0.942	1.958	0.9	16.9
7 10	18 22.57	-25 32.2	1.899	2.898	4.5	21.1	7 10	18 22.54	-24 27.9	0.952	1.957	6.6	17.3
7 20	18 13.45	-25 32.3	1.926	2.882	8.4	21.3	7 20	18 14.27	-24 18.8	0.984	1.956	12.3	17.6
7 30	18 6.15	-25 28.6	1.979	2.865	11.9	21.5	7 30	18 9.12	-24 7.3	1.036	1.956	17.3	17.8
<b>202218</b>	2004 <i>XX</i> <sub>128</sub>		6 29.2 225°42	0°7/29.1	18		<b>443330</b>	2014 <i>FD</i> <sub>67</sub>		6 29.2 1°02	3°6/30.4	18	
5 21	19 2.35	-23 50.4	2.307	3.114	13.1	21.2	5 21	18 55.50	-11 25.6	1.671	2.492	16.7	20.1
5 31	18 57.71	-24 11.7	2.207	3.104	10.4	21.0	5 31	18 52.88	-11 49.7	1.591	2.490	13.5	19.9
6 10	18 50.86	-24 35.3	2.130	3.094	7.2	20.8	6 10	18 47.83	-12 28.4	1.531	2.489	9.8	19.6
6 20	18 42.26	-24 59.2	2.078	3.082	3.6	20.6	6 20	18 40.86	-13 21.3	1.493	2.490	6.0	19.4
6 30	18 32.65	-25 20.9	2.055	3.071	0.8	20.3	6 30	18 32.81	-14 26.3	1.481	2.491	3.6	19.3
7 10	18 22.96	-25 38.8	2.059	3.059	4.3	20.6	7 10	18 24.76	-15 39.5	1.494	2.492	5.7	19.4
7 20	18 14.12	-25 51.9	2.091	3.046	7.9	20.8	7 20	18 17.75	-16 56.5	1.533	2.495	9.5	19.6
7 30	18 6.96	-26 0.8	2.148	3.033	11.2	21.0	7 30	18 12.70	-18 13.2	1.594	2.499	13.2	19.9
<b>347033</b>	2010 <i>EK</i> <sub>85</sub>		6 29.2 250°13	7°6/28.1	16		<b>162195</b>	1999 <i>RK</i> <sub>45</sub>		6 29.2 68°27	2°1/29.5	17	
5 21	19 6.52	-41 22.6	1.965	2.765	15.3	21.1	5 21	20 0.02	-15 14.2	1.011	1.761	29.5	21.7
5 31	19 1.95	-42 24.1	1.887	2.763	12.8	20.9	5 31	19 42.38	-16 4.2	0.992	1.853	22.8	21.6
6 10	18 54.26	-43 17.4	1.830	2.762	10.3	20.8	6 10	19 20.31	-17 3.5	0.993	1.939	15.3	21.5
6 20	18 44.06	-43 55.9	1.795	2.760	8.2	20.6	6 20	18 55.81	-18 3.1	1.021	2.019	7.6	21.3
6 30	18 32.50	-44 13.8	1.786	2.759	7.6	20.6	6 30	18 31.69	-18 55.3	1.080	2.095	2.1	21.2
7 10	18 21.02	-44 8.7	1.801	2.757	8.9	20.7	7 10	18 10.60	-19 36.7	1.171	2.167	7.4	21.8
7 20	18 11.03	-44 42.1	1.841	2.755	11.3	20.8	7 20	17 54.08	-20 8.8	1.290	2.233	12.8	22.3
7 30	18 3.65	-42 58.7	1.903	2.754	13.9	21.0	7 30	17 42.64	-20 34.7	1.432	2.296	16.9	22.7
<b>414143</b>	2007 <i>VR</i> <sub>273</sub>		6 29.2 186°56	2°7/29.6	17		<b>310681</b>	2002 <i>GY</i> <sub>26</sub>		6 29.2 76°76	7°7/27.8	16	
5 21	19 3.62	-16 19.2	1.780	2.592	16.2	22.6	5 21	19 6.63	-44 39.4	2.334	3.114	13.7	20.9
5 31	18 59.10	-16 10.7	1.696	2.592	13.0	22.4	5 31	19 1.54	-45 48.3	2.270	3.128	11.7	20.8
6 10	18 51.99	-16 9.4	1.632	2.591	9.2	22.1	6 10	18 53.68	-46 47.5	2.228	3.142	9.6	20.7
6 20	18 42.86	-16 15.1	1.591	2.591	5.2	21.9	6 20	18 43.68	-47 31.0	2.210	3.155	8.1	20.6
6 30	18 32.61	-16 27.0	1.577	2.589	2.7	21.7	6 30	18 32.58	-47 54.3	2.217	3.169	7.7	20.6
7 10	18 22.40	-16 43.8	1.589	2.587	5.5	21.9	7 10	18 21.67	-47 55.5	2.249	3.183	8.6	20.7
7 20	18 13.34	-17 4.3	1.627	2.584	9.6	22.1	7 20	18 12.15	-47 36.4	2.306	3.196	10.3	20.8
7 30	18 6.37	-17 27.5	1.689	2.581	13.3	22.4	7 30	18 4.95	-47 0.9	2.385	3.210	12.3	21.0
<b>438289</b>	2006 <i>AG</i> <sub>79</sub>		6 29.2 235°21	3°9/30.4	18		<b>290998</b>	2005 <i>XV</i> <sub>82</sub>		6 29.2 267°27	0°8/29.2	18	
5 21	18 56.82	- 8 32.5	2.721	3.499	12.0	21.3	5 21	18 59.45	-25 39.4	2.454	3.265	12.3	21.4
5 31	18 52.84	- 8 34.8	2.623	3.492	9.9	21.2	5 31	18 55.29	-25 43.7	2.353	3.252	9.7	21.2
6 10	18 47.23	- 8 46.7	2.547	3.485	7.5	21.0	6 10	18 49.12	-25 47.8	2.275	3.239	6.7	20.9
6 20	18 40.38	- 9 8.7	2.496	3.477	5.2	20.8	6 20	18 41.39	-25 50.4	2.223	3.226	3.4	20.7
6 30	18 32.82	- 9 40.5	2.473	3.470	3.9	20.7	6 30	18 32.79	-25 49.8	2.198	3.213	0.9	20.5
7 10	18 25.22	-10 21.0	2.478	3.462	5.0	20.8	7 10	18 24.17	-25 45.3	2.201	3.200	4.0	20.7
7 20	18 18.24	-11 8.2	2.510	3.453	7.4	20.9	7 20	18 16.35	-25 37.0	2.231	3.187	7.4	20.9
7 30	18 12.48	-12 0.1	2.568	3.445	9.9	21.1	7 30	18 10.10	-25 25.8	2.287	3.174	10.5	21.1
<b>234823</b>	2002 <i>RP</i> <sub>58</sub>		6 29.2 341°44	8°3/29.8	16		<b>22702</b>	1998 <i>RO</i> <sub>40</sub>		6 29.3 302°60	1°0/29.0	18	
5 21	18 51.53	- 8 40.2	1.312	2.152	19.4	19.3	5 21	18 58.46	-24 43.2	2.302	3.119	12.8	18.5
5 31	18 50.43	- 7 37.1	1.229	2.133	16.3	19.1	5 31	18 54.64	-25 7.0	2.211	3.113	10.1	18.3
6 10	18 46.55	- 6 46.3	1.164	2.116	12.9	18.8	6 10	18 48.74	-25 32.6	2.142	3.108	7.0	18.1
6 20	18 40.36	- 6 12.7	1.118	2.100	9.7	18.6	6 20	18 41.22	-25 58.0	2.098	3.102	3.5	17.9
6 30	18 32.81	- 6 0.4	1.093	2.086	8.3	18.5	6 30	18 32.80	-26 20.8	2.081	3.097	1.1	17.7
7 10	18 25.17	- 6 10.9	1.090	2.073	9.9	18.5	7 10	18 24.38	-26 39.3	2.092	3.092	4.2	17.9
7 20	18 18.71	- 6 42.7	1.108	2.062	13.3	18.7	7 20	18 16.80	-26 52.8	2.130	3.087	7.7	18.1
7 30	18 14.55	- 7 31.7	1.145	2.052	17.1	18.9	7 30	18 10.85	-27 1.6	2.193	3.081	10.8	18.3
<b>436270</b>	2010 <i>CX</i> <sub>92</sub>		6 29.2 273°29	3°9/28.7	17		<b>512571</b>	2016 <i>SD</i> <sub>31</sub>		6 29.3 190°44	1°9/29.9	18	
5 21	19 3.03	-31 59.3	1.902	2.721	15.0	21.1	5 21	18 58.53	-14 45.2	2.479	3.277	12.6	21.3
5 31	18 58.93	-32 30.7	1.812	2.712	12.1	20.9	5 31	18 54.38	-15 8.4	2.388	3.276	10.0	21.1
6 10	18 52.06	-32 59.5	1.743	2.703	8.7	20.7	6 10	18 48.40	-15 39.4	2.319	3.276	7.1	20.9
6 20	18 42.96	-33 21.2	1.698	2.694	5.4	20.4	6 20	18 41.00	-16 17.5	2.276	3.275	4.0	20.7
6 30	18 32.60	-33 31.9	1.679	2.685	3.9	20.3	6 30	18 32.82	-17 0.9	2.261	3.274	1.9	20.6
7 10	18 22.24	-33 29.6	1.686	2.676	6.2	20.5	7 10	18 24.63	-17 47.6	2.275	3.273	4.1	20.7
7 20	18 13.09	-33 14.7	1.718	2.667	9.8	20.6	7 20	18 17.16	-18 35.5	2.316	3.272	7.2	20.9
7 30	18 6.19	-32 50.0	1.774	2.658	13.2	20.8	7 30	18 11.09	-19 22.9	2.383	3.270	10.2	21.1
<b>133332</b>	2003 <i>SR</i> <sub>95</sub>		6 29.2 321°00	1°5/29.1	18		<b>523194</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>247150</b>	2000 <i>XP</i> <sub>25</sub>		6 29.3 227°59	2.8/29.0	18		<b>209031</b>	2003 <i>HS</i> <sub>19</sub>		6 29.3 299°07	0.1/29.3	18	
5 21	19 2.90	-33 0.3	2.782	3.578	11.4	20.7	5 21	18 55.17	-22 31.5	3.003	3.810	10.4	20.5
5 31	18 57.78	-33 6.4	2.682	3.568	9.1	20.5	5 31	18 51.53	-22 38.1	2.900	3.797	8.2	20.3
6 10	18 50.69	-33 8.1	2.605	3.558	6.6	20.3	6 10	18 46.34	-22 46.4	2.821	3.785	5.6	20.1
6 20	18 42.11	-33 3.1	2.554	3.548	4.0	20.2	6 20	18 39.97	-22 55.4	2.768	3.773	2.8	19.9
6 30	18 32.74	-32 49.5	2.531	3.537	2.8	20.1	6 30	18 32.95	-23 4.1	2.744	3.760	0.2	19.6
7 10	18 23.43	-32 26.9	2.537	3.526	4.5	20.2	7 10	18 25.90	-23 11.8	2.747	3.748	3.2	19.9
7 20	18 14.99	-31 56.2	2.571	3.515	7.2	20.3	7 20	18 19.45	-23 18.1	2.779	3.736	6.1	20.1
7 30	18 8.10	-31 19.6	2.631	3.503	9.8	20.5	7 30	18 14.16	-23 22.9	2.837	3.724	8.7	20.2
<b>98019</b>	2000 <i>QH</i> <sub>228</sub>		6 29.3 226°00	4.4/29.8	18		<b>462193</b>	2007 <i>UF</i> <sub>97</sub>		6 29.3 8°18	3.0/29.5	17	
5 21	19 2.33	-13 32.4	1.583	2.400	17.6	19.5	5 21	19 0.45	-18 10.0	1.273	2.117	19.6	20.6
5 31	18 58.44	-13 7.1	1.498	2.395	14.3	19.3	5 31	18 57.53	-17 40.2	1.202	2.118	15.7	20.4
6 10	18 51.76	-12 51.1	1.433	2.390	10.5	19.0	6 10	18 51.41	-17 16.5	1.149	2.118	11.1	20.1
6 20	18 42.85	-12 45.7	1.390	2.385	6.6	18.8	6 20	18 42.75	-16 59.7	1.117	2.119	6.1	19.8
6 30	18 32.68	-12 51.2	1.372	2.379	4.4	18.7	6 30	18 32.73	-16 50.0	1.108	2.121	3.1	19.7
7 10	18 22.49	-13 7.1	1.379	2.373	6.8	18.8	7 10	18 22.88	-16 47.1	1.123	2.123	6.7	19.9
7 20	18 13.52	-13 31.8	1.411	2.366	10.8	19.0	7 20	18 14.60	-16 50.7	1.160	2.126	11.6	20.2
7 30	18 6.80	-14 3.2	1.465	2.360	14.8	19.2	7 30	18 9.02	-16 59.8	1.218	2.129	16.0	20.4
<b>74026</b>	1998 <i>HL</i> <sub>8</sub>		6 29.3 356°90	4.8/28.3	18		<b>437936</b>	2002 <i>QH</i> <sub>40</sub>		6 29.3 304°18	1.4/29.2	18	
5 21	18 59.48	-28 32.3	1.200	2.057	19.7	18.9	5 21	19 0.86	-22 29.6	1.787	2.612	15.6	20.8
5 31	18 57.53	-29 41.6	1.131	2.054	15.8	18.6	5 31	18 57.20	-21 50.2	1.683	2.590	12.5	20.5
6 10	18 51.90	-30 54.4	1.079	2.052	11.3	18.3	6 10	18 50.90	-21 9.5	1.600	2.567	8.7	20.3
6 20	18 43.18	-32 3.6	1.049	2.050	6.7	18.1	6 20	18 42.46	-20 27.4	1.541	2.545	4.5	20.0
6 30	18 32.64	-33 1.0	1.041	2.050	4.9	18.0	6 30	18 32.75	-19 44.6	1.507	2.523	1.4	19.7
7 10	18 22.11	-33 40.7	1.055	2.050	8.2	18.1	7 10	18 22.95	-19 2.3	1.500	2.501	5.3	19.9
7 20	18 13.35	-34 1.3	1.092	2.051	12.9	18.4	7 20	18 14.22	-18 22.4	1.519	2.479	9.8	20.1
7 30	18 7.77	-34 5.4	1.148	2.053	17.2	18.7	7 30	18 7.58	-17 47.0	1.560	2.458	13.9	20.3
<b>312758</b>	2010 <i>TG</i> <sub>116</sub>		6 29.3 278°64	1.4/29.0	18		<b>7391</b>	Strouhal		6 29.3 180°69	2.3/28.9	18	
5 21	18 59.17	-26 21.2	2.346	3.161	12.7	20.8	5 21	19 4.59	-29 10.8	2.389	3.191	12.8	19.5
5 31	18 55.19	-26 38.5	2.251	3.152	10.0	20.6	5 31	18 59.38	-29 36.2	2.300	3.193	10.2	19.3
6 10	18 49.12	-26 56.2	2.178	3.142	7.0	20.4	6 10	18 51.95	-30 0.3	2.234	3.193	7.2	19.1
6 20	18 41.42	-27 12.1	2.130	3.133	3.6	20.2	6 20	18 42.80	-30 20.2	2.194	3.194	4.0	18.9
6 30	18 32.80	-27 24.2	2.109	3.123	1.4	20.0	6 30	18 32.74	-30 33.0	2.182	3.193	2.4	18.8
7 10	18 24.17	-27 31.1	2.116	3.114	4.3	20.2	7 10	18 22.74	-30 37.3	2.199	3.192	4.7	18.9
7 20	18 16.39	-27 32.5	2.150	3.105	7.7	20.4	7 20	18 13.71	-30 33.4	2.243	3.190	7.9	19.1
7 30	18 10.23	-27 29.2	2.208	3.095	10.8	20.6	7 30	18 6.46	-30 22.7	2.312	3.188	10.8	19.3
<b>355153</b>	2006 <i>VV</i> <sub>43</sub>		6 29.3 190°06	0.2/29.3	18		<b>71394</b>	2000 <i>AX</i> <sub>163</sub>		6 29.3 268°81	1.1/29.4	18	
5 21	18 59.84	-22 33.1	2.717	3.519	11.5	22.1	5 21	19 0.36	-19 47.4	2.055	2.869	14.2	19.7
5 31	18 55.24	-22 32.8	2.624	3.518	9.0	21.9	5 31	18 56.43	-19 46.0	1.953	2.852	11.4	19.4
6 10	18 48.88	-22 33.9	2.554	3.516	6.2	21.7	6 10	18 50.17	-19 48.8	1.872	2.835	7.9	19.2
6 20	18 41.20	-22 35.3	2.511	3.514	3.1	21.5	6 20	18 42.04	-19 55.0	1.815	2.818	4.1	18.9
6 30	18 32.83	-22 36.1	2.496	3.512	0.3	21.3	6 30	18 32.80	-20 3.5	1.785	2.800	1.2	18.7
7 10	18 24.50	-22 35.6	2.510	3.510	3.5	21.6	7 10	18 23.45	-20 13.1	1.782	2.783	4.6	18.9
7 20	18 16.92	-22 33.8	2.552	3.507	6.7	21.8	7 20	18 14.96	-20 23.1	1.806	2.765	8.6	19.1
7 30	18 10.73	-22 31.1	2.619	3.503	9.5	21.9	7 30	18 8.26	-20 33.5	1.854	2.746	12.3	19.3
<b>229660</b>	2006 <i>HB</i> <sub>110</sub>		6 29.3 102°17	11°0/26.7	18		<b>432413</b>	2010 <i>AU</i> <sub>26</sub>		6 29.3 85°09	3.5/29.3	17	
5 21	19 19.00	-52 16.6	2.191	2.934	15.6	20.7	5 21	19 8.32	-33 34.6	1.906	2.715	15.4	20.4
5 31	19 12.46	-54 12.4	2.143	2.956	13.8	20.6	5 31	19 2.57	-33 35.9	1.843	2.736	12.3	20.2
6 10	19 1.92	-55 53.8	2.115	2.978	12.2	20.5	6 10	18 54.14	-33 30.6	1.800	2.757	8.8	20.1
6 20	18 48.03	-57 11.6	2.110	2.999	11.2	20.5	6 20	18 43.81	-33 15.5	1.782	2.777	5.3	19.9
6 30	18 32.25	-57 58.5	2.129	3.020	11.1	20.5	6 30	18 32.69	-32 48.4	1.790	2.797	3.5	19.8
7 10	18 16.60	-58 12.2	2.170	3.040	11.8	20.6	7 10	18 22.05	-32 10.0	1.826	2.817	5.7	20.0
7 20	18 2.98	-57 55.3	2.234	3.059	13.0	20.7	7 20	18 12.97	-31 22.9	1.888	2.837	9.0	20.2
7 30	17 52.85	-57 14.6	2.318	3.078	14.5	20.9	7 30	18 6.25	-30 31.1	1.974	2.857	12.1	20.5
<b>302279</b>	2001 <i>XT</i> <sub>223</sub>		6 29.3 97°51	4.7/28.3	18		<b>511627</b>	2015 <i>BL</i> <sub>100</sub>		6 29.3 19°24	5.7/29.5	17	
5 21	19 6.41	-29 30.5	1.410	2.245	18.5	20.5	5 21	19 4.77	-36 27.8	1.386	2.221	18.8	20.8
5 31	19 2.42	-30 40.3	1.342	2.252	14.8	20.2	5 31	19 1.14	-36 38.2	1.320	2.225	15.3	20.6
6 10	18 54.91	-31 51.6	1.293	2.259	10.6	20.0	6 10	18 53.91	-36 38.6	1.271	2.231	11.3	20.4
6 20	18 44.52	-32 57.1	1.267	2.265	6.4	19.8	6 20	18 43.94	-36 23.4	1.244	2.237	7.5	20.2
6 30	18 32.55	-33 49.4	1.265	2.272	4.8	19.7	6 30	18 32.68	-35 48.9	1.240	2.243	5.7	20.1
7 10	18 20.68	-34 23.7	1.288	2.279	7.7	19.9	7 10	18 21.87	-34 55.7	1.261	2.251	7.9	20.2
7 20	18 10.55	-34 39.6	1.335	2.285	11.8	20.1	7 20	18 13.04	-33 48.3	1.304	2.259	11.7	20.5
7 30	18 3.41	-34 40.2	1.403	2.292	15.7	20.4	7 30	18 7.29	-32 33.3	1.370	2.268	15.4	20.7
<b>283659</b>	2002 <i>OE</i> <sub>31</sub>		6 29.3 257°39	0.9/29.4	18		<b>145027</b>	2005 <i>ET</i> <sub>266</sub>		6 29.3 268°66	2.4/29.0	17	
5 21	18 59.92	-19 11.5	2.001	2.817	14.5	21.4	5 21	19 3.84	-27 39.3	1.566	2.398	17.1	20.9
5 31	18 56.05	-19 29.6	1.911	2.812	11.5	21.2	5 31	19 0.09	-27 59.8	1.479	2.388	13.7	20.6
6 10	18 49.86	-19 53.9	1.842	2.806	8.0	20.9	6 10	18 53.18	-28 20.5	1.411	2.378	9.6	20.4
6 20	18 41.84	-20 22.8	1.797	2.801	4.1	20.7	6 20	18 43.69	-28 37.5	1.365	2.369	5.2	20.1
6 30	18 32.78	-20 54.4	1.779	2.795	0.9	20.4	6 30	18 32.69	-28 46.9	1.345	2.359	2.4	19.9
7 10	18 23.68	-21 26.3	1.789	2.790	4.5	20.7	7 10	18 21.64	-28 46.5	1.350	2.349	6.1	20.1
7 20	18 15.52	-21 57.0	1.824	2.784	8.5	20.9	7 20	18 11.99	-28 36.7	1.379	2.338	10.7	20.3
7 30	18 9.19	-22 25.6	1.884	2.778	12.1	21.1	7 30	18 4.92	-28 19.7	1.431	2.328	14.9	20.5
<b>446596</b>	2015 <i>LX</i> <sub>39</sub>		6 29.3 6°00	5.3/29.4	16		<b>166406</b>	2002 <					



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6 29.3

6 29.3

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>22529</b>	1998 <i>FB</i> <sub>40</sub>		6 29.3 352°25	5°8/30.2	18		<b>350275</b>	2012 <i>TD</i> <sub>219</sub>		6 29.3 221°88	4°1/29.8	18	
5 21	18 56.59	- 8 1.7	1.999	2.797	15.2	18.9	5 21	18 59.88	-10 46.3	2.622	3.403	12.4	21.7
5 31	18 53.23	- 7 30.5	1.917	2.795	12.6	18.7	5 31	18 55.35	-10 19.1	2.521	3.393	10.2	21.5
6 10	18 47.81	- 7 10.4	1.854	2.793	9.7	18.5	6 10	18 49.05	- 9 58.8	2.441	3.381	7.6	21.3
6 20	18 40.80	- 7 3.5	1.814	2.792	7.1	18.3	6 20	18 41.40	- 9 46.3	2.387	3.369	5.2	21.2
6 30	18 32.94	- 7 10.7	1.800	2.791	5.8	18.3	6 30	18 32.98	- 9 42.3	2.360	3.357	4.1	21.1
7 10	18 25.12	- 7 31.6	1.811	2.790	7.0	18.3	7 10	18 24.52	- 9 47.0	2.362	3.344	5.3	21.1
7 20	18 18.19	- 8 4.5	1.847	2.790	9.6	18.5	7 20	18 16.73	- 9 59.7	2.391	3.330	7.9	21.3
7 30	18 12.90	- 8 46.7	1.907	2.790	12.5	18.7	7 30	18 10.25	-10 19.2	2.445	3.316	10.5	21.4
<b>80728</b>	2000 <i>CB</i> <sub>28</sub>		6 29.3 269°32	1°6/29.5	18		<b>185728</b>	1998 <i>UZ</i> <sub>3</sub>		6 29.3 266°43	2°6/28.9	18	
5 21	19 2.63	-18 53.7	1.780	2.598	15.9	19.7	5 21	19 3.78	-28 12.4	1.693	2.519	16.3	20.7
5 31	18 58.72	-18 50.4	1.674	2.575	12.8	19.4	5 31	18 59.88	-28 36.2	1.600	2.507	13.0	20.5
6 10	18 52.08	-18 52.8	1.587	2.551	9.1	19.1	6 10	18 52.98	-29 0.1	1.528	2.494	9.2	20.2
6 20	18 43.14	-19 0.1	1.524	2.527	4.8	18.8	6 20	18 43.62	-29 20.1	1.479	2.481	5.0	19.9
6 30	18 32.74	-19 11.1	1.488	2.503	1.7	18.6	6 30	18 32.80	-29 32.3	1.456	2.469	2.6	19.8
7 10	18 22.06	-19 24.4	1.477	2.478	5.4	18.8	7 10	18 21.88	-29 34.5	1.458	2.456	6.0	19.9
7 20	18 12.34	-19 39.2	1.492	2.452	10.0	19.0	7 20	18 12.23	-29 26.6	1.486	2.442	10.3	20.2
7 30	18 4.69	-19 54.9	1.531	2.426	14.3	19.2	7 30	18 5.01	-29 10.9	1.536	2.429	14.3	20.4
<b>159475</b>	2000 <i>RU</i> <sub>67</sub>		6 29.3 241°18	6°7/30.0	18		<b>442007</b>	2010 <i>OS</i> <sub>38</sub>		6 29.3 275°05	5°8/28.4	18	
5 21	18 59.80	- 5 35.3	2.129	2.907	15.0	20.3	5 21	19 3.74	-39 48.1	2.410	3.204	13.0	21.7
5 31	18 55.71	- 4 52.2	2.032	2.894	12.6	20.1	5 31	18 59.16	-40 27.9	2.316	3.191	10.8	21.5
6 10	18 49.52	- 4 20.0	1.956	2.882	10.1	19.9	6 10	18 52.08	-41 1.1	2.243	3.179	8.5	21.3
6 20	18 41.68	- 4 1.5	1.903	2.868	7.8	19.7	6 20	18 43.02	-41 22.9	2.195	3.167	6.5	21.2
6 30	18 32.87	- 3 58.7	1.875	2.855	6.7	19.6	6 30	18 32.85	-41 29.4	2.173	3.154	5.8	21.1
7 10	18 23.99	- 4 11.8	1.873	2.841	7.8	19.7	7 10	18 22.68	-41 18.8	2.177	3.142	7.1	21.2
7 20	18 15.90	- 4 39.9	1.897	2.826	10.2	19.8	7 20	18 13.59	-40 52.2	2.208	3.129	9.3	21.3
7 30	18 9.40	- 5 20.3	1.945	2.811	13.0	20.0	7 30	18 6.49	-40 12.6	2.261	3.117	11.8	21.5
<b>506455</b>	2001 <i>XZ</i> <sub>53</sub>		6 29.3 233°55	3°1/29.8	18		<b>438282</b>	2005 <i>YR</i> <sub>209</sub>		6 29.3 244°12	0°5/29.3	17	
5 21	19 1.55	-14 20.8	2.115	2.915	14.3	22.3	5 21	19 1.87	-26 19.6	2.880	3.678	11.0	21.6
5 31	18 57.19	-14 12.7	2.015	2.903	11.6	22.0	5 31	18 56.86	-26 4.8	2.770	3.661	8.7	21.4
6 10	18 50.60	-14 12.0	1.936	2.891	8.4	21.8	6 10	18 50.05	-25 48.2	2.684	3.645	6.0	21.2
6 20	18 42.24	-14 18.9	1.882	2.877	5.0	21.6	6 20	18 41.87	-25 28.6	2.625	3.628	3.0	21.0
6 30	18 32.83	-14 33.3	1.855	2.864	3.1	21.4	6 30	18 32.95	-25 5.5	2.594	3.610	0.6	20.8
7 10	18 23.33	-14 53.9	1.855	2.850	5.2	21.5	7 10	18 24.03	-24 38.8	2.593	3.592	3.5	21.0
7 20	18 14.66	-15 19.6	1.882	2.835	8.8	21.7	7 20	18 15.83	-24 9.5	2.621	3.574	6.6	21.2
7 30	18 7.69	-15 49.0	1.933	2.820	12.2	21.9	7 30	18 9.01	-23 38.8	2.675	3.555	9.4	21.3
<b>395243</b>	2010 <i>NC</i> <sub>74</sub>		6 29.3 293°03	2°0/28.7	18		<b>507010</b>	2008 <i>TT</i> <sub>162</sub>		6 29.3 198°13	6°3/30.3	18	
5 21	18 59.70	-25 48.1	2.215	3.032	13.3	21.0	5 21	18 59.96	- 3 28.5	2.595	3.350	13.1	23.0
5 31	18 55.95	-26 38.1	2.113	3.015	10.5	20.8	5 31	18 55.35	- 2 49.7	2.502	3.346	11.1	22.8
6 10	18 49.90	-27 31.6	2.034	2.998	7.4	20.6	6 10	18 49.02	- 2 21.5	2.431	3.342	9.0	22.7
6 20	18 41.96	-28 25.5	1.979	2.982	4.0	20.3	6 20	18 41.37	- 2 6.0	2.383	3.337	7.1	22.5
6 30	18 32.86	-29 15.8	1.952	2.965	2.1	20.2	6 30	18 33.00	- 2 4.7	2.363	3.331	6.3	22.5
7 10	18 23.56	-29 59.3	1.953	2.949	4.9	20.3	7 10	18 24.62	- 2 17.6	2.369	3.325	7.1	22.5
7 20	18 15.06	-30 34.1	1.980	2.932	8.5	20.5	7 20	18 16.93	- 2 43.8	2.402	3.318	8.9	22.6
7 30	18 8.28	-31 0.2	2.032	2.916	11.8	20.7	7 30	18 10.56	- 3 21.0	2.459	3.310	11.1	22.7
<b>410195</b>	2007 <i>RT</i> <sub>147</sub>		6 29.3 209°65	0°1/29.3	15	CR	<b>468869</b>	2013 <i>QJ</i> <sub>49</sub>		6 29.3 95°31	3°5/29.5	17	
5 21	19 6.92	-22 0.3	2.542	3.332	12.5	23.8	5 21	19 2.68	-16 28.3	1.593	2.414	17.3	21.7
5 31	19 1.08	-22 14.5	2.435	3.322	9.9	23.6	5 31	18 58.55	-15 51.9	1.520	2.421	13.9	21.5
6 10	18 53.11	-22 31.3	2.352	3.311	6.9	23.4	6 10	18 51.71	-15 21.5	1.466	2.427	9.9	21.3
6 20	18 43.44	-22 49.0	2.296	3.299	3.4	23.1	6 20	18 42.82	-14 58.0	1.436	2.434	5.8	21.1
6 30	18 32.79	-23 5.7	2.269	3.285	0.3	22.8	6 30	18 32.89	-14 42.2	1.430	2.440	3.5	21.0
7 10	18 22.03	-23 19.9	2.272	3.271	4.0	23.1	7 10	18 23.16	-14 34.3	1.450	2.446	6.2	21.1
7 20	18 12.07	-23 31.0	2.304	3.255	7.5	23.3	7 20	18 14.76	-14 33.9	1.495	2.453	10.2	21.4
7 30	18 3.69	-23 39.2	2.362	3.237	10.7	23.5	7 30	18 8.61	-14 40.4	1.563	2.459	14.0	21.6
<b>185450</b>	2006 <i>YG</i> <sub>30</sub>		6 29.3 12°73	0°5/29.2	18		<b>326331</b>	2000 <i>EA</i> <sub>99</sub>		6 29.3 65°28	4°9/30.1	18	
5 21	18 58.96	-22 5.5	2.185	3.001	13.4	20.2	5 21	19 0.49	-11 47.5	1.579	2.396	17.7	20.4
5 31	18 55.12	-22 39.4	2.100	3.002	10.6	20.0	5 31	18 56.86	-11 24.7	1.505	2.400	14.4	20.2
6 10	18 49.14	-23 17.7	2.037	3.003	7.3	19.8	6 10	18 50.60	-11 13.2	1.451	2.405	10.7	20.0
6 20	18 41.50	-23 58.1	1.999	3.003	3.6	19.5	6 20	18 42.30	-11 14.4	1.419	2.410	6.9	19.8
6 30	18 32.94	-24 37.7	1.988	3.004	0.6	19.3	6 30	18 32.93	-11 28.6	1.411	2.416	4.9	19.7
7 10	18 24.38	-25 14.3	2.005	3.005	4.2	19.6	7 10	18 23.68	-11 54.4	1.429	2.421	6.9	19.8
7 20	18 16.72	-25 46.1	2.049	3.006	7.8	19.8	7 20	18 15.67	-12 29.6	1.471	2.426	10.5	20.0
7 30	18 10.73	-26 12.9	2.117	3.008	11.1	20.0	7 30	18 9.83	-13 11.4	1.535	2.431	14.2	20.3
<b>84833</b>	2003 <i>AF</i> <sub>9</sub>		6 29.3 308°83	8°7/30.5	18		<b>24197</b>	1999 <i>XP</i> <sub>37</sub>		6 29.3 134°02	3°4/29.7	18	
5 21	19 14.52	-44 26.1	1.441	2.246	19.6	18.0	5 21	19 0.73	-14 24.1	2.143	2.944	14.2	18.9
5 31	19 9.87	-44 22.6	1.337	2.217	16.9	17.8	5 31	18 56.28	-13 54.7	2.063	2.951	11.4	18.7
6 10	19 0.67	-44 0.0	1.251	2.187	13.6	17.5	6 10	18 49.78	-13 31.5	2.005	2.958	8.2	18.5
6 20	18 47.65	-43 8.5	1.184	2.159	10.4	17.2	6 20	18 41.77	-13 15.1	1.971	2.964	5.1	18.4
6 30	18 32.46	-41 40.4	1.141	2.130	8.7	17.0	6 30	18 32.98	-13 6.0	1.964	2.971	3.4	18.3
7 10	18 17.42	-39 35.1	1.123	2.102	10.2	17.0	7 10	18 24.32	-13 4.3	1.985	2.977	5.3	18.4
7 20	18 4.73	-37 0.7	1.129	2.074	14.0	17.1	7 20	18 16.62	-13 9.2	2.032	2.983	8.4	18.6
7 30	17 55.95	-34 11.2	1.157	2.047	18.2	17.3	7 30	18 10.58	-13 20.1	2.104	2.988	11.4	18.8
<b>146078</b>	2000 <i>GT</i> <sub>169</sub>		6 29.3 181°69	0°3/29.3	18		<b>599</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>515244</b>	2012 <i>CY</i> <sub>22</sub>		6 29.3 232°67	4°1/30.1	18		<b>248447</b>	2005 <i>TL</i> <sub>104</sub>		6 29.3 301°68	8°2/27.8	18	
5 21	18 56.65	-9 23.0	2.726	3.507	11.9	21.9	5 21	19 5.94	-44 57.0	2.204	2.989	14.3	20.2
5 31	18 52.74	-9 7.1	2.629	3.500	9.8	21.8	5 31	19 1.46	-45 59.5	2.122	2.982	12.3	20.0
6 10	18 47.23	-8 59.3	2.555	3.493	7.4	21.6	6 10	18 53.98	-46 52.6	2.060	2.975	10.2	19.9
6 20	18 40.49	-9 0.4	2.505	3.486	5.2	21.4	6 20	18 44.09	-47 29.9	2.021	2.968	8.6	19.8
6 30	18 33.08	-9 10.9	2.483	3.478	4.1	21.4	6 30	18 32.84	-47 45.9	2.006	2.961	8.2	19.7
7 10	18 25.66	-9 30.1	2.488	3.470	5.1	21.4	7 10	18 21.63	-47 38.5	2.016	2.954	9.2	19.8
7 20	18 18.85	-9 56.9	2.521	3.462	7.4	21.5	7 20	18 11.78	-47 8.9	2.050	2.947	11.2	19.9
7 30	18 13.26	-10 30.0	2.579	3.454	9.9	21.7	7 30	18 4.40	-46 21.3	2.107	2.941	13.4	20.0
<b>380100</b>	2013 <i>TP</i> <sub>10</sub>		6 29.3 317°59	1°6/29.2	17		<b>359530</b>	2010 <i>RD</i> <sub>107</sub>		6 29.3 284°23	4°9/28.4	18	
5 21	18 58.76	-25 57.5	1.314	2.166	18.6	20.7	5 21	19 2.10	-36 16.0	2.332	3.136	13.0	20.7
5 31	18 56.75	-26 7.4	1.222	2.144	15.0	20.4	5 31	18 57.83	-36 59.5	2.244	3.130	10.7	20.5
6 10	18 51.34	-26 18.6	1.149	2.123	10.5	20.1	6 10	18 51.16	-37 38.5	2.178	3.125	8.1	20.3
6 20	18 43.02	-26 28.2	1.097	2.103	5.4	19.8	6 20	18 42.59	-38 8.6	2.136	3.119	5.7	20.2
6 30	18 32.87	-26 32.5	1.067	2.083	1.7	19.4	6 30	18 32.98	-38 26.0	2.121	3.113	4.9	20.1
7 10	18 22.49	-26 29.3	1.061	2.064	6.5	19.7	7 10	18 23.37	-38 28.7	2.133	3.107	6.4	20.2
7 20	18 13.52	-26 18.8	1.078	2.046	11.9	19.9	7 20	18 14.79	-38 17.3	2.170	3.102	9.0	20.3
7 30	18 7.40	-26 2.9	1.114	2.029	16.9	20.2	7 30	18 8.13	-37 54.1	2.231	3.096	11.6	20.5
<b>340496</b>	2006 <i>HG</i> <sub>101</sub>		6 29.3 305°44	0°8/29.1	16		<b>522492</b>	2016 <i>EZ</i> <sub>230</sub>		6 29.3 70°23	1°0/29.3	17	
5 21	19 0.01	-22 54.8	1.817	2.643	15.3	20.8	5 21	19 5.56	-26 29.9	1.398	2.234	18.6	21.3
5 31	18 56.53	-23 26.5	1.728	2.635	12.2	20.5	5 31	19 1.42	-26 18.1	1.328	2.240	14.7	21.1
6 10	18 50.47	-24 3.2	1.659	2.627	8.4	20.3	6 10	18 54.00	-26 4.7	1.277	2.247	10.2	20.8
6 20	18 42.32	-24 41.9	1.614	2.619	4.2	20.0	6 20	18 44.06	-25 47.4	1.248	2.254	5.1	20.6
6 30	18 32.94	-25 19.4	1.595	2.612	0.9	19.7	6 30	18 32.87	-25 24.4	1.244	2.260	1.1	20.3
7 10	18 23.48	-25 52.8	1.603	2.604	5.0	20.0	7 10	18 22.01	-24 55.9	1.265	2.267	5.8	20.6
7 20	18 15.07	-26 20.3	1.636	2.597	9.3	20.3	7 20	18 12.87	-24 24.0	1.310	2.274	10.7	20.9
7 30	18 8.72	-26 41.9	1.693	2.590	13.1	20.5	7 30	18 6.51	-23 51.6	1.377	2.281	15.0	21.2
<b>307194</b>	2002 <i>ES</i> <sub>147</sub>		6 29.3 49°07	4°1/29.9	17		<b>183363</b>	2002 <i>WC</i> <sub>13</sub>		6 29.3 307°53	0°5/29.3	18	
5 21	19 1.05	-14 6.4	1.290	2.126	19.8	20.0	5 21	19 0.33	-22 35.3	1.442	2.283	17.9	20.2
5 31	18 57.83	-13 53.1	1.228	2.136	16.0	19.8	5 31	18 57.49	-22 26.7	1.353	2.268	14.3	19.9
6 10	18 51.52	-13 51.8	1.182	2.146	11.5	19.5	6 10	18 51.54	-22 20.8	1.282	2.253	10.0	19.6
6 20	18 42.82	-14 3.1	1.158	2.157	6.9	19.3	6 20	18 43.01	-22 16.0	1.232	2.238	5.0	19.3
6 30	18 32.91	-14 26.1	1.157	2.167	4.1	19.2	6 30	18 32.94	-22 11.1	1.207	2.224	0.6	19.0
7 10	18 23.24	-14 58.5	1.180	2.179	6.8	19.4	7 10	18 22.77	-22 4.9	1.206	2.209	5.8	19.3
7 20	18 15.13	-15 37.4	1.226	2.190	11.3	19.6	7 20	18 13.91	-21 57.6	1.229	2.196	11.0	19.5
7 30	18 9.62	-16 19.9	1.294	2.202	15.5	19.9	7 30	18 7.60	-21 50.4	1.273	2.182	15.6	19.8
<b>503612</b>	2016 <i>GF</i> <sub>111</sub>		6 29.3 42°11	0°2/29.3	17		<b>507831</b>	2014 <i>EM</i> <sub>31</sub>		6 29.3 59°20	5°2/30.5	17	
5 21	19 1.78	-22 16.8	1.270	2.117	19.4	20.8	5 21	18 58.00	-8 15.5	2.018	2.812	15.1	21.1
5 31	18 58.62	-22 34.0	1.209	2.128	15.4	20.6	5 31	18 54.24	-7 58.8	1.946	2.824	12.4	20.9
6 10	18 52.17	-22 56.5	1.166	2.139	10.5	20.4	6 10	18 48.46	-7 54.0	1.894	2.835	9.5	20.8
6 20	18 43.17	-23 21.3	1.145	2.151	5.2	20.1	6 20	18 41.16	-8 2.2	1.866	2.846	6.7	20.6
6 30	18 32.89	-23 45.1	1.147	2.164	0.5	19.8	6 30	18 33.10	-8 23.6	1.863	2.858	5.2	20.6
7 10	18 22.90	-24 5.0	1.174	2.177	5.9	20.2	7 10	18 25.17	-8 56.7	1.886	2.869	6.4	20.7
7 20	18 14.63	-24 20.2	1.223	2.190	10.9	20.5	7 20	18 18.20	-9 39.4	1.936	2.881	9.0	20.8
7 30	18 9.15	-24 31.1	1.294	2.204	15.3	20.8	7 30	18 12.87	-10 28.8	2.009	2.893	11.9	21.0
<b>478615</b>	2012 <i>TP</i> <sub>157</sub>		6 29.3 334°07	0°4/29.3	16		<b>478857</b>	2012 <i>VT</i> <sub>73</sub>		6 29.3 318°93	4°6/27.6	18	
5 21	18 58.62	-23 22.8	1.537	2.377	17.0	21.3	5 21	19 0.46	-27 0.3	1.561	2.398	16.9	20.1
5 31	18 55.86	-23 30.2	1.453	2.368	13.5	21.1	5 31	18 57.88	-28 37.6	1.464	2.377	13.6	19.8
6 10	18 50.22	-23 40.6	1.388	2.359	9.4	20.8	6 10	18 52.11	-30 24.5	1.389	2.356	9.8	19.5
6 20	18 42.25	-23 52.0	1.345	2.351	4.7	20.5	6 20	18 43.49	-32 14.2	1.336	2.336	6.0	19.2
6 30	18 32.95	-24 2.2	1.327	2.343	0.5	20.2	6 30	18 32.90	-33 57.9	1.309	2.316	4.7	19.1
7 10	18 23.64	-24 9.3	1.333	2.336	5.4	20.5	7 10	18 21.77	-35 27.3	1.308	2.296	7.9	19.2
7 20	18 15.60	-24 12.9	1.364	2.330	10.2	20.8	7 20	18 11.69	-36 37.6	1.331	2.278	12.1	19.4
7 30	18 9.91	-24 13.6	1.417	2.324	14.4	21.0	7 30	18 4.15	-37 27.8	1.375	2.260	16.2	19.6
<b>153381</b>	2001 <i>QU</i> <sub>24</sub>		6 29.3 240°03	0°1/29.3	18		<b>478112</b>	2011 <i>US</i> <sub>82</sub>		6 29.3 229°48	6°2/27.5	18	
5 21	19 3.38	-22 2.6	2.068	2.878	14.3	20.3	5 21	19 5.54	-40 45.5	2.633	3.417	12.3	21.5
5 31	18 58.90	-22 19.2	1.966	2.864	11.4	20.1	5 31	19 0.55	-41 52.4	2.541	3.408	10.3	21.3
6 10	18 51.96	-22 39.8	1.885	2.849	7.9	19.8	6 10	18 53.08	-42 54.0	2.472	3.398	8.2	21.2
6 20	18 43.03	-23 2.2	1.829	2.833	3.9	19.5	6 20	18 43.60	-43 44.9	2.428	3.388	6.6	21.1
6 30	18 32.90	-23 24.4	1.800	2.817	0.3	19.2	6 30	18 32.93	-44 20.4	2.410	3.378	6.2	21.0
7 10	18 22.62	-23 44.1	1.799	2.800	4.6	19.5	7 10	18 22.12	-44 38.1	2.419	3.368	7.4	21.1
7 20	18 13.25	-24 0.5	1.826	2.783	8.7	19.7	7 20	18 12.25	-44 37.9	2.455	3.357	9.3	21.2
7 30	18 5.74	-24 13.6	1.876	2.765	12.4	19.9	7 30	18 4.28	-44 22.2	2.513	3.346	11.5	21.3
<b>520065</b>	2013 <i>WB</i> <sub>112</sub>		6 29.3 72°59	2°0/29.5	17		<b>9454</b>	1998 <i>FX</i> <sub>54</sub>		6 29.3 301°77	0°2/29.3	18	
5 21	19 2.17	-19 14.0	1.791	2.610	15.8	21.3	5 21	18 59.23	-22 56.7	2.128	2.946	13.7	18.3
5 31	18 57.76	-18 48.8	1.724	2.625	12.5	21.1	5 31	18 55.43	-23 5.3	2.038	2.941	10.8	18.1
6 10	18 50.95	-18 27.4	1.677	2.640	8.7	20.9	6 10	18 49.43	-23 16.4	1.970	2.936	7.5	17.9
6 20	18 42.37	-18 9.8	1.654	2.656	4.7	20.7	6 20	18 41.73	-23 28.3	1.926	2.931	3.7	17.6
6 30	18 32.97	-17 55.9	1.657	2.671	2.0	20.6	6 30	18 33.09	-23 39.2	1.910	2.926	0.3	17.3
7 10	18 23.85	-17 45.7	1.687	2.686	5.0	20.8	7 10	18 24.47	-23 48.0	1.920	2.921	4.3	17.6
7 20	18 15.97	-17 39.3	1.742	2.701	8.9	21.1	7 20	18 16.77	-23 54.2	1.957	2.917	8.0	17.8
7 30	18 10.14	-17 36.5	1.822	2.716	12.4	21.3	7 30	18 10.80	-23 58.0	2.019	2.912	11.4	18.0
<b>187513</b>	2006 <i>TG</i> <sub>91</sub>		6 29.3 263°99	0°7/29.2	18		<b>509436</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>314052</b>	2005 <i>AW</i> <sub>24</sub>		6 29.3 189°67	0°5/29.4	17		<b>129887</b>	1999 <i>TT</i> <sub>17</sub>		6 29.3 137°45	1°4/29.1	18	
5 21	19 5.14	-20 23.4	1.816	2.630	15.8	21.6	5 21	19 3.04	-26 5.6	2.039	2.854	14.3	20.4
5 31	19 0.46	-20 39.1	1.730	2.629	12.6	21.3	5 31	18 58.50	-26 24.2	1.959	2.860	11.3	20.2
6 10	18 53.11	-21 0.2	1.664	2.628	8.7	21.1	6 10	18 51.57	-26 43.5	1.901	2.865	7.8	20.0
6 20	18 43.64	-21 24.8	1.622	2.626	4.4	20.8	6 20	18 42.81	-27 0.7	1.867	2.870	4.0	19.8
6 30	18 32.96	-21 50.5	1.607	2.624	0.6	20.5	6 30	18 33.10	-27 13.2	1.860	2.875	1.5	19.6
7 10	18 22.29	-22 15.0	1.620	2.621	4.9	20.9	7 10	18 23.50	-27 19.7	1.881	2.880	4.7	19.9
7 20	18 12.76	-22 37.0	1.658	2.617	9.3	21.1	7 20	18 15.01	-27 20.1	1.929	2.885	8.4	20.1
7 30	18 5.37	-22 56.2	1.721	2.613	13.1	21.3	7 30	18 8.48	-27 15.5	2.001	2.889	11.7	20.3
<b>127178</b>	2002 <i>GN</i> <sub>160</sub>		6 29.3 200°62	3°9/30.2	18		<b>237080</b>	2008 <i>SL</i> <sub>287</sub>		6 29.3 209°37	7°1/30.5	18	
5 21	18 57.41	-9 56.6	2.698	3.480	12.0	20.5	5 21	18 59.36	-3 57.6	2.103	2.876	15.3	20.8
5 31	18 53.35	-9 43.4	2.605	3.477	9.9	20.3	5 31	18 55.36	-3 16.8	2.017	2.873	12.9	20.6
6 10	18 47.67	-9 38.2	2.535	3.475	7.4	20.2	6 10	18 49.32	-2 48.6	1.950	2.870	10.4	20.4
6 20	18 40.76	-9 41.7	2.489	3.472	5.1	20.0	6 20	18 41.69	-2 35.9	1.906	2.866	8.2	20.3
6 30	18 33.19	-9 54.1	2.471	3.468	3.9	19.9	6 30	18 33.19	-2 40.3	1.888	2.862	7.2	20.2
7 10	18 25.62	-10 14.8	2.481	3.465	5.0	20.0	7 10	18 24.69	-3 1.8	1.895	2.858	8.0	20.2
7 20	18 18.71	-10 42.5	2.518	3.461	7.4	20.1	7 20	18 17.04	-3 38.7	1.927	2.854	10.2	20.4
7 30	18 13.04	-11 15.7	2.581	3.457	9.8	20.3	7 30	18 10.98	-4 28.0	1.983	2.849	12.8	20.5
<b>381184</b>	2007 <i>LR</i> <sub>21</sub>		6 29.3 124°86	0°8/29.1	17		<b>278551</b>	2008 <i>FC</i> <sub>66</sub>		6 29.3 24°32	7°5/30.0	17	
5 21	19 3.61	-21 24.7	1.916	2.730	15.1	21.2	5 21	18 57.02	-2 32.6	2.358	3.123	14.0	20.5
5 31	18 59.13	-22 20.3	1.837	2.737	11.9	21.0	5 31	18 53.24	-1 30.2	2.277	3.123	12.0	20.4
6 10	18 52.13	-23 22.5	1.779	2.744	8.2	20.8	6 10	18 47.69	-0 38.9	2.216	3.124	9.9	20.2
6 20	18 43.13	-24 27.9	1.746	2.751	4.1	20.6	6 20	18 40.82	-0 1.9	2.179	3.125	8.2	20.1
6 30	18 33.01	-25 31.9	1.741	2.757	0.9	20.4	6 30	18 33.26	+0 18.5	2.167	3.125	7.5	20.1
7 10	18 22.89	-26 30.5	1.764	2.763	4.8	20.6	7 10	18 25.75	+0 21.6	2.180	3.126	8.2	20.1
7 20	18 13.86	-27 21.2	1.813	2.769	8.8	20.9	7 20	18 18.99	+0 8.2	2.218	3.127	9.9	20.2
7 30	18 6.84	-28 3.2	1.887	2.775	12.3	21.1	7 30	18 13.63	-0 19.5	2.279	3.128	12.0	20.4
<b>102342</b>	1999 <i>TO</i> <sub>120</sub>		6 29.3 288°96	5°6/28.7	18		<b>169009</b>	2001 <i>DD</i> <sub>42</sub>		6 29.3 214°14	1°9/29.1	18	
5 21	19 4.90	-33 44.4	1.496	2.327	17.8	19.7	5 21	19 6.41	-27 9.4	1.883	2.697	15.3	20.9
5 31	19 1.50	-34 25.8	1.407	2.312	14.5	19.5	5 31	19 1.58	-27 27.0	1.791	2.690	12.2	20.6
6 10	18 54.56	-35 3.7	1.338	2.298	10.8	19.2	6 10	18 53.97	-27 44.7	1.720	2.683	8.6	20.4
6 20	18 44.63	-35 31.8	1.290	2.283	7.1	19.0	6 20	18 44.13	-27 59.2	1.673	2.675	4.5	20.1
6 30	18 32.89	-35 43.6	1.266	2.269	5.6	18.8	6 30	18 33.02	-28 7.4	1.653	2.667	1.9	20.0
7 10	18 21.03	-35 36.1	1.266	2.255	8.1	18.9	7 10	18 21.88	-28 7.4	1.660	2.658	5.3	20.2
7 20	18 10.73	-35 10.0	1.290	2.241	12.2	19.1	7 20	18 11.93	-27 59.4	1.693	2.648	9.4	20.4
7 30	18 3.39	-34 30.1	1.335	2.227	16.2	19.3	7 30	18 4.21	-27 45.5	1.750	2.638	13.2	20.6
<b>110084</b>	2001 <i>SP</i> <sub>116</sub>		6 29.3 288°82	2°6/29.6	18		<b>509882</b>	2009 <i>BN</i> <sub>64</sub>		6 29.3 231°84	1°6/29.7	18	
5 21	18 58.94	-16 56.5	2.037	2.850	14.4	19.5	5 21	19 0.85	-16 55.7	2.420	3.219	12.8	22.3
5 31	18 55.23	-16 36.3	1.944	2.841	11.5	19.3	5 31	18 56.44	-17 5.3	2.317	3.207	10.2	22.1
6 10	18 49.33	-16 21.0	1.872	2.833	8.2	19.1	6 10	18 50.05	-17 21.1	2.237	3.194	7.2	21.9
6 20	18 41.71	-16 10.9	1.825	2.824	4.7	18.9	6 20	18 42.07	-17 42.1	2.181	3.181	3.9	21.7
6 30	18 33.13	-16 6.1	1.804	2.816	2.6	18.7	6 30	18 33.17	-18 7.3	2.154	3.168	1.6	21.5
7 10	18 24.55	-16 6.4	1.810	2.807	5.0	18.9	7 10	18 24.17	-18 35.1	2.155	3.154	4.2	21.6
7 20	18 16.88	-16 11.3	1.842	2.799	8.6	19.1	7 20	18 15.89	-19 4.1	2.184	3.139	7.6	21.8
7 30	18 10.93	-16 20.3	1.897	2.790	12.0	19.2	7 30	18 9.09	-19 33.4	2.239	3.125	10.8	22.0
<b>473025</b>	2015 <i>HX</i> <sub>61</sub>		6 29.3 295°74	0°3/29.4	18		<b>202781</b>	2007 <i>VP</i> <sub>297</sub>		6 29.3 348°28	1°5/28.8	18	
5 21	19 0.14	-19 38.7	1.758	2.583	15.8	20.8	5 21	18 58.14	-20 52.7	1.479	2.321	17.5	18.6
5 31	18 56.78	-20 12.5	1.664	2.570	12.6	20.6	5 31	18 55.75	-22 8.6	1.397	2.313	13.9	18.3
6 10	18 50.77	-20 54.7	1.591	2.558	8.8	20.3	6 10	18 50.40	-23 36.6	1.334	2.306	9.6	18.1
6 20	18 42.58	-21 43.0	1.541	2.546	4.4	20.1	6 20	18 42.54	-25 11.9	1.294	2.300	4.8	17.8
6 30	18 33.06	-22 34.1	1.517	2.534	0.4	19.7	6 30	18 33.12	-26 47.8	1.280	2.295	1.6	17.5
7 10	18 23.37	-23 24.4	1.520	2.522	5.0	20.0	7 10	18 23.52	-28 17.2	1.291	2.291	6.0	17.8
7 20	18 14.68	-24 11.1	1.548	2.510	9.5	20.3	7 20	18 15.11	-29 35.0	1.326	2.288	10.8	18.1
7 30	18 8.05	-24 52.8	1.600	2.499	13.6	20.5	7 30	18 9.13	-30 39.0	1.384	2.286	15.0	18.3
<b>510654</b>	2012 <i>TV</i> <sub>260</sub>		6 29.3 168°53	3°0/28.6	17		<b>519044</b>	2010 <i>KD</i> <sub>32</sub>		6 29.3 297°82	1°4/29.2	18	
5 21	19 3.92	-30 53.9	2.520	3.320	12.3	22.5	5 21	18 59.89	-26 32.1	2.101	2.920	13.8	21.5
5 31	18 58.87	-31 34.4	2.434	3.324	9.8	22.4	5 31	18 56.14	-26 42.8	2.004	2.908	11.0	21.3
6 10	18 51.68	-32 13.5	2.372	3.328	7.0	22.2	6 10	18 50.07	-26 53.4	1.929	2.895	7.6	21.1
6 20	18 42.83	-32 47.4	2.336	3.331	4.3	22.0	6 20	18 42.15	-27 1.9	1.879	2.882	3.9	20.8
6 30	18 33.09	-33 13.2	2.327	3.333	3.1	22.0	6 30	18 33.18	-27 6.1	1.855	2.870	1.4	20.6
7 10	18 23.37	-33 29.0	2.347	3.335	4.9	22.1	7 10	18 24.17	-27 4.7	1.858	2.858	4.6	20.8
7 20	18 14.58	-33 34.5	2.395	3.336	7.8	22.3	7 20	18 16.11	-26 57.7	1.888	2.846	8.4	21.0
7 30	18 7.47	-33 31.3	2.468	3.337	10.5	22.4	7 30	18 9.88	-26 46.4	1.941	2.834	11.8	21.2
<b>131083</b>	2000 <i>YV</i> <sub>122</sub>		6 29.3 217°34	3°2/30.1	18		<b>106823</b>	2000 <i>XB</i> <sub>49</sub>		6 29.3 106°30	3°8/28.7	18	
5 21	19 1.38	-12 8.5	2.448	3.233	13.0	20.5	5 21	19 5.04	-31 33.2	1.966	2.780	14.8	19.3
5 31	18 56.76	-12 9.8	2.347	3.224	10.6	20.3	5 31	19 0.29	-32 13.9	1.894	2.791	11.8	19.1
6 10	18 50.20	-12 19.6	2.267	3.214	7.8	20.1	6 10	18 52.91	-32 52.1	1.844	2.802	8.5	18.9
6 20	18 42.11	-12 37.9	2.213	3.203	4.9	19.9	6 20	18 43.51	-33 23.3	1.818	2.813	5.2	18.8
6 30	18 33.14	-13 4.2	2.186	3.192	3.2	19.7	6 30	18 33.09	-33 43.5	1.818	2.824	3.8	18.7
7 10	18 24.09	-13 37.2	2.188	3.180	4.9	19.8	7 10	18 22.84	-33 51.0	1.845	2.834	5.9	18.9
7 20	18 15.74	-14 15.3	2.218	3.167	7.9	20.0	7 20	18 13.87	-33 46.3	1.899	2.844	9.2	19.1
7 30	18 8.83	-14 56.7	2.274	3.154	10.8	20.2	7 30	18 7.09	-33 31.7	1.976	2.854	12.3	19.3
<b>141518</b>	2002 <i>EB</i> <sub>136</sub>		6 29.3 336°41	3°1/30.0	18		<b>162879</b>	2001 <i>FM</i>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>350252</b>	2012 <i>TD</i> <sub>125</sub>		6 29.3 268°83	2°1/28.9	18		<b>59385</b>	1999 <i>FH</i> <sub>15</sub>		6 29.3 311°53	4°7/28.6	18	
5 21	19 2.12	-26 43.4	2.005	2.823	14.4	21.2	5 21	19 3.19	-32 9.3	1.626	2.456	16.7	19.1
5 31	18 58.16	-27 17.3	1.906	2.808	11.5	20.9	5 31	18 59.69	-32 54.2	1.543	2.449	13.5	18.9
6 10	18 51.64	-27 53.2	1.828	2.793	8.0	20.7	6 10	18 53.05	-33 37.1	1.480	2.442	9.8	18.6
6 20	18 43.02	-28 27.7	1.775	2.777	4.3	20.4	6 20	18 43.82	-34 12.4	1.440	2.435	6.3	18.4
6 30	18 33.12	-28 57.2	1.748	2.761	2.1	20.3	6 30	18 33.11	-34 34.8	1.424	2.429	4.8	18.3
7 10	18 23.07	-29 19.0	1.748	2.745	5.2	20.4	7 10	18 22.37	-34 41.2	1.433	2.423	7.2	18.4
7 20	18 13.98	-29 32.1	1.775	2.729	9.1	20.6	7 20	18 13.05	-34 32.0	1.467	2.417	11.0	18.6
7 30	18 6.85	-29 37.3	1.825	2.713	12.7	20.8	7 30	18 6.33	-34 10.2	1.522	2.411	14.7	18.8
<b>405860</b>	2006 <i>DJ</i> <sub>65</sub>		6 29.3 58°60	4°8/28.6	17		<b>23607</b>	1996 <i>AR</i> <sub>2</sub>		6 29.3 275°42	4°3/29.1	18	
5 21	19 5.93	-29 40.8	1.240	2.085	20.0	20.5	5 21	19 6.03	-34 48.8	2.006	2.814	14.7	18.3
5 31	19 2.40	-30 44.2	1.183	2.098	15.9	20.2	5 31	19 1.42	-35 3.3	1.903	2.794	12.0	18.1
6 10	18 55.11	-31 47.8	1.143	2.111	11.3	20.0	6 10	18 53.97	-35 11.8	1.820	2.774	8.9	17.8
6 20	18 44.83	-32 44.1	1.125	2.124	6.8	19.8	6 20	18 44.20	-35 10.2	1.762	2.753	5.8	17.6
6 30	18 33.01	-33 25.7	1.130	2.138	4.9	19.7	6 30	18 33.09	-34 54.6	1.729	2.732	4.4	17.5
7 10	18 21.50	-33 48.6	1.159	2.152	7.9	19.9	7 10	18 21.91	-34 23.9	1.723	2.711	6.4	17.5
7 20	18 11.99	-33 53.3	1.211	2.166	12.3	20.2	7 20	18 11.93	-33 39.6	1.744	2.690	9.8	17.7
7 30	18 5.72	-33 43.7	1.283	2.181	16.3	20.5	7 30	18 4.23	-32 45.6	1.788	2.668	13.3	17.9
<b>285620</b>	2000 <i>RJ</i> <sub>17</sub>		6 29.3 293°69	2°1/29.3	17		<b>253909</b>	2004 <i>CP</i> <sub>4</sub>		6 29.3 157°61	2°2/29.7	17	
5 21	19 4.21	-28 34.5	1.387	2.227	18.5	20.9	5 21	19 4.17	-16 31.0	1.990	2.793	15.0	22.1
5 31	19 1.07	-28 29.2	1.290	2.204	15.0	20.6	5 31	18 59.30	-16 31.6	1.909	2.800	12.0	21.9
6 10	18 54.38	-28 20.6	1.211	2.181	10.6	20.3	6 10	18 52.10	-16 39.0	1.849	2.807	8.5	21.7
6 20	18 44.64	-28 5.1	1.154	2.158	5.7	19.9	6 20	18 43.12	-16 52.5	1.813	2.813	4.7	21.4
6 30	18 33.01	-27 39.4	1.120	2.135	2.2	19.6	6 30	18 33.20	-17 10.9	1.805	2.818	2.2	21.3
7 10	18 21.14	-27 2.9	1.111	2.113	6.5	19.9	7 10	18 23.36	-17 32.7	1.824	2.822	4.9	21.5
7 20	18 10.76	-26 17.7	1.125	2.090	11.9	20.1	7 20	18 14.57	-17 56.7	1.870	2.826	8.6	21.7
7 30	18 3.29	-25 28.3	1.161	2.068	16.9	20.3	7 30	18 7.67	-18 21.8	1.941	2.830	12.0	21.9
<b>21724</b>	<i>Ratai</i>		6 29.3 287°04	4°3/29.6	18		<b>201528</b>	2003 <i>QL</i> <sub>20</sub>		6 29.3 280°44	0°5/29.3	18	R
5 21	19 0.89	-15 19.6	1.493	2.321	18.0	18.5	5 21	19 0.84	-22 22.8	1.871	2.694	15.1	20.0
5 31	18 57.70	-14 43.0	1.403	2.307	14.7	18.3	5 31	18 57.18	-22 49.1	1.778	2.683	12.0	19.8
6 10	18 51.60	-14 13.3	1.331	2.292	10.7	18.0	6 10	18 50.98	-23 20.2	1.706	2.673	8.3	19.6
6 20	18 43.09	-13 52.0	1.281	2.278	6.6	17.7	6 20	18 42.71	-23 53.8	1.658	2.663	4.1	19.3
6 30	18 33.13	-13 40.2	1.255	2.264	4.3	17.5	6 30	18 33.22	-24 26.9	1.636	2.653	0.6	19.0
7 10	18 23.06	-13 38.5	1.253	2.249	7.0	17.7	7 10	18 23.61	-24 56.8	1.641	2.642	4.8	19.3
7 20	18 14.18	-13 46.3	1.276	2.235	11.4	17.9	7 20	18 15.02	-25 22.0	1.672	2.632	9.1	19.5
7 30	18 7.64	-14 2.4	1.320	2.221	15.7	18.1	7 30	18 8.42	-25 42.2	1.726	2.622	12.9	19.7
<b>299701</b>	2006 <i>QW</i> <sub>151</sub>		6 29.3 212°14	0°6/29.3	18		<b>117233</b>	2004 <i>SG</i> <sub>9</sub>		6 29.3 49°68	3°2/28.7	18	R
5 21	19 0.99	-24 29.4	2.200	3.013	13.4	21.5	5 21	19 10.69	-22 37.8	1.657	2.469	17.2	18.5
5 31	18 56.76	-24 38.3	2.111	3.011	10.6	21.3	5 31	19 4.63	-20 51.9	1.579	2.476	13.7	18.2
6 10	18 50.33	-24 48.3	2.044	3.009	7.3	21.1	6 10	18 55.76	-19 0.7	1.522	2.483	9.6	18.0
6 20	18 42.23	-24 57.6	2.003	3.007	3.7	20.8	6 20	18 44.86	-17 7.0	1.491	2.491	5.4	17.8
6 30	18 33.21	-25 4.5	1.988	3.004	0.7	20.6	6 30	18 33.09	-15 15.5	1.488	2.499	3.2	17.7
7 10	18 24.23	-25 7.8	2.001	3.002	4.2	20.9	7 10	18 21.77	-13 31.8	1.514	2.507	6.4	17.9
7 20	18 16.21	-25 7.3	2.041	2.999	7.9	21.1	7 20	18 12.04	-12 0.9	1.566	2.515	10.5	18.1
7 30	18 9.91	-25 3.9	2.106	2.996	11.2	21.3	7 30	18 4.75	-10 45.8	1.643	2.524	14.2	18.4
<b>160199</b>	2002 <i>AJ</i> <sub>45</sub>		6 29.3 218°03	1°3/29.6	18		<b>74839</b>	1999 <i>TZ</i> <sub>34</sub>		6 29.3 330°94	15°7/24.8	18	
5 21	18 59.27	-18 54.1	2.562	3.365	12.1	21.2	5 21	18 56.04	-45 15.1	1.044	1.898	22.3	18.0
5 31	18 55.01	-18 49.2	2.467	3.359	9.6	21.0	5 31	18 57.15	-47 22.3	0.965	1.868	19.8	17.7
6 10	18 48.94	-18 47.8	2.393	3.353	6.7	20.8	6 10	18 53.43	-49 21.8	0.902	1.839	17.4	17.4
6 20	18 41.48	-18 49.4	2.346	3.347	3.6	20.6	6 20	18 44.94	-50 59.3	0.855	1.811	15.9	17.2
6 30	18 33.27	-18 53.4	2.326	3.341	1.3	20.4	6 30	18 33.02	-51 58.3	0.826	1.786	15.9	17.1
7 10	18 25.05	-18 59.1	2.335	3.334	3.9	20.6	7 10	18 20.37	-52 8.0	0.814	1.762	17.7	17.1
7 20	18 17.57	-19 6.0	2.371	3.327	7.0	20.8	7 20	18 10.09	-51 27.5	0.819	1.740	20.7	17.2
7 30	18 11.49	-19 14.0	2.433	3.320	10.0	21.0	7 30	18 4.68	-50 5.3	0.837	1.720	24.1	17.3
<b>434385</b>	2004 <i>XK</i> <sub>83</sub>		6 29.3 191°92	3°8/28.3	18		<b>305430</b>	2008 <i>CS</i> <sub>150</sub>		6 29.4 195°44	2°6/29.1	18	
5 21	19 5.80	-32 12.7	2.487	3.284	12.5	22.1	5 21	19 2.44	-30 59.4	2.472	3.277	12.4	21.2
5 31	19 0.56	-33 10.1	2.396	3.282	10.1	21.9	5 31	18 57.73	-31 13.8	2.383	3.275	9.9	21.0
6 10	18 53.00	-34 6.2	2.329	3.280	7.4	21.7	6 10	18 50.92	-31 25.3	2.316	3.274	7.0	20.8
6 20	18 43.60	-34 56.7	2.287	3.277	4.8	21.6	6 20	18 42.51	-31 31.2	2.274	3.272	4.1	20.6
6 30	18 33.11	-35 37.5	2.273	3.273	3.8	21.5	6 30	18 33.26	-31 29.5	2.261	3.270	2.6	20.5
7 10	18 22.54	-36 5.9	2.288	3.269	5.6	21.6	7 10	18 24.08	-31 19.2	2.275	3.267	4.6	20.7
7 20	18 12.87	-36 21.2	2.331	3.264	8.3	21.8	7 20	18 15.85	-31 1.1	2.316	3.265	7.6	20.8
7 30	18 4.98	-36 25.0	2.398	3.259	11.0	22.0	7 30	18 9.31	-30 36.9	2.383	3.262	10.4	21.0
<b>425991</b>	2011 <i>HX</i> <sub>84</sub>		6 29.3 133°86	6°2/30.7	17		<b>514020</b>	2014 <i>JS</i> <sub>85</sub>		6 29.4 194°07	0°6/29.2	18	
5 21	19 1.54	-4 51.9	2.207	2.975	14.8	21.3	5 21	19 0.10	-22 9.8	2.584	3.388	11.9	21.4
5 31	18 56.82	-4 22.8	2.133	2.989	12.4	21.2	5 31	18 55.77	-22 51.4	2.492	3.387	9.4	21.3
6 10	18 50.16	-4 6.1	2.079	3.001	9.8	21.0	6 10	18 49.55	-23 37.2	2.423	3.386	6.5	21.1
6 20	18 42.05	-4 3.7	2.049	3.013	7.4	20.9	6 20	18 41.85	-24 24.8	2.381	3.384	3.2	20.9
6 30	18 33.23	-4 16.4	2.045	3.025	6.3	20.8	6 30	18 33.30	-25 11.5	2.367	3.383	0.6	20.6
7 10	18 24.54	-4 43.3	2.068	3.036	7.1	20.9	7 10	18 24.71	-25 54.9	2.382	3.381	3.8	20.9
7 20	18 16.75	-5 22.5	2.117	3.047	9.3	21.1	7 20	18 16.83	-26 33.5	2.425	3.379	7.0	21.1
7 30	18 10.55	-6 10.9	2.191	3.056	11.8	21.2	7 30	18 10.39	-27 6.6	2.494	3.377	9.9	21.3
<b>392418</b>	2010 <i>ML</i> <sub>73</sub>		6 29.3 322°32	8°0/30.4	18		<b>504287</b>	2006 <i>XG</i> <sub>24</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>369266</b>	2009 <i>MG</i> <sub>3</sub>		6 29.4 356°25	8°2/30.3	17		<b>114249</b>	2002 <i>WO</i> <sub>11</sub>		6 29.4 309°84	3°8/28.9	18	
5 21	18 56.69	- 8 38.2	1.223	2.059	20.7	20.3	5 21	19 1.30	-20 13.3	1.360	2.201	18.7	18.5
5 31	18 54.69	- 7 40.3	1.154	2.055	17.3	20.1	5 31	18 58.73	-19 4.2	1.251	2.166	15.3	18.2
6 10	18 49.64	- 6 57.1	1.101	2.053	13.5	19.9	6 10	18 52.83	-17 51.2	1.162	2.130	11.1	17.9
6 20	18 42.14	- 6 33.2	1.067	2.051	9.9	19.6	6 20	18 44.00	-16 35.8	1.093	2.095	6.4	17.5
6 30	18 33.29	- 6 31.8	1.055	2.050	8.2	19.5	6 30	18 33.21	-15 20.9	1.048	2.060	3.9	17.2
7 10	18 24.51	- 6 53.0	1.065	2.050	9.8	19.6	7 10	18 21.96	-14 10.4	1.027	2.025	7.7	17.3
7 20	18 17.15	- 7 33.8	1.097	2.051	13.3	19.8	7 20	18 11.86	-13 9.2	1.029	1.991	13.1	17.5
7 30	18 12.32	- 8 29.5	1.147	2.053	17.2	20.1	7 30	18 4.40	-12 20.7	1.052	1.958	18.3	17.7
<b>397737</b>	2008 <i>EV</i> <sub>134</sub>		6 29.4 316°77	0°1/29.3	18		<b>256998</b>	2008 <i>EJ</i> <sub>149</sub>		6 29.4 319°29	7°6/30.1	18	
5 21	18 57.86	-22 25.7	1.962	2.788	14.4	21.0	5 21	18 56.64	- 3 32.0	2.150	2.926	14.9	20.4
5 31	18 54.73	-22 38.8	1.865	2.771	11.5	20.8	5 31	18 53.24	- 2 33.7	2.064	2.920	12.7	20.3
6 10	18 49.24	-22 55.6	1.788	2.755	7.9	20.5	6 10	18 47.90	- 1 47.0	1.997	2.913	10.4	20.1
6 20	18 41.84	-23 14.3	1.734	2.739	4.0	20.2	6 20	18 41.08	- 1 15.1	1.953	2.907	8.4	20.0
6 30	18 33.32	-23 33.0	1.707	2.724	0.3	19.9	6 30	18 33.44	- 1 0.6	1.934	2.901	7.6	19.9
7 10	18 24.68	-23 49.8	1.707	2.709	4.6	20.2	7 10	18 25.80	- 1 4.1	1.940	2.895	8.4	19.9
7 20	18 16.96	-24 3.8	1.732	2.694	8.7	20.4	7 20	18 18.94	- 1 24.7	1.970	2.889	10.4	20.0
7 30	18 11.06	-24 14.9	1.781	2.680	12.4	20.6	7 30	18 13.59	- 1 59.9	2.023	2.884	12.8	20.2
<b>439824</b>	2015 <i>KG</i> <sub>73</sub>		6 29.4 318°54	3°8/29.9	16		<b>285859</b>	2001 <i>HZ</i> <sub>14</sub>		6 29.4 154°54	10°8/1.4	18	
5 21	18 58.71	-13 20.4	1.843	2.656	15.7	21.1	5 21	18 59.75	+ 9 16.8	2.421	3.116	15.4	21.2
5 31	18 55.29	-13 6.3	1.757	2.651	12.7	20.9	5 31	18 55.35	+10 30.6	2.349	3.122	13.9	21.1
6 10	18 49.53	-13 1.2	1.691	2.647	9.3	20.7	6 10	18 49.16	+11 27.0	2.296	3.129	12.5	21.0
6 20	18 41.94	-13 5.8	1.649	2.643	5.8	20.5	6 20	18 41.64	+12 1.9	2.264	3.134	11.3	21.0
6 30	18 33.32	-13 20.1	1.631	2.639	3.8	20.3	6 30	18 33.41	+12 12.3	2.255	3.139	10.8	20.9
7 10	18 24.71	-13 43.0	1.640	2.635	5.8	20.4	7 10	18 25.25	+11 57.6	2.269	3.144	11.1	21.0
7 20	18 17.08	-14 12.9	1.674	2.631	9.4	20.6	7 20	18 17.87	+11 19.5	2.305	3.149	12.1	21.0
7 30	18 11.29	-14 47.7	1.732	2.627	12.9	20.8	7 30	18 11.91	+10 21.6	2.363	3.152	13.4	21.1
<b>136591</b>	1993 <i>FN</i> <sub>18</sub>		6 29.4 55°03	3°9/28.5	18		<b>364576</b>	2007 <i>RN</i> <sub>32</sub>		6 29.4 288°46	1°0/29.5	17	
5 21	19 2.07	-31 46.7	2.077	2.892	14.1	19.8	5 21	19 1.61	-19 18.1	1.398	2.235	18.5	20.5
5 31	18 57.95	-32 35.4	2.000	2.898	11.3	19.6	5 31	18 58.84	-19 33.2	1.302	2.214	14.9	20.2
6 10	18 51.35	-33 22.3	1.946	2.903	8.1	19.4	6 10	18 52.82	-19 57.5	1.224	2.193	10.5	19.9
6 20	18 42.83	-34 2.9	1.915	2.909	5.2	19.3	6 20	18 43.96	-20 29.6	1.167	2.172	5.5	19.6
6 30	18 33.27	-34 33.1	1.911	2.915	4.0	19.2	6 30	18 33.24	-21 6.6	1.134	2.151	1.0	19.2
7 10	18 23.77	-34 50.7	1.934	2.921	5.9	19.3	7 10	18 22.13	-21 45.1	1.126	2.129	6.1	19.5
7 20	18 15.40	-34 55.6	1.983	2.927	9.0	19.5	7 20	18 12.20	-22 22.3	1.141	2.108	11.6	19.7
7 30	18 9.04	-34 49.7	2.055	2.933	11.9	19.7	7 30	18 4.87	-22 56.7	1.178	2.087	16.6	19.9
<b>68068</b>	2000 <i>YF</i> <sub>73</sub>		6 29.4 211°65	2°0/29.4	18		<b>512115</b>	2015 <i>OS</i> <sub>83</sub>		6 29.4 339°53	3°2/29.2	18	
5 21	19 5.17	-20 30.3	1.644	2.465	16.9	19.1	5 21	19 2.17	-33 4.6	2.247	3.057	13.3	21.1
5 31	19 0.71	-19 54.5	1.559	2.462	13.5	18.9	5 31	18 57.79	-33 11.5	2.161	3.054	10.7	20.9
6 10	18 53.41	-19 20.5	1.494	2.458	9.5	18.7	6 10	18 51.10	-33 13.6	2.096	3.052	7.7	20.7
6 20	18 43.91	-18 48.2	1.452	2.455	5.1	18.4	6 20	18 42.68	-33 7.9	2.055	3.050	4.7	20.5
6 30	18 33.20	-18 18.2	1.436	2.451	2.0	18.2	6 30	18 33.36	-32 52.4	2.042	3.049	3.2	20.4
7 10	18 22.59	-17 51.1	1.447	2.447	5.6	18.4	7 10	18 24.18	-32 26.5	2.056	3.047	5.2	20.5
7 20	18 13.29	-17 28.2	1.483	2.442	10.1	18.6	7 20	18 16.09	-31 51.8	2.096	3.046	8.2	20.7
7 30	18 6.31	-17 10.6	1.542	2.437	14.2	18.9	7 30	18 9.87	-31 10.9	2.161	3.044	11.2	20.9
<b>416757</b>	2005 <i>EJ</i> <sub>148</sub>		6 29.4 112°18	2°9/29.9	17		<b>370335</b>	2002 <i>RT</i> <sub>237</sub>		6 29.4 265°14	1°4/29.2	18	
5 21	19 4.67	-15 20.6	1.678	2.490	17.0	21.3	5 21	19 4.69	-25 29.9	1.785	2.605	15.8	21.8
5 31	19 0.00	-15 16.1	1.610	2.505	13.6	21.1	5 31	19 0.62	-25 46.4	1.681	2.584	12.7	21.5
6 10	18 52.72	-15 20.4	1.561	2.520	9.7	20.9	6 10	18 53.64	-26 4.8	1.597	2.563	8.9	21.3
6 20	18 43.47	-15 32.9	1.536	2.534	5.5	20.7	6 20	18 44.23	-26 22.2	1.537	2.541	4.6	21.0
6 30	18 33.24	-15 52.6	1.536	2.548	2.9	20.6	6 30	18 33.28	-26 35.3	1.503	2.519	1.4	20.7
7 10	18 23.22	-16 17.7	1.564	2.561	5.6	20.8	7 10	18 22.07	-26 41.9	1.496	2.496	5.4	20.9
7 20	18 14.51	-16 46.3	1.616	2.574	9.5	21.0	7 20	18 11.92	-26 41.4	1.514	2.472	10.0	21.1
7 30	18 7.98	-17 17.0	1.693	2.587	13.2	21.3	7 30	18 4.01	-26 35.3	1.555	2.448	14.2	21.3
<b>269812</b>	1999 <i>VW</i> <sub>132</sub>		6 29.4 337°90	4°5/29.5	16		<b>62816</b>	2000 <i>UC</i> <sub>44</sub>		6 29.4 334°62	5°5/28.1	18	
5 21	18 50.95	-16 53.3	1.155	2.021	19.8	20.0	5 21	19 2.14	-35 30.7	2.054	2.867	14.3	19.1
5 31	18 50.70	-16 9.9	1.067	1.995	16.1	19.7	5 31	18 58.34	-36 33.2	1.970	2.862	11.7	18.9
6 10	18 47.29	-15 32.0	0.997	1.970	11.8	19.4	6 10	18 51.87	-37 32.4	1.909	2.858	8.8	18.7
6 20	18 41.19	-15 2.3	0.945	1.947	7.1	19.0	6 20	18 43.24	-38 22.9	1.871	2.854	6.4	18.5
6 30	18 33.38	-14 43.1	0.915	1.926	4.5	18.8	6 30	18 33.36	-38 59.5	1.859	2.851	5.6	18.5
7 10	18 25.36	-14 35.6	0.906	1.907	7.7	18.9	7 10	18 23.43	-39 19.3	1.873	2.847	7.2	18.6
7 20	18 18.64	-14 39.8	0.917	1.890	12.8	19.2	7 20	18 14.63	-39 22.1	1.912	2.844	10.0	18.7
7 30	18 14.60	-14 54.5	0.947	1.875	17.8	19.4	7 30	18 7.98	-39 10.5	1.974	2.841	12.8	18.9
<b>360977</b>	2005 <i>UV</i> <sub>266</sub>		6 29.4 114°30	0°5/29.5	15		<b>125477</b>	2001 <i>WL</i> <sub>16</sub>		6 29.4 252°71	2°5/29.1	17	
5 21	18 59.30	-20 52.7	2.599	3.403	11.9	22.2	5 21	19 6.28	-27 33.6	1.552	2.380	17.4	21.2
5 31	18 54.94	-20 58.8	2.520	3.414	9.3	22.0	5 31	19 2.31	-27 57.8	1.459	2.366	14.0	20.9
6 10	18 48.84	-21 7.8	2.463	3.424	6.4	21.8	6 10	18 55.04	-28 22.8	1.386	2.352	9.9	20.6
6 20	18 41.44	-21 18.4	2.432	3.435	3.2	21.6	6 20	18 44.99	-28 44.5	1.335	2.338	5.4	20.3
6 30	18 33.39	-21 29.5	2.429	3.445	0.5	21.4	6 30	18 33.24	-28 58.5	1.309	2.323	2.6	20.1
7 10	18 25.44	-21 40.3	2.454	3.455	3.5	21.7	7 10	18 21.32	-29 1.8	1.309	2.308	6.3	20.3
7 20	18 18.29	-21 50.2	2.508	3.464	6.7	21.9	7 20	18 10.75	-28 54.6	1.334	2.292	11.1	20.5
7 30	18 12.55	-21 59.2	2.587	3.474	9.4	22.1	7 30	18 2.86	-28 39.2	1.380	2.276	15.5	20.7
<b>345523</b>	2006 <i>KP</i> <sub>88</sub>		6 29.4 245°35	3°7/30.5	1								

EPHEMERIDES

6 29.4

6 29.4

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>151344</b>	2002 <i>CE</i> <sub>246</sub>		6 29.4 298°26	5°1/30.4	18		<b>23199</b>	Bezdek		6 29.4 190°92	0°5/29.3	18	
5 21	18 57.13	- 8 26.9	2.147	2.940	14.4	20.1	5 21	19 0.88	-25 2.4	2.365	3.175	12.7	19.4
5 31	18 53.83	- 8 12.1	2.043	2.920	12.0	19.9	5 31	18 56.53	-25 0.8	2.276	3.174	10.1	19.2
6 10	18 48.49	- 8 8.5	1.959	2.900	9.2	19.7	6 10	18 50.15	-24 59.3	2.210	3.174	6.9	19.0
6 20	18 41.50	- 8 17.3	1.899	2.880	6.5	19.5	6 20	18 42.23	-24 56.3	2.169	3.173	3.5	18.8
6 30	18 33.50	- 8 39.5	1.864	2.860	5.1	19.4	6 30	18 33.51	-24 50.7	2.156	3.172	0.6	18.6
7 10	18 25.35	- 9 14.2	1.856	2.840	6.4	19.4	7 10	18 24.86	-24 42.0	2.171	3.171	3.9	18.9
7 20	18 17.91	- 9 59.5	1.873	2.820	9.2	19.5	7 20	18 17.12	-24 30.4	2.213	3.170	7.4	19.1
7 30	18 11.99	-10 52.8	1.915	2.801	12.3	19.7	7 30	18 10.99	-24 16.9	2.280	3.169	10.5	19.3
<b>376899</b>	2001 <i>XB</i> <sub>237</sub>		6 29.4 228°58	0°7/29.3	18		<b>65386</b>	2002 <i>QS</i> <sub>6</sub>		6 29.4 250°44	3°3/29.8	18	
5 21	19 4.58	-24 43.3	2.245	3.051	13.5	22.2	5 21	19 0.50	-13 18.6	2.496	3.285	12.7	20.1
5 31	18 59.72	-24 53.0	2.143	3.038	10.7	21.9	5 31	18 56.17	-12 58.1	2.386	3.266	10.3	19.9
6 10	18 52.53	-25 3.8	2.063	3.025	7.4	21.7	6 10	18 49.93	-12 43.5	2.298	3.246	7.6	19.7
6 20	18 43.49	-25 13.6	2.007	3.011	3.8	21.5	6 20	18 42.18	-12 35.6	2.235	3.226	4.9	19.5
6 30	18 33.37	-25 20.4	1.980	2.996	0.8	21.2	6 30	18 33.54	-12 34.8	2.200	3.205	3.4	19.4
7 10	18 23.16	-25 22.8	1.981	2.981	4.4	21.4	7 10	18 24.76	-12 40.8	2.193	3.183	5.0	19.4
7 20	18 13.84	-25 20.8	2.010	2.965	8.1	21.6	7 20	18 16.65	-12 53.1	2.213	3.161	7.9	19.6
7 30	18 6.30	-25 15.1	2.063	2.948	11.6	21.8	7 30	18 9.91	-13 10.9	2.259	3.138	10.9	19.7
<b>13598</b>	1994 <i>PY</i> <sub>19</sub>		6 29.4 54°54	0°9/29.3	18		<b>62772</b>	2000 <i>UY</i> <sub>19</sub>		6 29.4 309°88	0°5/29.3	18	
5 21	19 3.86	-24 56.2	1.407	2.245	18.4	18.0	5 21	18 59.22	-23 23.1	2.075	2.895	13.9	19.8
5 31	19 0.07	-25 0.6	1.343	2.257	14.5	17.8	5 31	18 55.65	-23 38.7	1.983	2.887	11.0	19.6
6 10	18 53.15	-25 6.4	1.299	2.269	10.0	17.6	6 10	18 49.81	-23 57.2	1.912	2.879	7.6	19.4
6 20	18 43.83	-25 10.7	1.277	2.282	5.0	17.3	6 20	18 42.18	-24 16.4	1.866	2.871	3.8	19.1
6 30	18 33.36	-25 11.0	1.279	2.295	0.9	17.1	6 30	18 33.54	-24 34.3	1.847	2.863	0.6	18.8
7 10	18 23.20	-25 6.3	1.306	2.308	5.6	17.4	7 10	18 24.86	-24 49.3	1.854	2.855	4.4	19.1
7 20	18 14.70	-24 57.1	1.357	2.322	10.3	17.8	7 20	18 17.10	-25 0.5	1.888	2.848	8.2	19.3
7 30	18 8.85	-24 45.3	1.430	2.335	14.5	18.0	7 30	18 11.11	-25 8.2	1.946	2.841	11.7	19.5
<b>11054</b>	1991 <i>FA</i>		6 29.4 234°88	1°7/29.2	16		<b>20100</b>	1994 <i>XM</i>		6 29.4 226°52	0°4/29.3	18	R
5 21	19 13.46	-26 26.0	1.940	2.737	15.5	21.5	5 21	18 59.82	-23 57.7	2.772	3.574	11.2	19.8
5 31	19 7.46	-26 45.8	1.826	2.716	12.5	21.2	5 31	18 55.47	-24 7.7	2.672	3.566	8.9	19.6
6 10	18 58.36	-27 6.8	1.734	2.693	8.8	20.9	6 10	18 49.33	-24 18.8	2.595	3.557	6.1	19.4
6 20	18 46.62	-27 25.2	1.667	2.669	4.7	20.6	6 20	18 41.83	-24 29.7	2.544	3.548	3.1	19.2
6 30	18 33.17	-27 37.0	1.628	2.642	1.7	20.4	6 30	18 33.57	-24 39.0	2.522	3.538	0.5	18.9
7 10	18 19.35	-27 39.6	1.617	2.614	5.5	20.6	7 10	18 25.28	-24 45.7	2.529	3.529	3.5	19.2
7 20	18 6.57	-27 33.0	1.634	2.585	10.0	20.8	7 20	18 17.69	-24 49.4	2.563	3.518	6.6	19.4
7 30	17 56.10	-27 19.1	1.676	2.554	14.2	21.0	7 30	18 11.43	-24 50.5	2.624	3.508	9.4	19.5
<b>115845</b>	2003 <i>UY</i> <sub>264</sub>		6 29.4 186°67	2°6/29.8	17		<b>502337</b>	2015 <i>BB</i> <sub>186</sub>		6 29.4 239°76	0°9/29.2	17	
5 21	19 4.33	-15 50.5	2.001	2.802	15.0	21.1	5 21	19 3.96	-23 6.9	1.757	2.578	16.0	21.6
5 31	18 59.53	-15 41.5	1.913	2.802	12.1	20.9	5 31	18 59.94	-23 40.0	1.665	2.570	12.7	21.4
6 10	18 52.38	-15 39.2	1.846	2.802	8.6	20.7	6 10	18 53.10	-24 18.2	1.594	2.561	8.8	21.2
6 20	18 43.39	-15 43.5	1.803	2.800	4.9	20.4	6 20	18 43.96	-24 58.5	1.547	2.551	4.5	20.9
6 30	18 33.40	-15 53.7	1.787	2.798	2.7	20.3	6 30	18 33.43	-25 37.0	1.526	2.542	1.0	20.6
7 10	18 23.43	-16 8.7	1.799	2.795	5.1	20.4	7 10	18 22.76	-26 10.5	1.531	2.532	5.2	20.9
7 20	18 14.45	-16 27.6	1.837	2.792	8.8	20.6	7 20	18 13.20	-26 37.2	1.563	2.522	9.7	21.1
7 30	18 7.33	-16 49.2	1.900	2.788	12.3	20.9	7 30	18 5.84	-26 57.2	1.617	2.511	13.7	21.3
<b>198178</b>	2004 <i>TL</i> <sub>104</sub>		6 29.4 308°61	4°1/30.3	17		<b>164636</b>	1995 <i>BR</i> <sub>8</sub>		6 29.4 240°77	2°2/29.2	17	
5 21	18 58.89	-11 56.4	1.666	2.483	16.9	20.0	5 21	19 5.63	-27 23.4	1.543	2.373	17.4	20.7
5 31	18 55.83	-11 58.4	1.576	2.472	13.8	19.7	5 31	19 1.66	-27 42.0	1.459	2.367	14.0	20.5
6 10	18 50.20	-12 13.1	1.506	2.462	10.2	19.5	6 10	18 54.48	-28 0.8	1.394	2.361	9.8	20.2
6 20	18 42.46	-12 41.2	1.457	2.452	6.4	19.3	6 20	18 44.68	-28 16.0	1.351	2.354	5.2	19.9
6 30	18 33.46	-13 21.9	1.434	2.442	4.1	19.1	6 30	18 33.39	-28 23.8	1.333	2.347	2.3	19.7
7 10	18 24.34	-14 12.7	1.436	2.432	6.2	19.2	7 10	18 22.08	-28 21.9	1.341	2.341	6.0	20.0
7 20	18 16.24	-15 10.5	1.463	2.423	10.1	19.4	7 20	18 12.22	-28 11.0	1.374	2.334	10.7	20.2
7 30	18 10.15	-16 11.7	1.512	2.414	14.0	19.6	7 30	18 4.99	-27 53.4	1.428	2.326	14.9	20.4
<b>79308</b>	1995 <i>YB</i> <sub>12</sub>		6 29.4 276°13	2°2/29.7	18		<b>164300</b>	2004 <i>YN</i> <sub>16</sub>		6 29.4 339°88	1°4/29.2	18	
5 21	19 1.49	-17 36.3	1.644	2.467	16.8	20.2	5 21	19 1.54	-25 54.9	1.790	2.616	15.5	20.3
5 31	18 58.05	-17 30.3	1.549	2.452	13.5	20.0	5 31	18 57.83	-26 7.8	1.707	2.614	12.3	20.1
6 10	18 51.83	-17 31.3	1.473	2.437	9.6	19.7	6 10	18 51.48	-26 21.5	1.644	2.612	8.5	19.9
6 20	18 43.32	-17 39.1	1.420	2.422	5.3	19.4	6 20	18 43.05	-26 33.4	1.606	2.610	4.4	19.6
6 30	18 33.40	-17 52.7	1.393	2.407	2.3	19.2	6 30	18 33.50	-26 40.8	1.593	2.608	1.4	19.4
7 10	18 23.33	-18 10.6	1.391	2.392	5.6	19.4	7 10	18 24.00	-26 42.3	1.606	2.607	5.0	19.6
7 20	18 14.33	-18 31.6	1.414	2.376	10.2	19.6	7 20	18 15.69	-26 38.0	1.645	2.605	9.2	19.9
7 30	18 7.51	-18 54.5	1.459	2.361	14.5	19.8	7 30	18 9.52	-26 29.2	1.707	2.604	12.9	20.1
<b>475998</b>	2007 <i>RY</i> <sub>34</sub>		6 29.4 300°15	1°3/29.6	18		<b>384067</b>	2008 <i>UG</i> <sub>337</sub>		6 29.4 169°33	0°7/29.3	17	
5 21	19 0.19	-19 20.8	1.794	2.617	15.6	21.5	5 21	19 2.75	-24 20.6	2.212	3.022	13.5	22.3
5 31	18 57.03	-19 21.7	1.680	2.584	12.6	21.2	5 31	18 58.17	-24 36.5	2.126	3.024	10.7	22.1
6 10	18 51.20	-19 28.3	1.586	2.551	9.0	20.9	6 10	18 51.38	-24 54.0	2.063	3.026	7.4	21.9
6 20	18 43.08	-19 40.0	1.515	2.518	4.7	20.6	6 20	18 42.90	-25 10.9	2.025	3.028	3.7	21.7
6 30	18 33.42	-19 55.4	1.469	2.485	1.4	20.3	6 30	18 33.51	-25 25.2	2.014	3.030	0.8	21.5
7 10	18 23.37	-20 13.0	1.450	2.451	5.3	20.5	7 10	18 24.18	-25 35.5	2.031	3.031	4.2	21.7
7 20	18 14.15	-20 31.5	1.455	2.418	10.0	20.7	7 20	18 15.80	-25 41.2	2.075	3.032	7.8	21.9
7 30	18 6.90	-20 50.4	1.484	2.385	14.3	20.9	7 30	18 9.19	-25 43.2	2.144	3.032	11.1	22.2
<b>299920</b>	2006 <i>TZ</i> <sub>2</sub>		6 29.4 340°23	1°3/29.2	17		<b>115434</b>	Kellyfast		6 29.			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>410384</b>	2007 <i>VK</i> <sub>275</sub>		6 29.4 86°24	3°1/29.6	18		<b>262550</b>	2006 <i>VF</i> <sub>16</sub>		6 29.4 286°69	0°2/29.4	18	
5 21	19 0.69	-16 21.2	2.076	2.883	14.3	20.9	5 21	19 0.28	-23 44.9	2.118	2.935	13.8	21.2
5 31	18 56.47	-15 42.9	1.996	2.889	11.5	20.7	5 31	18 56.44	-23 44.3	2.022	2.924	10.9	20.9
6 10	18 50.14	-15 8.9	1.937	2.894	8.2	20.5	6 10	18 50.34	-23 45.0	1.948	2.914	7.6	20.7
6 20	18 42.25	-14 40.3	1.903	2.899	4.9	20.3	6 20	18 42.48	-23 45.5	1.899	2.903	3.8	20.5
6 30	18 33.56	-14 17.7	1.895	2.904	3.1	20.2	6 30	18 33.62	-23 44.3	1.876	2.893	0.3	20.1
7 10	18 25.01	-14 1.6	1.915	2.909	5.2	20.4	7 10	18 24.73	-23 40.8	1.881	2.882	4.3	20.5
7 20	18 17.45	-13 52.2	1.961	2.914	8.5	20.6	7 20	18 16.77	-23 34.9	1.912	2.872	8.2	20.7
7 30	18 11.59	-13 49.2	2.031	2.919	11.6	20.8	7 30	18 10.56	-23 27.3	1.968	2.862	11.6	20.9
<b>470369</b>	2007 <i>TN</i> <sub>88</sub>		6 29.4 242°26	2°4/29.8	18		<b>281819</b>	2009 <i>WS</i> <sub>250</sub>		6 29.4 120°62	3°2/29.6	18	
5 21	19 0.21	-15 51.9	2.300	3.101	13.3	21.8	5 21	19 4.07	-15 33.9	2.155	2.951	14.2	20.7
5 31	18 56.09	-15 42.9	2.201	3.090	10.7	21.6	5 31	18 58.92	-14 55.9	2.082	2.967	11.4	20.6
6 10	18 49.94	-15 39.6	2.122	3.078	7.7	21.4	6 10	18 51.70	-14 22.8	2.030	2.983	8.2	20.4
6 20	18 42.21	-15 42.2	2.069	3.066	4.4	21.2	6 20	18 43.00	-13 55.5	2.004	2.998	5.0	20.2
6 30	18 33.56	-15 50.1	2.043	3.054	2.4	21.0	6 30	18 33.60	-13 34.6	2.005	3.012	3.2	20.1
7 10	18 24.85	-16 2.8	2.045	3.042	4.6	21.2	7 10	18 24.40	-13 20.4	2.035	3.026	5.1	20.3
7 20	18 16.90	-16 19.2	2.074	3.029	8.0	21.4	7 20	18 16.25	-13 13.0	2.091	3.040	8.3	20.5
7 30	18 10.48	-16 38.7	2.128	3.015	11.2	21.5	7 30	18 9.83	-13 11.9	2.172	3.053	11.2	20.7
<b>495874</b>	2004 <i>RU</i> <sub>94</sub>		6 29.4 317°76	11°3/30.0	15		<b>434344</b>	2004 <i>RV</i> <sub>10</sub>		6 29.4 209°97	32°6/2.2	18	
5 21	18 55.05	+ 3 37.0	1.933	2.689	17.0	21.2	5 21	19 20.22	+37 44.7	1.220	1.765	33.8	22.9
5 31	18 52.50	+ 4 50.4	1.832	2.660	15.2	21.0	5 31	19 14.81	+40 17.9	1.168	1.759	33.4	22.8
6 10	18 47.77	+ 5 48.1	1.748	2.632	13.4	20.8	6 10	19 4.69	+42 9.7	1.120	1.750	33.1	22.6
6 20	18 41.26	+ 6 24.6	1.685	2.603	11.9	20.6	6 20	18 50.31	+43 4.7	1.076	1.738	32.8	22.5
6 30	18 33.62	+ 6 35.1	1.643	2.575	11.3	20.5	6 30	18 33.10	+42 47.0	1.038	1.723	32.6	22.4
7 10	18 25.75	+ 6 17.4	1.624	2.548	11.9	20.5	7 10	18 15.38	+41 7.1	1.006	1.706	32.7	22.3
7 20	18 18.59	+ 5 32.4	1.626	2.521	13.6	20.5	7 20	17 59.58	+38 3.6	0.983	1.686	33.1	22.3
7 30	18 13.03	+ 4 23.5	1.649	2.495	15.9	20.6	7 30	17 47.68	+33 44.9	0.970	1.664	33.9	22.3
<b>320548</b>	2008 <i>AR</i> <sub>30</sub>		6 29.4 187°03	3°6/29.1	17		<b>74617</b>	1999 <i>RP</i> <sub>23</sub>		6 29.4 251°53	3°6/28.9	18	
5 21	19 7.15	-31 3.9	1.669	2.490	16.7	21.7	5 21	19 6.78	-30 16.6	1.796	2.613	15.9	20.5
5 31	19 2.62	-31 27.7	1.588	2.490	13.4	21.5	5 31	19 2.42	-30 53.0	1.697	2.597	12.8	20.3
6 10	18 54.97	-31 48.5	1.528	2.489	9.6	21.2	6 10	18 55.01	-31 28.9	1.619	2.580	9.2	20.0
6 20	18 44.86	-32 1.8	1.490	2.489	5.7	21.0	6 20	18 45.03	-31 59.6	1.564	2.562	5.5	19.8
6 30	18 33.40	-32 3.4	1.478	2.488	3.6	20.9	6 30	18 33.45	-32 20.2	1.536	2.544	3.7	19.6
7 10	18 22.06	-31 51.8	1.493	2.487	6.3	21.0	7 10	18 21.66	-32 27.6	1.533	2.526	6.4	19.7
7 20	18 12.21	-31 28.2	1.532	2.485	10.3	21.3	7 20	18 11.05	-32 21.6	1.556	2.507	10.4	19.9
7 30	18 4.95	-30 56.1	1.594	2.484	14.1	21.5	7 30	18 2.85	-32 4.8	1.603	2.488	14.3	20.1
<b>215215</b>	2000 <i>TU</i> <sub>35</sub>		6 29.4 150°87	0°8/29.3	17		<b>420627</b>	2012 <i>HG</i> <sub>72</sub>		6 29.4 67°10	0°9/29.2	17	
5 21	19 7.69	-24 41.4	1.872	2.683	15.5	21.3	5 21	19 5.03	-21 9.3	1.475	2.304	18.1	20.8
5 31	19 2.40	-24 53.1	1.795	2.692	12.3	21.1	5 31	19 0.88	-22 4.6	1.415	2.323	14.3	20.6
6 10	18 54.46	-25 6.1	1.738	2.701	8.5	20.8	6 10	18 53.71	-23 7.5	1.375	2.343	9.8	20.4
6 20	18 44.48	-25 17.8	1.706	2.709	4.3	20.6	6 20	18 44.21	-24 13.5	1.358	2.363	4.8	20.1
6 30	18 33.46	-25 25.6	1.700	2.717	0.9	20.4	6 30	18 33.52	-25 17.1	1.366	2.382	0.9	19.9
7 10	18 22.60	-25 28.2	1.723	2.723	4.8	20.7	7 10	18 23.06	-26 13.6	1.401	2.402	5.5	20.3
7 20	18 13.02	-25 25.7	1.772	2.729	8.9	20.9	7 20	18 14.14	-27 0.5	1.460	2.422	10.0	20.6
7 30	18 5.64	-25 19.5	1.845	2.734	12.5	21.2	7 30	18 7.76	-27 37.6	1.542	2.441	14.0	20.9
<b>46284</b>	2001 <i>KU</i> <sub>33</sub>		6 29.4 269°03	6°5/29.8	18		<b>312688</b>	2010 <i>NK</i> <sub>45</sub>		6 29.4 293°30	5°4/28.2	18	
5 21	19 1.67	- 9 25.8	1.774	2.573	16.7	19.3	5 21	19 2.71	-36 42.2	2.232	3.037	13.5	20.8
5 31	18 57.95	- 8 35.8	1.672	2.552	14.0	19.0	5 31	18 58.70	-37 35.1	2.139	3.025	11.1	20.6
6 10	18 51.66	- 7 54.8	1.589	2.531	10.8	18.8	6 10	18 52.12	-38 23.9	2.068	3.013	8.5	20.5
6 20	18 43.26	- 7 25.7	1.529	2.509	7.9	18.6	6 20	18 43.47	-39 3.6	2.021	3.001	6.2	20.3
6 30	18 33.53	- 7 11.2	1.494	2.487	6.5	18.4	6 30	18 33.58	-39 29.8	2.000	2.989	5.5	20.2
7 10	18 23.58	- 7 12.5	1.484	2.465	8.1	18.5	7 10	18 23.60	-39 39.7	2.006	2.978	7.0	20.3
7 20	18 14.52	- 7 28.9	1.499	2.442	11.4	18.6	7 20	18 14.64	-39 33.5	2.036	2.966	9.6	20.4
7 30	18 7.40	- 7 58.6	1.536	2.418	15.0	18.8	7 30	18 7.69	-39 13.6	2.091	2.954	12.3	20.6
<b>146743</b>	2001 <i>XX</i> <sub>116</sub>		6 29.4 181°15	1°2/29.0	18		<b>106087</b>	2000 <i>SY</i> <sub>357</sub>		6 29.4 243°80	2°5/28.6	18	
5 21	19 1.16	-24 20.8	2.491	3.297	12.3	20.6	5 21	19 2.16	-27 34.1	2.472	3.277	12.4	19.8
5 31	18 56.77	-25 3.2	2.402	3.297	9.7	20.4	5 31	18 57.79	-28 30.9	2.373	3.268	9.8	19.6
6 10	18 50.38	-25 48.4	2.335	3.298	6.7	20.2	6 10	18 51.26	-29 29.9	2.298	3.258	6.9	19.4
6 20	18 42.43	-26 33.9	2.295	3.297	3.4	20.0	6 20	18 42.97	-30 27.5	2.249	3.248	4.0	19.2
6 30	18 33.60	-27 16.5	2.282	3.297	1.3	19.9	6 30	18 33.62	-31 19.8	2.228	3.238	2.6	19.1
7 10	18 24.72	-27 54.1	2.299	3.297	4.1	20.1	7 10	18 24.11	-32 3.8	2.236	3.228	4.8	19.2
7 20	18 16.63	-28 25.2	2.343	3.296	7.3	20.3	7 20	18 15.34	-32 38.0	2.272	3.217	7.9	19.4
7 30	18 10.06	-28 49.7	2.413	3.295	10.2	20.5	7 30	18 8.17	-33 2.4	2.332	3.206	10.8	19.5
<b>345965</b>	2007 <i>TS</i> <sub>49</sub>		6 29.4 301°37	2°2/29.1	18		<b>341198</b>	2007 <i>RJ</i> <sub>71</sub>		6 29.4 128°99	1°5/29.2	17	
5 21	19 1.39	-27 50.8	1.855	2.680	15.1	21.4	5 21	19 2.19	-25 55.3	1.967	2.786	14.6	20.8
5 31	18 57.80	-28 10.4	1.764	2.669	12.1	21.2	5 31	18 58.10	-26 17.9	1.884	2.787	11.6	20.6
6 10	18 51.56	-28 29.7	1.692	2.658	8.5	20.9	6 10	18 51.56	-26 41.7	1.823	2.788	8.0	20.4
6 20	18 43.17	-28 45.8	1.645	2.647	4.6	20.7	6 20	18 43.11	-27 3.8	1.786	2.789	4.2	20.2
6 30	18 33.55	-28 55.4	1.623	2.636	2.2	20.5	6 30	18 33.62	-27 21.5	1.776	2.791	1.5	20.0
7 10	18 23.88	-28 57.0	1.628	2.626	5.3	20.7	7 10	18 24.17	-27 33.0	1.792	2.792	4.8	20.2
7 20	18 15.33	-28 50.3	1.658	2.616	9.3	20.9	7 20	18 15.82	-27 37.8	1.835	2.793	8.6	20.4
7 30	18 8.88	-28 37.2	1.711	2.606	13.0	21.1	7 30	18 9.45	-27 37.1	1.902	2.794	12.1	20.7
<b>377604</b>	2005 <i>QY</i> <sub>164</sub>		6 29.4 274°43	0°3/29.5	17		<b></b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>96440</b>	1998 <i>FD</i> <sub>79</sub>		6 29.4 120°75	8°2/27.6	18		<b>1144</b>	Oda		6 29.4 271°66	3°0/30.2	18	R
5 21	19 10.23	-41 57.1	1.969	2.761	15.5	19.4	5 21	18 55.27	-11 46.7	3.028	3.814	10.8	15.9
5 31	19 5.18	-43 23.9	1.902	2.770	13.1	19.3	5 31	18 51.67	-11 38.5	2.930	3.806	8.7	15.7
6 10	18 56.86	-44 42.7	1.855	2.779	10.6	19.1	6 10	18 46.64	-11 36.8	2.854	3.799	6.5	15.6
6 20	18 45.90	-45 45.9	1.831	2.788	8.7	19.0	6 20	18 40.52	-11 42.0	2.803	3.791	4.2	15.4
6 30	18 33.44	-46 26.7	1.833	2.796	8.3	19.0	6 30	18 33.81	-11 53.9	2.781	3.783	3.0	15.3
7 10	18 21.05	-46 42.1	1.860	2.804	9.5	19.1	7 10	18 27.08	-12 12.0	2.786	3.775	4.2	15.4
7 20	18 10.20	-46 33.1	1.911	2.812	11.6	19.3	7 20	18 20.88	-12 35.5	2.819	3.767	6.5	15.5
7 30	18 2.08	-46 4.7	1.984	2.819	14.0	19.4	7 30	18 15.76	-13 3.0	2.878	3.759	8.8	15.7
<b>297548</b>	2001 <i>QH</i> <sub>155</sub>		6 29.4 305°40	2°9/29.3	18		<b>241094</b>	2006 <i>WO</i> <sub>51</sub>		6 29.4 335°32	3°0/28.7	18	
5 21	19 2.72	-31 19.5	1.903	2.723	15.0	20.6	5 21	18 59.44	-27 50.9	1.806	2.636	15.3	19.9
5 31	18 58.85	-31 23.1	1.807	2.709	12.1	20.4	5 31	18 56.41	-28 38.6	1.719	2.627	12.2	19.7
6 10	18 52.26	-31 22.4	1.733	2.695	8.6	20.1	6 10	18 50.71	-29 28.4	1.652	2.618	8.6	19.5
6 20	18 43.53	-31 14.3	1.682	2.681	5.0	19.9	6 20	18 42.83	-30 16.0	1.609	2.610	4.9	19.2
6 30	18 33.59	-30 56.1	1.657	2.668	3.0	19.7	6 30	18 33.66	-30 56.9	1.592	2.603	3.0	19.1
7 10	18 23.66	-30 27.3	1.658	2.654	5.5	19.9	7 10	18 24.40	-31 27.8	1.600	2.596	5.8	19.3
7 20	18 14.91	-29 49.3	1.685	2.641	9.4	20.1	7 20	18 16.22	-31 47.4	1.634	2.589	9.7	19.5
7 30	18 8.33	-29 5.4	1.736	2.629	13.0	20.3	7 30	18 10.18	-31 56.6	1.691	2.584	13.3	19.7
<b>515796</b>	2015 <i>LS</i> <sub>38</sub>		6 29.4 21°76	0°4/29.4	18		<b>179501</b>	2002 <i>CP</i> <sub>86</sub>		6 29.4 244°88	2°3/29.2	18	
5 21	19 1.82	-25 54.7	1.960	2.780	14.6	21.0	5 21	19 1.82	-29 53.2	2.375	3.184	12.7	20.5
5 31	18 57.66	-25 32.6	1.879	2.782	11.6	20.8	5 31	18 57.46	-30 6.1	2.283	3.178	10.1	20.4
6 10	18 51.13	-25 8.6	1.820	2.785	8.0	20.6	6 10	18 50.94	-30 16.8	2.213	3.173	7.2	20.2
6 20	18 42.83	-24 41.9	1.785	2.789	4.0	20.3	6 20	18 42.76	-30 22.7	2.168	3.167	4.0	20.0
6 30	18 33.65	-24 11.8	1.776	2.793	0.4	20.1	6 30	18 33.68	-30 21.7	2.151	3.162	2.3	19.8
7 10	18 24.65	-23 39.0	1.795	2.797	4.4	20.4	7 10	18 24.64	-30 12.8	2.161	3.156	4.6	20.0
7 20	18 16.82	-23 4.9	1.840	2.801	8.4	20.6	7 20	18 16.53	-29 56.6	2.199	3.150	7.7	20.2
7 30	18 10.93	-22 31.4	1.909	2.805	11.8	20.9	7 30	18 10.12	-29 34.8	2.261	3.145	10.7	20.3
<b>189613</b>	2000 <i>YD</i> <sub>100</sub>		6 29.4 300°64	5°8/30.6	18		<b>519549</b>	2012 <i>QL</i> <sub>53</sub>		6 29.4 317°85	6°7/30.5	16	
5 21	18 59.55	-8 27.3	1.680	2.485	17.3	19.7	5 21	18 56.69	-8 26.7	1.523	2.341	18.2	20.8
5 31	18 56.67	-8 19.7	1.567	2.452	14.5	19.4	5 31	18 54.43	-7 58.4	1.429	2.321	15.2	20.5
6 10	18 51.09	-8 27.1	1.472	2.418	11.2	19.2	6 10	18 49.49	-7 44.2	1.354	2.302	11.8	20.3
6 20	18 43.16	-8 52.1	1.399	2.384	7.8	18.9	6 20	18 42.30	-7 47.1	1.299	2.283	8.5	20.0
6 30	18 33.61	-9 35.7	1.349	2.350	5.8	18.7	6 30	18 33.70	-8 9.0	1.267	2.264	6.7	19.9
7 10	18 23.54	-10 36.6	1.326	2.316	7.5	18.7	7 10	18 24.89	-8 49.2	1.259	2.247	8.2	19.9
7 20	18 14.21	-11 51.4	1.326	2.282	11.4	18.8	7 20	18 17.07	-9 45.0	1.274	2.230	11.8	20.1
7 30	18 6.82	-13 15.5	1.349	2.248	15.6	19.0	7 30	18 11.36	-10 52.0	1.311	2.213	15.7	20.3
<b>248406</b>	2005 <i>SJ</i> <sub>105</sub>		6 29.4 262°80	3°3/28.6	18		<b>166301</b>	2002 <i>JJ</i> <sub>13</sub>		6 29.4 70°91	3°4/29.7	17	
5 21	19 1.75	-31 10.3	2.425	3.232	12.5	20.6	5 21	19 5.02	-16 52.1	1.375	2.204	19.2	20.1
5 31	18 57.55	-31 53.8	2.327	3.220	10.1	20.4	5 31	19 0.78	-16 20.3	1.317	2.223	15.3	19.9
6 10	18 51.13	-32 36.5	2.251	3.208	7.3	20.2	6 10	18 53.55	-15 56.0	1.278	2.241	10.9	19.7
6 20	18 42.91	-33 14.7	2.201	3.195	4.5	20.0	6 20	18 44.10	-15 39.6	1.261	2.260	6.2	19.5
6 30	18 33.63	-33 44.8	2.178	3.183	3.4	19.9	6 30	18 33.63	-15 31.5	1.268	2.279	3.4	19.3
7 10	18 24.24	-34 4.6	2.182	3.170	5.3	20.0	7 10	18 23.56	-15 30.9	1.299	2.298	6.3	19.6
7 20	18 15.68	-34 13.4	2.214	3.157	8.2	20.2	7 20	18 15.11	-15 37.2	1.355	2.317	10.7	19.9
7 30	18 8.80	-34 12.4	2.270	3.144	11.1	20.4	7 30	18 9.21	-15 49.2	1.433	2.335	14.6	20.1
<b>86592</b>	2000 <i>EW</i> <sub>64</sub>		6 29.4 344°41	4°8/29.9	17		<b>256637</b>	2007 <i>VA</i> <sub>306</sub>		6 29.4 9°86	2°3/29.4	17	
5 21	18 56.83	-15 28.2	1.070	1.929	21.4	19.2	5 21	19 2.16	-28 32.7	1.258	2.108	19.4	19.7
5 31	18 55.51	-14 52.7	0.998	1.921	17.4	18.9	5 31	18 59.41	-28 30.9	1.189	2.109	15.5	19.4
6 10	18 50.70	-14 27.3	0.943	1.914	12.7	18.6	6 10	18 53.14	-28 26.2	1.139	2.111	10.9	19.2
6 20	18 43.00	-14 14.2	0.907	1.908	7.7	18.3	6 20	18 44.10	-28 15.2	1.109	2.113	5.8	18.9
6 30	18 33.63	-14 14.6	0.892	1.903	4.8	18.2	6 30	18 33.63	-27 55.3	1.102	2.116	2.3	18.7
7 10	18 24.25	-14 28.0	0.898	1.899	7.9	18.3	7 10	18 23.42	-27 26.2	1.118	2.121	6.4	19.0
7 20	18 16.48	-14 52.5	0.925	1.896	13.0	18.6	7 20	18 15.00	-26 50.4	1.158	2.125	11.4	19.3
7 30	18 11.65	-15 25.2	0.970	1.894	17.9	18.9	7 30	18 9.55	-26 11.5	1.218	2.131	15.8	19.5
<b>183506</b>	2003 <i>FP</i> <sub>33</sub>		6 29.4 324°61	5°4/28.4	18		<b>243530</b>	2010 <i>DR</i> <sub>78</sub>		6 29.4 76°63	0°0/29.4	18	
5 21	19 2.00	-35 28.8	2.001	2.816	14.5	19.8	5 21	19 5.12	-24 53.8	1.878	2.694	15.3	20.3
5 31	18 58.36	-36 20.6	1.915	2.808	11.9	19.6	5 31	19 0.15	-24 30.0	1.811	2.712	12.1	20.1
6 10	18 52.00	-37 8.5	1.849	2.800	9.0	19.4	6 10	18 52.75	-24 5.3	1.765	2.730	8.3	19.9
6 20	18 43.44	-37 47.5	1.808	2.793	6.4	19.2	6 20	18 43.60	-23 38.9	1.743	2.747	4.1	19.7
6 30	18 33.62	-38 12.6	1.791	2.786	5.4	19.1	6 30	18 33.67	-23 10.2	1.748	2.765	0.2	19.4
7 10	18 23.75	-38 21.3	1.801	2.779	7.1	19.2	7 10	18 24.08	-22 39.9	1.781	2.782	4.5	19.8
7 20	18 15.04	-38 13.7	1.836	2.772	10.0	19.4	7 20	18 15.81	-22 9.4	1.840	2.800	8.4	20.0
7 30	18 8.50	-37 52.6	1.893	2.766	13.0	19.6	7 30	18 9.62	-21 40.4	1.924	2.817	11.9	20.3
<b>356634</b>	2011 <i>UC</i> <sub>38</sub>		6 29.4 102°66	3°8/28.8	17		<b>62025</b>	2000 <i>RQ</i> <sub>50</sub>		6 29.4 174°03	2°6/28.9	18	
5 21	19 2.80	-33 11.6	2.320	3.126	13.0	21.1	5 21	19 1.86	-30 19.1	2.615	3.418	11.8	18.9
5 31	18 58.31	-33 48.2	2.241	3.132	10.5	20.9	5 31	18 57.29	-30 50.7	2.528	3.419	9.4	18.7
6 10	18 51.55	-34 21.4	2.184	3.138	7.6	20.7	6 10	18 50.73	-31 20.9	2.463	3.420	6.7	18.5
6 20	18 43.06	-34 47.5	2.153	3.144	4.9	20.6	6 20	18 42.64	-31 46.8	2.425	3.421	4.0	18.4
6 30	18 33.65	-35 3.4	2.148	3.150	3.8	20.5	6 30	18 33.72	-32 5.6	2.414	3.422	2.6	18.3
7 10	18 24.34	-35 7.4	2.171	3.156	5.5	20.6	7 10	18 24.83	-32 16.0	2.432	3.422	4.5	18.4
7 20	18 16.07	-35 0.1	2.220	3.162	8.3	20.8	7 20	18 16.78	-32 17.8	2.477	3.423	7.3	18.6
7 30	18 9.64	-34 43.4	2.294	3.167	11.0	21.0	7 30	18 10.29	-32 12.1	2.547	3.423	10.0	18.7
<b>353884</b>	2012 <i>XP</i> <sub></sub>												



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>249216</b>	2008 <i>EU</i> <sub>73</sub>		6 29.4 319°24	4°5/30.5	18		<b>355545</b>	2008 <i>BK</i> <sub>21</sub>		6 29.5 157°33	0°6/29.6	17	
5 21	18 57.17	-10 6.5	2.021	2.822	14.9	20.2	5 21	19 0.45	-20 42.2	2.563	3.365	12.1	22.1
5 31	18 53.99	-9 59.5	1.928	2.812	12.2	20.0	5 31	18 56.02	-20 45.5	2.477	3.370	9.5	21.9
6 10	18 48.70	-10 3.6	1.855	2.802	9.2	19.8	6 10	18 49.77	-20 51.6	2.413	3.374	6.6	21.8
6 20	18 41.73	-10 19.8	1.806	2.793	6.2	19.6	6 20	18 42.16	-20 59.6	2.375	3.378	3.3	21.5
6 30	18 33.79	-10 48.2	1.782	2.784	4.5	19.5	6 30	18 33.84	-21 8.4	2.366	3.382	0.6	21.3
7 10	18 25.78	-11 27.4	1.785	2.775	5.9	19.5	7 10	18 25.57	-21 17.1	2.384	3.385	3.6	21.6
7 20	18 18.58	-12 15.0	1.813	2.767	9.0	19.7	7 20	18 18.09	-21 25.1	2.431	3.388	6.8	21.8
7 30	18 13.00	-13 8.3	1.866	2.758	12.2	19.9	7 30	18 12.03	-21 32.5	2.503	3.391	9.7	22.0
<b>449965</b>	2015 <i>PZ</i> <sub>4</sub>		6 29.4 279°71	6°1/30.8	18		<b>38756</b>	2000 <i>QG</i> <sub>228</sub>		6 29.5 217°85	4°1/30.1	18	
5 21	18 57.37	-4 51.4	2.314	3.089	14.0	21.7	5 21	19 1.83	-11 42.3	2.206	2.996	14.1	20.5
5 31	18 53.83	-4 27.7	2.217	3.077	11.8	21.5	5 31	18 57.44	-11 22.9	2.110	2.988	11.6	20.3
6 10	18 48.42	-4 15.9	2.141	3.065	9.4	21.3	6 10	18 50.97	-11 11.7	2.034	2.980	8.6	20.1
6 20	18 41.54	-4 17.9	2.088	3.053	7.2	21.2	6 20	18 42.85	-11 9.5	1.983	2.971	5.7	19.9
6 30	18 33.82	-4 35.0	2.060	3.041	6.1	21.1	6 30	18 33.79	-11 16.9	1.959	2.962	4.1	19.8
7 10	18 26.02	-5 6.6	2.059	3.029	7.0	21.1	7 10	18 24.67	-11 33.1	1.963	2.952	5.6	19.9
7 20	18 18.92	-5 51.0	2.083	3.017	9.2	21.2	7 20	18 16.36	-11 57.0	1.993	2.941	8.7	20.0
7 30	18 13.21	-6 45.3	2.132	3.005	11.7	21.3	7 30	18 9.64	-12 27.1	2.048	2.930	11.8	20.2
<b>272579</b>	2005 <i>VK</i> <sub>23</sub>		6 29.4 116°02	2°0/29.2	17		<b>387059</b>	2012 <i>TX</i> <sub>48</sub>		6 29.5 240°69	0°3/29.5	18	
5 21	19 4.83	-27 4.5	1.818	2.637	15.6	21.6	5 21	19 2.01	-22 21.0	2.030	2.845	14.4	22.1
5 31	19 0.36	-27 26.7	1.743	2.645	12.4	21.4	5 31	18 57.89	-22 21.2	1.939	2.839	11.4	21.9
6 10	18 53.21	-27 49.1	1.688	2.653	8.6	21.1	6 10	18 51.43	-22 23.7	1.868	2.833	7.9	21.7
6 20	18 43.98	-28 8.3	1.658	2.660	4.5	20.9	6 20	18 43.12	-22 27.3	1.822	2.826	4.0	21.4
6 30	18 33.68	-28 21.2	1.653	2.667	2.0	20.8	6 30	18 33.78	-22 30.5	1.803	2.819	0.3	21.1
7 10	18 23.53	-28 26.2	1.676	2.674	5.2	21.0	7 10	18 24.43	-22 32.2	1.811	2.812	4.4	21.4
7 20	18 14.66	-28 23.3	1.724	2.681	9.1	21.2	7 20	18 16.06	-22 32.4	1.845	2.805	8.4	21.7
7 30	18 8.01	-28 14.4	1.796	2.688	12.7	21.5	7 30	18 9.54	-22 31.4	1.904	2.798	12.0	21.9
<b>285084</b>	1992 <i>SY</i> <sub>10</sub>		6 29.4 294°91	7°5/30.4	18		<b>438725</b>	2008 <i>SU</i> <sub>242</sub>		6 29.5 125°70	5°7/28.3	17	
5 21	18 57.86	-4 17.2	1.994	2.776	15.7	20.7	5 21	19 8.77	-38 25.8	2.342	3.131	13.5	21.4
5 31	18 54.51	-3 29.2	1.903	2.765	13.4	20.5	5 31	19 3.17	-39 26.2	2.273	3.146	11.1	21.3
6 10	18 49.04	-2 53.7	1.832	2.755	10.8	20.3	6 10	18 55.01	-40 20.4	2.225	3.161	8.5	21.1
6 20	18 41.90	-2 33.8	1.784	2.744	8.6	20.1	6 20	18 44.86	-41 3.2	2.203	3.175	6.4	21.0
6 30	18 33.80	-2 32.0	1.759	2.734	7.5	20.1	6 30	18 33.69	-41 30.2	2.208	3.189	5.8	21.0
7 10	18 25.64	-2 48.6	1.760	2.724	8.4	20.1	7 10	18 22.65	-41 39.5	2.239	3.202	7.0	21.1
7 20	18 18.31	-3 22.1	1.785	2.714	10.7	20.2	7 20	18 12.84	-41 31.9	2.297	3.214	9.2	21.3
7 30	18 12.61	-4 9.5	1.833	2.704	13.4	20.4	7 30	18 5.15	-41 10.6	2.379	3.227	11.6	21.4
<b>202988</b>	1999 <i>VW</i> <sub>41</sub>		6 29.4 295°26	1°7/29.6	18		<b>139798</b>	2001 <i>RO</i> <sub>10</sub>		6 29.5 152°10	15°5/1.7	18	
5 21	19 0.74	-19 58.8	1.768	2.592	15.8	20.6	5 21	19 7.71	+5 10.0	1.238	2.004	24.2	20.1
5 31	18 57.36	-19 38.0	1.667	2.571	12.7	20.3	5 31	19 3.34	+6 58.0	1.180	2.013	21.6	19.9
6 10	18 51.36	-19 20.2	1.586	2.551	9.0	20.0	6 10	18 55.67	+8 20.6	1.136	2.021	18.9	19.8
6 20	18 43.19	-19 5.1	1.528	2.530	4.8	19.7	6 20	18 45.37	+9 8.6	1.109	2.028	16.6	19.6
6 30	18 33.72	-18 52.7	1.495	2.510	1.8	19.5	6 30	18 33.66	+9 14.8	1.101	2.034	15.5	19.6
7 10	18 24.09	-18 42.6	1.489	2.490	5.3	19.7	7 10	18 22.10	+8 38.4	1.114	2.039	16.1	19.7
7 20	18 15.46	-18 35.2	1.507	2.469	9.7	19.9	7 20	18 12.14	+7 24.1	1.146	2.043	17.9	19.8
7 30	18 8.85	-18 30.9	1.549	2.449	13.8	20.1	7 30	18 4.96	+5 41.2	1.196	2.046	20.4	20.0
<b>154515</b>	2003 <i>FM</i> <sub>62</sub>		6 29.4 179°49	6°1/30.7	18		<b>307275</b>	2002 <i>OD</i> <sub>23</sub>		6 29.5 67°42	5°1/30.4	17	
5 21	19 1.47	-6 18.7	2.041	2.820	15.5	20.3	5 21	19 18.48	-39 11.6	1.466	2.271	19.3	19.2
5 31	18 57.21	-5 53.6	1.956	2.821	12.9	20.2	5 31	19 11.65	-38 33.5	1.397	2.284	15.8	19.0
6 10	18 50.81	-5 40.9	1.892	2.822	10.1	20.0	6 10	19 1.05	-37 39.1	1.347	2.297	11.7	18.8
6 20	18 42.74	-5 42.7	1.851	2.822	7.5	19.8	6 20	18 47.78	-36 23.9	1.320	2.310	7.5	18.6
6 30	18 33.77	-5 59.7	1.835	2.822	6.1	19.7	6 30	18 33.54	-34 46.6	1.318	2.323	5.1	18.5
7 10	18 24.81	-6 31.2	1.846	2.822	7.2	19.8	7 10	18 20.23	-32 51.8	1.344	2.336	7.1	18.6
7 20	18 16.75	-7 14.9	1.883	2.821	9.7	20.0	7 20	18 9.34	-30 48.3	1.396	2.350	11.1	18.9
7 30	18 10.37	-8 7.8	1.943	2.819	12.6	20.1	7 30	18 1.81	-28 45.6	1.471	2.363	15.0	19.1
<b>121249</b>	1999 <i>RC</i> <sub>65</sub>		6 29.5 257°82	2°2/29.8	18		<b>164094</b>	2003 <i>WT</i> <sub>142</sub>		6 29.5 146°15	0°2/29.4	17	
5 21	19 0.96	-17 15.7	1.920	2.733	15.1	19.8	5 21	19 6.59	-23 10.8	1.898	2.709	15.4	21.1
5 31	18 57.15	-17 8.0	1.828	2.726	12.1	19.6	5 31	19 1.51	-23 16.2	1.821	2.718	12.2	20.9
6 10	18 50.97	-17 6.4	1.757	2.718	8.6	19.4	6 10	18 53.88	-23 23.7	1.764	2.727	8.4	20.7
6 20	18 42.91	-17 10.5	1.710	2.710	4.8	19.1	6 20	18 44.30	-23 31.2	1.732	2.736	4.2	20.5
6 30	18 33.76	-17 19.8	1.688	2.702	2.2	18.9	6 30	18 33.73	-23 36.9	1.727	2.743	0.3	20.1
7 10	18 24.57	-17 33.2	1.694	2.694	5.0	19.1	7 10	18 23.31	-23 39.4	1.749	2.750	4.6	20.5
7 20	18 16.35	-17 49.7	1.726	2.685	8.9	19.3	7 20	18 14.11	-23 38.9	1.799	2.757	8.7	20.8
7 30	18 9.97	-18 8.4	1.781	2.677	12.6	19.5	7 30	18 7.02	-23 36.1	1.872	2.763	12.3	21.0
<b>253903</b>	2004 <i>BN</i> <sub>124</sub>		6 29.5 155°98	0°9/29.4	17		<b>304306</b>	2006 <i>SF</i> <sub>141</sub>		6 29.5 301°43	6°4/30.6	18	
5 21	19 6.33	-24 50.4	1.878	2.691	15.4	21.9	5 21	18 57.77	-5 50.4	2.066	2.851	15.1	20.8
5 31	19 1.41	-25 1.3	1.798	2.697	12.2	21.7	5 31	18 54.36	-5 18.5	1.977	2.844	12.7	20.6
6 10	18 53.88	-25 13.3	1.739	2.703	8.4	21.4	6 10	18 48.89	-4 58.7	1.908	2.838	10.1	20.4
6 20	18 44.31	-25 24.0	1.704	2.708	4.2	21.2	6 20	18 41.84	-4 53.4	1.862	2.831	7.6	20.3
6 30	18 33.69	-25 31.0	1.697	2.713	0.9	21.0	6 30	18 33.88	-5 3.9	1.841	2.825	6.4	20.2
7 10	18 23.19	-25 32.9	1.716	2.717	4.8	21.3	7 10	18 25.89	-5 29.8	1.845	2.819	7.4	20.2
7 20	18 13.92	-25 29.8	1.762	2.720	8.9	21.5	7 20	18 18.72	-6 9.4	1.875	2.813	9.8	20.3
7 30	18 6.79	-25 23.0	1.833	2.724	12.5	21.7	7 30	18 13.12	-6 59.7	1.928	2.807	12.6	20.5
<b>316607</b>	2011 <i>WC</i> <sub>3</sub>		6 29.5 327°87	1°3/29.2	18		<b>471282</b>	2011 <i>FG</i> <sub>98</sub>		6			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>395858</b>	2013 AS <sub>4</sub>	6 29.5 137°72 0°2/29.5 18					<b>195586</b>	2002 JE <sub>121</sub>	6 29.5 182°40 4°1/30.6 18				
5 21	19 2.11	-24 27.5	2.390	3.197	12.7	21.9	5 21	19 1.60	-9 30.2	2.247	3.030	14.1	20.5
5 31	18 57.45	-24 19.0	2.307	3.202	10.0	21.7	5 31	18 57.18	-9 33.4	2.158	3.031	11.6	20.3
6 10	18 50.81	-24 10.4	2.246	3.208	6.9	21.5	6 10	18 50.75	-9 47.7	2.090	3.031	8.7	20.1
6 20	18 42.69	-24 0.7	2.210	3.214	3.4	21.3	6 20	18 42.76	-10 13.3	2.046	3.031	5.8	19.9
6 30	18 33.84	-23 48.9	2.202	3.219	0.3	21.0	6 30	18 33.90	-10 49.7	2.029	3.030	4.1	19.8
7 10	18 25.11	-23 34.9	2.223	3.224	3.8	21.3	7 10	18 25.02	-11 35.1	2.040	3.029	5.5	19.9
7 20	18 17.32	-23 19.1	2.272	3.229	7.2	21.6	7 20	18 16.94	-12 27.2	2.078	3.027	8.3	20.1
7 30	18 11.13	-23 2.5	2.345	3.234	10.2	21.8	7 30	18 10.41	-13 23.3	2.142	3.025	11.3	20.3
<b>249649</b>	1999 TC <sub>256</sub>	6 29.5 265°08 2°7/29.7 18					<b>506507</b>	2004 CB <sub>105</sub>	6 29.5 123°52 5°3/29.0 17				
5 21	19 3.94	-17 32.2	1.753	2.567	16.3	21.0	5 21	19 8.49	-39 31.2	2.440	3.225	13.1	22.2
5 31	18 59.97	-17 10.0	1.648	2.546	13.2	20.8	5 31	19 2.74	-40 2.6	2.368	3.239	10.8	22.1
6 10	18 53.25	-16 52.6	1.563	2.523	9.5	20.5	6 10	18 54.58	-40 26.2	2.318	3.252	8.3	22.0
6 20	18 44.22	-16 40.4	1.501	2.500	5.4	20.2	6 20	18 44.62	-40 37.9	2.292	3.265	6.1	21.8
6 30	18 33.74	-16 33.3	1.464	2.477	2.7	20.0	6 30	18 33.81	-40 34.4	2.294	3.278	5.3	21.8
7 10	18 23.01	-16 31.2	1.454	2.453	5.8	20.1	7 10	18 23.26	-40 15.1	2.322	3.290	6.5	21.9
7 20	18 13.24	-16 33.9	1.470	2.428	10.2	20.3	7 20	18 13.96	-39 41.6	2.378	3.302	8.7	22.1
7 30	18 5.56	-16 41.2	1.509	2.404	14.5	20.5	7 30	18 6.71	-38 57.4	2.458	3.313	11.0	22.2
<b>190563</b>	2000 SL <sub>123</sub>	6 29.5 297°92 8°8/30.2 17					<b>398217</b>	2010 OD <sub>16</sub>	6 29.5 248°86 1°8/29.9 18				
5 21	18 58.39	-4 19.6	1.695	2.489	17.6	19.9	5 21	18 58.79	-16 4.4	2.687	3.482	11.8	21.4
5 31	18 55.50	-3 21.9	1.597	2.467	15.1	19.7	5 31	18 54.77	-16 12.5	2.582	3.469	9.4	21.2
6 10	18 50.10	-2 37.2	1.518	2.445	12.4	19.5	6 10	18 49.01	-16 26.4	2.500	3.456	6.7	21.0
6 20	18 42.62	-2 10.2	1.460	2.423	9.9	19.3	6 20	18 41.89	-16 45.7	2.444	3.442	3.8	20.8
6 30	18 33.84	-2 4.5	1.425	2.401	8.8	19.2	6 30	18 33.96	-17 9.4	2.416	3.429	1.8	20.6
7 10	18 24.83	-2 21.6	1.413	2.380	9.9	19.2	7 10	18 25.95	-17 36.5	2.416	3.415	3.8	20.7
7 20	18 16.69	-3 0.0	1.425	2.358	12.6	19.3	7 20	18 18.55	-18 5.4	2.445	3.400	6.9	20.9
7 30	18 10.46	-3 56.3	1.458	2.337	15.8	19.4	7 30	18 12.43	-18 35.4	2.499	3.386	9.7	21.1
<b>376246</b>	2011 ES <sub>77</sub>	6 29.5 110°51 4°2/30.6 18					<b>118944</b>	2000 WU <sub>67</sub>	6 29.5 118°70 1°6/28.9 18				
5 21	19 4.92	-9 11.2	2.325	3.097	14.0	21.9	5 21	19 2.12	-25 31.0	2.564	3.367	12.0	19.5
5 31	18 59.38	-9 6.2	2.259	3.125	11.4	21.7	5 31	18 57.48	-26 20.0	2.484	3.378	9.5	19.3
6 10	18 51.97	-9 11.4	2.216	3.152	8.5	21.6	6 10	18 50.89	-27 11.0	2.428	3.389	6.6	19.2
6 20	18 43.21	-9 26.9	2.197	3.179	5.7	21.5	6 20	18 42.81	-28 1.0	2.398	3.399	3.5	19.0
6 30	18 33.83	-9 52.2	2.206	3.204	4.2	21.4	6 30	18 33.92	-28 46.9	2.396	3.409	1.7	18.9
7 10	18 24.67	-10 25.7	2.244	3.229	5.4	21.5	7 10	18 25.04	-29 26.2	2.424	3.419	4.1	19.1
7 20	18 16.47	-11 5.5	2.310	3.253	7.9	21.7	7 20	18 16.98	-29 57.9	2.479	3.429	7.1	19.3
7 30	18 9.85	-11 49.4	2.401	3.276	10.6	21.9	7 30	18 10.43	-30 22.0	2.560	3.439	9.8	19.5
<b>222636</b>	2001 XP <sub>121</sub>	6 29.5 241°77 0°6/29.5 18					<b>299825</b>	2006 SR <sub>166</sub>	6 29.5 243°07 2°6/29.8 18				
5 21	19 3.42	-21 31.5	1.963	2.776	14.8	21.6	5 21	19 0.17	-15 23.8	2.537	3.331	12.4	22.6
5 31	18 59.17	-21 30.4	1.866	2.765	11.8	21.4	5 31	18 55.93	-15 7.6	2.433	3.317	10.0	22.4
6 10	18 52.43	-21 32.4	1.789	2.753	8.3	21.1	6 10	18 49.85	-14 56.3	2.350	3.303	7.2	22.2
6 20	18 43.69	-21 36.2	1.737	2.741	4.2	20.9	6 20	18 42.31	-14 50.1	2.293	3.288	4.3	22.0
6 30	18 33.79	-21 40.3	1.712	2.728	0.6	20.6	6 30	18 33.94	-14 49.3	2.263	3.273	2.6	21.8
7 10	18 23.80	-21 43.6	1.714	2.715	4.6	20.8	7 10	18 25.50	-14 53.4	2.262	3.257	4.4	21.9
7 20	18 14.79	-21 45.9	1.742	2.702	8.8	21.1	7 20	18 17.73	-15 1.9	2.289	3.241	7.5	22.1
7 30	18 7.71	-21 47.4	1.795	2.688	12.6	21.3	7 30	18 11.33	-15 14.3	2.340	3.224	10.4	22.3
<b>89907</b>	2002 DT <sub>7</sub>	6 29.5 221°87 4°3/28.2 18					<b>135385</b>	2001 TE <sub>175</sub>	6 29.5 277°49 8°9/30.7 18				
5 21	19 6.50	-31 20.2	2.089	2.896	14.3	19.2	5 21	18 57.90	+0 28.8	2.147	2.903	15.5	19.9
5 31	19 1.83	-32 27.9	1.997	2.889	11.5	19.0	5 31	18 54.40	+1 26.0	2.057	2.893	13.5	19.8
6 10	18 54.43	-33 36.3	1.926	2.881	8.4	18.8	6 10	18 48.92	+2 9.0	1.987	2.883	11.4	19.6
6 20	18 44.78	-34 39.8	1.880	2.872	5.5	18.6	6 20	18 41.89	+2 34.2	1.939	2.873	9.7	19.5
6 30	18 33.73	-35 32.9	1.862	2.863	4.4	18.5	6 30	18 33.97	+2 38.6	1.914	2.864	8.9	19.4
7 10	18 22.47	-36 11.7	1.871	2.854	6.5	18.6	7 10	18 25.99	+2 21.5	1.914	2.854	9.5	19.4
7 20	18 12.23	-36 35.0	1.907	2.844	9.7	18.8	7 20	18 18.78	+1 44.4	1.938	2.844	11.2	19.5
7 30	18 4.07	-36 44.2	1.966	2.834	12.8	19.0	7 30	18 13.06	+0 50.6	1.984	2.834	13.4	19.6
<b>397151</b>	2005 WG <sub>211</sub>	6 29.5 262°81 2°8/29.5 18					<b>176744</b>	2002 RJ <sub>84</sub>	6 29.5 332°30 4°2/29.1 18				
5 21	19 0.06	-16 56.4	2.376	3.177	12.9	20.6	5 21	18 58.06	-30 14.4	1.169	2.030	19.9	19.5
5 31	18 55.85	-16 15.4	2.283	3.173	10.4	20.5	5 31	18 56.92	-30 39.6	1.087	2.012	16.1	19.2
6 10	18 49.74	-15 37.3	2.213	3.169	7.4	20.3	6 10	18 52.04	-31 2.9	1.022	1.995	11.6	18.9
6 20	18 42.20	-15 2.9	2.168	3.164	4.4	20.1	6 20	18 43.94	-31 19.1	0.976	1.979	6.8	18.5
6 30	18 33.91	-14 33.2	2.151	3.160	2.8	20.0	6 30	18 33.86	-31 22.6	0.953	1.964	4.2	18.3
7 10	18 25.67	-14 8.9	2.162	3.156	4.7	20.1	7 10	18 23.62	-31 10.5	0.951	1.951	7.8	18.5
7 20	18 18.24	-13 50.5	2.200	3.151	7.8	20.3	7 20	18 15.06	-30 43.8	0.970	1.938	12.9	18.7
7 30	18 12.30	-13 38.1	2.262	3.147	10.7	20.4	7 30	18 9.71	-30 6.5	1.009	1.928	17.8	19.0
<b>502759</b>	2015 DH <sub>66</sub>	6 29.5 217°68 0°7/29.4 17					<b>324959</b>	2007 YN <sub>66</sub>	6 29.5 194°96 0°3/29.5 17				
5 21	19 5.26	-23 52.8	1.952	2.764	14.9	23.0	5 21	19 5.90	-22 13.3	1.883	2.695	15.4	22.5
5 31	19 0.69	-24 10.1	1.858	2.757	11.9	22.8	5 31	19 1.17	-22 15.5	1.795	2.693	12.3	22.3
6 10	18 53.52	-24 30.0	1.786	2.749	8.3	22.5	6 10	18 53.82	-22 20.6	1.727	2.690	8.5	22.0
6 20	18 44.27	-24 50.0	1.737	2.741	4.2	22.3	6 20	18 44.42	-22 26.7	1.684	2.687	4.3	21.8
6 30	18 33.80	-25 7.6	1.716	2.732	0.8	22.0	6 30	18 33.86	-22 32.2	1.667	2.684	0.3	21.4
7 10	18 23.25	-25 20.7	1.722	2.723	4.8	22.3	7 10	18 23.32	-22 35.7	1.678	2.680	4.7	21.8
7 20	18 13.75	-25 28.7	1.755	2.713	8.9	22.5	7 20	18 13.91	-22 37.0	1.715	2.675	9.0	22.0
7 30	18 6.27	-25 32.3	1.812	2.702	12.7	22.7	7 30	18 6.58	-22 36.8	1.777	2.669	12.8	22.2
<b>158081</b>	2000 VP	6 29.5 255°03 2°6/29.7 18					<b>293214</b>	2007 BJ <sub>25</sub>	6 29.5 160°06 0°6/29.4 18				
5 21	19 1.87	-17 3.4	1.982	2.791	14.9	20.2	5 21	19 0.72	-24 40.5	3.004	3.801	10.6	22.9
5 31	18 57.86	-16 44.4	1.884	2.778	12.0	20.0	5 31	18 56.01	-24 51.9	2.916	3.807	8.3	22.7
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>144877</b>	2004 OS <sub>5</sub>	6 29.5 272°05	1.7°/29.9	18			<b>36640</b>	2000 QR <sub>184</sub>	6 29.5 174°37	0°5°/29.4	17		
5 21	18 58.95	-16 34.1	2.338	3.142	13.0	20.2	5 21	19 6.20	-22 27.9	1.657	2.477	16.8	19.4
5 31	18 55.19	-16 48.0	2.240	3.132	10.4	20.0	5 31	19 1.80	-22 52.8	1.576	2.479	13.4	19.1
6 10	18 49.47	-17 8.7	2.163	3.122	7.4	19.8	6 10	18 54.49	-23 22.7	1.515	2.480	9.3	18.9
6 20	18 42.18	-17 35.4	2.112	3.112	4.0	19.6	6 20	18 44.85	-23 54.6	1.477	2.482	4.6	18.6
6 30	18 33.99	-18 6.9	2.088	3.102	1.7	19.4	6 30	18 33.89	-24 24.9	1.466	2.482	0.6	18.3
7 10	18 25.72	-18 41.3	2.092	3.091	4.1	19.5	7 10	18 22.94	-24 50.8	1.481	2.482	5.2	18.7
7 20	18 18.16	-19 17.1	2.123	3.081	7.6	19.7	7 20	18 13.28	-25 11.1	1.522	2.482	9.8	18.9
7 30	18 12.09	-19 52.8	2.179	3.071	10.7	19.9	7 30	18 5.98	-25 26.2	1.585	2.481	13.8	19.2
<b>501785</b>	2014 VR <sub>18</sub>	6 29.5 186°38	3°7°/29.8	17			<b>315103</b>	2007 EX <sub>8</sub>	6 29.5 292°34	4°3°/28.8	18		
5 21	19 4.45	-15 52.4	1.549	2.368	17.9	21.7	5 21	19 2.13	-34 58.8	2.347	3.153	12.9	20.6
5 31	19 0.39	-15 22.8	1.469	2.368	14.4	21.4	5 31	18 58.04	-35 33.4	2.254	3.143	10.5	20.4
6 10	18 53.48	-15 0.3	1.408	2.368	10.4	21.2	6 10	18 51.60	-36 4.0	2.183	3.133	7.8	20.2
6 20	18 44.31	-14 45.7	1.370	2.367	6.2	20.9	6 20	18 43.31	-36 26.7	2.136	3.123	5.4	20.1
6 30	18 33.89	-14 39.4	1.356	2.367	3.7	20.8	6 30	18 33.97	-36 38.1	2.116	3.113	4.4	20.0
7 10	18 23.53	-14 41.2	1.369	2.366	6.3	20.9	7 10	18 24.61	-36 36.4	2.122	3.104	5.9	20.1
7 20	18 14.47	-14 50.2	1.405	2.364	10.6	21.2	7 20	18 16.21	-36 22.0	2.155	3.094	8.6	20.2
7 30	18 7.73	-15 5.5	1.465	2.363	14.6	21.4	7 30	18 9.64	-35 57.1	2.212	3.085	11.4	20.4
<b>124717</b>	2001 SG <sub>158</sub>	6 29.5 334°27	1°0°/29.5	17			<b>521153</b>	2015 FJ <sub>407</sub>	6 29.5 143°57	0°9°/29.3	17		
5 21	18 57.74	-25 38.7	1.034	1.904	21.2	19.4	5 21	19 4.06	-23 58.3	2.007	2.820	14.6	21.6
5 31	18 56.82	-25 31.0	0.958	1.890	17.1	19.1	5 31	18 59.54	-24 24.8	1.927	2.826	11.5	21.4
6 10	18 52.04	-25 23.2	0.898	1.876	12.0	18.8	6 10	18 52.60	-24 54.1	1.868	2.832	7.9	21.2
6 20	18 43.96	-25 12.7	0.857	1.864	6.1	18.4	6 20	18 43.78	-25 23.4	1.834	2.838	4.0	20.9
6 30	18 33.90	-24 57.1	0.836	1.853	1.0	18.0	6 30	18 33.96	-25 49.8	1.827	2.843	1.0	20.7
7 10	18 23.75	-24 35.5	0.837	1.843	6.9	18.4	7 10	18 24.19	-26 11.3	1.848	2.848	4.5	21.0
7 20	18 15.40	-24 9.4	0.859	1.834	13.0	18.6	7 20	18 15.51	-26 26.9	1.895	2.853	8.4	21.2
7 30	18 10.37	-23 41.9	0.898	1.827	18.4	18.9	7 30	18 8.76	-26 37.2	1.967	2.857	11.8	21.5
<b>71792</b>	2000 SD <sub>211</sub>	6 29.5 327°74	1°9°/29.9	18			<b>282638</b>	2005 TY <sub>11</sub>	6 29.5 277°12	0°4°/29.6	18		
5 21	18 58.39	-17 25.7	1.201	2.053	20.1	18.6	5 21	18 59.97	-21 26.3	2.352	3.161	12.8	21.5
5 31	18 56.67	-17 40.5	1.120	2.041	16.2	18.3	5 31	18 56.11	-21 32.4	2.245	3.142	10.2	21.3
6 10	18 51.60	-18 7.7	1.057	2.029	11.5	18.0	6 10	18 50.18	-21 41.7	2.160	3.123	7.1	21.1
6 20	18 43.65	-18 46.1	1.013	2.018	6.1	17.6	6 20	18 42.60	-21 52.9	2.100	3.103	3.6	20.8
6 30	18 33.92	-19 33.1	0.992	2.008	1.9	17.3	6 30	18 34.03	-22 4.6	2.067	3.084	0.4	20.5
7 10	18 23.99	-20 24.5	0.994	1.998	6.4	17.6	7 10	18 25.32	-22 15.8	2.063	3.064	4.0	20.8
7 20	18 15.46	-21 16.1	1.018	1.990	12.0	17.9	7 20	18 17.34	-22 25.6	2.085	3.044	7.6	21.0
7 30	18 9.74	-22 5.1	1.062	1.982	17.0	18.1	7 30	18 10.89	-22 34.1	2.133	3.024	11.0	21.1
<b>207167</b>	2005 CR <sub>52</sub>	6 29.5 270°69	3°5°/30.3	18			<b>387252</b>	2012 UY <sub>87</sub>	6 29.5 287°46	2°1°/29.7	18		
5 21	19 1.68	-12 2.3	2.143	2.937	14.4	20.6	5 21	19 0.71	-18 40.7	1.919	2.735	15.0	20.8
5 31	18 57.69	-12 6.5	2.029	2.911	11.8	20.4	5 31	18 57.00	-18 20.5	1.828	2.727	12.0	20.6
6 10	18 51.44	-12 20.8	1.936	2.885	8.7	20.1	6 10	18 50.92	-18 4.3	1.757	2.719	8.5	20.4
6 20	18 43.30	-12 45.9	1.866	2.858	5.5	19.9	6 20	18 42.98	-17 52.0	1.711	2.712	4.7	20.1
6 30	18 33.94	-13 21.2	1.824	2.831	3.5	19.7	6 30	18 34.01	-17 43.5	1.690	2.704	2.1	19.9
7 10	18 24.29	-14 5.1	1.809	2.803	5.4	19.8	7 10	18 25.02	-17 38.7	1.696	2.696	4.9	20.1
7 20	18 15.30	-14 55.3	1.821	2.775	8.9	19.9	7 20	18 17.02	-17 37.2	1.728	2.688	8.9	20.3
7 30	18 7.89	-15 49.3	1.858	2.746	12.5	20.1	7 30	18 10.87	-17 39.2	1.784	2.681	12.5	20.5
<b>442526</b>	2011 WG <sub>104</sub>	6 29.5 221°53	3°0°/29.1	18			<b>48387</b>	1979 MM <sub>2</sub>	6 29.5 334°79	1°3°/29.5	18		
5 21	19 2.72	-31 39.3	2.328	3.135	13.0	21.6	5 21	19 1.18	-22 13.8	1.358	2.201	18.6	19.1
5 31	18 58.29	-31 57.6	2.240	3.133	10.4	21.4	5 31	18 58.40	-21 44.2	1.277	2.194	14.9	18.9
6 10	18 51.63	-32 12.8	2.174	3.131	7.4	21.2	6 10	18 52.44	-21 15.8	1.215	2.187	10.4	18.6
6 20	18 43.25	-32 22.0	2.133	3.129	4.5	21.0	6 20	18 43.91	-20 48.2	1.175	2.180	5.4	18.3
6 30	18 33.96	-32 22.5	2.120	3.127	3.0	20.9	6 30	18 33.96	-20 21.5	1.158	2.174	1.3	18.0
7 10	18 24.73	-32 13.4	2.133	3.125	5.0	21.0	7 10	18 24.05	-19 56.2	1.165	2.169	5.9	18.3
7 20	18 16.49	-31 55.3	2.174	3.123	8.0	21.2	7 20	18 15.61	-19 33.5	1.196	2.164	11.0	18.6
7 30	18 10.03	-31 30.2	2.239	3.121	10.9	21.4	7 30	18 9.79	-19 14.8	1.248	2.160	15.6	18.8
<b>8851</b>	1990 XB	6 29.5 182°28	2°3°/28.9	18			<b>299792</b>	2006 SY <sub>93</sub>	6 29.5 331°14	0°7°/29.4	18		
5 21	19 1.82	-28 1.5	2.454	3.260	12.4	17.6	5 21	19 0.84	-24 9.5	2.117	2.933	13.8	21.2
5 31	18 57.47	-28 42.0	2.366	3.261	9.8	17.4	5 31	18 56.92	-24 23.1	2.031	2.932	10.9	21.0
6 10	18 51.03	-29 23.1	2.301	3.261	6.9	17.2	6 10	18 50.75	-24 38.5	1.967	2.932	7.5	20.7
6 20	18 42.96	-30 1.5	2.261	3.261	3.9	17.0	6 20	18 42.86	-24 53.8	1.927	2.931	3.8	20.5
6 30	18 33.98	-30 34.2	2.249	3.260	2.3	16.9	6 30	18 34.03	-25 6.8	1.914	2.930	0.7	20.3
7 10	18 24.97	-30 59.2	2.266	3.260	4.5	17.0	7 10	18 25.22	-25 16.2	1.929	2.930	4.3	20.5
7 20	18 16.81	-31 15.7	2.310	3.259	7.6	17.2	7 20	18 17.38	-25 21.6	1.970	2.929	8.0	20.8
7 30	18 10.25	-31 24.3	2.379	3.258	10.5	17.4	7 30	18 11.30	-25 23.5	2.036	2.929	11.3	21.0
<b>282109</b>	2000 WL <sub>67</sub>	6 29.5 211°58	12°6°/27.4	18			<b>249398</b>	2009 BP <sub>150</sub>	6 29.5 63°81	2°2°/29.7	17		
5 21	19 10.11	- 7 7.6	1.219	2.026	22.4	20.2	5 21	19 3.99	-19 11.7	1.340	2.176	19.2	20.2
5 31	19 5.50	- 4 24.6	1.145	2.023	19.2	20.0	5 31	19 0.40	-18 52.8	1.272	2.183	15.3	20.0
6 10	18 57.38	- 1 47.1	1.090	2.019	15.9	19.8	6 10	18 53.65	-18 39.8	1.223	2.191	10.8	19.7
6 20	18 46.39	+ 0 34.3	1.056	2.015	13.3	19.6	6 20	18 44.43	-18 32.3	1.195	2.199	5.8	19.5
6 30	18 33.79	+ 2 28.3	1.045	2.010	12.6	19.6	6 30	18 33.94	-18 29.4	1.192	2.206	2.2	19.2
7 10	18 21.24	+ 3 46.9	1.056	2.004	14.4	19.6	7 10	18 23.68	-18 30.5	1.212	2.214	6.0	19.5
7 20	18 10.33	+ 4 27.6	1.088	1.998	17.6	19.8	7 20	18 14.99	-18 35.0	1.257	2.223	10.9	19.8
7 30	18 2.34	+ 4 33.5	1.138	1.992	21.0	20.0	7 30	18 8.96	-18 42.4	1.323	2.231	15.2	20.1
<b>390746</b>	2003 SC <sub>166</sub>	6 29.5 295°61	3°7°/30.0	18			<b>93029</b>	2000 RU <sub>98</sub>	6 29.5 15°61	5°2°/29.3	17		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>312425</b>	2008 <i>GE</i> <sub>88</sub>		6 29.5 322°21	5°1/28.4	18		<b>122539</b>	2000 <i>QN</i> <sub>220</sub>		6 29.5 221°57	0°8/29.4	18	
5 21	19 2.26	-35 9.8	2.156	2.966	13.8	20.6	5 21	19 4.64	-25 7.5	2.149	2.957	13.9	20.4
5 31	18 58.41	-36 3.7	2.070	2.960	11.2	20.4	5 31	18 59.98	-25 15.9	2.052	2.948	11.1	20.2
6 10	18 52.03	-36 54.4	2.005	2.955	8.5	20.2	6 10	18 52.94	-25 25.1	1.977	2.940	7.7	20.0
6 20	18 43.60	-37 36.8	1.965	2.949	6.0	20.1	6 20	18 44.02	-25 33.0	1.927	2.930	3.9	19.7
6 30	18 33.99	-38 6.5	1.950	2.944	5.1	20.0	6 30	18 34.02	-25 37.4	1.904	2.920	0.9	19.5
7 10	18 24.34	-38 21.0	1.962	2.939	6.7	20.1	7 10	18 23.98	-25 37.2	1.910	2.910	4.4	19.7
7 20	18 15.73	-38 20.2	2.000	2.934	9.4	20.3	7 20	18 14.90	-25 32.4	1.942	2.899	8.3	19.9
7 30	18 9.13	-38 6.2	2.060	2.930	12.2	20.4	7 30	18 7.66	-25 24.0	1.999	2.888	11.7	20.1
<b>177719</b>	2005 <i>GD</i> <sub>167</sub>		6 29.5 3°05	3°2/29.0	17		<b>371551</b>	2006 <i>VC</i> <sub>16</sub>		6 29.5 306°54	3°8/28.9	17	
5 21	18 59.83	-26 53.8	1.198	2.055	19.8	19.6	5 21	19 1.73	-28 49.3	1.381	2.225	18.3	20.9
5 31	18 57.92	-27 36.8	1.130	2.054	15.8	19.4	5 31	18 59.46	-29 29.4	1.286	2.202	14.9	20.6
6 10	18 52.45	-28 22.8	1.080	2.054	11.1	19.1	6 10	18 53.70	-30 11.7	1.209	2.178	10.7	20.3
6 20	18 44.04	-29 6.6	1.050	2.054	6.1	18.8	6 20	18 44.85	-30 50.9	1.154	2.155	6.2	20.0
6 30	18 33.97	-29 42.1	1.043	2.056	3.2	18.7	6 30	18 33.96	-31 21.0	1.121	2.133	3.9	19.8
7 10	18 23.96	-30 5.2	1.058	2.059	7.0	18.9	7 10	18 22.68	-31 37.3	1.113	2.110	7.4	19.9
7 20	18 15.68	-30 15.1	1.096	2.062	12.0	19.2	7 20	18 12.72	-31 38.8	1.127	2.089	12.3	20.1
7 30	18 10.41	-30 13.9	1.153	2.067	16.5	19.5	7 30	18 5.65	-31 27.5	1.162	2.067	17.0	20.3
<b>477144</b>	2009 <i>DW</i> <sub>39</sub>		6 29.5 245°35	1°3/29.3	18		<b>187634</b>	2007 <i>CE</i>		6 29.5 204°91	2°8/30.2	18	
5 21	19 3.36	-26 24.0	2.332	3.138	13.0	22.3	5 21	18 58.83	-12 45.7	2.919	3.701	11.2	21.8
5 31	18 58.84	-26 35.5	2.228	3.124	10.4	22.1	5 31	18 54.59	-12 42.2	2.820	3.696	9.1	21.6
6 10	18 52.10	-26 47.1	2.147	3.108	7.2	21.9	6 10	18 48.79	-12 45.1	2.745	3.691	6.6	21.4
6 20	18 43.58	-26 56.7	2.090	3.093	3.8	21.6	6 20	18 41.80	-12 54.4	2.695	3.685	4.2	21.3
6 30	18 34.01	-27 2.0	2.062	3.077	1.3	21.4	6 30	18 34.15	-13 10.0	2.674	3.679	2.8	21.2
7 10	18 24.35	-27 1.9	2.061	3.060	4.3	21.6	7 10	18 26.48	-13 31.1	2.681	3.673	4.1	21.2
7 20	18 15.53	-26 56.2	2.088	3.043	7.9	21.8	7 20	18 19.39	-13 56.5	2.717	3.666	6.6	21.4
7 30	18 8.40	-26 46.1	2.140	3.026	11.2	21.9	7 30	18 13.46	-14 25.3	2.779	3.659	9.1	21.5
<b>106463</b>	2000 <i>WR</i> <sub>4</sub>		6 29.5 132°03	0°2/29.5	18		<b>116444</b>	2003 <i>YZ</i> <sub>172</sub>		6 29.5 303°73	5°4/29.5	18	
5 21	19 1.74	-23 48.4	2.420	3.226	12.6	20.2	5 21	19 6.57	-37 4.2	1.743	2.557	16.4	19.0
5 31	18 57.18	-23 32.5	2.335	3.231	9.9	20.0	5 31	19 2.50	-37 15.6	1.648	2.541	13.5	18.8
6 10	18 50.68	-23 16.5	2.273	3.235	6.8	19.8	6 10	18 55.21	-37 18.3	1.574	2.525	10.2	18.6
6 20	18 42.73	-22 59.7	2.236	3.240	3.4	19.6	6 20	18 45.32	-37 7.2	1.521	2.509	7.0	18.3
6 30	18 34.07	-22 41.6	2.227	3.244	0.2	19.4	6 30	18 33.96	-36 38.0	1.494	2.494	5.5	18.2
7 10	18 25.53	-22 22.3	2.247	3.248	3.8	19.7	7 10	18 22.64	-35 49.9	1.492	2.479	7.3	18.3
7 20	18 17.89	-22 2.2	2.294	3.252	7.1	19.9	7 20	18 12.80	-34 45.8	1.515	2.464	10.8	18.4
7 30	18 11.82	-21 42.5	2.366	3.256	10.1	20.1	7 30	18 5.60	-33 31.3	1.561	2.449	14.5	18.6
<b>511913</b>	2015 <i>HA</i> <sub>88</sub>		6 29.5 184°56	1°7/29.2	18		<b>358870</b>	2008 <i>FE</i> <sub>119</sub>		6 29.5 351°08	5°0/28.4	18	
5 21	19 4.23	-26 5.2	2.167	2.976	13.8	22.0	5 21	19 2.13	-34 38.8	2.076	2.889	14.1	20.5
5 31	18 59.62	-26 35.8	2.079	2.976	10.9	21.8	5 31	18 58.37	-35 33.1	1.994	2.887	11.5	20.3
6 10	18 52.66	-27 8.0	2.014	2.976	7.6	21.6	6 10	18 52.03	-36 24.2	1.934	2.885	8.6	20.1
6 20	18 43.85	-27 38.5	1.973	2.975	4.0	21.4	6 20	18 43.62	-37 7.1	1.897	2.884	6.0	20.0
6 30	18 34.02	-28 4.4	1.960	2.974	1.7	21.2	6 30	18 34.05	-37 37.3	1.887	2.882	5.1	19.9
7 10	18 24.17	-28 23.6	1.975	2.973	4.6	21.4	7 10	18 24.47	-37 52.2	1.902	2.881	6.7	20.0
7 20	18 15.31	-28 35.5	2.017	2.971	8.2	21.7	7 20	18 15.99	-37 51.8	1.944	2.881	9.5	20.2
7 30	18 8.28	-28 40.7	2.083	2.969	11.5	21.9	7 30	18 9.58	-37 38.4	2.008	2.880	12.4	20.4
<b>392020</b>	2009 <i>AV</i> <sub>49</sub>		6 29.5 23°57	2°1/29.4	16		<b>207728</b>	2007 <i>RE</i> <sub>172</sub>		6 29.5 204°57	0°9/29.7	18	
5 21	19 3.74	-29 28.2	1.918	2.736	15.0	20.3	5 21	19 1.75	-19 23.6	2.407	3.208	12.8	21.4
5 31	18 59.46	-29 25.1	1.836	2.737	11.9	20.1	5 31	18 57.32	-19 31.0	2.312	3.204	10.2	21.2
6 10	18 52.62	-29 18.7	1.775	2.738	8.4	19.9	6 10	18 50.90	-19 42.6	2.240	3.199	7.1	21.0
6 20	18 43.82	-29 6.5	1.739	2.740	4.5	19.7	6 20	18 42.93	-19 57.5	2.192	3.194	3.7	20.8
6 30	18 34.03	-28 46.7	1.728	2.742	2.1	19.5	6 30	18 34.10	-20 14.2	2.173	3.189	1.0	20.6
7 10	18 24.40	-28 19.2	1.745	2.744	5.0	19.7	7 10	18 25.23	-20 31.6	2.183	3.183	3.9	20.8
7 20	18 16.00	-27 45.5	1.788	2.746	8.8	20.0	7 20	18 17.15	-20 48.7	2.220	3.177	7.4	21.0
7 30	18 9.71	-27 8.3	1.854	2.748	12.2	20.2	7 30	18 10.58	-21 5.2	2.282	3.170	10.5	21.2
<b>476132</b>	2007 <i>TP</i> <sub>237</sub>		6 29.5 294°92	1°3/29.6	18		<b>193695</b>	2001 <i>FU</i> <sub>29</sub>		6 29.5 138°12	3°5/29.9	18	
5 21	19 0.45	-20 18.4	1.895	2.715	15.0	21.6	5 21	19 2.93	-13 7.0	2.442	3.226	13.1	20.8
5 31	18 56.98	-20 4.7	1.795	2.698	12.0	21.4	5 31	18 57.92	-12 36.7	2.363	3.240	10.6	20.7
6 10	18 51.06	-19 54.3	1.716	2.681	8.5	21.1	6 10	18 51.09	-12 12.4	2.307	3.253	7.7	20.5
6 20	18 43.14	-19 46.5	1.661	2.664	4.5	20.8	6 20	18 42.92	-11 54.9	2.276	3.265	5.0	20.4
6 30	18 34.06	-19 40.7	1.631	2.647	1.4	20.6	6 30	18 34.10	-11 44.9	2.274	3.276	3.5	20.3
7 10	18 24.85	-19 36.6	1.628	2.630	4.8	20.8	7 10	18 25.42	-11 42.1	2.299	3.287	5.0	20.4
7 20	18 16.59	-19 34.0	1.651	2.613	9.0	21.0	7 20	18 17.59	-11 46.1	2.352	3.298	7.7	20.6
7 30	18 10.22	-19 33.1	1.698	2.597	12.9	21.2	7 30	18 11.25	-11 56.1	2.431	3.307	10.4	20.8
<b>508409</b>	2016 <i>HQ</i> <sub>10</sub>		6 29.5 344°63	3°3/30.2	17		<b>371613</b>	2006 <i>XC</i> <sub>40</sub>		6 29.5 148°78	0°1/29.5	17	
5 21	18 56.12	-15 9.3	1.176	2.030	20.3	20.8	5 21	19 5.46	-22 24.8	1.894	2.706	15.3	22.2
5 31	18 54.81	-15 11.4	1.100	2.020	16.5	20.5	5 31	19 0.71	-22 29.3	1.815	2.714	12.1	22.0
6 10	18 50.25	-15 27.2	1.041	2.011	11.9	20.2	6 10	18 53.45	-22 36.5	1.757	2.720	8.4	21.8
6 20	18 42.97	-15 56.9	1.002	2.004	6.8	19.9	6 20	18 44.25	-22 44.6	1.722	2.726	4.2	21.5
6 30	18 34.07	-16 39.0	0.984	1.997	3.3	19.7	6 30	18 34.04	-22 51.8	1.715	2.732	0.2	21.2
7 10	18 25.05	-17 29.9	0.989	1.992	6.7	19.9	7 10	18 23.94	-22 56.8	1.735	2.737	4.6	21.6
7 20	18 17.46	-18 25.5	1.016	1.988	11.9	20.1	7 20	18 15.01	-22 59.4	1.782	2.742	8.7	21.8
7 30	18 12.57	-19 21.9	1.062	1.985	16.7	20.4	7 30	18 8.14	-23 0.2	1.853	2.746	12.3	22.1
<b>399875</b>	2005 <i>VM</i> <sub>43</sub>		6 29.5										

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>297788</b>	2001 YZ <sub>12</sub>		6 29.5 140°53	0°7/29.6	18		<b>474275</b>	2001 TL <sub>251</sub>		6 29.5 267°02	3°2/30.0	16	
5 21	19 1.14	-20 49.8	2.697	3.495	11.6	21.9	5 21	18 59.91	-13 44.6	2.348	3.144	13.2	23.3
5 31	18 56.47	-20 45.5	2.614	3.504	9.2	21.7	5 31	18 56.00	-13 31.1	2.240	3.124	10.8	23.1
6 10	18 50.08	-20 43.4	2.554	3.514	6.4	21.6	6 10	18 50.11	-13 24.3	2.153	3.104	7.9	22.9
6 20	18 42.43	-20 42.7	2.520	3.523	3.2	21.4	6 20	18 42.63	-13 24.7	2.091	3.084	4.9	22.7
6 30	18 34.14	-20 42.7	2.515	3.531	0.7	21.2	6 30	18 34.18	-13 32.4	2.056	3.063	3.2	22.5
7 10	18 25.95	-20 42.8	2.539	3.539	3.5	21.4	7 10	18 25.59	-13 47.0	2.049	3.042	5.0	22.6
7 20	18 18.54	-20 43.0	2.591	3.547	6.5	21.6	7 20	18 17.67	-14 7.3	2.068	3.021	8.1	22.7
7 30	18 12.50	-20 43.3	2.669	3.554	9.2	21.8	7 30	18 11.19	-14 32.4	2.113	3.000	11.3	22.9
<b>504621</b>	2008 UQ <sub>323</sub>		6 29.5 186°08	1°8/29.7	18		<b>288914</b>	2004 SX		6 29.5 214°98	11°6/30.5	18	
5 21	19 3.03	-18 4.9	2.661	3.451	12.0	22.6	5 21	19 10.73	+ 0 44.4	1.563	2.318	20.4	22.8
5 31	18 58.00	-17 45.2	2.566	3.451	9.6	22.5	5 31	19 5.58	+ 1 57.7	1.471	2.307	17.9	22.6
6 10	18 51.18	-17 28.5	2.495	3.450	6.8	22.3	6 10	18 57.34	+ 2 53.8	1.397	2.295	15.2	22.4
6 20	18 43.01	-17 14.6	2.450	3.448	3.8	22.1	6 20	18 46.49	+ 3 26.1	1.342	2.282	12.7	22.2
6 30	18 34.13	-17 3.5	2.434	3.446	1.8	21.9	6 30	18 33.98	+ 3 29.1	1.311	2.266	11.6	22.1
7 10	18 25.28	-16 55.1	2.446	3.443	3.9	22.1	7 10	18 21.17	+ 3 0.8	1.304	2.249	12.6	22.1
7 20	18 17.19	-16 49.4	2.488	3.440	7.0	22.3	7 20	18 9.47	+ 2 3.5	1.320	2.230	15.2	22.2
7 30	18 10.49	-16 46.4	2.555	3.436	9.8	22.5	7 30	18 0.11	+ 0 43.1	1.357	2.209	18.3	22.3
<b>383907</b>	2008 SP <sub>79</sub>		6 29.5 113°07	8°5/28.6	18		<b>88089</b>	2000 WD <sub>48</sub>		6 29.5 252°74	1°3/29.9	18	
5 21	19 10.05	-43 26.2	1.859	2.653	16.3	20.7	5 21	18 59.52	-17 24.6	2.531	3.330	12.3	19.9
5 31	19 5.32	-44 26.3	1.786	2.654	13.8	20.6	5 31	18 55.54	-17 40.0	2.428	3.318	9.8	19.7
6 10	18 57.17	-45 16.1	1.732	2.656	11.2	20.4	6 10	18 49.70	-18 1.4	2.348	3.306	6.9	19.5
6 20	18 46.29	-45 48.3	1.700	2.658	9.2	20.3	6 20	18 42.38	-18 27.9	2.294	3.294	3.7	19.2
6 30	18 33.95	-45 56.7	1.693	2.660	8.5	20.3	6 30	18 34.20	-18 58.0	2.267	3.282	1.3	19.0
7 10	18 21.78	-45 39.2	1.710	2.662	9.7	20.3	7 10	18 25.91	-19 30.1	2.269	3.269	3.8	19.2
7 20	18 11.33	-44 58.1	1.751	2.663	11.9	20.5	7 20	18 18.28	-20 2.8	2.298	3.256	7.1	19.4
7 30	18 3.75	-43 59.3	1.814	2.665	14.5	20.6	7 30	18 12.02	-20 34.9	2.354	3.243	10.2	19.6
<b>284066</b>	2005 EG <sub>80</sub>		6 29.5 135°28	4°8/30.9	18		<b>506280</b>	2016 TN <sub>49</sub>		6 29.5 83°69	3°5/29.7	18	
5 21	19 0.88	- 7 29.6	2.282	3.059	14.1	20.8	5 21	18 59.45	-14 12.1	2.397	3.194	13.0	20.8
5 31	18 56.54	- 7 27.3	2.201	3.067	11.6	20.7	5 31	18 55.34	-13 30.8	2.313	3.197	10.5	20.6
6 10	18 50.29	- 7 36.8	2.141	3.076	8.9	20.5	6 10	18 49.43	-12 54.4	2.250	3.200	7.7	20.4
6 20	18 42.60	- 7 58.7	2.106	3.084	6.2	20.3	6 20	18 42.17	-12 24.0	2.213	3.203	4.9	20.3
6 30	18 34.15	- 8 32.7	2.097	3.091	4.8	20.3	6 30	18 34.22	-12 0.6	2.202	3.206	3.5	20.2
7 10	18 25.75	- 9 17.2	2.116	3.099	5.8	20.3	7 10	18 26.35	-11 44.7	2.220	3.209	5.0	20.3
7 20	18 18.17	-10 9.6	2.162	3.106	8.3	20.5	7 20	18 19.29	-11 36.4	2.264	3.212	7.8	20.5
7 30	18 12.09	-11 7.2	2.232	3.112	11.0	20.7	7 30	18 13.67	-11 35.1	2.333	3.215	10.5	20.6
<b>514554</b>	2017 WT <sub>5</sub>		6 29.5 200°55	1°6/29.2	18		<b>93367</b>	2000 SK <sub>268</sub>		6 29.5 240°77	0°0/29.5	18	
5 21	19 4.82	-26 49.5	2.503	3.302	12.4	22.5	5 21	19 3.35	-22 5.3	2.103	2.912	14.1	21.0
5 31	18 59.79	-27 15.6	2.407	3.298	9.9	22.3	5 31	18 59.06	-22 17.8	2.003	2.900	11.2	20.8
6 10	18 52.65	-27 42.3	2.333	3.293	6.9	22.1	6 10	18 52.40	-22 33.7	1.924	2.887	7.8	20.6
6 20	18 43.84	-28 6.8	2.286	3.287	3.7	21.9	6 20	18 43.83	-22 51.5	1.870	2.873	4.0	20.3
6 30	18 34.09	-28 26.6	2.267	3.280	1.6	21.8	6 30	18 34.13	-23 8.9	1.843	2.860	0.2	20.0
7 10	18 24.29	-28 40.0	2.277	3.273	4.2	21.9	7 10	18 24.30	-23 24.3	1.844	2.845	4.4	20.3
7 20	18 15.32	-28 46.6	2.314	3.266	7.5	22.1	7 20	18 15.35	-23 36.8	1.872	2.831	8.4	20.5
7 30	18 7.96	-28 47.2	2.378	3.257	10.5	22.3	7 30	18 8.19	-23 46.6	1.924	2.816	12.0	20.7
<b>520336</b>	2014 GJ <sub>61</sub>		6 29.5 140°66	4°2/30.7	18		<b>488429</b>	2016 XJ <sub>21</sub>		6 29.5 200°54	3°7/29.6	18	
5 21	18 59.92	- 8 2.7	2.677	3.447	12.4	21.8	5 21	19 0.69	-13 54.6	2.479	3.270	12.7	21.0
5 31	18 55.47	- 7 55.8	2.595	3.458	10.2	21.6	5 31	18 56.27	-13 4.3	2.388	3.268	10.3	20.8
6 10	18 49.38	- 7 58.2	2.536	3.468	7.8	21.5	6 10	18 50.05	-12 18.2	2.320	3.267	7.6	20.6
6 20	18 42.09	- 8 10.8	2.501	3.478	5.5	21.3	6 20	18 42.48	-11 37.6	2.277	3.265	5.0	20.5
6 30	18 34.18	- 8 33.2	2.494	3.487	4.2	21.3	6 30	18 34.21	-11 4.0	2.262	3.263	3.7	20.4
7 10	18 26.33	- 9 4.5	2.515	3.496	5.2	21.3	7 10	18 26.00	-10 38.3	2.275	3.261	5.2	20.5
7 20	18 19.18	- 9 43.0	2.563	3.504	7.4	21.5	7 20	18 18.56	-10 20.9	2.315	3.259	7.9	20.6
7 30	18 13.30	-10 26.8	2.638	3.512	9.7	21.7	7 30	18 12.53	-10 11.6	2.381	3.257	10.6	20.8
<b>428210</b>	2006 VQ <sub>7</sub>		6 29.5 199°13	0°8/29.6	17		<b>256742</b>	2008 BJ <sub>21</sub>		6 29.5 188°37	0°2/29.5	17	
5 21	19 5.19	-20 47.6	2.064	2.870	14.5	22.8	5 21	19 6.17	-23 15.9	1.908	2.720	15.3	22.0
5 31	19 0.39	-20 46.3	1.972	2.866	11.5	22.6	5 31	19 1.41	-23 23.0	1.821	2.719	12.1	21.8
6 10	18 53.21	-20 48.4	1.901	2.862	8.0	22.3	6 10	18 54.05	-23 32.5	1.755	2.718	8.4	21.6
6 20	18 44.17	-20 52.6	1.855	2.858	4.1	22.1	6 20	18 44.64	-23 42.1	1.713	2.717	4.2	21.3
6 30	18 34.08	-20 57.5	1.837	2.853	0.8	21.8	6 30	18 34.11	-23 49.9	1.698	2.715	0.3	21.0
7 10	18 23.98	-21 2.3	1.846	2.847	4.4	22.1	7 10	18 23.59	-23 54.3	1.711	2.712	4.7	21.3
7 20	18 14.87	-21 6.4	1.882	2.841	8.4	22.3	7 20	18 14.21	-23 55.3	1.750	2.709	8.9	21.6
7 30	18 7.62	-21 10.1	1.944	2.833	12.0	22.5	7 30	18 6.89	-23 53.6	1.813	2.705	12.6	21.8
<b>88807</b>	2001 SV <sub>134</sub>		6 29.5 185°03	0°3/29.6	18		<b>122751</b>	2000 SL <sub>61</sub>		6 29.5 272°73	2°5/29.9	17	
5 21	19 1.27	-22 4.0	2.330	3.137	13.0	20.7	5 21	19 1.60	-16 31.7	1.882	2.694	15.4	21.0
5 31	18 56.99	-22 5.8	2.241	3.137	10.3	20.5	5 31	18 57.95	-16 26.6	1.779	2.676	12.5	20.7
6 10	18 50.69	-22 9.7	2.175	3.137	7.1	20.3	6 10	18 51.81	-16 28.5	1.697	2.657	8.9	20.5
6 20	18 42.84	-22 14.8	2.133	3.137	3.6	20.1	6 20	18 43.62	-16 37.3	1.638	2.638	5.1	20.2
6 30	18 34.16	-22 19.6	2.119	3.136	0.3	19.8	6 30	18 34.15	-16 52.5	1.605	2.618	2.5	20.0
7 10	18 25.51	-22 23.4	2.134	3.135	3.9	20.1	7 10	18 24.48	-17 12.6	1.599	2.599	5.2	20.1
7 20	18 17.72	-22 25.8	2.175	3.134	7.4	20.3	7 20	18 15.69	-17 36.4	1.619	2.579	9.4	20.3
7 30	18 11.53	-22 27.1	2.242	3.133	10.5	20.5	7 30	18 8.77	-18 2.7	1.662	2.559	13.2	20.5
<b>432042</b>	2008 WD <sub>103</sub>		6 29.5 123°46	0°1/29.6	18		<b>86132</b>	1999 RJ <sub>165</sub>		6 29.5 340°54	2°0/29.8	18	
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>397127</b>	2005 WY <sub>37</sub>		6 29.5 271°18	1.8/29.0	18		<b>148439</b>	2000 XN <sub>25</sub>		6 29.5 253°93	3.3/29.0	18	
5 21	19 1.09	-26 5.5	2.445	3.253	12.4	21.2	5 21	19 2.94	-32 48.4	2.513	3.315	12.3	20.2
5 31	18 57.08	-26 48.1	2.342	3.238	9.9	21.0	5 31	18 58.49	-33 13.8	2.414	3.303	9.9	20.1
6 10	18 50.95	-27 33.3	2.260	3.222	6.9	20.8	6 10	18 51.87	-33 36.1	2.337	3.291	7.2	19.9
6 20	18 43.10	-28 18.2	2.205	3.206	3.7	20.6	6 20	18 43.52	-33 52.2	2.286	3.278	4.6	19.7
6 30	18 34.19	-28 59.6	2.177	3.190	1.9	20.4	6 30	18 34.21	-33 59.3	2.262	3.266	3.4	19.6
7 10	18 25.11	-29 34.7	2.178	3.174	4.4	20.6	7 10	18 24.84	-33 55.9	2.265	3.253	5.1	19.7
7 20	18 16.73	-30 2.3	2.206	3.158	7.7	20.8	7 20	18 16.33	-33 42.3	2.296	3.240	7.9	19.8
7 30	18 9.90	-30 22.3	2.259	3.141	10.8	20.9	7 30	18 9.50	-33 20.3	2.351	3.227	10.7	20.0
<b>489386</b>	2006 UC <sub>273</sub>		6 29.5 295°73	0°2/29.6	18		<b>167826</b>	2005 CV <sub>20</sub>		6 29.5 81°82	1°2/29.7	17	
5 21	19 1.07	-23 16.7	2.023	2.840	14.3	21.2	5 21	19 5.18	-20 19.3	1.459	2.288	18.3	20.7
5 31	18 57.45	-23 8.2	1.914	2.816	11.4	21.0	5 31	19 1.10	-20 15.4	1.393	2.300	14.5	20.4
6 10	18 51.41	-23 0.6	1.827	2.792	8.0	20.7	6 10	18 54.03	-20 16.8	1.346	2.313	10.1	20.2
6 20	18 43.40	-22 53.0	1.763	2.767	4.1	20.4	6 20	18 44.67	-20 22.0	1.322	2.326	5.2	20.0
6 30	18 34.18	-22 44.0	1.726	2.743	0.3	20.0	6 30	18 34.16	-20 29.4	1.322	2.338	1.2	19.7
7 10	18 24.78	-22 33.1	1.716	2.719	4.5	20.3	7 10	18 23.90	-20 37.5	1.348	2.351	5.4	20.0
7 20	18 16.25	-22 20.7	1.733	2.694	8.7	20.5	7 20	18 15.16	-20 45.6	1.399	2.363	10.1	20.3
7 30	18 9.54	-22 7.6	1.773	2.670	12.5	20.7	7 30	18 8.93	-20 53.8	1.472	2.376	14.2	20.6
<b>49738</b>	1999 VP <sub>113</sub>		6 29.5 29°72	0°7/29.5	18		<b>442133</b>	2010 UX <sub>37</sub>		6 29.5 325°62	21°1/23.9	15	
5 21	19 3.24	-24 4.6	1.088	1.945	21.3	18.6	5 21	19 0.81	+ 2 9.1	0.948	1.767	26.6	20.4
5 31	19 0.72	-24 8.7	1.026	1.950	17.0	18.3	5 31	18 58.98	+ 6 5.3	0.891	1.757	24.3	20.2
6 10	18 54.40	-24 16.0	0.981	1.956	11.8	18.0	6 10	18 53.42	+ 9 46.5	0.850	1.748	22.3	20.0
6 20	18 45.05	-24 23.4	0.956	1.963	5.9	17.7	6 20	18 44.72	+12 54.4	0.825	1.740	21.2	19.9
6 30	18 34.10	-24 27.7	0.953	1.970	0.7	17.4	6 30	18 34.14	+15 11.8	0.816	1.732	21.4	19.9
7 10	18 23.42	-24 27.2	0.972	1.977	6.5	17.8	7 10	18 23.48	+16 28.4	0.824	1.726	22.7	19.9
7 20	18 14.69	-24 22.0	1.014	1.985	12.1	18.1	7 20	18 14.46	+16 43.7	0.845	1.720	24.8	20.1
7 30	18 9.18	-24 14.1	1.075	1.994	17.0	18.5	7 30	18 8.56	+16 5.4	0.879	1.714	27.2	20.2
<b>506409</b>	2017 SF <sub>13</sub>		6 29.5 350°66	7°8/ 1.1	17		<b>164744</b>	1998 SN <sub>162</sub>		6 29.5 166°70	1°8/29.8	18	
5 21	18 43.68	-10 31.7	0.789	1.681	24.0	20.0	5 21	19 2.20	-17 31.4	2.651	3.442	12.0	20.7
5 31	18 45.94	-9 56.5	0.725	1.665	20.0	19.7	5 31	18 57.35	-17 17.4	2.563	3.447	9.6	20.6
6 10	18 44.69	-9 41.8	0.676	1.651	15.4	19.4	6 10	18 50.75	-17 7.1	2.497	3.452	6.8	20.4
6 20	18 40.43	-9 53.5	0.642	1.640	10.6	19.1	6 20	18 42.85	-17 0.3	2.458	3.456	3.8	20.2
6 30	18 34.32	-10 34.4	0.625	1.632	7.8	18.9	6 30	18 34.26	-16 56.7	2.447	3.459	1.8	20.1
7 10	18 28.11	-11 41.9	0.625	1.627	9.8	19.0	7 10	18 25.74	-16 56.0	2.465	3.462	3.9	20.2
7 20	18 23.56	-13 8.7	0.643	1.625	14.6	19.2	7 20	18 17.97	-16 57.9	2.511	3.464	6.8	20.4
7 30	18 22.15	-14 45.2	0.676	1.626	19.7	19.5	7 30	18 11.59	-17 2.1	2.583	3.466	9.6	20.6
<b>100460</b>	1996 TN <sub>7</sub>		6 29.5 281°54	6°9/30.5	18		<b>510449</b>	2011 WS <sub>10</sub>		6 29.5 179°98	0°5/29.6	18	
5 21	19 0.83	- 8 25.0	1.524	2.334	18.5	19.9	5 21	19 0.41	-21 12.1	2.605	3.407	11.9	22.3
5 31	18 57.80	- 7 50.4	1.432	2.319	15.5	19.7	5 31	18 56.09	-21 13.4	2.515	3.408	9.4	22.1
6 10	18 51.96	- 7 29.2	1.359	2.303	12.1	19.4	6 10	18 49.97	-21 17.1	2.447	3.408	6.5	21.9
6 20	18 43.78	- 7 24.7	1.306	2.288	8.7	19.2	6 20	18 42.49	-21 22.4	2.406	3.408	3.3	21.7
6 30	18 34.16	- 7 38.8	1.277	2.273	6.9	19.0	6 30	18 34.27	-21 28.1	2.392	3.408	0.5	21.5
7 10	18 24.32	- 8 11.3	1.272	2.258	8.4	19.1	7 10	18 26.09	-21 33.5	2.407	3.408	3.6	21.7
7 20	18 15.53	- 8 59.6	1.291	2.243	12.0	19.2	7 20	18 18.66	-21 38.1	2.450	3.407	6.7	21.9
7 30	18 8.93	- 9 59.8	1.331	2.228	15.9	19.4	7 30	18 12.63	-21 42.2	2.518	3.406	9.6	22.1
<b>193505</b>	2000 YP <sub>36</sub>		6 29.5 204°88	0°5/29.5	18		<b>122707</b>	2000 SQ <sub>30</sub>		6 29.5 204°85	1°5/29.8	18	
5 21	19 4.39	-24 25.1	2.357	3.159	13.0	20.6	5 21	19 3.37	-17 57.6	2.479	3.273	12.7	21.0
5 31	18 59.52	-24 28.8	2.261	3.154	10.3	20.4	5 31	18 58.55	-17 58.8	2.380	3.267	10.1	20.8
6 10	18 52.50	-24 33.3	2.188	3.149	7.1	20.2	6 10	18 51.77	-18 4.6	2.304	3.260	7.1	20.6
6 20	18 43.80	-24 36.9	2.140	3.143	3.6	20.0	6 20	18 43.44	-18 14.3	2.253	3.253	3.9	20.4
6 30	18 34.18	-24 37.8	2.120	3.136	0.5	19.7	6 30	18 34.24	-18 27.0	2.231	3.245	1.5	20.2
7 10	18 24.55	-24 35.4	2.128	3.129	4.0	20.0	7 10	18 24.99	-18 41.6	2.237	3.236	4.0	20.4
7 20	18 15.81	-24 29.6	2.165	3.121	7.6	20.2	7 20	18 16.49	-18 57.2	2.272	3.227	7.3	20.6
7 30	18 8.73	-24 21.3	2.226	3.113	10.8	20.4	7 30	18 9.47	-19 13.5	2.332	3.217	10.4	20.7
<b>251530</b>	2008 HT <sub>16</sub>		6 29.5 159°08	3°8/30.1	18		<b>408252</b>	2013 EU <sub>128</sub>		6 29.5 61°66	4°7/28.7	16	
5 21	18 59.02	-10 59.1	2.705	3.486	12.0	21.6	5 21	19 6.65	-28 55.6	1.249	2.092	19.9	21.6
5 31	18 54.79	-10 31.8	2.618	3.491	9.8	21.4	5 31	19 3.33	-30 4.9	1.186	2.101	16.0	21.3
6 10	18 48.96	-10 11.3	2.554	3.494	7.4	21.3	6 10	18 56.22	-31 16.4	1.142	2.109	11.4	21.1
6 20	18 41.93	- 9 58.5	2.515	3.498	5.0	21.1	6 20	18 46.02	-32 22.5	1.118	2.118	6.8	20.9
6 30	18 34.28	- 9 53.8	2.504	3.501	3.8	21.1	6 30	18 34.11	-33 15.0	1.118	2.127	4.8	20.8
7 10	18 26.68	- 9 57.2	2.521	3.504	5.0	21.1	7 10	18 22.33	-33 48.9	1.142	2.136	7.9	21.0
7 20	18 19.76	-10 8.1	2.565	3.507	7.3	21.3	7 20	18 12.44	-34 3.6	1.189	2.145	12.4	21.3
7 30	18 14.09	-10 25.2	2.634	3.510	9.7	21.5	7 30	18 5.77	-34 2.5	1.256	2.154	16.5	21.5
<b>162644</b>	2000 SZ <sub>204</sub>		6 29.5 332°39	2°2/29.7	17		<b>364216</b>	2006 RP <sub>36</sub>		6 29.5 333°14	0°7/29.5	18	
5 21	18 56.43	-20 1.6	1.092	1.957	20.7	19.3	5 21	19 0.98	-24 19.6	1.236	2.088	19.6	20.2
5 31	18 55.49	-19 39.0	1.012	1.940	16.7	19.0	5 31	18 58.69	-23 42.9	1.156	2.077	15.7	20.0
6 10	18 51.02	-19 21.6	0.949	1.925	11.9	18.6	6 10	18 52.95	-23 4.3	1.093	2.066	11.0	19.7
6 20	18 43.53	-19 9.6	0.905	1.910	6.4	18.3	6 20	18 44.38	-22 23.2	1.050	2.056	5.6	19.3
6 30	18 34.18	-19 3.0	0.881	1.897	2.2	18.0	6 30	18 34.19	-21 39.7	1.031	2.047	0.8	19.0
7 10	18 24.67	-19 1.1	0.880	1.885	6.9	18.2	7 10	18 24.04	-20 55.5	1.035	2.039	6.2	19.3
7 20	18 16.70	-19 3.7	0.899	1.874	12.7	18.5	7 20	18 15.48	-20 13.2	1.061	2.032	11.8	19.6
7 30	18 11.71	-19 10.3	0.937	1.865	18.0	18.7	7 30	18 9.79	-19 35.7	1.107	2.025	16.7	19.8
<b>350984</b>	2003 FZ <sub>85</sub>		6 29.5 104°31	1°9/29.8	17		<b>423065</b>	2003 WC <sub>94</sub>		6 29.5 224°47	2°7/29.2	17	

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>140744</b>	2001 <i>UE</i> <sub>108</sub>	6 29.5 137°30		0°5/29.6 18			<b>509029</b>	2005 <i>QL</i> <sub>34</sub>	6 29.6 269°34		0°4/29.6 17		
5 21	19 1.08	-21 0.8	2.353	3.159	12.9	20.7	5 21	19 4.01	-22 5.5	1.825	2.643	15.6	22.1
5 31	18 56.80	-21 5.9	2.270	3.165	10.2	20.5	5 31	19 0.10	-22 4.2	1.720	2.622	12.5	21.8
6 10	18 50.55	-21 14.1	2.208	3.170	7.0	20.3	6 10	18 53.47	-22 5.9	1.636	2.600	8.8	21.5
6 20	18 42.81	-21 24.2	2.172	3.175	3.6	20.1	6 20	18 44.56	-22 9.1	1.575	2.578	4.5	21.2
6 30	18 34.29	-21 34.9	2.163	3.180	0.5	19.9	6 30	18 34.24	-22 12.2	1.540	2.556	0.4	20.9
7 10	18 25.83	-21 45.1	2.183	3.184	3.8	20.2	7 10	18 23.68	-22 13.9	1.531	2.533	5.0	21.2
7 20	18 18.23	-21 54.3	2.230	3.189	7.2	20.4	7 20	18 14.08	-22 13.7	1.549	2.510	9.6	21.4
7 30	18 12.19	-22 2.5	2.302	3.193	10.3	20.6	7 30	18 6.56	-22 12.5	1.590	2.487	13.7	21.6
<b>356710</b>	2011 <i>UK</i> <sub>153</sub>	6 29.5 207°72		2°9/29.8 18			<b>398483</b>	2011 <i>UQ</i> <sub>146</sub>	6 29.6 241°72		0°9/29.4 18		
5 21	18 59.82	-15 10.1	2.471	3.267	12.6	20.8	5 21	19 1.36	-25 14.6	2.515	3.320	12.2	21.9
5 31	18 55.67	-14 42.3	2.379	3.264	10.2	20.6	5 31	18 57.10	-25 29.0	2.415	3.310	9.7	21.7
6 10	18 49.71	-14 19.3	2.310	3.262	7.4	20.4	6 10	18 50.85	-25 44.2	2.337	3.299	6.7	21.5
6 20	18 42.38	-14 1.6	2.266	3.259	4.5	20.2	6 20	18 43.03	-25 58.6	2.285	3.288	3.4	21.3
6 30	18 34.31	-13 49.6	2.249	3.256	2.9	20.1	6 30	18 34.32	-26 10.1	2.261	3.277	0.9	21.1
7 10	18 26.27	-13 43.4	2.260	3.253	4.6	20.2	7 10	18 25.55	-26 17.5	2.266	3.265	3.9	21.3
7 20	18 18.98	-13 42.9	2.298	3.250	7.5	20.4	7 20	18 17.54	-26 20.5	2.297	3.254	7.2	21.5
7 30	18 13.10	-13 47.4	2.362	3.246	10.3	20.6	7 30	18 11.03	-26 19.6	2.355	3.242	10.3	21.7
<b>501363</b>	2013 <i>YE</i> <sub>36</sub>	6 29.6 156°14		6°0/ 1.1 17			<b>321659</b>	2010 <i>CS</i> <sub>20</sub>	6 29.6 332°24		0°9/29.7 18 R		
5 21	19 1.76	- 5 58.6	1.984	2.764	15.8	21.5	5 21	19 0.58	-19 45.5	1.725	2.550	16.1	20.6
5 31	18 57.61	- 5 44.2	1.903	2.768	13.2	21.3	5 31	18 57.29	-19 55.2	1.640	2.546	12.8	20.4
6 10	18 51.27	- 5 43.7	1.841	2.772	10.3	21.1	6 10	18 51.40	-20 11.0	1.576	2.542	8.9	20.1
6 20	18 43.24	- 5 58.6	1.802	2.775	7.5	20.9	6 20	18 43.44	-20 31.5	1.534	2.538	4.6	19.9
6 30	18 34.29	- 6 29.2	1.789	2.778	6.0	20.9	6 30	18 34.30	-20 54.6	1.519	2.535	0.9	19.6
7 10	18 25.36	- 7 14.1	1.802	2.781	7.0	20.9	7 10	18 25.14	-21 18.4	1.529	2.532	4.9	19.9
7 20	18 17.35	- 8 10.4	1.842	2.784	9.7	21.1	7 20	18 17.07	-21 41.3	1.565	2.529	9.2	20.1
7 30	18 11.07	- 9 14.5	1.905	2.786	12.6	21.3	7 30	18 11.06	-22 2.6	1.623	2.526	13.1	20.3
<b>498059</b>	2007 <i>RA</i> <sub>70</sub>	6 29.6 329°56		5°9/30.4 17			<b>120984</b>	1998 <i>XN</i> <sub>7</sub>	6 29.6 272°59		0°2/29.6 17		
5 21	18 55.65	-12 16.2	1.100	1.953	21.4	20.9	5 21	19 4.16	-21 31.6	1.431	2.265	18.3	19.8
5 31	18 54.74	-11 50.0	1.019	1.937	17.7	20.6	5 31	19 0.98	-21 44.3	1.339	2.250	14.8	19.5
6 10	18 50.47	-11 38.3	0.955	1.921	13.3	20.3	6 10	18 54.52	-22 3.3	1.265	2.234	10.4	19.2
6 20	18 43.29	-11 44.4	0.910	1.906	8.6	20.0	6 20	18 45.25	-22 26.4	1.213	2.218	5.3	18.9
6 30	18 34.28	-12 9.7	0.885	1.893	5.9	19.8	6 30	18 34.21	-22 50.6	1.185	2.201	0.3	18.5
7 10	18 25.02	-12 52.5	0.881	1.880	8.4	19.9	7 10	18 22.89	-23 12.8	1.181	2.185	5.9	18.8
7 20	18 17.14	-13 49.2	0.898	1.869	13.3	20.1	7 20	18 12.83	-23 31.5	1.202	2.168	11.2	19.1
7 30	18 12.09	-14 54.5	0.934	1.859	18.3	20.3	7 30	18 5.39	-23 46.7	1.245	2.152	16.0	19.3
<b>433346</b>	2013 <i>RZ</i> <sub>65</sub>	6 29.6 10°88		0°8/29.6 17			<b>195574</b>	2002 <i>JG</i> <sub>97</sub>	6 29.6 336°09		2°3/28.8 18		
5 21	19 3.06	-21 23.1	1.539	2.369	17.4	21.8	5 21	19 1.95	-23 38.2	1.637	2.467	16.6	19.6
5 31	18 59.51	-21 18.4	1.461	2.369	13.9	21.6	5 31	18 58.80	-24 49.5	1.553	2.462	13.2	19.4
6 10	18 53.04	-21 17.8	1.402	2.370	9.7	21.3	6 10	18 52.75	-26 9.0	1.489	2.456	9.2	19.1
6 20	18 44.27	-21 19.7	1.366	2.370	4.9	21.1	6 20	18 44.26	-27 31.6	1.448	2.452	4.9	18.9
6 30	18 34.25	-21 22.7	1.354	2.371	0.8	20.8	6 30	18 34.26	-28 51.2	1.434	2.447	2.4	18.7
7 10	18 24.29	-21 25.6	1.369	2.371	5.3	21.1	7 10	18 24.07	-30 1.9	1.445	2.443	5.9	18.9
7 20	18 15.68	-21 27.9	1.407	2.372	10.0	21.4	7 20	18 15.00	-31 0.1	1.482	2.440	10.3	19.1
7 30	18 9.44	-21 30.2	1.468	2.373	14.2	21.6	7 30	18 8.25	-31 45.1	1.542	2.436	14.2	19.4
<b>394271</b>	2006 <i>UY</i> <sub>125</sub>	6 29.6 286°84		3°0/29.8 18			<b>478843</b>	2012 <i>VN</i> <sub>47</sub>	6 29.6 178°89		1°9/29.9 17		
5 21	18 59.95	-16 11.6	2.096	2.904	14.2	21.0	5 21	19 1.50	-17 34.2	2.134	2.940	14.0	22.0
5 31	18 56.26	-15 41.4	1.998	2.890	11.5	20.8	5 31	18 57.35	-17 26.8	2.047	2.941	11.2	21.8
6 10	18 50.41	-15 15.7	1.920	2.877	8.3	20.6	6 10	18 51.07	-17 24.6	1.982	2.941	7.9	21.6
6 20	18 42.86	-14 55.2	1.867	2.863	5.0	20.4	6 20	18 43.15	-17 27.3	1.941	2.941	4.4	21.4
6 30	18 34.32	-14 40.6	1.840	2.850	3.0	20.2	6 30	18 34.33	-17 34.1	1.928	2.941	1.9	21.2
7 10	18 25.72	-14 32.1	1.840	2.836	5.2	20.3	7 10	18 25.55	-17 44.2	1.942	2.941	4.5	21.4
7 20	18 17.96	-14 29.7	1.867	2.822	8.6	20.5	7 20	18 17.67	-17 56.7	1.982	2.941	8.0	21.6
7 30	18 11.84	-14 33.0	1.917	2.809	12.0	20.7	7 30	18 11.47	-18 11.2	2.048	2.940	11.3	21.8
<b>280143</b>	2002 <i>PK</i> <sub>35</sub>	6 29.6 332°23		2°5/29.4 18			<b>290110</b>	2005 <i>QE</i> <sub>118</sub>	6 29.6 269°79		1°5/29.3 18		
5 21	19 2.10	-29 17.3	1.688	2.518	16.2	20.4	5 21	19 1.84	-26 56.7	2.386	3.194	12.7	21.9
5 31	18 58.75	-29 24.6	1.603	2.510	12.9	20.2	5 31	18 57.71	-27 11.9	2.280	3.176	10.1	21.7
6 10	18 52.53	-29 29.4	1.537	2.503	9.2	19.9	6 10	18 51.42	-27 27.3	2.195	3.157	7.1	21.4
6 20	18 44.03	-29 28.6	1.494	2.496	5.1	19.7	6 20	18 43.39	-27 40.5	2.136	3.138	3.8	21.2
6 30	18 34.27	-29 19.5	1.477	2.490	2.5	19.5	6 30	18 34.32	-27 49.4	2.105	3.119	1.5	21.0
7 10	18 24.54	-29 1.1	1.485	2.484	5.6	19.7	7 10	18 25.13	-27 52.5	2.101	3.100	4.3	21.2
7 20	18 16.11	-28 34.6	1.518	2.479	9.8	19.9	7 20	18 16.72	-27 49.6	2.125	3.080	7.8	21.3
7 30	18 10.00	-28 2.6	1.573	2.474	13.6	20.1	7 30	18 9.93	-27 41.6	2.173	3.061	11.0	21.5
<b>434769</b>	2006 <i>KC</i> <sub>26</sub>	6 29.6 99°15		7°1/ 1.2 17			<b>174533</b>	2003 <i>EU</i> <sub>29</sub>	6 29.6 35°34		6°2/30.8 17		
5 21	19 0.62	- 3 44.0	1.999	2.773	15.9	21.1	5 21	18 57.90	- 7 3.1	1.917	2.711	15.8	19.2
5 31	18 56.58	- 3 9.0	1.928	2.784	13.5	20.9	5 31	18 54.58	- 6 29.8	1.846	2.721	13.1	19.1
6 10	18 50.47	- 2 48.1	1.876	2.796	10.8	20.8	6 10	18 49.16	- 6 9.0	1.795	2.731	10.2	18.9
6 20	18 42.80	- 2 43.9	1.846	2.807	8.4	20.7	6 20	18 42.17	- 6 2.7	1.767	2.741	7.6	18.8
6 30	18 34.33	- 2 57.5	1.842	2.818	7.2	20.6	6 30	18 34.39	- 6 12.0	1.763	2.752	6.2	18.7
7 10	18 25.98	- 3 28.0	1.863	2.828	7.9	20.7	7 10	18 26.72	- 6 35.9	1.785	2.763	7.2	18.8
7 20	18 18.57	- 4 13.1	1.909	2.839	10.1	20.8	7 20	18 20.01	- 7 12.4	1.832	2.775	9.7	19.0
7 30	18 12.84	- 5 9.1	1.978	2.849	12.6	21.0	7 30	18 14.99	- 7 58.4	1.902	2.787	12.4	19.2
<b>409352</b>	2004 <i>XW</i> <sub>118</sub>	6 29.6 191°72		0°1/29.6 17			<b>358418</b>	2007 <i>CV</i> <sub>35</sub>	6 29.6 269°46				

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6 29.6

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>140708</b>	2001 <i>UH</i> <sub>81</sub>		6 29.6 156°69	0°2/29.6	18		<b>438534</b>	2007 <i>TP</i> <sub>109</sub>		6 29.6 304°71	2°6/29.3	18	
5 21	19 1.39	-21 57.8	2.725	3.523	11.5	21.2	5 21	19 2.48	-29 14.4	1.800	2.624	15.5	20.7
5 31	18 56.77	-22 6.6	2.638	3.529	9.1	21.1	5 31	18 58.98	-29 29.8	1.707	2.611	12.5	20.5
6 10	18 50.40	-22 17.4	2.575	3.535	6.3	20.9	6 10	18 52.70	-29 43.6	1.634	2.598	8.8	20.2
6 20	18 42.73	-22 29.2	2.538	3.541	3.1	20.7	6 20	18 44.17	-29 52.5	1.585	2.586	5.0	20.0
6 30	18 34.37	-22 40.7	2.529	3.546	0.2	20.4	6 30	18 34.33	-29 53.3	1.561	2.573	2.7	19.8
7 10	18 26.06	-22 50.7	2.549	3.550	3.4	20.7	7 10	18 24.42	-29 44.5	1.563	2.561	5.6	20.0
7 20	18 18.50	-22 59.0	2.598	3.555	6.5	20.9	7 20	18 15.67	-29 26.5	1.591	2.549	9.6	20.2
7 30	18 12.31	-23 5.6	2.673	3.558	9.2	21.1	7 30	18 9.13	-29 1.8	1.641	2.538	13.4	20.4
<b>353831</b>	2012 <i>UA</i> <sub>102</sub>		6 29.6 324°81	1°8/29.2	18		<b>93511</b>	2000 <i>TA</i> <sub>60</sub>		6 29.6 167°79	0°8/29.4	18	
5 21	19 1.87	-26 7.2	1.814	2.639	15.4	21.1	5 21	19 4.61	-21 48.9	2.064	2.872	14.4	19.2
5 31	18 58.32	-26 35.5	1.729	2.635	12.3	20.9	5 31	19 0.08	-22 37.4	1.978	2.874	11.4	19.0
6 10	18 52.13	-27 5.7	1.665	2.631	8.6	20.7	6 10	18 53.14	-23 31.9	1.914	2.877	7.9	18.8
6 20	18 43.83	-27 34.4	1.624	2.627	4.5	20.4	6 20	18 44.29	-24 29.0	1.875	2.879	4.0	18.5
6 30	18 34.31	-27 58.4	1.609	2.624	1.9	20.3	6 30	18 34.33	-25 24.9	1.865	2.881	0.8	18.3
7 10	18 24.77	-28 15.2	1.621	2.620	5.2	20.5	7 10	18 24.30	-26 16.1	1.882	2.882	4.5	18.6
7 20	18 16.36	-28 24.1	1.657	2.617	9.2	20.7	7 20	18 15.23	-27 0.5	1.926	2.883	8.3	18.8
7 30	18 10.05	-28 26.1	1.718	2.614	12.9	20.9	7 30	18 8.02	-27 37.4	1.996	2.884	11.8	19.0
<b>47699</b>	2000 <i>CP</i> <sub>116</sub>		6 29.6 265°43	1°8/30.1	18		<b>70893</b>	1999 <i>VT</i> <sub>169</sub>		6 29.6 159°28	3°0/29.0	17	
5 21	19 1.12	-15 49.7	2.061	2.867	14.5	19.4	5 21	19 4.13	-29 18.1	1.996	2.810	14.6	19.9
5 31	18 57.33	-16 13.3	1.963	2.856	11.6	19.2	5 31	18 59.89	-29 55.3	1.913	2.812	11.6	19.7
6 10	18 51.27	-16 46.1	1.886	2.844	8.3	18.9	6 10	18 53.09	-30 32.0	1.852	2.813	8.2	19.5
6 20	18 43.36	-17 27.0	1.833	2.833	4.6	18.7	6 20	18 44.27	-31 4.3	1.816	2.814	4.8	19.3
6 30	18 34.34	-18 14.1	1.807	2.821	1.8	18.5	6 30	18 34.33	-31 28.6	1.806	2.815	3.0	19.1
7 10	18 25.15	-19 4.7	1.808	2.809	4.6	18.6	7 10	18 24.42	-31 42.4	1.823	2.816	5.4	19.3
7 20	18 16.77	-19 56.1	1.837	2.797	8.4	18.8	7 20	18 15.61	-31 45.8	1.866	2.817	8.9	19.5
7 30	18 10.09	-20 46.2	1.890	2.785	12.0	19.0	7 30	18 8.86	-31 40.1	1.932	2.818	12.2	19.7
<b>264954</b>	2002 <i>XV</i> <sub>22</sub>		6 29.6 250°70	1°7/29.3	18		<b>192714</b>	1999 <i>TN</i> <sub>125</sub>		6 29.6 205°65	5°3/30.3	18	
5 21	19 5.66	-26 12.7	1.895	2.710	15.2	21.4	5 21	19 0.98	-9 1.3	2.137	2.924	14.7	20.5
5 31	19 1.38	-26 35.0	1.794	2.694	12.2	21.2	5 31	18 56.90	-8 27.7	2.048	2.921	12.1	20.3
6 10	18 54.35	-26 58.9	1.714	2.678	8.6	20.9	6 10	18 50.76	-8 3.4	1.980	2.917	9.3	20.1
6 20	18 45.01	-27 21.3	1.658	2.660	4.5	20.6	6 20	18 43.02	-7 50.5	1.936	2.914	6.6	20.0
6 30	18 34.27	-27 38.7	1.628	2.643	1.7	20.4	6 30	18 34.40	-7 49.8	1.917	2.910	5.3	19.9
7 10	18 23.32	-27 48.8	1.625	2.625	5.2	20.6	7 10	18 25.77	-8 1.4	1.926	2.906	6.5	19.9
7 20	18 13.40	-27 51.1	1.649	2.606	9.4	20.8	7 20	18 17.97	-8 24.0	1.960	2.902	9.2	20.1
7 30	18 5.59	-27 46.9	1.696	2.587	13.3	21.0	7 30	18 11.77	-8 55.7	2.018	2.897	12.1	20.3
<b>248307</b>	2005 <i>MW</i> <sub>54</sub>		6 29.6 22°23	2°8/30.3	17		<b>213232</b>	2000 <i>WQ</i> <sub>100</sub>		6 29.6 257°17	0°3/29.6	17	
5 21	18 59.43	-13 42.6	2.117	2.920	14.2	20.6	5 21	19 4.76	-22 42.0	1.569	2.396	17.3	20.7
5 31	18 55.75	-13 49.4	2.032	2.921	11.5	20.4	5 31	19 1.01	-22 37.9	1.479	2.386	13.9	20.4
6 10	18 50.00	-14 5.2	1.967	2.922	8.3	20.2	6 10	18 54.24	-22 36.6	1.409	2.376	9.7	20.2
6 20	18 42.64	-14 29.6	1.927	2.922	4.9	20.0	6 20	18 45.00	-22 36.3	1.362	2.367	4.9	19.9
6 30	18 34.39	-15 1.7	1.913	2.923	2.8	19.8	6 30	18 34.30	-22 35.2	1.340	2.357	0.3	19.5
7 10	18 26.14	-15 39.6	1.927	2.924	4.8	20.0	7 10	18 23.52	-22 32.0	1.343	2.346	5.4	19.8
7 20	18 18.74	-16 21.1	1.967	2.925	8.1	20.2	7 20	18 14.01	-22 26.9	1.372	2.336	10.3	20.1
7 30	18 12.95	-17 4.4	2.032	2.926	11.3	20.4	7 30	18 6.93	-22 20.8	1.422	2.325	14.7	20.3
<b>184224</b>	2004 <i>RB</i> <sub>74</sub>		6 29.6 352°38	0°4/29.5	18		<b>93730</b>	2000 <i>VB</i> <sub>46</sub>		6 29.6 356°31	1°9/29.5	18	
5 21	18 57.30	-24 1.6	1.658	2.496	16.0	19.7	5 21	19 5.06	-22 15.2	1.703	2.524	16.4	17.9
5 31	18 54.86	-24 1.1	1.576	2.490	12.7	19.4	5 31	19 0.69	-21 18.7	1.620	2.523	13.1	17.7
6 10	18 49.80	-24 2.1	1.514	2.484	8.8	19.2	6 10	18 53.62	-20 20.9	1.558	2.522	9.2	17.5
6 20	18 42.67	-24 3.3	1.474	2.479	4.5	18.9	6 20	18 44.50	-19 22.3	1.519	2.522	4.9	17.2
6 30	18 34.39	-24 2.8	1.459	2.475	0.4	18.6	6 30	18 34.34	-18 24.6	1.507	2.522	1.9	17.0
7 10	18 26.15	-23 59.7	1.469	2.472	4.9	18.9	7 10	18 24.36	-17 30.1	1.522	2.522	5.4	17.3
7 20	18 19.06	-23 54.0	1.504	2.471	9.3	19.2	7 20	18 15.68	-16 41.0	1.562	2.522	9.6	17.5
7 30	18 14.08	-23 46.4	1.561	2.470	13.2	19.4	7 30	18 9.20	-15 59.6	1.626	2.522	13.5	17.7
<b>218229</b>	2002 <i>VM</i> <sub>78</sub>		6 29.6 334°54	3°7/28.6	17		<b>314367</b>	2005 <i>UO</i> <sub>39</sub>		6 29.6 289°23	0°4/29.7	18	
5 21	18 56.29	-25 3.4	1.150	2.015	19.9	19.1	5 21	18 59.78	-21 34.6	2.239	3.052	13.3	21.5
5 31	18 55.63	-26 16.0	1.067	1.996	16.0	18.8	5 31	18 56.12	-21 36.1	2.137	3.036	10.6	21.3
6 10	18 51.39	-27 39.3	1.002	1.979	11.4	18.5	6 10	18 50.34	-21 40.4	2.057	3.021	7.4	21.1
6 20	18 43.92	-29 7.4	0.957	1.962	6.4	18.2	6 20	18 42.88	-21 46.4	2.002	3.005	3.8	20.8
6 30	18 34.32	-30 31.7	0.934	1.947	3.8	18.0	6 30	18 34.42	-21 53.1	1.974	2.990	0.5	20.6
7 10	18 24.29	-31 43.8	0.934	1.933	7.9	18.1	7 10	18 25.88	-21 59.2	1.973	2.975	4.1	20.8
7 20	18 15.71	-32 38.5	0.954	1.921	13.3	18.4	7 20	18 18.12	-22 4.4	1.999	2.960	7.8	21.0
7 30	18 10.24	-33 15.1	0.994	1.910	18.2	18.6	7 30	18 11.96	-22 8.7	2.049	2.944	11.2	21.2
<b>17619</b>	1995 <i>VT</i>		6 29.6 109°25	3°1/29.9	18		<b>255169</b>	2005 <i>UC</i> <sub>210</sub>		6 29.6 228°94	0°7/29.4	18	
5 21	18 59.95	-15 2.5	2.291	3.090	13.4	17.4	5 21	19 0.65	-24 2.0	2.618	3.422	11.8	21.4
5 31	18 55.90	-14 32.6	2.207	3.094	10.8	17.2	5 31	18 56.46	-24 24.3	2.521	3.415	9.3	21.2
6 10	18 49.94	-14 7.9	2.144	3.097	7.8	17.1	6 10	18 50.38	-24 48.7	2.446	3.408	6.5	21.0
6 20	18 42.55	-13 49.1	2.107	3.100	4.8	16.9	6 20	18 42.83	-25 13.2	2.398	3.401	3.3	20.8
6 30	18 34.41	-13 36.8	2.096	3.103	3.1	16.8	6 30	18 34.43	-25 35.8	2.377	3.393	0.7	20.6
7 10	18 26.35	-13 31.0	2.113	3.106	4.9	16.9	7 10	18 25.98	-25 55.1	2.385	3.385	3.7	20.8
7 20	18 19.12	-13 31.3	2.157	3.109	7.8	17.1	7 20	18 18.24	-26 10.2	2.420	3.377	6.9	21.0
7 30	18 13.41	-13 37.2	2.225	3.112	10.8	17.3	7 30	18 11.91	-26 21.3	2.482	3.368	9.8	21.2
<b>436846</b>	2012 <i>SA</i> <sub>21</sub>		6 29.6 277°48	7°2/30.8	16		<b>93613</b>	2000 <i>UL</i> <sub></sub>					



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>40680</b>	1999 <i>RY</i> <sub>209</sub>	6 29.6 351°81		1°0/29.6 18			<b>422689</b>	2000 <i>CK</i> <sub>68</sub>	6 29.6 211°30		0°8/29.7 17		
5 21	18 50.35	-24 6.9	0.885	1.776	22.1	17.2	5 21	19 5.10	-20 21.4	1.972	2.780	15.0	22.5
5 31	18 51.29	-23 29.5	0.819	1.763	17.8	16.9	5 31	19 0.56	-20 25.3	1.878	2.774	12.0	22.3
6 10	18 48.42	-22 50.3	0.768	1.752	12.5	16.6	6 10	18 53.55	-20 33.6	1.806	2.768	8.4	22.1
6 20	18 42.35	-22 9.6	0.735	1.743	6.4	16.2	6 20	18 44.55	-20 44.8	1.758	2.761	4.3	21.8
6 30	18 34.45	-21 28.3	0.721	1.737	1.0	15.8	6 30	18 34.41	-20 57.4	1.737	2.753	0.8	21.5
7 10	18 26.63	-20 48.3	0.726	1.733	7.0	16.2	7 10	18 24.20	-21 9.9	1.744	2.745	4.6	21.8
7 20	18 20.67	-20 12.3	0.750	1.732	13.1	16.5	7 20	18 14.99	-21 21.5	1.777	2.736	8.7	22.0
7 30	18 17.96	-19 42.6	0.791	1.734	18.6	16.8	7 30	18 7.70	-21 32.2	1.835	2.727	12.4	22.2
<b>220314</b>	2003 <i>EC</i> <sub>47</sub>	6 29.6 68°44		6°5/30.1 17			<b>509422</b>	2007 <i>EM</i> <sub>50</sub>	6 29.6 176°05		1°2/29.8 18		
5 21	19 4.49	-10 1.3	1.606	2.409	18.0	20.1	5 21	18 59.47	-19 0.7	2.611	3.412	11.9	22.5
5 31	18 59.94	-8 55.9	1.551	2.433	14.8	19.9	5 31	18 55.38	-18 56.9	2.522	3.413	9.5	22.3
6 10	18 52.89	-8 1.6	1.515	2.457	11.2	19.7	6 10	18 49.54	-18 56.5	2.454	3.413	6.6	22.1
6 20	18 44.04	-7 21.4	1.501	2.481	8.0	19.6	6 20	18 42.38	-18 59.1	2.413	3.414	3.5	21.9
6 30	18 34.40	-6 57.4	1.513	2.505	6.5	19.6	6 30	18 34.51	-19 4.0	2.399	3.414	1.2	21.7
7 10	18 25.12	-6 49.9	1.549	2.529	7.9	19.7	7 10	18 26.68	-19 10.4	2.414	3.414	3.6	21.9
7 20	18 17.20	-6 57.6	1.611	2.553	10.8	19.9	7 20	18 19.57	-19 18.0	2.456	3.414	6.7	22.1
7 30	18 11.42	-7 17.8	1.694	2.576	13.8	20.2	7 30	18 13.80	-19 26.3	2.525	3.414	9.6	22.3
<b>43924</b>	Martoni	6 29.6 107°17		1°6/29.4 18			<b>41708</b>	2000 <i>UG</i> <sub>56</sub>	6 29.6 165°93		6°3/30.1 18		
5 21	19 3.68	-27 17.2	1.965	2.782	14.7	19.3	5 21	19 2.05	-7 12.9	2.151	2.929	14.8	19.4
5 31	18 59.42	-27 25.6	1.884	2.785	11.7	19.1	5 31	18 57.65	-6 18.7	2.069	2.932	12.4	19.3
6 10	18 52.68	-27 33.1	1.824	2.788	8.1	18.9	6 10	18 51.22	-5 34.1	2.007	2.935	9.7	19.1
6 20	18 44.04	-27 37.4	1.788	2.791	4.3	18.7	6 20	18 43.26	-5 1.5	1.969	2.938	7.4	18.9
6 30	18 34.40	-27 36.2	1.779	2.793	1.6	18.5	6 30	18 34.48	-4 43.1	1.958	2.940	6.3	18.9
7 10	18 24.86	-27 28.4	1.797	2.796	4.7	18.7	7 10	18 25.76	-4 39.4	1.972	2.941	7.3	19.0
7 20	18 16.46	-27 14.8	1.840	2.799	8.5	18.9	7 20	18 17.91	-4 49.6	2.013	2.943	9.6	19.1
7 30	18 10.08	-26 56.9	1.909	2.802	12.0	19.2	7 30	18 11.66	-5 11.8	2.077	2.944	12.3	19.3
<b>353167</b>	2009 <i>JU</i> <sub>17</sub>	6 29.6 331°83		1°7/30.0 18			<b>340430</b>	2006 <i>FD</i> <sub>32</sub>	6 29.6 317°34		1°3/29.4 16		
5 21	18 59.12	-16 20.9	2.057	2.868	14.3	20.5	5 21	19 1.84	-25 20.6	1.771	2.597	15.7	21.3
5 31	18 55.70	-16 42.2	1.967	2.864	11.5	20.3	5 31	18 58.38	-25 38.7	1.685	2.592	12.5	21.0
6 10	18 50.10	-17 11.9	1.899	2.859	8.1	20.0	6 10	18 52.24	-25 58.7	1.619	2.586	8.7	20.8
6 20	18 42.77	-17 48.9	1.855	2.855	4.4	19.8	6 20	18 43.96	-26 17.7	1.576	2.580	4.5	20.5
6 30	18 34.46	-18 31.3	1.837	2.851	1.7	19.6	6 30	18 34.45	-26 33.0	1.559	2.575	1.3	20.3
7 10	18 26.08	-19 16.6	1.846	2.848	4.4	19.8	7 10	18 24.91	-26 42.5	1.569	2.570	5.0	20.5
7 20	18 18.55	-20 2.5	1.883	2.844	8.1	20.0	7 20	18 16.51	-26 45.8	1.603	2.565	9.3	20.8
7 30	18 12.68	-20 47.1	1.943	2.841	11.6	20.2	7 30	18 10.24	-26 43.9	1.661	2.560	13.1	21.0
<b>285870</b>	2001 <i>KP</i> <sub>31</sub>	6 29.6 49°34		8°3/25.9 18			<b>504774</b>	2009 <i>WD</i> <sub>252</sub>	6 29.6 179°03		5°6/29.1 18		
5 21	19 12.66	-25 1.6	1.020	1.868	23.1	19.3	5 21	19 5.92	-13 51.6	1.833	2.633	16.2	20.9
5 31	19 9.74	-28 25.7	0.955	1.872	18.6	19.0	5 31	19 1.05	-12 21.4	1.750	2.633	13.3	20.7
6 10	19 2.03	-32 12.7	0.909	1.876	13.6	18.7	6 10	18 53.74	-10 54.2	1.687	2.633	10.0	20.5
6 20	18 49.72	-36 4.2	0.886	1.881	9.2	18.5	6 20	18 44.57	-9 33.5	1.649	2.634	6.9	20.3
6 30	18 34.13	-39 36.0	0.888	1.886	8.8	18.5	6 30	18 34.43	-8 23.2	1.638	2.633	5.7	20.2
7 10	18 17.71	-42 27.3	0.915	1.890	12.5	18.7	7 10	18 24.42	-7 26.4	1.653	2.633	7.4	20.3
7 20	18 3.25	-44 29.8	0.964	1.896	17.3	19.0	7 20	18 15.55	-6 44.9	1.695	2.633	10.6	20.5
7 30	17 53.16	-45 47.5	1.031	1.901	21.6	19.3	7 30	18 8.68	-6 18.7	1.760	2.633	13.8	20.7
<b>478792</b>	2012 <i>UO</i> <sub>147</sub>	6 29.6 235°43		1°1/29.7 16			<b>44536</b>	1998 <i>YY</i> <sub>27</sub>	6 29.6 259°71		4°3/30.6 18		
5 21	19 1.93	-20 26.2	2.081	2.892	14.2	22.1	5 21	19 0.75	-9 31.1	2.263	3.048	14.0	19.9
5 31	18 57.86	-20 17.2	1.990	2.887	11.3	21.9	5 31	18 56.81	-9 28.0	2.156	3.030	11.6	19.7
6 10	18 51.54	-20 11.2	1.920	2.883	7.9	21.7	6 10	18 50.82	-9 35.6	2.071	3.011	8.8	19.5
6 20	18 43.48	-20 7.7	1.875	2.878	4.1	21.4	6 20	18 43.17	-9 54.7	2.009	2.993	5.9	19.3
6 30	18 34.45	-20 5.8	1.857	2.873	1.1	21.2	6 30	18 34.48	-10 25.5	1.973	2.974	4.3	19.1
7 10	18 25.42	-20 4.8	1.866	2.868	4.4	21.4	7 10	18 25.62	-11 6.6	1.966	2.954	5.7	19.2
7 20	18 17.33	-20 4.5	1.902	2.862	8.2	21.7	7 20	18 17.42	-11 55.8	1.985	2.934	8.6	19.3
7 30	18 11.00	-20 5.2	1.962	2.857	11.6	21.9	7 30	18 10.70	-12 50.8	2.029	2.914	11.7	19.5
<b>441374</b>	2008 <i>EL</i> <sub>43</sub>	6 29.6 55°84		11°7/4.9 17			<b>296852</b>	2009 <i>WV</i> <sub>184</sub>	6 29.6 346°50		8°5/28.6 17		
5 21	18 58.55	+12 40.3	2.210	2.895	16.9	20.7	5 21	18 59.21	-12 29.4	1.285	2.121	19.9	18.6
5 31	18 54.81	+13 22.5	2.146	2.907	15.4	20.6	5 31	18 56.85	-10 30.8	1.208	2.112	16.6	18.3
6 10	18 49.20	+13 42.5	2.099	2.920	13.9	20.5	6 10	18 51.45	-8 35.8	1.151	2.104	12.9	18.1
6 20	18 42.20	+13 36.2	2.071	2.933	12.5	20.5	6 20	18 43.63	-6 51.0	1.114	2.097	9.7	17.9
6 30	18 34.51	+13 1.6	2.064	2.946	11.8	20.4	6 30	18 34.47	-5 23.6	1.100	2.091	8.5	17.8
7 10	18 26.94	+11 59.7	2.079	2.960	11.8	20.5	7 10	18 25.36	-4 19.2	1.108	2.086	10.5	17.9
7 20	18 20.23	+10 33.8	2.117	2.973	12.5	20.5	7 20	18 17.64	-3 40.2	1.138	2.082	14.0	18.1
7 30	18 15.02	+8 49.5	2.177	2.986	13.8	20.7	7 30	18 12.38	-3 25.5	1.188	2.080	17.7	18.3
<b>362259</b>	2009 <i>NV</i> <sub>1</sub>	6 29.6 200°35		4°4/28.8 18			<b>373603</b>	2002 <i>CR</i> <sub>241</sub>	6 29.6 95°90		4°2/29.5 17		
5 21	19 3.81	-35 48.8	2.543	3.339	12.3	21.2	5 21	19 9.96	-34 38.2	1.920	2.724	15.4	20.7
5 31	18 59.22	-36 26.9	2.456	3.338	10.0	21.0	5 31	19 4.38	-34 52.9	1.854	2.742	12.4	20.6
6 10	18 52.42	-37 0.7	2.391	3.336	7.5	20.9	6 10	18 56.04	-35 1.2	1.809	2.761	9.1	20.4
6 20	18 43.90	-37 26.4	2.351	3.334	5.3	20.7	6 20	18 45.68	-34 58.9	1.788	2.779	5.8	20.2
6 30	18 34.44	-37 40.6	2.338	3.332	4.4	20.6	6 30	18 34.40	-34 43.1	1.793	2.796	4.2	20.2
7 10	18 24.99	-37 41.8	2.353	3.330	5.8	20.7	7 10	18 23.51	-34 13.7	1.825	2.814	6.0	20.3
7 20	18 16.48	-37 30.5	2.394	3.328	8.2	20.9	7 20	18 14.14	-33 33.1	1.884	2.831	9.2	20.5
7 30	18 9.71	-37 8.7	2.460	3.325	10.7	21.0	7 30	18 7.14	-32 45.3	1.967	2.848	12.3	20.8
<b>35660</b>	1998 <i>QS</i> <sub>38</sub>	6 29.6 14°43		6°2/29.8 18			<b>11634</b>	1996 <i>XU</i> <sub>30</sub>	6 29.6 210°24		3°6/29.7 18		
5 21	19 4.22												

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>89739</b>	Rampazzi		6 29.6 256°53	7°3/ 1.3 18			<b>12527</b>	Anneraugh		6 29.6 346°25	6°9/30.4 18		
5 21	19 0.39	- 4 9.8	1.842	2.624	16.8	19.6	5 21	18 57.58	-10 46.2	1.234	2.073	20.4	17.1
5 31	18 56.83	- 3 45.3	1.756	2.620	14.2	19.4	5 31	18 55.76	- 9 58.2	1.160	2.066	16.9	16.8
6 10	18 50.96	- 3 36.3	1.690	2.615	11.4	19.2	6 10	18 50.85	- 9 23.1	1.103	2.060	12.9	16.5
6 20	18 43.26	- 3 45.4	1.645	2.611	8.7	19.1	6 20	18 43.42	- 9 4.7	1.065	2.054	9.0	16.3
6 30	18 34.50	- 4 13.9	1.624	2.607	7.3	19.0	6 30	18 34.54	- 9 5.4	1.049	2.050	6.9	16.2
7 10	18 25.69	- 5 0.7	1.629	2.603	8.2	19.0	7 10	18 25.64	- 9 25.1	1.055	2.047	8.8	16.3
7 20	18 17.81	- 6 2.7	1.659	2.598	10.7	19.1	7 20	18 18.09	-10 1.4	1.083	2.044	12.7	16.5
7 30	18 11.71	- 7 15.5	1.712	2.594	13.7	19.3	7 30	18 13.07	-10 50.1	1.131	2.043	16.9	16.7
<b>371559</b>	2006 VV <sub>38</sub>		6 29.6 244°36	1°1/29.7 17			<b>439826</b>	2015 KE <sub>83</sub>		6 29.6 348°06	2°5/30.4 18		
5 21	19 4.35	-20 36.0	1.766	2.583	16.1	22.0	5 21	19 0.09	-13 44.9	1.750	2.565	16.3	19.9
5 31	19 0.32	-20 27.9	1.673	2.573	12.9	21.7	5 31	18 56.87	-14 14.6	1.665	2.562	13.2	19.7
6 10	18 53.58	-20 23.5	1.599	2.563	9.0	21.5	6 10	18 51.16	-14 56.9	1.600	2.559	9.4	19.5
6 20	18 44.65	-20 21.9	1.549	2.552	4.7	21.2	6 20	18 43.44	-15 51.0	1.558	2.557	5.4	19.2
6 30	18 34.44	-20 22.0	1.526	2.542	1.1	20.9	6 30	18 34.54	-16 54.1	1.542	2.555	2.5	19.1
7 10	18 24.14	-20 22.7	1.528	2.530	5.0	21.2	7 10	18 25.56	-18 2.5	1.553	2.554	5.1	19.2
7 20	18 14.93	-20 23.7	1.557	2.519	9.5	21.4	7 20	18 17.56	-19 12.1	1.589	2.553	9.2	19.5
7 30	18 7.84	-20 25.5	1.608	2.507	13.5	21.6	7 30	18 11.52	-20 19.7	1.649	2.552	13.0	19.7
<b>521110</b>	2015 DP <sub>245</sub>		6 29.6 18°99	1°7/29.7 17			<b>207411</b>	2006 BH <sub>267</sub>		6 29.6 171°73	1°0/29.7 17		
5 21	19 0.40	-20 50.5	1.401	2.242	18.3	21.0	5 21	19 8.13	-22 10.7	1.617	2.435	17.3	20.9
5 31	18 57.56	-20 24.4	1.333	2.247	14.5	20.8	5 31	19 3.38	-21 49.4	1.537	2.438	13.8	20.7
6 10	18 51.76	-20 1.7	1.283	2.253	10.2	20.6	6 10	18 55.68	-21 29.7	1.476	2.440	9.6	20.4
6 20	18 43.70	-19 42.3	1.256	2.260	5.3	20.3	6 20	18 45.68	-21 10.6	1.438	2.442	4.9	20.1
6 30	18 34.49	-19 26.0	1.252	2.268	1.7	20.1	6 30	18 34.46	-20 51.4	1.427	2.443	1.0	19.9
7 10	18 25.49	-19 12.8	1.273	2.276	5.6	20.4	7 10	18 23.36	-20 32.1	1.442	2.444	5.3	20.2
7 20	18 17.94	-19 2.9	1.318	2.286	10.2	20.7	7 20	18 13.66	-20 13.5	1.482	2.444	9.9	20.4
7 30	18 12.83	-18 56.8	1.384	2.296	14.4	20.9	7 30	18 6.37	-19 57.1	1.546	2.443	14.0	20.7
<b>106610</b>	2000 WU <sub>116</sub>		6 29.6 281°16	3°8/29.0 18			<b>38221</b>	1999 NB <sub>28</sub>		6 29.6 310°23	1°4/29.3 18		
5 21	19 5.14	-29 13.3	1.488	2.321	17.8	19.7	5 21	19 0.85	-24 6.5	1.606	2.439	16.7	18.7
5 31	19 1.91	-29 54.8	1.398	2.307	14.4	19.5	5 31	18 58.08	-24 39.6	1.512	2.423	13.4	18.4
6 10	18 55.28	-30 37.5	1.327	2.292	10.3	19.2	6 10	18 52.38	-25 17.7	1.438	2.407	9.3	18.1
6 20	18 45.75	-31 16.2	1.278	2.278	6.1	18.9	6 20	18 44.22	-25 57.8	1.387	2.391	4.8	17.8
6 30	18 34.39	-31 44.9	1.253	2.263	3.8	18.7	6 30	18 34.52	-26 35.6	1.360	2.376	1.5	17.5
7 10	18 22.79	-31 59.6	1.253	2.249	7.0	18.9	7 10	18 24.57	-27 7.8	1.359	2.361	5.6	17.8
7 20	18 12.57	-31 59.8	1.277	2.235	11.6	19.1	7 20	18 15.73	-27 32.2	1.382	2.346	10.3	18.0
7 30	18 5.10	-31 47.9	1.322	2.220	15.9	19.3	7 30	18 9.20	-27 49.0	1.428	2.332	14.5	18.2
<b>7666</b>	Keyaki		6 29.6 294°08	2°3/29.2 18			<b>66247</b>	1999 FN <sub>34</sub>		6 29.6 0°11	5°2/28.7 18		
5 21	19 2.55	-27 38.3	1.841	2.664	15.3	17.9	5 21	18 59.31	-28 49.3	1.067	1.933	21.0	18.2
5 31	18 59.14	-28 2.9	1.737	2.641	12.3	17.6	5 31	18 58.21	-29 57.1	1.002	1.930	16.9	17.9
6 10	18 52.95	-28 28.4	1.654	2.618	8.7	17.4	6 10	18 53.19	-31 8.2	0.954	1.928	12.2	17.7
6 20	18 44.44	-28 51.5	1.594	2.595	4.8	17.1	6 20	18 44.83	-32 14.9	0.926	1.927	7.4	17.4
6 30	18 34.45	-29 8.5	1.559	2.573	2.4	16.9	6 30	18 34.50	-33 8.6	0.919	1.928	5.2	17.3
7 10	18 24.21	-29 17.0	1.551	2.550	5.5	17.0	7 10	18 24.16	-33 43.1	0.933	1.930	8.6	17.5
7 20	18 14.96	-29 16.2	1.569	2.527	9.7	17.2	7 20	18 15.74	-33 57.3	0.968	1.933	13.4	17.7
7 30	18 7.83	-29 7.7	1.609	2.504	13.7	17.4	7 30	18 10.70	-33 54.1	1.022	1.937	18.0	18.0
<b>182855</b>	2002 CP <sub>122</sub>		6 29.6 157°74	0°9/29.5 18			<b>391538</b>	2007 RN <sub>321</sub>		6 29.6 273°22	4°4/29.1 18		
5 21	19 1.81	-25 54.0	2.435	3.242	12.5	21.0	5 21	19 5.31	-34 6.3	1.992	2.803	14.7	21.2
5 31	18 57.43	-25 58.7	2.349	3.244	9.9	20.9	5 31	19 1.10	-34 33.4	1.899	2.792	12.0	20.9
6 10	18 51.07	-26 3.1	2.284	3.246	6.8	20.7	6 10	18 54.14	-34 56.2	1.827	2.781	8.9	20.7
6 20	18 43.20	-26 5.7	2.246	3.248	3.5	20.5	6 20	18 44.96	-35 10.3	1.779	2.770	5.8	20.5
6 30	18 34.55	-26 5.0	2.234	3.250	0.9	20.3	6 30	18 34.51	-35 11.6	1.756	2.759	4.4	20.4
7 10	18 25.95	-26 0.2	2.252	3.252	3.8	20.5	7 10	18 24.02	-34 58.6	1.760	2.748	6.3	20.5
7 20	18 18.24	-25 51.6	2.296	3.253	7.2	20.7	7 20	18 14.71	-34 32.1	1.790	2.737	9.6	20.7
7 30	18 12.09	-25 40.0	2.366	3.255	10.1	20.9	7 30	18 7.60	-33 55.3	1.843	2.725	12.9	20.9
<b>13578</b>	1993 MK		6 29.6 294°25	7°0/ 2.7 18 A			<b>512962</b>	2017 SW <sub>33</sub>		6 29.6 203°13	0°0/29.6 17		
5 21	19 6.35	- 1 17.4	1.114	1.919	24.2	16.5	5 21	19 5.04	-23 31.4	1.861	2.676	15.4	21.6
5 31	19 3.55	- 2 20.8	1.027	1.908	20.7	16.2	5 31	19 0.65	-23 25.0	1.774	2.674	12.3	21.4
6 10	18 56.95	- 4 5.0	0.954	1.896	16.2	15.9	6 10	18 53.67	-23 19.9	1.708	2.672	8.5	21.2
6 20	18 46.88	- 6 33.8	0.901	1.885	11.1	15.5	6 20	18 44.65	-23 14.4	1.665	2.669	4.3	20.9
6 30	18 34.37	- 9 44.1	0.870	1.874	7.2	15.3	6 30	18 34.52	-23 7.2	1.650	2.666	0.2	20.6
7 10	18 21.15	-13 22.6	0.865	1.863	8.7	15.3	7 10	18 24.44	-22 57.6	1.661	2.663	4.7	20.9
7 20	18 9.18	-17 9.9	0.885	1.853	13.9	15.6	7 20	18 15.50	-22 46.0	1.699	2.660	8.9	21.2
7 30	18 0.28	-20 48.0	0.928	1.843	19.4	15.8	7 30	18 8.63	-22 33.6	1.760	2.656	12.7	21.4
<b>20667</b>	1999 UM <sub>11</sub>		6 29.6 192°09	0°4/29.5 18			<b>314515</b>	2005 XD <sub>79</sub>		6 29.6 208°20	0°4/29.6 18		
5 21	19 0.49	-23 50.7	2.787	3.588	11.2	19.4	5 21	19 1.51	-23 3.3	2.525	3.328	12.2	20.9
5 31	18 56.15	-24 1.7	2.694	3.587	8.9	19.2	5 31	18 57.08	-22 44.5	2.432	3.326	9.7	20.7
6 10	18 50.08	-24 14.0	2.624	3.585	6.1	19.0	6 10	18 50.77	-22 26.0	2.363	3.324	6.7	20.5
6 20	18 42.69	-24 26.2	2.580	3.583	3.1	18.8	6 20	18 43.05	-22 7.0	2.319	3.322	3.4	20.3
6 30	18 34.57	-24 36.7	2.565	3.581	0.4	18.6	6 30	18 34.60	-21 47.4	2.303	3.319	0.4	20.0
7 10	18 26.46	-24 44.7	2.578	3.579	3.4	18.9	7 10	18 26.20	-21 27.0	2.316	3.317	3.6	20.3
7 20	18 19.06	-24 49.8	2.619	3.576	6.4	19.0	7 20	18 18.62	-21 6.7	2.356	3.314	6.9	20.5
7 30	18 12.97	-24 52.3	2.687	3.573	9.2	19.2	7 30	18 12.52	-20 47.1	2.422	3.312	9.9	20.7
<b>192361</b>	1995 VB <sub>17</sub>		6 29.6 209°37	0°7/29.5 17			<b>442944</b>	2013 CQ <sub>87</sub>		6 29.6			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>346133</b>	2007 <i>VM</i> <sub>196</sub>		6 29.6 195°35	5°5/30.1	18		<b>212151</b>	2005 <i>EP</i> <sub>312</sub>		6 29.6 323°77	5°7/30.2	17	
5 21	19 0.91	- 8 9.5	2.397	3.173	13.5	21.2	5 21	18 58.48	-12 53.4	1.279	2.118	19.8	20.2
5 31	18 56.61	- 7 19.8	2.307	3.171	11.3	21.0	5 31	18 56.54	-12 14.4	1.196	2.104	16.3	19.9
6 10	18 50.46	- 6 38.0	2.239	3.169	8.8	20.9	6 10	18 51.49	-11 46.0	1.130	2.091	12.2	19.6
6 20	18 42.91	- 6 6.3	2.196	3.167	6.5	20.7	6 20	18 43.84	-11 31.1	1.085	2.079	8.0	19.3
6 30	18 34.61	- 5 46.4	2.179	3.164	5.5	20.6	6 30	18 34.60	-11 31.7	1.061	2.067	5.7	19.2
7 10	18 26.32	- 5 39.0	2.189	3.161	6.5	20.7	7 10	18 25.21	-11 47.5	1.060	2.056	8.0	19.3
7 20	18 18.78	- 5 43.6	2.226	3.157	8.8	20.8	7 20	18 17.10	-12 16.9	1.082	2.046	12.4	19.5
7 30	18 12.66	- 5 58.8	2.287	3.154	11.3	21.0	7 30	18 11.51	-12 56.7	1.123	2.036	16.8	19.7
<b>184189</b>	2004 <i>PO</i> <sub>19</sub>		6 29.6 310°11	1°9/29.9	18		<b>145028</b>	2005 <i>EY</i> <sub>267</sub>		6 29.6 16°28	0°4/29.7	17	
5 21	18 58.47	-17 5.6	2.119	2.931	13.9	20.0	5 21	18 59.63	-22 48.2	1.111	1.972	20.7	19.9
5 31	18 55.20	-17 8.9	2.022	2.919	11.2	19.7	5 31	18 57.78	-22 39.3	1.051	1.977	16.5	19.7
6 10	18 49.79	-17 18.8	1.946	2.906	7.9	19.5	6 10	18 52.39	-22 33.9	1.007	1.982	11.4	19.4
6 20	18 42.70	-17 34.7	1.894	2.894	4.4	19.3	6 20	18 44.21	-22 30.4	0.983	1.989	5.8	19.1
6 30	18 34.61	-17 55.5	1.868	2.882	1.9	19.1	6 30	18 34.59	-22 27.2	0.981	1.998	0.4	18.8
7 10	18 26.43	-18 20.0	1.870	2.871	4.4	19.2	7 10	18 25.24	-22 22.9	1.001	2.007	6.1	19.2
7 20	18 19.03	-18 46.6	1.898	2.859	8.1	19.4	7 20	18 17.67	-22 17.9	1.044	2.017	11.5	19.5
7 30	18 13.24	-19 14.2	1.950	2.848	11.5	19.6	7 30	18 13.05	-22 12.9	1.106	2.029	16.3	19.8
<b>243650</b>	1999 <i>TL</i> <sub>240</sub>		6 29.6 245°54	5°7/27.7	18		<b>15365</b>	1996 <i>HQ</i> <sub>9</sub>		6 29.6 285°10	7°3/29.5	18	
5 21	19 5.59	-39 22.6	2.741	3.525	11.8	20.8	5 21	19 1.82	- 8 56.0	1.735	2.534	17.0	18.3
5 31	19 0.83	-40 27.8	2.643	3.511	9.9	20.7	5 31	18 58.40	- 7 47.5	1.631	2.509	14.4	18.1
6 10	18 53.74	-41 28.7	2.568	3.498	7.8	20.5	6 10	18 52.38	- 6 46.4	1.545	2.484	11.4	17.8
6 20	18 44.73	-42 20.7	2.519	3.484	6.2	20.4	6 20	18 44.18	- 5 56.7	1.483	2.458	8.6	17.6
6 30	18 34.53	-42 59.2	2.496	3.470	5.7	20.3	6 30	18 34.59	- 5 22.1	1.444	2.432	7.3	17.5
7 10	18 24.14	-43 21.5	2.501	3.455	6.8	20.4	7 10	18 24.72	- 5 5.1	1.430	2.406	8.9	17.5
7 20	18 14.55	-43 27.3	2.532	3.440	8.8	20.5	7 20	18 15.71	- 5 6.2	1.441	2.379	12.1	17.6
7 30	18 6.67	-43 18.4	2.587	3.425	11.0	20.6	7 30	18 8.62	- 5 24.1	1.473	2.353	15.6	17.8
<b>335122</b>	2004 <i>TC</i> <sub>267</sub>		6 29.6 232°64	7°4/30.1	18		<b>437595</b>	2014 <i>AA</i> <sub>54</sub>		6 29.6 305°47	2°5/30.1	17	
5 21	19 1.30	- 5 6.6	2.065	2.840	15.5	20.8	5 21	19 0.97	-16 0.4	1.871	2.684	15.5	20.9
5 31	18 57.29	- 4 5.1	1.975	2.832	13.1	20.6	5 31	18 57.35	-15 58.4	1.786	2.682	12.4	20.6
6 10	18 51.16	- 3 14.1	1.904	2.825	10.6	20.4	6 10	18 51.37	-16 4.1	1.721	2.681	8.9	20.4
6 20	18 43.35	- 2 37.0	1.857	2.817	8.4	20.3	6 20	18 43.52	-16 17.2	1.680	2.679	5.1	20.2
6 30	18 34.60	- 2 16.6	1.835	2.809	7.4	20.2	6 30	18 34.63	-16 36.8	1.665	2.677	2.5	20.0
7 10	18 25.81	- 2 13.9	1.839	2.800	8.4	20.2	7 10	18 25.72	-17 1.3	1.676	2.676	5.0	20.2
7 20	18 17.85	- 2 28.1	1.867	2.791	10.6	20.4	7 20	18 17.81	-17 29.2	1.713	2.674	8.9	20.4
7 30	18 11.51	- 2 57.2	1.919	2.782	13.3	20.5	7 30	18 11.75	-17 58.9	1.774	2.673	12.5	20.6
<b>261124</b>	2005 <i>TR</i> <sub>18</sub>		6 29.6 277°26	0°4/29.6	18		<b>243633</b>	1999 <i>RL</i> <sub>239</sub>		6 29.6 214°50	7°0/28.4	18	R
5 21	19 0.90	-23 12.3	2.308	3.118	13.0	21.2	5 21	19 12.15	-50 13.8	3.273	4.006	11.1	21.1
5 31	18 57.06	-23 26.1	2.203	3.100	10.4	21.0	5 31	19 5.75	-50 55.2	3.181	3.997	9.7	21.0
6 10	18 51.08	-23 42.6	2.118	3.082	7.2	20.8	6 10	18 56.91	-51 26.5	3.111	3.988	8.3	20.8
6 20	18 43.36	-24 0.0	2.059	3.063	3.7	20.5	6 20	18 46.22	-51 43.1	3.065	3.978	7.3	20.8
6 30	18 34.61	-24 16.4	2.028	3.044	0.4	20.2	6 30	18 34.52	-51 41.5	3.045	3.968	7.0	20.7
7 10	18 25.70	-24 30.2	2.024	3.025	4.1	20.5	7 10	18 22.91	-51 20.5	3.051	3.957	7.6	20.8
7 20	18 17.55	-24 40.8	2.047	3.006	7.8	20.7	7 20	18 12.41	-50 41.3	3.083	3.946	8.8	20.8
7 30	18 10.97	-24 48.2	2.095	2.987	11.1	20.9	7 30	18 3.85	-49 47.1	3.138	3.935	10.3	20.9
<b>207489</b>	2006 <i>HT</i> <sub>53</sub>		6 29.6 38°71	5°7/30.8	17		<b>48144</b>	2001 <i>FQ</i> <sub>156</sub>		6 29.6 95°10	1°4/29.9	17	
5 21	19 0.91	-10 47.9	1.153	1.992	21.6	19.9	5 21	19 4.16	-17 29.2	1.562	2.384	17.6	19.7
5 31	18 58.35	-10 32.4	1.097	2.004	17.6	19.6	5 31	19 0.33	-17 51.9	1.488	2.391	14.1	19.5
6 10	18 52.54	-10 34.0	1.057	2.017	13.1	19.4	6 10	18 53.66	-18 24.1	1.434	2.398	9.9	19.2
6 20	18 44.21	-10 54.1	1.037	2.030	8.5	19.2	6 20	18 44.74	-19 3.9	1.403	2.405	5.2	19.0
6 30	18 34.58	-11 31.9	1.039	2.045	5.8	19.1	6 30	18 34.58	-19 48.4	1.397	2.413	1.4	18.7
7 10	18 25.21	-12 24.0	1.063	2.060	7.8	19.3	7 10	18 24.48	-20 34.1	1.417	2.420	5.2	19.0
7 20	18 17.48	-13 25.5	1.110	2.075	12.0	19.5	7 20	18 15.68	-21 18.2	1.462	2.426	9.8	19.3
7 30	18 12.46	-14 31.3	1.177	2.091	16.2	19.8	7 30	18 9.18	-21 59.1	1.530	2.433	13.8	19.5
<b>419560</b>	2010 <i>QX</i> <sub>3</sub>		6 29.6 279°54	4°0/29.1	17		<b>297222</b>	2011 <i>OM</i> <sub>19</sub>		6 29.6 60°55	0°7/29.7	18	
5 21	19 6.21	-30 17.4	1.527	2.356	17.6	21.3	5 21	19 1.93	-21 18.0	1.944	2.760	14.8	20.9
5 31	19 2.83	-30 51.7	1.429	2.335	14.3	21.0	5 31	18 58.02	-21 13.2	1.861	2.762	11.8	20.7
6 10	18 56.02	-31 25.8	1.351	2.314	10.4	20.7	6 10	18 51.75	-21 11.5	1.800	2.764	8.2	20.5
6 20	18 46.22	-31 54.4	1.294	2.293	6.2	20.4	6 20	18 43.67	-21 11.8	1.762	2.765	4.2	20.2
6 30	18 34.50	-32 11.8	1.262	2.272	4.0	20.3	6 30	18 34.63	-21 13.0	1.751	2.767	0.7	20.0
7 10	18 22.43	-32 14.4	1.255	2.251	7.1	20.4	7 10	18 25.65	-21 14.1	1.767	2.769	4.4	20.2
7 20	18 11.68	-32 1.9	1.272	2.229	11.7	20.6	7 20	18 17.71	-21 15.0	1.809	2.771	8.4	20.5
7 30	18 3.69	-31 37.6	1.311	2.208	16.1	20.8	7 30	18 11.65	-21 15.9	1.875	2.773	11.9	20.7
<b>521147</b>	2015 <i>FH</i> <sub>406</sub>		6 29.6 25°84	5°8/28.1	17		<b>77268</b>	2001 <i>FO</i> <sub>52</sub>		6 29.6 131°27	4°7/29.2	18	
5 21	19 5.53	-33 11.7	1.715	2.536	16.3	21.4	5 21	19 10.16	-33 48.4	1.754	2.565	16.4	19.8
5 31	19 1.79	-34 32.4	1.640	2.538	13.3	21.2	5 31	19 5.08	-34 23.2	1.682	2.575	13.3	19.7
6 10	18 54.94	-35 52.4	1.585	2.540	9.9	21.0	6 10	18 56.91	-34 53.2	1.630	2.584	9.7	19.5
6 20	18 45.50	-37 4.5	1.554	2.541	6.9	20.8	6 20	18 46.33	-35 13.1	1.601	2.593	6.3	19.3
6 30	18 34.53	-38 1.7	1.547	2.543	5.9	20.7	6 30	18 34.52	-35 18.5	1.598	2.601	4.7	19.2
7 10	18 23.48	-38 39.7	1.567	2.546	7.9	20.9	7 10	18 22.93	-35 7.6	1.622	2.609	6.8	19.3
7 20	18 13.78	-38 57.5	1.611	2.548	11.1	21.1	7 20	18 12.89	-34 42.1	1.670	2.617	10.2	19.6
7 30	18 6.61	-38 57.9	1.676	2.550	14.3	21.3	7 30	18 5.44	-34 6.2	1.742	2.624	13.5	19.8

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>355584</b>	2008 CV <sub>115</sub>		6 29.6 349°31	2°8/30.4	18		<b>390084</b>	2012 UC <sub>148</sub>		6 29.6 281°29	0°2/29.6	17	
5 21	18 58.83	-13 35.9	2.044	2.850	14.6	20.6	5 21	19 1.78	-21 36.0	1.905	2.724	15.0	20.8
5 31	18 55.46	-13 48.0	1.957	2.848	11.8	20.4	5 31	18 58.19	-22 2.8	1.813	2.715	12.0	20.6
6 10	18 49.96	-14 9.9	1.891	2.846	8.5	20.2	6 10	18 52.10	-22 35.1	1.741	2.706	8.3	20.3
6 20	18 42.79	-14 41.3	1.848	2.844	5.1	20.0	6 20	18 43.98	-23 10.6	1.693	2.697	4.2	20.1
6 30	18 34.67	-15 20.7	1.832	2.843	2.8	19.9	6 30	18 34.66	-23 46.5	1.672	2.689	0.3	19.7
7 10	18 26.52	-16 6.1	1.843	2.842	4.8	20.0	7 10	18 25.22	-24 19.9	1.678	2.680	4.6	20.1
7 20	18 19.21	-16 54.9	1.881	2.841	8.3	20.2	7 20	18 16.73	-24 49.2	1.709	2.671	8.8	20.3
7 30	18 13.54	-17 44.8	1.943	2.840	11.6	20.4	7 30	18 10.16	-25 13.9	1.765	2.663	12.6	20.5
<b>141017</b>	2001 WY <sub>45</sub>		6 29.6 258°64	1°1/29.8	18		<b>346662</b>	2008 YG <sub>14</sub>		6 29.6 219°37	0°8/29.7	16	
5 21	19 0.84	-20 16.7	2.250	3.058	13.3	20.7	5 21	19 3.24	-21 27.0	2.310	3.113	13.2	21.7
5 31	18 56.89	-20 9.2	2.155	3.051	10.6	20.5	5 31	18 58.72	-21 16.3	2.213	3.106	10.5	21.5
6 10	18 50.87	-20 4.7	2.081	3.043	7.4	20.2	6 10	18 52.10	-21 7.4	2.138	3.099	7.3	21.2
6 20	18 43.22	-20 2.6	2.033	3.035	3.9	20.0	6 20	18 43.85	-20 59.7	2.089	3.091	3.8	21.0
6 30	18 34.67	-20 2.1	2.011	3.027	1.1	19.8	6 30	18 34.68	-20 52.3	2.067	3.083	0.8	20.8
7 10	18 26.08	-20 2.7	2.017	3.019	4.1	20.0	7 10	18 25.49	-20 44.8	2.074	3.075	4.0	21.0
7 20	18 18.33	-20 3.9	2.051	3.011	7.7	20.2	7 20	18 17.16	-20 37.3	2.107	3.066	7.6	21.2
7 30	18 12.17	-20 5.9	2.109	3.002	11.0	20.4	7 30	18 10.44	-20 30.4	2.167	3.057	10.9	21.4
<b>513129</b>	1999 UD <sub>41</sub>		6 29.6 267°88	9°2/26.8	18		<b>29868</b>	1999 FB <sub>56</sub>		6 29.6 24°36	9°3/2.1	18	
5 21	19 11.40	-45 0.7	2.103	2.881	15.1	22.0	5 21	18 59.24	-1 27.4	1.521	2.311	19.4	17.9
5 31	19 6.80	-46 27.7	2.006	2.860	13.1	21.9	5 31	18 56.34	-0 53.0	1.451	2.315	16.7	17.7
6 10	18 58.73	-47 47.8	1.930	2.839	11.1	21.7	6 10	18 50.84	-0 39.1	1.398	2.319	13.6	17.5
6 20	18 47.61	-48 53.0	1.876	2.817	9.6	21.5	6 20	18 43.32	-0 49.3	1.365	2.324	10.8	17.4
6 30	18 34.48	-49 35.3	1.847	2.795	9.3	21.5	6 30	18 34.70	-1 25.4	1.354	2.329	9.3	17.3
7 10	18 20.92	-49 49.9	1.843	2.772	10.5	21.5	7 10	18 26.13	-2 25.8	1.367	2.335	10.0	17.4
7 20	18 8.61	-49 36.9	1.863	2.749	12.6	21.6	7 20	18 18.71	-3 45.6	1.403	2.341	12.3	17.5
7 30	17 59.05	-49 0.6	1.903	2.726	15.0	21.7	7 30	18 13.38	-5 18.6	1.461	2.348	15.3	17.7
<b>123131</b>	2000 TD <sub>12</sub>		6 29.6 22°46	2°3/29.4	17		<b>34626</b>	2000 UN <sub>69</sub>		6 29.6 345°28	5°1/28.7	18	
5 21	19 2.78	-26 16.9	1.180	2.033	20.3	19.5	5 21	19 3.58	-35 27.8	2.125	2.933	14.0	18.6
5 31	19 0.33	-26 42.5	1.116	2.037	16.1	19.3	5 31	18 59.58	-36 15.7	2.042	2.931	11.4	18.4
6 10	18 54.23	-27 10.2	1.069	2.042	11.3	19.0	6 10	18 53.01	-36 59.4	1.981	2.930	8.6	18.2
6 20	18 45.20	-27 35.6	1.043	2.048	5.9	18.7	6 20	18 44.40	-37 34.3	1.944	2.929	6.0	18.0
6 30	18 34.59	-27 53.9	1.039	2.054	2.3	18.5	6 30	18 34.65	-37 56.0	1.933	2.928	5.1	18.0
7 10	18 24.18	-28 2.2	1.059	2.061	6.6	18.8	7 10	18 24.90	-38 2.4	1.948	2.927	6.6	18.1
7 20	18 15.58	-28 0.6	1.101	2.069	11.7	19.1	7 20	18 16.27	-37 53.8	1.989	2.926	9.4	18.2
7 30	18 10.04	-27 51.6	1.163	2.077	16.3	19.4	7 30	18 9.69	-37 32.7	2.053	2.925	12.2	18.4
<b>120473</b>	1992 EE <sub>9</sub>		6 29.6 55°39	1°4/29.4	18		<b>289590</b>	2005 FJ <sub>11</sub>		6 29.6 70°11	1°2/29.3	18	
5 21	19 1.64	-25 57.7	2.068	2.885	14.1	19.9	5 21	19 2.40	-23 28.4	1.985	2.802	14.6	20.2
5 31	18 57.70	-26 19.3	1.993	2.894	11.1	19.7	5 31	18 58.48	-24 10.2	1.905	2.807	11.5	20.0
6 10	18 51.48	-26 41.8	1.939	2.903	7.7	19.5	6 10	18 52.15	-24 56.3	1.847	2.811	8.0	19.8
6 20	18 43.53	-27 2.6	1.910	2.912	4.0	19.3	6 20	18 43.94	-25 43.4	1.813	2.816	4.1	19.6
6 30	18 34.68	-27 19.1	1.907	2.922	1.4	19.1	6 30	18 34.68	-26 28.0	1.806	2.821	1.2	19.4
7 10	18 25.93	-27 30.0	1.932	2.931	4.4	19.4	7 10	18 25.41	-27 7.1	1.826	2.826	4.6	19.7
7 20	18 18.23	-27 34.8	1.982	2.941	8.0	19.6	7 20	18 17.15	-27 39.1	1.873	2.831	8.4	19.9
7 30	18 12.36	-27 34.4	2.058	2.951	11.2	19.8	7 30	18 10.79	-28 3.9	1.944	2.836	11.8	20.1
<b>133106</b>	2003 OS <sub>10</sub>		6 29.6 337°60	2°7/29.3	17		<b>501819</b>	2014 WA <sub>67</sub>		6 29.6 251°39	0°2/29.6	17	
5 21	18 57.27	-26 33.5	1.072	1.940	20.8	19.6	5 21	19 7.32	-25 2.9	1.538	2.363	17.7	21.8
5 31	18 56.59	-27 0.0	0.995	1.926	16.7	19.3	5 31	19 3.22	-24 45.2	1.447	2.353	14.2	21.6
6 10	18 52.13	-27 29.3	0.935	1.913	11.8	19.0	6 10	18 55.92	-24 26.6	1.375	2.342	9.9	21.3
6 20	18 44.39	-27 57.2	0.895	1.900	6.4	18.6	6 20	18 46.02	-24 5.3	1.326	2.331	5.1	21.0
6 30	18 34.63	-28 18.3	0.875	1.890	2.8	18.4	6 30	18 34.60	-23 39.7	1.302	2.319	0.3	20.6
7 10	18 24.70	-28 28.6	0.877	1.880	7.2	18.6	7 10	18 23.12	-23 10.0	1.304	2.307	5.5	20.9
7 20	18 16.48	-28 27.6	0.899	1.872	12.9	18.9	7 20	18 13.03	-22 37.7	1.331	2.295	10.6	21.2
7 30	18 11.50	-28 17.2	0.940	1.866	18.1	19.2	7 30	18 5.51	-22 5.7	1.380	2.283	15.1	21.4
<b>293330</b>	2007 DZ <sub>67</sub>		6 29.6 257°17	1°2/29.9	18		<b>504854</b>	2010 TO <sub>46</sub>		6 29.6 232°28	2°7/29.2	17	
5 21	18 59.50	-18 51.4	2.502	3.305	12.3	21.7	5 21	19 7.46	-28 25.7	1.810	2.625	15.8	22.5
5 31	18 55.63	-18 54.8	2.403	3.295	9.8	21.5	5 31	19 3.04	-28 55.7	1.716	2.615	12.7	22.3
6 10	18 49.90	-19 2.4	2.327	3.286	6.9	21.3	6 10	18 55.67	-29 26.1	1.643	2.604	9.0	22.1
6 20	18 42.72	-19 13.6	2.275	3.277	3.7	21.1	6 20	18 45.88	-29 52.8	1.593	2.593	5.1	21.8
6 30	18 34.71	-19 27.4	2.252	3.267	1.2	20.9	6 30	18 34.62	-30 11.5	1.569	2.581	2.8	21.6
7 10	18 26.64	-19 42.6	2.256	3.257	3.8	21.1	7 10	18 23.22	-30 19.6	1.573	2.569	5.7	21.8
7 20	18 19.27	-19 58.6	2.289	3.247	7.1	21.3	7 20	18 12.99	-30 17.0	1.602	2.556	9.9	22.0
7 30	18 13.29	-20 14.7	2.346	3.238	10.1	21.5	7 30	18 5.07	-30 5.5	1.654	2.543	13.7	22.2
<b>94321</b>	2001 FA <sub>111</sub>		6 29.6 154°35	2°0/29.9	18		<b>207721</b>	2007 RW <sub>141</sub>		6 29.6 295°77	2°2/29.9	18	
5 21	18 59.15	-16 30.2	2.672	3.468	11.8	20.3	5 21	19 0.47	-17 37.8	1.852	2.669	15.4	20.5
5 31	18 55.09	-16 19.4	2.584	3.470	9.4	20.1	5 31	18 57.25	-17 27.5	1.747	2.647	12.5	20.3
6 10	18 49.35	-16 13.1	2.519	3.473	6.7	19.9	6 10	18 51.54	-17 23.0	1.664	2.625	8.9	20.0
6 20	18 42.37	-16 11.3	2.479	3.476	3.8	19.7	6 20	18 43.77	-17 24.3	1.603	2.603	5.0	19.7
6 30	18 34.73	-16 13.6	2.467	3.478	2.0	19.6	6 30	18 34.71	-17 30.9	1.568	2.582	2.2	19.5
7 10	18 27.12	-16 19.5	2.483	3.481	3.9	19.7	7 10	18 25.42	-17 41.8	1.559	2.560	5.2	19.6
7 20	18 20.22	-16 28.5	2.528	3.483	6.7	19.9	7 20	18 17.01	-17 56.3	1.576	2.538	9.4	19.8
7 30	18 14.60	-16 40.0	2.597	3.485	9.4	20.1	7 30	18 10.46	-18 13.5	1.616	2.517	13.3	20.0
<b>294532</b>	2007 XU <sub>41</sub>		6 29.6 154°93	0°1/29.6	18		<b>433333</b>	2013 RO <sub>25</sub>		6 29.6 279°13	4°9/30.1	17	
5 21													

EPHEMERIDES

6 29.6

6 29.7

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>114089</b>	2002 <i>VJ</i> <sub>38</sub>		6 29.6 41°44'	0°3'/29.6	18		<b>19980</b>	Barrysimon		6 29.6 142°12'	9°6'/30.4	18	
5 21	19 4.57	-24 59.2	1.406	2.243	18.5	18.9	5 21	19 6.18	+ 0 51.3	2.089	2.827	16.4	19.0
5 31	19 0.97	-24 44.9	1.338	2.250	14.6	18.7	5 31	19 0.89	+ 2 18.3	2.020	2.841	14.3	18.9
6 10	18 54.23	-24 30.6	1.289	2.258	10.1	18.5	6 10	18 53.48	+ 3 31.2	1.970	2.854	12.1	18.8
6 20	18 45.06	-24 14.5	1.262	2.267	5.1	18.2	6 20	18 44.50	+ 4 25.3	1.943	2.866	10.3	18.7
6 30	18 34.67	-23 55.3	1.259	2.276	0.4	17.9	6 30	18 34.73	+ 4 57.3	1.941	2.878	9.6	18.7
7 10	18 24.56	-23 33.0	1.281	2.285	5.4	18.3	7 10	18 25.09	+ 5 5 8	1.964	2.888	10.2	18.7
7 20	18 16.05	-23 8.8	1.327	2.294	10.3	18.6	7 20	18 16.44	+ 4 52.3	2.012	2.898	11.8	18.8
7 30	18 10.16	-22 45.0	1.395	2.304	14.5	18.9	7 30	18 9.50	+ 4 20.0	2.081	2.907	13.8	19.0
<b>175112</b>	2004 <i>PP</i> <sub>32</sub>		6 29.6 352°73'	4°0'/29.2	18		<b>179475</b>	2002 <i>BY</i> <sub>29</sub>		6 29.6 231°58'	3°2'/28.8	18	
5 21	19 1.76	-32 47.7	1.934	2.754	14.8	19.6	5 21	19 3.00	-30 55.7	2.416	3.221	12.6	20.5
5 31	18 58.27	-33 14.4	1.852	2.751	11.9	19.4	5 31	18 58.74	-31 39.2	2.325	3.216	10.1	20.3
6 10	18 52.16	-33 37.3	1.790	2.748	8.7	19.2	6 10	18 52.25	-32 21.8	2.255	3.211	7.3	20.1
6 20	18 43.99	-33 52.7	1.752	2.746	5.5	19.0	6 20	18 44.01	-32 59.9	2.211	3.205	4.5	19.9
6 30	18 34.71	-33 57.0	1.739	2.744	4.0	18.9	6 30	18 34.75	-33 29.9	2.194	3.200	3.3	19.9
7 10	18 25.49	-33 48.8	1.752	2.743	6.0	19.0	7 10	18 25.41	-33 49.7	2.206	3.194	5.1	20.0
7 20	18 17.44	-33 28.9	1.791	2.742	9.3	19.2	7 20	18 16.93	-33 58.8	2.244	3.188	8.0	20.1
7 30	18 11.50	-32 59.8	1.853	2.742	12.5	19.4	7 30	18 10.14	-33 58.2	2.306	3.182	10.9	20.3
<b>104512</b>	2000 <i>GO</i> <sub>43</sub>		6 29.6 250°57'	2°0'/29.3	18		<b>64358</b>	2001 <i>UR</i> <sub>92</sub>		6 29.6 251°48'	0°8'/29.5	18	
5 21	19 3.01	-27 34.7	2.121	2.934	13.9	19.9	5 21	19 1.65	-24 33.7	2.250	3.061	13.3	19.8
5 31	18 58.93	-27 57.9	2.030	2.928	11.1	19.7	5 31	18 57.65	-24 48.6	2.157	3.055	10.5	19.6
6 10	18 52.48	-28 21.2	1.960	2.922	7.8	19.4	6 10	18 51.48	-25 5.1	2.086	3.049	7.3	19.3
6 20	18 44.13	-28 41.8	1.914	2.915	4.2	19.2	6 20	18 43.60	-25 21.3	2.039	3.042	3.7	19.1
6 30	18 34.71	-28 56.8	1.895	2.909	2.0	19.0	6 30	18 34.77	-25 35.0	2.020	3.036	0.8	18.9
7 10	18 25.25	-29 4.5	1.904	2.902	4.7	19.2	7 10	18 25.90	-25 44.8	2.029	3.030	4.1	19.1
7 20	18 16.76	-29 4.6	1.939	2.895	8.3	19.4	7 20	18 17.89	-25 50.3	2.064	3.023	7.7	19.3
7 30	18 10.12	-28 58.2	1.999	2.889	11.7	19.6	7 30	18 11.54	-25 51.9	2.124	3.016	11.0	19.5
<b>250922</b>	2005 <i>WH</i> <sub>47</sub>		6 29.6 189°08'	0°2'/29.7	18		<b>511589</b>	2015 <i>AK</i> <sub>27</sub>		6 29.6 256°44'	0°1'/29.7	17	
5 21	19 0.52	-22 18.0	2.857	3.654	11.1	21.4	5 21	19 6.03	-22 45.1	1.710	2.529	16.5	22.1
5 31	18 56.13	-22 18.4	2.763	3.654	8.7	21.2	5 31	19 2.00	-22 47.0	1.609	2.511	13.2	21.8
6 10	18 50.08	-22 20.2	2.693	3.652	6.0	21.0	6 10	18 55.05	-22 51.8	1.528	2.493	9.3	21.5
6 20	18 42.76	-22 22.6	2.648	3.651	3.1	20.8	6 20	18 45.64	-22 57.8	1.471	2.475	4.8	21.2
6 30	18 34.77	-22 24.6	2.632	3.649	0.2	20.6	6 30	18 34.69	-23 2.7	1.439	2.455	0.2	20.8
7 10	18 26.80	-22 25.6	2.646	3.647	3.3	20.8	7 10	18 23.50	-23 4.9	1.433	2.436	5.2	21.1
7 20	18 19.51	-22 25.5	2.687	3.644	6.2	21.0	7 20	18 13.39	-23 4.1	1.453	2.416	10.0	21.4
7 30	18 13.49	-22 24.5	2.755	3.642	8.9	21.2	7 30	18 5.54	-23 1.3	1.496	2.395	14.3	21.6
<b>168571</b>	1999 <i>XB</i> <sub>136</sub>		6 29.6 269°98'	9°2'/30.5	17		<b>513665</b>	2011 <i>UD</i> <sub>315</sub>		6 29.6 207°80'	0°1'/29.7	18	
5 21	19 20.03	-42 46.4	1.236	2.049	21.8	19.6	5 21	19 1.16	-21 53.1	2.846	3.642	11.1	22.8
5 31	19 15.40	-42 58.4	1.145	2.030	18.6	19.3	5 31	18 56.71	-22 4.8	2.747	3.637	8.8	22.6
6 10	19 5.61	-42 53.5	1.069	2.011	14.9	19.0	6 10	18 50.54	-22 18.9	2.671	3.631	6.1	22.4
6 20	18 51.34	-42 20.4	1.013	1.991	11.1	18.7	6 20	18 43.04	-22 34.1	2.621	3.624	3.1	22.2
6 30	18 34.45	-41 9.2	0.979	1.971	9.2	18.5	6 30	18 34.80	-22 49.2	2.600	3.617	0.2	21.9
7 10	18 17.66	-39 18.4	0.969	1.951	10.9	18.6	7 10	18 26.52	-23 2.9	2.609	3.610	3.3	22.2
7 20	18 3.56	-36 56.6	0.981	1.930	15.1	18.7	7 20	18 18.88	-23 14.7	2.645	3.602	6.4	22.4
7 30	17 53.96	-34 19.3	1.014	1.910	19.8	18.9	7 30	18 12.52	-23 24.6	2.708	3.594	9.1	22.6
<b>215866</b>	2005 <i>EG</i> <sub>145</sub>		6 29.6 58°25'	4°9'/30.4	17		<b>181237</b>	2005 <i>TF</i> <sub>154</sub>		6 29.6 307°51'	2°4'/29.4	18	
5 21	19 2.39	-12 7.1	1.468	2.287	18.7	20.2	5 21	19 1.43	-29 1.1	2.006	2.826	14.3	20.1
5 31	18 59.03	-11 45.6	1.394	2.291	15.2	20.0	5 31	18 57.98	-29 15.5	1.905	2.807	11.5	19.8
6 10	18 52.82	-11 36.1	1.340	2.295	11.3	19.7	6 10	18 52.01	-29 28.5	1.826	2.789	8.2	19.6
6 20	18 44.38	-11 40.0	1.306	2.299	7.3	19.5	6 20	18 43.99	-29 37.3	1.770	2.771	4.6	19.4
6 30	18 34.72	-11 57.4	1.297	2.303	4.9	19.4	6 30	18 34.76	-29 39.1	1.740	2.753	2.4	19.2
7 10	18 25.12	-12 26.7	1.312	2.307	6.9	19.5	7 10	18 25.41	-29 32.5	1.737	2.735	5.1	19.3
7 20	18 16.82	-13 5.5	1.352	2.311	10.9	19.8	7 20	18 17.02	-29 17.7	1.760	2.718	8.9	19.5
7 30	18 10.82	-13 50.4	1.413	2.316	14.8	20.0	7 30	18 10.58	-28 56.4	1.806	2.701	12.5	19.7
<b>181315</b>	2006 <i>QW</i> <sub>47</sub>		6 29.6 255°43'	3°0'/30.0	18		<b>393317</b>	2014 <i>AB</i> <sub>30</sub>		6 29.6 143°69'	5°1'/30.3	17	
5 21	19 4.11	-16 5.1	1.784	2.594	16.2	21.4	5 21	19 1.43	- 9 58.7	2.100	2.889	14.8	21.1
5 31	19 0.20	-15 50.5	1.683	2.577	13.2	21.2	5 31	18 57.31	- 9 22.8	2.019	2.894	12.2	21.0
6 10	18 53.63	-15 42.8	1.602	2.560	9.5	20.9	6 10	18 51.12	- 8 56.0	1.958	2.898	9.2	20.8
6 20	18 44.85	-15 42.3	1.544	2.542	5.6	20.6	6 20	18 43.37	- 8 39.8	1.922	2.902	6.5	20.6
6 30	18 34.70	-15 48.8	1.512	2.524	3.0	20.4	6 30	18 34.79	- 8 35.3	1.911	2.906	5.1	20.5
7 10	18 24.33	-16 1.3	1.506	2.505	5.7	20.5	7 10	18 26.28	- 8 42.3	1.927	2.910	6.3	20.6
7 20	18 14.91	-16 19.0	1.526	2.485	9.9	20.7	7 20	18 18.65	- 8 59.8	1.969	2.913	9.0	20.8
7 30	18 7.49	-16 40.7	1.570	2.466	13.9	20.9	7 30	18 12.66	- 9 26.0	2.036	2.917	11.9	21.0
<b>136711</b>	1995 <i>UC</i> <sub>11</sub>		6 29.6 336°96'	0°1'/29.7	18		<b>224232</b>	2005 <i>SK</i> <sub>80</sub>		6 29.6 149°18'	2°3'/29.3	18	
5 21	18 56.80	-23 13.7	1.129	1.994	20.2	19.8	5 21	19 7.78	-28 42.5	2.271	3.070	13.5	21.8
5 31	18 55.88	-23 8.6	1.050	1.978	16.3	19.5	5 31	19 2.37	-29 10.1	2.191	3.081	10.7	21.6
6 10	18 51.44	-23 6.6	0.987	1.963	11.4	19.1	6 10	18 54.65	-29 36.6	2.134	3.091	7.5	21.4
6 20	18 44.00	-23 6.2	0.943	1.950	5.8	18.8	6 20	18 45.15	-29 58.9	2.102	3.100	4.2	21.2
6 30	18 34.73	-23 5.4	0.921	1.938	0.2	18.3	6 30	18 34.73	-30 14.1	2.098	3.109	2.3	21.1
7 10	18 25.32	-23 2.6	0.921	1.927	6.4	18.7	7 10	18 24.42	-30 20.6	2.122	3.117	4.7	21.3
7 20	18 17.45	-22 57.7	0.943	1.918	12.2	19.0	7 20	18 15.16	-30 18.6	2.174	3.124	7.9	21.5
7 30	18 12.54	-22 51.6	0.983	1.910	17.4	19.3	7 30	18 7.78	-30 9.7	2.251	3.131	11.0	21.7
<b>25105</b>	Kimnayeon		6 29.6 265°37'	3°0'/29.0	18		<b>92821</b>	2000 <i>QZ</i> <sub>176</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>510372</b>	2011 <i>UZ</i> <sub>11</sub>	6 29.7 197°72' 0°9'/29.9 18											
5 21	19 1.01	-18 26.1	2.422	3.223	12.7	22.0	<b>516831</b>	2010 <i>VS</i> <sub>28</sub>	6 29.7 301°56' 3°5'/28.7 18				
5 31	18 56.89	-18 48.4	2.330	3.221	10.1	21.8	5 21	19 1.83	-30 31.0	2.287	3.097	13.1	21.1
6 10	18 50.82	-19 16.5	2.260	3.219	7.1	21.6	5 31	18 58.00	-31 23.9	2.195	3.090	10.5	20.9
6 20	18 43.25	-19 49.1	2.216	3.218	3.7	21.4	6 10	18 51.88	-32 16.7	2.126	3.083	7.6	20.7
6 30	18 34.81	-20 24.2	2.200	3.215	0.9	21.2	6 20	18 43.90	-33 5.7	2.081	3.076	4.7	20.5
7 10	18 26.33	-20 59.9	2.212	3.213	3.8	21.4	6 30	18 34.82	-33 46.7	2.064	3.069	3.5	20.4
7 20	18 18.58	-21 34.6	2.252	3.211	7.2	21.6	7 10	18 25.62	-34 16.9	2.074	3.062	5.4	20.6
7 30	18 12.31	-22 7.4	2.317	3.208	10.2	21.8	7 20	18 17.28	-34 35.4	2.111	3.056	8.4	20.7
							7 30	18 10.69	-34 43.0	2.171	3.049	11.4	20.9
<b>508445</b>	2016 <i>LT</i> <sub>33</sub>	6 29.7 343°26' 3°3'/30.2 17											
5 21	18 56.62	-16 5.3	1.238	2.089	19.7	21.1	<b>326929</b>	2004 <i>BZ</i> <sub>43</sub>	6 29.7 116°85' 5°8'/1.4 17				
5 31	18 55.22	-15 56.6	1.160	2.078	15.9	20.8	5 21	19 3.78	-6 36.5	1.741	2.529	17.4	20.7
6 10	18 50.67	-15 58.6	1.099	2.068	11.5	20.5	5 31	18 59.60	-6 36.1	1.667	2.539	14.5	20.5
6 20	18 43.51	-16 12.0	1.058	2.060	6.6	20.2	6 10	18 52.96	-6 51.8	1.612	2.548	11.1	20.4
6 30	18 34.79	-16 36.0	1.039	2.052	3.3	20.0	6 20	18 44.40	-7 24.7	1.579	2.558	7.8	20.2
7 10	18 25.96	-17 8.5	1.043	2.046	6.5	20.1	6 30	18 34.82	-8 14.2	1.571	2.567	5.9	20.1
7 20	18 18.48	-17 46.5	1.069	2.041	11.5	20.4	7 10	18 25.29	-9 17.4	1.589	2.575	7.0	20.2
7 30	18 13.57	-18 27.3	1.115	2.037	16.2	20.7	7 20	18 16.86	-10 30.2	1.634	2.584	10.1	20.4
							7 30	18 10.40	-11 48.1	1.702	2.592	13.3	20.6
<b>436911</b>	2012 <i>TP</i> <sub>82</sub>	6 29.7 271°74' 3°8'/29.1 17											
5 21	19 4.71	-31 49.5	1.917	2.733	15.0	20.8	<b>34082</b>	2000 <i>PL</i> <sub>2</sub>	6 29.7 202°04' 3°6'/30.5 18				
5 31	19 0.66	-32 23.4	1.833	2.730	12.1	20.6	5 21	18 59.51	-10 54.5	2.644	3.425	12.3	18.9
6 10	18 53.88	-32 55.0	1.769	2.727	8.8	20.4	5 31	18 55.44	-10 45.9	2.550	3.422	10.0	18.8
6 20	18 44.92	-33 19.8	1.729	2.724	5.5	20.2	6 10	18 49.69	-10 45.2	2.477	3.419	7.5	18.6
6 30	18 34.75	-33 33.8	1.715	2.721	3.9	20.1	6 20	18 42.65	-10 52.9	2.430	3.415	5.0	18.4
7 10	18 24.58	-33 35.1	1.728	2.718	6.0	20.2	6 30	18 34.88	-11 8.9	2.411	3.412	3.6	18.3
7 20	18 15.60	-33 23.9	1.765	2.715	9.5	20.4	7 10	18 27.09	-11 32.5	2.419	3.407	4.8	18.4
7 30	18 8.81	-33 2.8	1.827	2.713	12.8	20.6	7 20	18 19.95	-12 2.4	2.455	3.403	7.3	18.5
							7 30	18 14.06	-12 36.9	2.517	3.398	9.9	18.7
<b>308475</b>	2005 <i>TJ</i> <sub>36</sub>	6 29.7 328°21' 4°6'/30.4 18											
5 21	18 58.02	-11 14.7	1.942	2.748	15.2	20.5	<b>244382</b>	2002 <i>PE</i> <sub>26</sub>	6 29.7 324°32' 4°5'/30.6 17				
5 31	18 54.97	-10 54.0	1.853	2.740	12.5	20.3	5 21	18 58.32	-11 29.7	1.665	2.481	16.9	20.0
6 10	18 49.74	-10 43.0	1.783	2.732	9.4	20.1	5 31	18 55.70	-11 24.1	1.574	2.469	13.9	19.7
6 20	18 42.78	-10 43.0	1.736	2.724	6.3	19.9	6 10	18 50.55	-11 31.0	1.502	2.457	10.4	19.5
6 30	18 34.84	-10 54.5	1.714	2.716	4.6	19.7	6 20	18 43.32	-11 51.5	1.453	2.445	6.7	19.3
7 10	18 26.83	-11 16.8	1.719	2.709	6.1	19.8	6 30	18 34.85	-12 25.4	1.427	2.434	4.5	19.1
7 20	18 19.69	-11 48.4	1.748	2.703	9.2	20.0	7 10	18 26.23	-13 10.7	1.427	2.423	6.3	19.2
7 30	18 14.23	-12 26.8	1.802	2.697	12.5	20.2	7 20	18 18.56	-14 4.5	1.452	2.413	10.1	19.4
							7 30	18 12.86	-15 3.4	1.499	2.403	13.9	19.6
<b>213070</b>	1999 <i>TU</i> <sub>50</sub>	6 29.7 346°41' 2°8'/29.9 17											
5 21	18 57.40	-18 25.5	1.137	1.995	20.5	20.2	<b>250813</b>	2005 <i>UX</i> <sub>54</sub>	6 29.7 216°40' 2°3'/29.9 18				
5 31	18 56.10	-18 4.9	1.063	1.987	16.5	19.9	5 21	19 0.15	-15 57.9	2.913	3.701	11.1	21.4
6 10	18 51.42	-17 51.7	1.006	1.979	11.8	19.6	5 31	18 55.80	-15 36.3	2.812	3.693	8.9	21.2
6 20	18 43.92	-17 46.5	0.969	1.973	6.5	19.3	6 10	18 49.85	-15 18.4	2.735	3.686	6.4	21.0
6 30	18 34.79	-17 49.0	0.953	1.967	2.8	19.1	6 20	18 42.70	-15 4.4	2.683	3.677	3.8	20.8
7 10	18 25.62	-17 58.2	0.959	1.963	6.7	19.3	6 30	18 34.89	-14 54.5	2.660	3.669	2.3	20.7
7 20	18 17.98	-18 12.7	0.987	1.960	12.0	19.6	7 10	18 27.06	-14 48.8	2.665	3.660	3.9	20.8
7 30	18 13.15	-18 31.2	1.034	1.958	16.9	19.8	7 20	18 19.83	-14 47.0	2.699	3.651	6.5	21.0
							7 30	18 13.80	-14 49.0	2.759	3.641	9.1	21.1
<b>499988</b>	2011 <i>PT</i>	6 29.7 286°29' 4°1'/28.9 17											
5 21	18 54.86	-23 8.3	0.463	1.389	29.5	24.2	<b>476188</b>	2007 <i>UT</i> <sub>17</sub>	6 29.7 338°72' 2°8'/29.3 16				
5 31	18 58.71	-23 52.7	0.393	1.359	24.4	23.7	5 21	19 2.87	-28 48.1	1.832	2.655	15.4	21.4
6 10	18 57.14	-25 1.0	0.334	1.327	17.9	23.1	5 31	18 59.25	-29 16.2	1.749	2.652	12.3	21.2
6 20	18 49.14	-26 35.5	0.284	1.295	9.9	22.4	6 10	18 52.94	-29 43.8	1.686	2.650	8.7	20.9
6 30	18 44.51	-28 30.5	0.246	1.262	4.3	21.7	6 20	18 44.49	-30 7.3	1.647	2.647	4.9	20.7
7 10	18 15.06	-30 30.8	0.219	1.229	13.4	21.8	6 30	18 34.84	-30 23.2	1.633	2.645	2.8	20.6
7 20	17 54.46	-32 17.7	0.203	1.196	25.0	22.0	7 10	18 25.19	-30 29.4	1.646	2.643	5.5	20.7
7 30	17 37.82	-33 42.0	0.193	1.164	36.3	22.1	7 20	18 16.71	-30 25.9	1.684	2.642	9.3	21.0
							7 30	18 10.39	-30 14.4	1.746	2.640	12.9	21.2
<b>34631</b>	2000 <i>UY</i> <sub>107</sub>	6 29.7 143°00' 0°4'/29.8 18											
5 21	19 0.99	-20 4.7	2.799	3.594	11.3	19.0	<b>497074</b>	2003 <i>UB</i> <sub>392</sub>	6 29.7 194°10' 1°0'/29.9 17				
5 31	18 56.51	-20 24.3	2.714	3.603	9.0	18.9	5 21	19 5.13	-18 40.7	1.705	2.520	16.6	22.4
6 10	18 50.35	-20 47.5	2.652	3.611	6.2	18.7	5 31	19 1.05	-19 0.7	1.620	2.520	13.3	22.1
6 20	18 42.93	-21 13.1	2.617	3.619	3.2	18.5	6 10	18 54.22	-19 28.6	1.555	2.518	9.3	21.9
6 30	18 34.84	-21 39.4	2.610	3.627	0.4	18.3	6 20	18 45.16	-20 2.6	1.514	2.517	4.9	21.6
7 10	18 26.78	-22 5.1	2.633	3.634	3.3	18.5	6 30	18 34.81	-20 40.0	1.498	2.514	1.0	21.3
7 20	18 19.41	-22 29.1	2.684	3.641	6.3	18.7	7 10	18 24.40	-21 17.8	1.510	2.512	5.0	21.6
7 30	18 13.34	-22 51.0	2.761	3.648	8.9	18.9	7 20	18 15.11	-21 53.8	1.547	2.509	9.5	21.9
							7 30	18 8.01	-22 26.9	1.607	2.506	13.5	22.1
<b>308594</b>	2005 <i>VG</i> <sub>37</sub>	6 29.7 19°25' 5°1'/28.0 18											
5 21	19 3.96	-33 44.5	2.176	2.984	13.7	20.0	<b>130926</b>	2000 <i>WF</i> <sub>19</sub>	6 29.7 202°61' 5°3'/30.4 18				
5 31	18 59.91	-35 1.3	2.095	2.985	11.2	19.8	5 21	19 2.31	-7 24.7	2.494	3.261	13.3	20.2
6 10	18 53.32	-36 16.8	2.037	2.986	8.4	19.6	5 31	18 57.74	-6 51.5	2.398	3.256	11.1	20.1
6 20	18 44.66	-37 25.5	2.003	2.988	5.9	19.5	6 10	18 51.33	-6 27.3	2.324	3.251	8.6	19.9
6 30	18 34.77	-38 21.9	1.996	2.989	5.1	19.4	6 20	18 43.50	-6 13.6	2.274	3.245	6.4	19.7
7 10	18 24.78	-39 2.7	2.016	2.991	6.8	19.5	6 30	18 34.88	-6 11.7	2.252	3.238	5.3	19.6
7 20	18 15.78	-39 26.7	2.062	2.993	9.4	19.7	7 10	18 26.21	-6 21.5	2.257	3.230	6.2	19.7
7 30	18 8.75	-39 35.7	2.132	2.995	12.1	19.9	7 20	18 18.25	-6 42.1	2.288	3.222	8.5	19.8
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>369036</b>	2008 AC <sub>109</sub>		6 29.7 94°74	1°0/29.6	17		<b>87879</b>	2000 SH <sub>275</sub>		6 29.7 123°69	0°6/29.5	18	
5 21	19 6.45	-25 58.6	1.546	2.373	17.5	21.1	5 21	19 1.66	-23 41.5	2.497	3.301	12.3	19.1
5 31	19 2.32	-25 55.3	1.471	2.378	13.9	20.9	5 31	18 57.33	-24 3.5	2.415	3.309	9.7	18.9
6 10	18 55.15	-25 51.6	1.416	2.383	9.7	20.7	6 10	18 51.09	-24 27.5	2.356	3.317	6.7	18.8
6 20	18 45.60	-25 45.2	1.383	2.387	5.0	20.4	6 20	18 43.40	-24 51.6	2.322	3.325	3.4	18.6
6 30	18 34.81	-25 33.8	1.376	2.392	1.0	20.1	6 30	18 34.95	-25 13.7	2.316	3.332	0.6	18.4
7 10	18 24.19	-25 16.9	1.394	2.397	5.3	20.5	7 10	18 26.54	-25 32.5	2.339	3.340	3.7	18.6
7 20	18 15.07	-24 55.6	1.438	2.401	9.9	20.7	7 20	18 18.94	-25 47.2	2.390	3.347	6.9	18.8
7 30	18 8.46	-24 32.2	1.504	2.406	14.0	21.0	7 30	18 12.85	-25 57.9	2.466	3.354	9.8	19.0
<b>436637</b>	2011 QC <sub>17</sub>		6 29.7 339°91	1°5/29.8	16		<b>513122</b>	2017 WU <sub>27</sub>		6 29.7 282°00	0°6/29.6	18	
5 21	18 58.02	-20 41.2	1.508	2.348	17.3	21.0	5 21	19 4.89	-24 5.2	1.608	2.434	17.0	22.2
5 31	18 55.80	-20 21.6	1.422	2.336	13.8	20.7	5 31	19 1.48	-24 9.6	1.503	2.409	13.7	21.9
6 10	18 50.79	-20 5.4	1.355	2.324	9.7	20.4	6 10	18 54.97	-24 16.3	1.417	2.384	9.7	21.6
6 20	18 43.49	-19 52.4	1.310	2.314	5.2	20.1	6 20	18 45.78	-24 23.1	1.354	2.359	5.0	21.2
6 30	18 34.88	-19 42.2	1.288	2.304	1.5	19.9	6 30	18 34.86	-24 27.4	1.316	2.333	0.6	20.8
7 10	18 26.22	-19 34.4	1.292	2.295	5.4	20.1	7 10	18 23.55	-24 27.2	1.304	2.307	5.5	21.1
7 20	18 18.74	-19 29.2	1.319	2.288	10.1	20.4	7 20	18 13.32	-24 22.1	1.316	2.280	10.6	21.4
7 30	18 13.52	-19 26.8	1.368	2.281	14.4	20.6	7 30	18 5.47	-24 13.6	1.351	2.254	15.3	21.6
<b>193443</b>	2000 WC <sub>131</sub>		6 29.7 329°60	2°6/29.1	18		<b>191225</b>	2002 RN <sub>150</sub>		6 29.7 19°18	2°3/29.9	18	
5 21	18 54.70	-24 39.3	1.203	2.067	19.2	19.3	5 21	18 58.78	-16 53.9	2.486	3.288	12.4	19.7
5 31	18 54.41	-25 24.2	1.106	2.035	15.6	18.9	5 31	18 54.99	-16 28.6	2.400	3.289	9.9	19.5
6 10	18 50.71	-26 17.7	1.027	2.003	11.1	18.6	6 10	18 49.43	-16 7.2	2.335	3.290	7.1	19.4
6 20	18 43.88	-27 16.3	0.967	1.973	6.0	18.2	6 20	18 42.55	-15 50.0	2.295	3.292	4.1	19.2
6 30	18 34.86	-28 14.0	0.929	1.944	2.7	17.9	6 30	18 34.98	-15 37.2	2.283	3.294	2.3	19.0
7 10	18 25.21	-29 4.4	0.914	1.917	7.2	18.0	7 10	18 27.46	-15 29.0	2.299	3.295	4.2	19.2
7 20	18 16.76	-29 43.4	0.919	1.891	12.9	18.3	7 20	18 20.70	-15 25.1	2.342	3.297	7.1	19.4
7 30	18 11.20	-30 9.8	0.943	1.867	18.2	18.5	7 30	18 15.31	-15 25.3	2.409	3.299	9.9	19.5
<b>131771</b>	2002 AB <sub>17</sub>		6 29.7 292°47	3°7/29.9	18		<b>47395</b>	1999 XM <sub>111</sub>		6 29.7 181°36	6°1/28.9	18	
5 21	19 2.68	-17 0.3	1.368	2.201	19.0	19.4	5 21	19 12.90	-39 6.2	2.138	2.924	14.6	19.6
5 31	18 59.82	-16 23.9	1.280	2.188	15.5	19.1	5 31	19 7.08	-39 50.0	2.054	2.926	12.1	19.4
6 10	18 53.78	-15 53.4	1.211	2.175	11.2	18.8	6 10	18 58.31	-40 26.8	1.992	2.927	9.4	19.3
6 20	18 45.11	-15 29.9	1.163	2.163	6.6	18.5	6 20	18 47.20	-40 50.7	1.953	2.927	7.0	19.1
6 30	18 34.84	-15 14.6	1.138	2.150	3.7	18.3	6 30	18 34.82	-40 56.8	1.941	2.926	6.1	19.0
7 10	18 24.41	-15 7.8	1.138	2.137	6.8	18.4	7 10	18 22.53	-40 43.4	1.956	2.924	7.4	19.1
7 20	18 15.28	-15 9.3	1.160	2.125	11.7	18.7	7 20	18 11.61	-40 11.9	1.997	2.922	10.0	19.3
7 30	18 8.70	-15 18.6	1.204	2.113	16.3	18.9	7 30	18 3.11	-39 26.6	2.062	2.919	12.7	19.4
<b>23436</b>	Alekfursenko		6 29.7 260°27	0°9/29.6	18 R		<b>481310</b>	2005 YE <sub>273</sub>		6 29.7 287°84	2°4/29.8	17	
5 21	19 1.44	-25 42.7	2.621	3.424	11.8	19.3	5 21	19 8.03	-32 41.7	2.409	3.203	13.0	21.1
5 31	18 57.24	-25 49.0	2.515	3.408	9.4	19.1	5 31	19 2.77	-32 22.0	2.290	3.175	10.5	20.9
6 10	18 51.10	-25 55.4	2.432	3.392	6.5	18.9	6 10	18 55.11	-31 55.6	2.193	3.147	7.6	20.6
6 20	18 43.45	-26 0.3	2.374	3.376	3.4	18.6	6 20	18 45.55	-31 20.0	2.122	3.118	4.4	20.4
6 30	18 34.91	-26 2.2	2.344	3.360	0.9	18.4	6 30	18 34.89	-30 33.6	2.078	3.089	2.4	20.2
7 10	18 26.29	-26 0.2	2.343	3.343	3.7	18.6	7 10	18 24.16	-29 36.7	2.064	3.060	4.6	20.3
7 20	18 18.38	-25 54.2	2.369	3.326	7.0	18.8	7 20	18 14.38	-28 31.6	2.078	3.031	8.1	20.5
7 30	18 11.90	-25 45.0	2.421	3.309	10.0	19.0	7 30	18 6.42	-27 21.9	2.119	3.002	11.4	20.6
<b>182815</b>	2002 AF <sub>151</sub>		6 29.7 79°16	3°2/29.4	18		<b>60133</b>	1999 TM <sub>266</sub>		6 29.7 119°62	5°7/29.9	18	
5 21	19 4.08	-32 41.7	2.266	3.072	13.3	19.7	5 21	19 2.74	-10 52.0	1.936	2.731	15.7	19.5
5 31	18 59.58	-32 55.9	2.186	3.077	10.7	19.5	5 31	18 58.52	-9 50.6	1.857	2.735	12.9	19.3
6 10	18 52.78	-33 5.9	2.128	3.083	7.7	19.3	6 10	18 52.08	-8 56.7	1.798	2.739	9.8	19.1
6 20	18 44.27	-33 8.8	2.094	3.088	4.7	19.2	6 20	18 43.95	-8 12.9	1.763	2.744	7.0	18.9
6 30	18 34.89	-33 2.1	2.087	3.094	3.2	19.1	6 30	18 34.95	-7 41.5	1.754	2.748	5.7	18.9
7 10	18 25.65	-32 45.2	2.108	3.099	5.1	19.2	7 10	18 26.03	-7 23.6	1.772	2.752	7.0	19.0
7 20	18 17.49	-32 19.2	2.156	3.105	8.0	19.4	7 20	18 18.13	-7 19.0	1.814	2.755	9.8	19.1
7 30	18 11.18	-31 46.4	2.228	3.111	10.9	19.6	7 30	18 12.00	-7 26.3	1.881	2.759	12.8	19.3
<b>513083</b>	2017 WM <sub>21</sub>		6 29.7 195°14	0°0/29.7	18		<b>54083</b>	2000 GQ <sub>162</sub>		6 29.7 260°28	0°4/29.8	18	
5 21	19 4.21	-21 58.4	2.298	3.100	13.3	21.9	5 21	19 3.70	-20 12.3	1.737	2.556	16.2	19.0
5 31	18 59.58	-22 12.6	2.206	3.098	10.6	21.7	5 31	19 0.06	-20 35.6	1.643	2.545	13.0	18.8
6 10	18 52.80	-22 30.0	2.135	3.095	7.3	21.5	6 10	18 53.66	-21 6.0	1.569	2.533	9.1	18.5
6 20	18 44.33	-22 48.9	2.089	3.092	3.7	21.3	6 20	18 44.99	-21 41.5	1.518	2.522	4.7	18.2
6 30	18 34.90	-23 7.4	2.072	3.088	0.1	21.0	6 30	18 34.90	-22 19.2	1.493	2.510	0.4	17.9
7 10	18 25.44	-23 23.8	2.083	3.084	4.0	21.3	7 10	18 24.62	-22 55.9	1.495	2.498	5.0	18.2
7 20	18 16.83	-23 37.4	2.121	3.079	7.6	21.5	7 20	18 15.36	-23 29.5	1.522	2.485	9.6	18.4
7 30	18 9.88	-23 48.3	2.185	3.074	10.9	21.7	7 30	18 8.22	-23 59.2	1.573	2.473	13.7	18.6
<b>446644</b>	2015 MJ <sub>125</sub>		6 29.7 304°12	2°3/29.7	16		<b>95373</b>	2002 CK <sub>163</sub>		6 29.7 190°00	4°2/29.1	18	
5 21	19 0.99	-19 15.2	2.062	2.874	14.3	21.7	5 21	19 8.20	-34 2.1	2.159	2.959	14.1	20.5
5 31	18 57.42	-18 36.8	1.951	2.848	11.5	21.4	5 31	19 3.15	-34 35.5	2.073	2.959	11.4	20.3
6 10	18 51.55	-17 59.4	1.860	2.821	8.2	21.2	6 10	18 55.49	-35 4.9	2.007	2.957	8.4	20.1
6 20	18 43.81	-17 23.8	1.794	2.794	4.7	20.9	6 20	18 45.76	-35 25.9	1.966	2.956	5.5	20.0
6 30	18 34.92	-16 50.7	1.754	2.767	2.3	20.7	6 30	18 34.89	-35 34.8	1.952	2.953	4.2	19.9
7 10	18 25.86	-16 21.0	1.741	2.740	5.0	20.8	7 10	18 24.05	-35 29.7	1.966	2.950	6.0	20.0
7 20	18 17.59	-15 55.7	1.755	2.713	8.9	21.0	7 20	18 14.36	-35 11.4	2.005	2.947	9.0	20.2
7 30	18 11.03	-15 35.8	1.792	2.687	12.6	21.2	7 30	18 6.76	-34 42.8	2.070	2.943	12.0	20.3
<b>43517</b>	2001 DO <sub>13</sub>		6 29.7 236°77	2°8/30.4	18		<b>440937</b>	2006 XW <sub>71</sub>		6 29.7 166°45	0°6/29.7	18	
5 21	18 58.												

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>212981</b>	Majalitiović		6 29.7 138°57'	1.4°/29.5 17			<b>314446</b>	2005 VF <sub>65</sub>		6 29.7 256°17'	0.8°/29.9 16		
5 21	19 9.57	-25 34.3	1.716	2.530	16.6	22.0	5 21	19 0.58	-20 5.9	2.532	3.333	12.2	22.3
5 31	19 4.48	-25 52.4	1.643	2.542	13.2	21.8	5 31	18 56.58	-20 9.3	2.428	3.320	9.7	22.1
6 10	18 56.50	-26 11.8	1.589	2.552	9.2	21.6	6 10	18 50.69	-20 16.2	2.346	3.306	6.8	21.9
6 20	18 46.27	-26 29.1	1.560	2.563	4.7	21.3	6 20	18 43.31	-20 25.6	2.290	3.292	3.6	21.6
6 30	18 34.89	-26 41.1	1.557	2.572	1.4	21.1	6 30	18 35.05	-20 36.6	2.261	3.277	0.8	21.4
7 10	18 23.67	-26 46.0	1.580	2.581	5.1	21.4	7 10	18 26.69	-20 48.2	2.261	3.262	3.7	21.6
7 20	18 13.85	-26 44.1	1.630	2.589	9.4	21.6	7 20	18 19.01	-20 59.6	2.289	3.248	7.1	21.8
7 30	18 6.42	-26 37.0	1.704	2.597	13.2	21.9	7 30	18 12.71	-21 10.5	2.341	3.232	10.1	21.9
<b>94338</b>	2001 QA <sub>28</sub>		6 29.7 263°46'	2.1°/29.9 18			<b>207230</b>	2005 ED <sub>155</sub>		6 29.7 245°75'	2.6°/29.3 18		
5 21	19 4.85	-17 57.0	1.528	2.351	17.9	20.0	5 21	19 4.01	-29 14.2	2.097	2.909	14.1	20.6
5 31	19 1.39	-17 54.6	1.431	2.334	14.5	19.7	5 31	18 59.87	-29 40.5	2.006	2.903	11.2	20.4
6 10	18 54.86	-17 59.9	1.353	2.316	10.4	19.4	6 10	18 53.26	-30 6.1	1.937	2.897	8.0	20.2
6 20	18 45.72	-18 12.5	1.297	2.299	5.7	19.1	6 20	18 44.69	-30 27.5	1.892	2.891	4.6	20.0
6 30	18 34.90	-18 30.9	1.265	2.280	2.1	18.8	6 30	18 35.00	-30 41.6	1.873	2.884	2.6	19.8
7 10	18 23.76	-18 53.2	1.260	2.262	5.8	19.0	7 10	18 25.27	-30 46.5	1.882	2.878	5.1	20.0
7 20	18 13.74	-19 17.7	1.278	2.243	10.8	19.3	7 20	18 16.54	-30 42.3	1.917	2.871	8.6	20.2
7 30	18 6.09	-19 43.2	1.319	2.223	15.5	19.5	7 30	18 9.74	-30 30.4	1.977	2.864	11.9	20.4
<b>45848</b>	2000 SY <sub>11</sub>		6 29.7 265°83'	3.7°/29.3 18			<b>137553</b>	1999 VY <sub>85</sub>		6 29.7 225°33'	2.9°/29.2 18		
5 21	19 7.76	-30 31.6	1.542	2.368	17.6	18.9	5 21	19 7.62	-28 50.5	1.839	2.652	15.7	20.8
5 31	19 4.00	-30 56.4	1.448	2.352	14.3	18.7	5 31	19 3.18	-29 23.3	1.747	2.644	12.6	20.6
6 10	18 56.83	-31 19.6	1.374	2.336	10.3	18.4	6 10	18 55.83	-29 56.2	1.675	2.636	9.0	20.3
6 20	18 46.74	-31 36.1	1.321	2.320	6.1	18.1	6 20	18 46.10	-30 25.1	1.628	2.627	5.1	20.1
6 30	18 34.86	-31 40.9	1.293	2.304	3.7	17.9	6 30	18 34.96	-30 45.7	1.606	2.617	2.9	19.9
7 10	18 22.77	-31 31.4	1.291	2.287	6.8	18.1	7 10	18 23.68	-30 55.3	1.612	2.607	5.7	20.1
7 20	18 12.07	-31 8.1	1.312	2.270	11.3	18.3	7 20	18 13.58	-30 53.6	1.643	2.597	9.7	20.3
7 30	18 4.13	-30 34.7	1.356	2.253	15.6	18.5	7 30	18 5.75	-30 42.8	1.698	2.586	13.5	20.5
<b>318940</b>	2005 UH <sub>141</sub>		6 29.7 269°14'	3.2°/30.2 18			<b>169130</b>	2001 PV <sub>40</sub>		6 29.7 244°58'	8.7°/30.3 18		
5 21	19 0.09	-13 24.3	2.577	3.366	12.4	21.4	5 21	19 19.90	-42 0.0	1.326	2.134	20.9	19.6
5 31	18 56.15	-13 6.2	2.464	3.343	10.1	21.2	5 31	19 14.79	-42 19.4	1.240	2.123	17.7	19.3
6 10	18 50.37	-12 54.0	2.372	3.320	7.5	21.0	6 10	19 4.90	-42 24.4	1.172	2.112	14.0	19.1
6 20	18 43.13	-12 48.4	2.306	3.296	4.8	20.8	6 20	18 50.98	-42 4.7	1.123	2.100	10.4	18.8
6 30	18 35.00	-12 49.6	2.267	3.272	3.2	20.7	6 30	18 34.82	-41 12.0	1.097	2.087	8.7	18.7
7 10	18 26.72	-12 57.4	2.256	3.248	4.7	20.7	7 10	18 18.89	-39 45.0	1.095	2.074	10.4	18.7
7 20	18 19.02	-13 11.2	2.273	3.223	7.6	20.9	7 20	18 5.49	-37 50.7	1.116	2.061	14.2	18.9
7 30	18 12.61	-13 30.2	2.315	3.199	10.5	21.0	7 30	17 56.23	-35 41.7	1.159	2.047	18.4	19.1
<b>358352</b>	2006 WV <sub>103</sub>		6 29.7 165°74'	0.5°/29.6 18			<b>519364</b>	2011 MN <sub>11</sub>		6 29.7 322°00'	1.0°/29.9 16		
5 21	19 1.83	-23 58.1	2.928	3.724	10.9	22.8	5 21	19 1.27	-19 17.4	1.850	2.669	15.4	21.9
5 31	18 57.18	-24 12.2	2.839	3.728	8.6	22.6	5 31	18 57.80	-19 29.7	1.764	2.666	12.3	21.7
6 10	18 50.85	-24 27.5	2.773	3.733	5.9	22.4	6 10	18 51.89	-19 48.2	1.699	2.662	8.6	21.5
6 20	18 43.27	-24 42.5	2.734	3.736	3.0	22.3	6 20	18 44.02	-20 11.7	1.656	2.659	4.5	21.2
6 30	18 35.02	-24 55.7	2.723	3.740	0.5	22.0	6 30	18 35.04	-20 38.0	1.640	2.656	1.0	20.9
7 10	18 26.79	-25 6.1	2.742	3.743	3.2	22.3	7 10	18 26.01	-21 5.2	1.651	2.653	4.6	21.2
7 20	18 19.25	-25 13.3	2.790	3.745	6.1	22.5	7 20	18 17.99	-21 31.6	1.687	2.651	8.7	21.4
7 30	18 12.99	-25 17.6	2.863	3.747	8.7	22.6	7 30	18 11.88	-21 56.4	1.747	2.648	12.5	21.7
<b>417973</b>	2007 TF <sub>165</sub>		6 29.7 273°43'	4.3°/28.9 17			<b>409268</b>	2004 RW <sub>18</sub>		6 29.7 251°43'	1.9°/29.9 17		
5 21	19 6.84	-30 14.0	1.528	2.356	17.7	21.3	5 21	19 5.71	-18 42.9	1.602	2.421	17.4	22.1
5 31	19 3.43	-30 58.7	1.432	2.338	14.3	21.0	5 31	19 1.91	-18 36.2	1.505	2.406	14.0	21.8
6 10	18 56.57	-31 44.3	1.356	2.319	10.4	20.8	6 10	18 55.12	-18 35.7	1.428	2.391	10.0	21.5
6 20	18 46.70	-32 25.1	1.302	2.300	6.4	20.5	6 20	18 45.83	-18 40.7	1.374	2.375	5.4	21.2
6 30	18 34.89	-32 54.8	1.273	2.281	4.3	20.3	6 30	18 34.98	-18 50.1	1.344	2.359	1.9	20.9
7 10	18 22.72	-33 9.1	1.268	2.262	7.3	20.4	7 10	18 23.89	-19 2.3	1.341	2.342	5.6	21.1
7 20	18 11.86	-33 7.1	1.288	2.243	11.7	20.6	7 20	18 13.90	-19 16.4	1.362	2.325	10.4	21.4
7 30	18 3.76	-32 51.7	1.329	2.223	16.0	20.8	7 30	18 6.23	-19 31.8	1.406	2.308	14.9	21.6
<b>478325</b>	2011 WA <sub>97</sub>		6 29.7 175°76'	0.2°/29.7 18			<b>28953</b>	Hollyerickson		6 29.7 284°21'	0.9°/29.8 18		
5 21	19 1.11	-21 43.9	2.712	3.511	11.6	22.6	5 21	19 2.42	-21 7.6	1.811	2.631	15.6	19.4
5 31	18 56.75	-21 52.8	2.621	3.512	9.1	22.4	5 31	18 58.89	-21 0.1	1.715	2.617	12.5	19.2
6 10	18 50.64	-22 4.1	2.554	3.514	6.3	22.3	6 10	18 52.77	-20 56.0	1.639	2.603	8.8	18.9
6 20	18 43.20	-22 16.6	2.512	3.515	3.2	22.0	6 20	18 44.53	-20 54.2	1.586	2.589	4.6	18.7
6 30	18 35.03	-22 29.0	2.499	3.515	0.2	21.8	6 30	18 35.03	-20 53.6	1.559	2.575	0.9	18.4
7 10	18 26.88	-22 40.4	2.514	3.515	3.4	22.1	7 10	18 25.41	-20 53.3	1.558	2.561	4.8	18.6
7 20	18 19.43	-22 50.1	2.557	3.515	6.5	22.3	7 20	18 16.79	-20 53.1	1.583	2.546	9.2	18.8
7 30	18 13.33	-22 58.2	2.627	3.515	9.3	22.4	7 30	18 10.17	-20 53.3	1.631	2.532	13.2	19.0
<b>449463</b>	2013 LR <sub>11</sub>		6 29.7 248°18'	4.6°/ 1.1 18			<b>471674</b>	2012 TT <sub>175</sub>		6 29.7 263°93'	3.8°/29.2 17		
5 21	18 57.31	- 6 2.0	2.830	3.596	11.9	21.1	5 21	19 5.05	-31 30.8	1.908	2.724	15.1	21.6
5 31	18 53.64	- 5 54.7	2.735	3.591	9.9	20.9	5 31	19 1.03	-32 4.4	1.822	2.719	12.2	21.4
6 10	18 48.45	- 5 57.5	2.661	3.586	7.8	20.8	6 10	18 54.25	-32 35.9	1.756	2.714	8.8	21.2
6 20	18 42.09	- 6 11.2	2.612	3.582	5.7	20.6	6 20	18 45.27	-33 1.0	1.713	2.709	5.4	21.0
6 30	18 35.08	- 6 36.2	2.590	3.577	4.7	20.5	6 30	18 35.02	-33 15.6	1.697	2.704	3.8	20.9
7 10	18 28.03	- 7 11.4	2.596	3.572	5.4	20.6	7 10	18 24.75	-33 17.5	1.707	2.699	6.0	21.0
7 20	18 21.55	- 7 55.3	2.629	3.567	7.3	20.7	7 20	18 15.65	-33 7.1	1.743	2.694	9.5	21.2
7 30	18 16.19	- 8 45.7	2.687	3.562	9.6	20.8	7 30	18 8.74	-32 46.9	1.802	2.689	12.9	21.4
<b>139893</b>	2001 RT <sub>93</sub>		6 29.7 303°28'	0.1°/29.7 18			<b>127817</b>	2003 FK <sub>88</sub>		6 29.7 332°87'	3.7°/28.8 18 R		



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>198416</b>	2004 <i>VU</i> <sub>70</sub>		6 29.7 153°09	0°7/29.6	18		<b>437943</b>	2002 <i>RW</i> <sub>160</sub>		6 29.7 313°51	2°1/30.0	16	
5 21	19 3.94	-23 44.6	1.964	2.779	14.8	20.5	5 21	18 59.17	-17 39.4	1.676	2.503	16.4	21.1
5 31	18 59.78	-24 5.3	1.882	2.781	11.7	20.3	5 31	18 56.61	-17 36.1	1.575	2.480	13.3	20.8
6 10	18 53.17	-24 28.9	1.820	2.784	8.1	20.1	6 10	18 51.40	-17 40.0	1.494	2.458	9.5	20.6
6 20	18 44.64	-24 52.7	1.783	2.786	4.1	19.9	6 20	18 43.97	-17 51.0	1.435	2.437	5.3	20.3
6 30	18 35.05	-25 14.3	1.772	2.788	0.8	19.6	6 30	18 35.12	-18 8.2	1.401	2.415	2.1	20.0
7 10	18 25.48	-25 31.6	1.789	2.790	4.5	19.9	7 10	18 26.02	-18 30.1	1.392	2.395	5.3	20.2
7 20	18 16.96	-25 43.9	1.832	2.792	8.4	20.1	7 20	18 17.84	-18 55.0	1.408	2.374	9.9	20.4
7 30	18 10.38	-25 51.6	1.899	2.793	12.0	20.3	7 30	18 11.68	-19 21.7	1.447	2.355	14.1	20.6
<b>260219</b>	2004 <i>RM</i> <sub>213</sub>		6 29.7 284°61	3°1/29.8	18		<b>391392</b>	2006 <i>XU</i> <sub>32</sub>		6 29.7 342°23	1°8/29.2	18	
5 21	19 0.69	-16 6.5	2.378	3.177	13.0	20.4	5 21	19 1.19	-25 4.1	1.997	2.817	14.4	20.9
5 31	18 56.72	-15 23.5	2.274	3.160	10.5	20.2	5 31	18 57.74	-25 50.3	1.910	2.813	11.4	20.7
6 10	18 50.82	-14 43.4	2.191	3.144	7.7	19.9	6 10	18 51.87	-26 40.2	1.845	2.810	8.0	20.4
6 20	18 43.39	-14 7.3	2.133	3.127	4.7	19.7	6 20	18 44.07	-27 30.5	1.804	2.807	4.2	20.2
6 30	18 35.09	-13 36.2	2.103	3.110	3.1	19.6	6 30	18 35.13	-28 17.1	1.790	2.804	1.9	20.0
7 10	18 26.72	-13 11.0	2.101	3.093	4.9	19.7	7 10	18 26.09	-28 57.0	1.803	2.802	4.8	20.2
7 20	18 19.08	-12 52.5	2.125	3.077	8.0	19.8	7 20	18 18.00	-29 28.4	1.842	2.800	8.6	20.5
7 30	18 12.89	-12 40.6	2.174	3.060	11.0	20.0	7 30	18 11.78	-29 51.2	1.905	2.798	12.0	20.7
<b>299785</b>	2006 <i>SC</i> <sub>77</sub>		6 29.7 164°40	0°9/29.8	16		<b>306230</b>	2011 <i>QM</i> <sub>61</sub>		6 29.7 342°26	16°7/30.9	16	
5 21	19 1.58	-20 28.0	2.134	2.944	13.9	21.3	5 21	18 52.52	+ 8 31.4	1.406	2.172	21.8	19.6
5 31	18 57.63	-20 25.3	2.048	2.945	11.1	21.1	5 31	18 51.54	+10 29.2	1.331	2.154	20.2	19.4
6 10	18 51.52	-20 26.0	1.983	2.945	7.7	20.9	6 10	18 47.96	+12 4.2	1.272	2.137	18.5	19.2
6 20	18 43.75	-20 29.3	1.943	2.945	4.0	20.7	6 20	18 42.22	+13 7.0	1.229	2.122	17.3	19.1
6 30	18 35.08	-20 34.1	1.930	2.946	0.9	20.4	6 30	18 35.18	+13 29.6	1.204	2.108	16.7	19.0
7 10	18 26.44	-20 39.5	1.944	2.946	4.1	20.7	7 10	18 27.98	+13 8.6	1.196	2.096	17.1	19.0
7 20	18 18.71	-20 44.9	1.985	2.946	7.8	20.9	7 20	18 21.80	+12 5.6	1.205	2.086	18.4	19.1
7 30	18 12.67	-20 50.5	2.051	2.946	11.2	21.1	7 30	18 17.69	+10 26.9	1.232	2.077	20.2	19.1
<b>464522</b>	2016 <i>CW</i> <sub>9</sub>		6 29.7 131°16	0°6/29.8	17		<b>259792</b>	2004 <i>BK</i> <sub>59</sub>		6 29.7 210°34	2°3/30.1	17	
5 21	19 8.61	-21 35.7	1.510	2.332	18.1	22.7	5 21	19 5.24	-16 9.8	1.981	2.781	15.2	21.7
5 31	19 4.02	-21 33.0	1.439	2.342	14.4	22.5	5 31	19 0.77	-16 9.5	1.886	2.775	12.2	21.5
6 10	18 56.36	-21 34.2	1.386	2.351	10.0	22.2	6 10	18 53.89	-16 16.4	1.813	2.769	8.8	21.3
6 20	18 46.30	-21 37.6	1.357	2.360	5.1	22.0	6 20	18 45.07	-16 30.2	1.763	2.761	5.0	21.1
6 30	18 35.00	-21 41.1	1.352	2.369	0.7	21.6	6 30	18 35.10	-16 49.8	1.741	2.754	2.3	20.9
7 10	18 23.89	-21 43.5	1.374	2.377	5.3	22.0	7 10	18 25.03	-17 13.7	1.746	2.745	4.9	21.0
7 20	18 14.27	-21 44.6	1.421	2.384	10.1	22.3	7 20	18 15.89	-17 40.2	1.778	2.736	8.8	21.2
7 30	18 7.20	-21 45.1	1.490	2.391	14.2	22.6	7 30	18 8.59	-18 8.4	1.834	2.726	12.4	21.4
<b>129241</b>	2005 <i>QS</i> <sub>13</sub>		6 29.7 334°66	0°8/29.6	18		<b>101370</b>	1998 <i>UM</i> <sub>4</sub>		6 29.7 325°40	5°1/30.2	17	
5 21	18 57.14	-25 13.2	2.396	3.213	12.4	19.7	5 21	18 55.78	-14 27.3	1.196	2.047	20.1	19.0
5 31	18 54.09	-25 20.8	2.296	3.197	9.8	19.5	5 31	18 54.90	-13 54.9	1.105	2.022	16.6	18.7
6 10	18 49.09	-25 29.1	2.218	3.183	6.8	19.3	6 10	18 50.81	-13 32.2	1.031	1.998	12.4	18.4
6 20	18 42.56	-25 36.7	2.165	3.169	3.5	19.0	6 20	18 43.89	-13 22.1	0.977	1.975	7.8	18.1
6 30	18 35.15	-25 41.9	2.139	3.155	0.8	18.8	6 30	18 35.13	-13 26.3	0.943	1.953	5.1	17.8
7 10	18 27.67	-25 43.8	2.140	3.142	3.8	19.0	7 10	18 25.98	-13 44.8	0.932	1.932	7.8	17.9
7 20	18 20.93	-25 42.2	2.168	3.129	7.2	19.2	7 20	18 18.03	-14 15.9	0.941	1.912	12.8	18.1
7 30	18 15.66	-25 37.5	2.221	3.118	10.4	19.4	7 30	18 12.71	-14 56.5	0.970	1.894	17.8	18.3
<b>2308</b>	Schilt		6 29.7 4°69	11°2/27.1	18	R	<b>497943</b>	2006 <i>WA</i> <sub>133</sub>		6 29.7 187°85	0°7/29.6	17	
5 21	19 3.63	-40 51.2	1.273	2.110	20.0	15.0	5 21	19 6.60	-24 3.2	1.999	2.807	14.8	22.7
5 31	19 2.00	-42 48.8	1.212	2.109	17.0	14.8	5 31	19 1.88	-24 19.9	1.911	2.807	11.8	22.5
6 10	18 56.17	-44 39.2	1.169	2.110	14.0	14.7	6 10	18 54.66	-24 39.0	1.844	2.806	8.2	22.2
6 20	18 46.69	-46 10.7	1.146	2.111	11.7	14.5	6 20	18 45.44	-24 58.0	1.801	2.804	4.2	22.0
6 30	18 35.01	-47 12.1	1.145	2.114	11.3	14.5	6 30	18 35.09	-25 14.2	1.786	2.802	0.8	21.7
7 10	18 23.27	-47 37.6	1.164	2.118	12.9	14.6	7 10	18 24.73	-25 25.8	1.798	2.800	4.5	22.0
7 20	18 13.58	-47 28.6	1.204	2.123	15.6	14.8	7 20	18 15.42	-25 32.4	1.838	2.796	8.5	22.2
7 30	18 7.56	-46 51.7	1.262	2.129	18.5	15.0	7 30	18 8.08	-25 34.7	1.902	2.793	12.1	22.5
<b>112640</b>	2002 <i>PW</i> <sub>81</sub>		6 29.7 346°45	2°3/29.9	18		<b>365822</b>	2011 <i>SO</i> <sub>187</sub>		6 29.7 158°60	4°0/30.1	17	
5 21	18 54.74	-19 10.5	1.060	1.928	20.9	19.0	5 21	19 6.53	-14 45.4	1.559	2.371	18.1	21.7
5 31	18 54.33	-18 54.1	0.986	1.916	16.9	18.7	5 31	19 2.24	-14 16.4	1.482	2.376	14.7	21.5
6 10	18 50.45	-18 45.0	0.929	1.905	12.0	18.4	6 10	18 55.09	-13 55.7	1.424	2.380	10.7	21.2
6 20	18 43.66	-18 43.7	0.891	1.896	6.5	18.0	6 20	18 45.70	-13 44.1	1.388	2.383	6.5	21.0
6 30	18 35.11	-18 49.6	0.873	1.888	2.3	17.7	6 30	18 35.09	-13 42.1	1.378	2.386	4.0	20.9
7 10	18 26.48	-19 1.2	0.877	1.882	6.7	18.0	7 10	18 24.55	-13 49.1	1.393	2.389	6.4	21.0
7 20	18 19.40	-19 17.1	0.901	1.878	12.3	18.3	7 20	18 15.31	-14 4.0	1.433	2.391	10.5	21.2
7 30	18 15.23	-19 35.8	0.944	1.875	17.4	18.6	7 30	18 8.39	-14 25.3	1.496	2.393	14.4	21.5
<b>72047</b>	2000 <i>YZ</i> <sub>6</sub>		6 29.7 97°47	2°1/29.6	17		<b>434763</b>	2006 <i>HV</i> <sub>153</sub>		6 29.7 118°59	7°8/26.9	17	
5 21	19 5.59	-27 45.3	1.588	2.408	17.5	19.5	5 21	19 13.04	-40 38.2	2.155	2.938	14.6	20.8
5 31	19 4.66	-27 57.4	1.523	2.425	13.8	19.3	5 31	19 7.60	-42 30.0	2.088	2.952	12.3	20.7
6 10	18 56.69	-28 8.4	1.479	2.442	9.7	19.1	6 10	18 59.02	-44 16.3	2.043	2.965	10.0	20.6
6 20	18 46.42	-28 14.7	1.457	2.459	5.1	18.9	6 20	18 47.82	-45 49.0	2.024	2.977	8.2	20.5
6 30	18 35.05	-28 13.3	1.461	2.475	2.1	18.7	6 30	18 35.02	-47 0.5	2.031	2.989	7.9	20.5
7 10	18 24.01	-28 3.1	1.491	2.491	5.4	19.0	7 10	18 22.06	-47 46.8	2.064	3.001	9.1	20.6
7 20	18 14.57	-27 45.4	1.547	2.507	9.7	19.3	7 20	18 10.36	-48 7.9	2.123	3.012	11.1	20.7
7 30	18 7.70	-27 23.0	1.626	2.522	13.5	19.5	7 30	18 1.15	-48 7.7	2.203	3.023	13.3	20.9
<b>228595</b>	2002 <i>AV</i> <sub>71</sub>		6 29.7 157°45	0°5/29.6	18		<b>105598&lt;/</b>						

EPHEMERIDES

6 29.7

6 29.7

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>476255</b>	2007 <i>VW</i> <sub>97</sub>		6 29.7 287°36	2°3/29.4	18		<b>98256</b>	2000 <i>SD</i> <sub>181</sub>		6 29.7 283°45	0°7/29.9	18	
5 21	19 3.00	-28 0.8	1.967	2.785	14.6	21.6	5 21	19 0.91	-18 35.2	2.175	2.983	13.8	19.4
5 31	18 59.30	-28 23.0	1.873	2.774	11.7	21.4	5 31	18 57.27	-19 4.8	2.075	2.971	11.0	19.2
6 10	18 53.03	-28 45.1	1.799	2.762	8.3	21.2	6 10	18 51.45	-19 41.7	1.998	2.959	7.7	19.0
6 20	18 44.69	-29 4.1	1.750	2.751	4.6	20.9	6 20	18 43.86	-20 24.2	1.944	2.947	4.0	18.8
6 30	18 35.13	-29 16.9	1.726	2.739	2.3	20.7	6 30	18 35.20	-21 10.0	1.919	2.935	0.7	18.5
7 10	18 25.46	-29 21.5	1.730	2.728	5.1	20.9	7 10	18 26.37	-21 56.4	1.920	2.923	4.1	18.7
7 20	18 16.81	-29 17.7	1.759	2.717	8.9	21.1	7 20	18 18.29	-22 41.1	1.950	2.911	7.9	18.9
7 30	18 10.15	-29 7.0	1.812	2.705	12.5	21.3	7 30	18 11.81	-23 22.7	2.003	2.899	11.4	19.1
<b>283674</b>	2002 <i>QA</i> <sub>5</sub>		6 29.7 250°96	1°0/29.6	18		<b>308084</b>	2004 <i>UF</i> <sub>1</sub>		6 29.7 151°00	9°8/30.8	18	
5 21	19 4.57	-26 14.8	2.355	3.158	13.0	20.8	5 21	19 7.12	+ 3 14.3	2.233	2.952	16.0	22.2
5 31	19 0.03	-26 16.4	2.248	3.141	10.4	20.6	5 31	19 1.61	+ 4 36.2	2.162	2.965	14.0	22.0
6 10	18 53.26	-26 17.5	2.164	3.124	7.3	20.4	6 10	18 54.07	+ 5 43.2	2.110	2.978	12.1	21.9
6 20	18 44.72	-26 16.2	2.104	3.106	3.8	20.1	6 20	18 45.02	+ 6 31.0	2.080	2.989	10.5	21.8
6 30	18 35.13	-26 10.9	2.072	3.088	1.0	19.9	6 30	18 35.18	+ 6 56.2	2.076	2.999	9.8	21.8
7 10	18 25.43	-26 0.7	2.069	3.069	4.1	20.1	7 10	18 25.44	+ 6 58.0	2.097	3.008	10.3	21.9
7 20	18 16.56	-25 45.8	2.093	3.050	7.7	20.3	7 20	18 16.61	+ 6 37.6	2.142	3.016	11.7	22.0
7 30	18 9.34	-25 27.6	2.142	3.031	11.1	20.5	7 30	18 9.41	+ 5 58.6	2.210	3.024	13.5	22.1
<b>444333</b>	2005 <i>WG</i> <sub>69</sub>		6 29.7 216°57	0°3/29.7	18		<b>393120</b>	2013 <i>BB</i> <sub>31</sub>		6 29.7 117°86	3°2/29.4	17	
5 21	19 1.11	-23 28.0	2.934	3.730	10.8	22.5	5 21	19 4.55	-32 18.1	2.282	3.087	13.3	20.8
5 31	18 56.74	-23 40.6	2.833	3.722	8.6	22.3	5 31	19 0.02	-32 35.2	2.200	3.091	10.7	20.6
6 10	18 50.67	-23 54.7	2.755	3.714	5.9	22.1	6 10	18 53.20	-32 48.5	2.140	3.095	7.7	20.5
6 20	18 43.30	-24 9.0	2.704	3.706	3.0	21.9	6 20	18 44.64	-32 55.1	2.104	3.098	4.7	20.3
6 30	18 35.19	-24 22.1	2.681	3.697	0.3	21.7	6 30	18 35.19	-32 52.5	2.095	3.102	3.2	20.2
7 10	18 27.03	-24 32.8	2.687	3.688	3.2	21.9	7 10	18 25.83	-32 39.6	2.114	3.106	5.0	20.3
7 20	18 19.49	-24 40.8	2.722	3.679	6.2	22.1	7 20	18 17.53	-32 17.5	2.160	3.109	8.0	20.5
7 30	18 13.19	-24 46.1	2.783	3.669	8.9	22.2	7 30	18 11.06	-31 48.4	2.230	3.113	10.9	20.7
<b>387024</b>	2012 <i>SG</i> <sub>7</sub>		6 29.7 190°04	2°3/29.4	16		<b>291054</b>	2005 <i>YZ</i> <sub>62</sub>		6 29.7 318°74	1°3/29.6	18	
5 21	19 4.85	-28 57.2	2.207	3.014	13.6	21.9	5 21	19 0.85	-27 3.0	2.079	2.897	13.9	20.0
5 31	19 0.34	-29 18.6	2.119	3.013	10.9	21.7	5 31	18 57.38	-27 4.5	1.983	2.884	11.1	19.8
6 10	18 53.49	-29 38.9	2.053	3.012	7.7	21.5	6 10	18 51.57	-27 5.1	1.908	2.872	7.8	19.5
6 20	18 44.82	-29 55.2	2.012	3.011	4.3	21.3	6 20	18 43.92	-27 2.8	1.857	2.859	4.1	19.3
6 30	18 35.14	-30 4.6	1.998	3.010	2.3	21.2	6 30	18 35.21	-26 55.9	1.832	2.847	1.3	19.1
7 10	18 25.48	-30 5.7	2.012	3.008	4.7	21.3	7 10	18 26.46	-26 43.4	1.835	2.836	4.4	19.3
7 20	18 16.81	-29 58.7	2.052	3.006	8.1	21.5	7 20	18 18.65	-26 26.0	1.863	2.825	8.2	19.5
7 30	18 9.98	-29 45.2	2.117	3.004	11.3	21.7	7 30	18 12.64	-26 5.1	1.916	2.814	11.7	19.7
<b>256317</b>	2006 <i>WA</i> <sub>194</sub>		6 29.7 18°90	1°3/29.3	18		<b>198097</b>	2004 <i>SL</i> <sub>38</sub>		6 29.7 315°67	10°8/30.6	18	
5 21	19 2.31	-22 55.8	2.124	2.935	13.9	20.1	5 21	18 57.81	- 1 28.7	1.552	2.343	19.1	20.4
5 31	18 58.43	-23 53.8	2.038	2.936	11.0	19.9	5 31	18 55.53	- 0 14.2	1.463	2.325	16.6	20.1
6 10	18 52.26	-24 57.4	1.974	2.938	7.6	19.7	6 10	18 50.65	+ 0 44.8	1.391	2.306	14.1	19.9
6 20	18 44.25	-26 3.1	1.936	2.939	3.9	19.4	6 20	18 43.60	+ 1 22.3	1.339	2.289	11.8	19.7
6 30	18 35.17	-27 6.8	1.925	2.940	1.4	19.3	6 30	18 35.22	+ 1 33.3	1.308	2.272	10.8	19.6
7 10	18 25.98	-28 4.7	1.943	2.942	4.5	19.5	7 10	18 26.62	+ 1 15.8	1.299	2.255	11.6	19.6
7 20	18 17.66	-28 54.5	1.987	2.944	8.1	19.7	7 20	18 18.97	+ 0 31.2	1.312	2.239	14.0	19.7
7 30	18 11.09	-29 35.4	2.056	2.945	11.4	19.9	7 30	18 13.32	- 0 35.9	1.346	2.223	17.0	19.9
<b>2575</b>	Bulgaria		6 29.7 19°30	3°4/29.6	18	R	<b>1433</b>	Geramtina		6 29.7 234°25	2°8/29.4	18	
5 21	19 4.10	-29 45.6	1.114	1.970	21.0	15.4	5 21	19 5.78	-31 9.9	2.354	3.155	13.0	16.7
5 31	19 1.76	-29 56.2	1.052	1.974	16.9	15.2	5 31	19 1.04	-31 24.6	2.255	3.145	10.5	16.5
6 10	18 55.50	-30 3.5	1.007	1.978	12.0	14.9	6 10	18 53.99	-31 36.6	2.178	3.134	7.5	16.3
6 20	18 46.12	-30 2.8	0.981	1.984	6.7	14.7	6 20	18 45.11	-31 42.7	2.126	3.123	4.5	16.1
6 30	18 35.11	-29 50.0	0.977	1.990	3.4	14.5	6 30	18 35.19	-31 40.4	2.102	3.111	2.8	16.0
7 10	18 24.40	-29 24.2	0.996	1.997	7.0	14.7	7 10	18 25.23	-31 28.5	2.105	3.099	4.8	16.1
7 20	18 15.71	-28 48.0	1.036	2.005	12.2	15.0	7 20	18 16.20	-31 7.6	2.136	3.087	8.0	16.3
7 30	18 10.32	-28 6.2	1.097	2.014	16.8	15.3	7 30	18 8.96	-30 39.9	2.192	3.074	11.1	16.4
<b>397767</b>	2008 <i>GF</i> <sub>77</sub>		6 29.7 323°38	4°7/30.6	18		<b>327805</b>	2006 <i>VB</i> <sub>25</sub>		6 29.7 181°58	0°7/29.6	17	
5 21	18 58.27	- 9 38.3	2.230	3.021	14.0	21.0	5 21	19 5.23	-23 17.1	1.694	2.515	16.5	21.1
5 31	18 54.89	- 9 16.5	2.140	3.016	11.5	20.9	5 31	19 1.28	-23 37.7	1.612	2.515	13.1	20.9
6 10	18 49.60	- 9 4.1	2.071	3.011	8.8	20.7	6 10	18 54.51	-24 2.0	1.550	2.515	9.1	20.7
6 20	18 42.82	- 9 2.5	2.026	3.007	6.1	20.5	6 20	18 45.49	-24 27.6	1.511	2.515	4.7	20.4
6 30	18 35.21	- 9 12.2	2.006	3.003	4.7	20.4	6 30	18 35.20	-24 51.1	1.499	2.515	0.7	20.1
7 10	18 27.58	- 9 32.6	2.013	2.999	5.8	20.5	7 10	18 24.89	-25 10.1	1.512	2.515	5.0	20.4
7 20	18 20.69	-10 2.3	2.047	2.995	8.5	20.6	7 20	18 15.79	-25 23.8	1.552	2.514	9.5	20.7
7 30	18 15.26	-10 39.3	2.104	2.991	11.3	20.8	7 30	18 8.95	-25 32.6	1.614	2.513	13.4	20.9
<b>192930</b>	2000 <i>AV</i> <sub>52</sub>		6 29.7 219°01	2°7/29.9	18		<b>4789</b>	<i>Sprattia</i>		6 29.7 287°07	1°0/29.9	18	
5 21	19 4.11	-16 36.8	2.442	3.232	12.9	21.0	5 21	19 3.69	-20 55.4	1.398	2.234	18.6	17.3
5 31	18 59.33	-16 3.1	2.341	3.223	10.4	20.9	5 31	19 0.79	-20 49.8	1.308	2.219	15.0	17.0
6 10	18 52.58	-15 32.6	2.262	3.214	7.5	20.6	6 10	18 54.66	-20 49.2	1.237	2.205	10.6	16.7
6 20	18 44.31	-15 5.8	2.209	3.203	4.5	20.4	6 20	18 45.77	-20 52.4	1.186	2.190	5.5	16.4
6 30	18 35.18	-14 43.4	2.184	3.193	2.7	20.3	6 30	18 35.18	-20 57.7	1.160	2.176	1.0	16.1
7 10	18 26.01	-14 25.8	2.187	3.181	4.6	20.4	7 10	18 24.37	-21 3.6	1.158	2.162	5.8	16.4
7 20	18 17.61	-14 13.3	2.218	3.170	7.7	20.6	7 20	18 14.85	-21 9.3	1.180	2.148	11.1	16.6
7 30	18 10.69	-14 6.0	2.275	3.157	10.8	20.8	7 30	18 7.92	-21 15.0	1.222	2.134	15.9	16.8
<b>91990</b>	1999 <i>VO</i> <sub>115</sub>		6 29.7 359°61	8°1/29.8	17		<b>128078</b>	2003 <i>OE</i> <sub>17</sub>		6 29.7 341°89			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>172861</b>	2005 <i>EY</i> <sub>82</sub>		6 29.7 219°81	0°5/29.8	17		<b>58838</b>	1998 <i>HO</i> <sub>50</sub>		6 29.7 98°21	1°3/30.1	18	
5 21	19 7.13	-21 36.7	1.882	2.690	15.6	21.7	5 21	19 0.88	-17 7.1	2.271	3.074	13.4	19.6
5 31	19 2.54	-21 37.9	1.786	2.682	12.5	21.4	5 31	18 56.97	-17 27.6	2.187	3.078	10.7	19.4
6 10	18 55.29	-21 42.6	1.711	2.673	8.7	21.2	6 10	18 51.06	-17 54.9	2.124	3.082	7.5	19.2
6 20	18 45.88	-21 49.1	1.660	2.663	4.5	20.9	6 20	18 43.61	-18 27.8	2.086	3.086	4.0	19.0
6 30	18 35.19	-21 55.6	1.636	2.652	0.5	20.6	6 30	18 35.31	-19 4.5	2.075	3.090	1.3	18.8
7 10	18 24.39	-22 0.8	1.639	2.641	4.7	20.9	7 10	18 26.99	-19 43.0	2.093	3.094	3.9	19.0
7 20	18 14.62	-22 4.2	1.668	2.629	9.1	21.1	7 20	18 19.49	-20 21.3	2.138	3.098	7.4	19.2
7 30	18 6.91	-22 6.4	1.722	2.616	13.0	21.3	7 30	18 13.52	-20 58.2	2.208	3.102	10.5	19.4
<b>54669</b>	2000 <i>WB</i> <sub>89</sub>		6 29.7 63°81	2°1/29.5	17		<b>473223</b>	2015 <i>KY</i> <sub>141</sub>		6 29.8 50°57	1°7/29.4	17	
5 21	19 7.62	-25 52.2	1.322	2.159	19.4	18.7	5 21	19 3.19	-25 39.8	1.864	2.685	15.2	21.4
5 31	19 3.66	-26 22.6	1.267	2.178	15.4	18.5	5 31	18 59.42	-26 12.5	1.786	2.689	12.1	21.2
6 10	18 56.32	-26 54.9	1.230	2.198	10.7	18.2	6 10	18 53.09	-26 47.5	1.728	2.693	8.4	21.0
6 20	18 46.38	-27 24.7	1.215	2.218	5.6	18.0	6 20	18 44.74	-27 21.3	1.695	2.697	4.5	20.8
6 30	18 35.19	-27 47.3	1.223	2.238	2.1	17.8	6 30	18 35.28	-27 50.6	1.687	2.702	1.8	20.6
7 10	18 24.37	-28 0.2	1.257	2.259	6.0	18.1	7 10	18 25.84	-28 12.9	1.706	2.706	4.9	20.8
7 20	18 15.35	-28 3.6	1.315	2.279	10.7	18.5	7 20	18 17.52	-28 27.3	1.751	2.711	8.8	21.1
7 30	18 9.19	-27 59.7	1.394	2.299	14.8	18.8	7 30	18 11.24	-28 34.6	1.820	2.716	12.3	21.3
<b>298353</b>	2003 <i>KU</i> <sub>16</sub>		6 29.7 103°19	6°3/30.9	18		<b>515080</b>	2010 <i>SN</i> <sub>12</sub>		6 29.8 285°44	7°3/30.5	18	
5 21	19 0.12	-3 56.7	2.530	3.288	13.3	20.7	5 21	18 58.66	-3 22.3	2.290	3.057	14.4	21.3
5 31	18 55.90	-3 9.7	2.458	3.304	11.3	20.5	5 31	18 55.22	-2 29.6	2.192	3.042	12.3	21.2
6 10	18 50.03	-2 33.4	2.407	3.318	9.1	20.4	6 10	18 49.88	-1 47.8	2.114	3.027	10.1	21.0
6 20	18 42.95	-2 9.9	2.380	3.333	7.2	20.3	6 20	18 43.04	-1 19.9	2.060	3.011	8.2	20.8
6 30	18 35.29	-2 0.7	2.379	3.347	6.3	20.3	6 30	18 35.33	-1 8.4	2.030	2.996	7.3	20.8
7 10	18 27.72	-2 5.7	2.405	3.362	6.9	20.4	7 10	18 27.51	-1 14.0	2.025	2.981	8.1	20.8
7 20	18 20.90	-2 23.9	2.456	3.376	8.6	20.5	7 20	18 20.35	-1 36.1	2.046	2.966	10.0	20.9
7 30	18 15.40	-2 53.1	2.532	3.389	10.7	20.6	7 30	18 14.59	-2 12.3	2.090	2.951	12.4	21.0
<b>343587</b>	Mamuna		6 29.7 206°72	10°0/25.8	17		<b>64211</b>	2001 <i>TE</i> <sub>105</sub>		6 29.8 251°35	5°1/28.9	18	
5 21	19 15.42	-48 32.6	2.306	3.062	14.5	20.4	5 21	19 9.02	-31 49.9	1.557	2.379	17.6	19.8
5 31	19 10.11	-50 26.0	2.228	3.058	12.8	20.2	5 31	19 5.19	-32 42.6	1.466	2.367	14.4	19.5
6 10	19 1.23	-52 10.9	2.172	3.054	11.2	20.1	6 10	18 57.84	-33 35.0	1.395	2.354	10.6	19.3
6 20	18 49.21	-53 38.4	2.139	3.049	10.1	20.0	6 20	18 47.48	-34 20.9	1.346	2.340	6.8	19.0
6 30	18 35.10	-54 40.8	2.131	3.044	10.1	20.0	6 30	18 35.21	-34 53.2	1.322	2.326	5.1	18.9
7 10	18 20.54	-55 13.5	2.147	3.039	11.0	20.1	7 10	18 22.65	-35 7.5	1.323	2.312	7.6	19.0
7 20	18 7.28	-55 17.0	2.187	3.033	12.5	20.2	7 20	18 11.48	-35 3.3	1.348	2.298	11.8	19.2
7 30	17 56.83	-54 55.8	2.247	3.027	14.3	20.3	7 30	18 3.15	-34 44.2	1.394	2.283	15.8	19.4
<b>318550</b>	2005 <i>GG</i> <sub>27</sub>		6 29.7 147°88	8°1/29.0	17		<b>250553</b>	2004 <i>RC</i> <sub>138</sub>		6 29.8 329°57	0°6/29.8	18	
5 21	19 13.59	-41 8.5	1.692	2.491	17.4	20.9	5 21	19 3.53	-27 24.5	2.018	2.834	14.4	19.1
5 31	19 8.59	-42 5.8	1.620	2.496	14.6	20.8	5 31	18 59.45	-26 53.8	1.925	2.825	11.5	18.9
6 10	18 59.92	-42 53.7	1.567	2.500	11.6	20.6	6 10	18 52.96	-26 19.3	1.854	2.817	8.0	18.7
6 20	18 48.32	-43 24.5	1.537	2.505	9.0	20.4	6 20	18 44.62	-25 40.0	1.806	2.809	4.1	18.4
6 30	18 35.14	-43 31.4	1.530	2.509	8.1	20.4	6 30	18 35.30	-24 55.7	1.786	2.802	0.6	18.1
7 10	18 22.16	-43 12.1	1.549	2.512	9.4	20.5	7 10	18 26.06	-24 7.3	1.793	2.795	4.3	18.4
7 20	18 11.02	-42 29.3	1.591	2.515	12.1	20.6	7 20	18 17.89	-23 16.9	1.826	2.789	8.3	18.6
7 30	18 2.97	-41 29.4	1.655	2.518	15.1	20.8	7 30	18 11.64	-22 27.2	1.885	2.782	11.9	18.8
<b>144717</b>	2004 <i>GG</i> <sub>29</sub>		6 29.7 3°09	6°1/30.4	16		<b>186980</b>	2004 <i>RW</i> <sub>292</sub>		6 29.8 305°76	0°3/29.8	18	
5 21	18 58.89	-9 9.3	1.860	2.661	16.0	19.7	5 21	18 59.92	-22 1.9	2.127	2.943	13.8	20.7
5 31	18 55.73	-8 19.5	1.780	2.660	13.3	19.5	5 31	18 56.63	-22 3.0	2.021	2.922	11.0	20.4
6 10	18 50.36	-7 39.7	1.720	2.660	10.3	19.4	6 10	18 51.10	-22 6.9	1.937	2.901	7.7	20.2
6 20	18 43.29	-7 12.5	1.683	2.661	7.5	19.2	6 20	18 43.76	-22 12.4	1.877	2.880	4.0	19.9
6 30	18 35.29	-6 59.6	1.670	2.662	6.1	19.1	6 30	18 35.32	-22 18.3	1.843	2.860	0.3	19.6
7 10	18 27.33	-7 1.6	1.683	2.663	7.3	19.2	7 10	18 26.71	-22 23.4	1.837	2.839	4.2	19.9
7 20	18 20.31	-7 17.4	1.720	2.665	10.0	19.4	7 20	18 18.89	-22 27.1	1.856	2.819	8.1	20.1
7 30	18 15.03	-7 44.6	1.780	2.667	13.0	19.5	7 30	18 12.72	-22 29.7	1.900	2.799	11.7	20.2
<b>517233</b>	2014 <i>BJ</i> <sub>66</sub>		6 29.7 241°48	6°5/1.2	18		<b>66631</b>	1999 <i>RP</i> <sub>209</sub>		6 29.8 310°30	6°8/29.4	18	
5 21	19 1.43	-4 34.1	2.141	2.911	15.1	21.4	5 21	19 0.56	-11 37.5	1.628	2.442	17.4	19.5
5 31	18 57.55	-4 13.4	2.044	2.900	12.8	21.2	5 31	18 57.66	-10 19.7	1.531	2.421	14.5	19.3
6 10	18 51.57	-4 6.0	1.967	2.889	10.2	21.0	6 10	18 52.11	-9 7.1	1.453	2.400	11.2	19.0
6 20	18 43.92	-4 14.0	1.913	2.878	7.8	20.9	6 20	18 44.37	-8 3.5	1.397	2.380	8.2	18.8
6 30	18 35.28	-4 38.6	1.884	2.866	6.5	20.8	6 30	18 35.30	-7 13.0	1.366	2.360	6.8	18.7
7 10	18 26.50	-5 19.0	1.881	2.854	7.3	20.8	7 10	18 26.05	-6 38.6	1.359	2.340	8.5	18.7
7 20	18 18.46	-6 12.9	1.905	2.841	9.7	20.9	7 20	18 17.76	-6 21.7	1.375	2.321	11.9	18.8
7 30	18 11.97	-7 17.0	1.952	2.829	12.5	21.1	7 30	18 11.50	-6 21.4	1.413	2.302	15.6	19.0
<b>404870</b>	2014 <i>KW</i> <sub>42</sub>		6 29.7 322°71	3°7/1.1	18		<b>387969</b>	2005 <i>JT</i> <sub>23</sub>		6 29.8 34°67	0°9/29.6	16	
5 21	18 59.21	-9 53.2	2.055	2.850	14.9	20.1	5 21	19 2.56	-24 15.1	2.016	2.832	14.4	21.4
5 31	18 56.00	-10 19.1	1.956	2.838	12.2	19.9	5 31	18 58.70	-24 33.8	1.932	2.832	11.4	21.2
6 10	18 50.63	-10 58.8	1.878	2.825	9.1	19.6	6 10	18 52.48	-24 54.8	1.868	2.832	7.9	21.0
6 20	18 43.50	-11 52.5	1.824	2.814	5.8	19.4	6 20	18 44.41	-25 15.7	1.830	2.833	4.1	20.7
6 30	18 35.30	-12 58.5	1.796	2.802	3.7	19.3	6 30	18 35.31	-25 34.2	1.817	2.833	0.9	20.5
7 10	18 26.92	-14 13.7	1.795	2.791	5.2	19.3	7 10	18 26.22	-25 48.4	1.832	2.834	4.4	20.8
7 20	18 19.27	-15 34.4	1.821	2.781	8.6	19.5	7 20	18 18.12	-25 57.6	1.874	2.835	8.2	21.0
7 30	18 13.21	-16 56.5	1.873	2.770	11.9	19.7	7 30	18 11.88	-26 2.5	1.939	2.835	11.7	21.2
<b>23278</b>	2000 <i>YD</i> <sub>105</sub>		6 29.7 219°91	3°4/30.7	18 R		<b>522807</b>	2016 <i>NH</i> <sub>80</sub>		6 29.8 210			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>27777</b>	1992 <i>DN</i> <sub>3</sub>		6 29.8 121°73	1°0/29.9 18			<b>321170</b>	2008 <i>VL</i> <sub>68</sub>		6 29.8 231°29	0°1/29.8 18		
5 21	19 5.72	-19 40.4	1.809	2.620	16.0	19.3	5 21	19 3.01	-21 47.6	2.122	2.931	14.0	21.3
5 31	19 1.25	-19 45.5	1.734	2.631	12.7	19.1	5 31	18 58.97	-22 2.4	2.029	2.925	11.2	21.1
6 10	18 54.25	-19 55.8	1.680	2.642	8.9	18.9	6 10	18 52.66	-22 21.0	1.957	2.919	7.8	20.8
6 20	18 45.29	-20 10.0	1.649	2.652	4.6	18.7	6 20	18 44.54	-22 41.7	1.910	2.913	4.0	20.6
6 30	18 35.30	-20 26.3	1.645	2.661	1.0	18.5	6 30	18 35.37	-23 2.4	1.890	2.907	0.1	20.2
7 10	18 25.43	-20 42.9	1.669	2.671	4.6	18.7	7 10	18 26.13	-23 21.3	1.898	2.900	4.2	20.6
7 20	18 16.74	-20 58.8	1.718	2.680	8.8	19.0	7 20	18 17.77	-23 37.5	1.932	2.893	8.0	20.8
7 30	18 10.10	-21 13.8	1.791	2.688	12.4	19.3	7 30	18 11.15	-23 50.8	1.991	2.886	11.5	21.0
<b>386279</b>	2008 <i>QR</i> <sub>19</sub>		6 29.8 277°79	13°4/ 2.4 18			<b>380292</b>	2002 <i>CD</i> <sub>84</sub>		6 29.8 157°55	2°3/30.3 17		
5 21	19 3.42	+14 3.3	2.174	2.840	17.6	22.0	5 21	19 4.40	-15 11.4	2.382	3.170	13.3	22.4
5 31	18 59.38	+14 56.5	2.063	2.809	16.4	21.8	5 31	18 59.55	-15 10.9	2.298	3.178	10.7	22.2
6 10	18 53.07	+15 28.3	1.969	2.776	15.1	21.6	6 10	18 52.75	-15 16.8	2.235	3.186	7.6	22.0
6 20	18 44.83	+15 32.4	1.892	2.743	14.0	21.5	6 20	18 44.46	-15 28.8	2.197	3.193	4.4	21.8
6 30	18 35.31	+15 3.8	1.837	2.709	13.4	21.4	6 30	18 35.38	-15 46.1	2.188	3.199	2.3	21.7
7 10	18 25.42	+14 0.2	1.803	2.675	13.7	21.3	7 10	18 26.34	-16 7.5	2.207	3.204	4.3	21.8
7 20	18 16.13	+12 23.4	1.791	2.640	14.8	21.3	7 20	18 18.12	-16 31.6	2.254	3.209	7.4	22.0
7 30	18 8.37	+10 18.2	1.802	2.604	16.5	21.3	7 30	18 11.42	-16 57.6	2.327	3.213	10.4	22.2
<b>307004</b>	2001 <i>WT</i> <sub>100</sub>		6 29.8 312°77	0°7/29.7 17			<b>340477</b>	2006 <i>HV</i> <sub>53</sub>		6 29.8 19°09	7°7/30.7 18		
5 21	19 2.89	-24 7.4	1.580	2.411	17.0	20.6	5 21	18 59.57	- 6 25.2	1.662	2.462	17.6	19.9
5 31	18 59.75	-24 17.9	1.495	2.404	13.6	20.4	5 31	18 56.51	- 5 27.1	1.590	2.465	14.8	19.7
6 10	18 53.67	-24 31.1	1.428	2.396	9.5	20.1	6 10	18 51.05	- 4 42.1	1.536	2.469	11.8	19.5
6 20	18 45.19	-24 44.6	1.384	2.389	4.9	19.8	6 20	18 43.72	- 4 13.8	1.503	2.473	9.1	19.4
6 30	18 35.31	-24 55.6	1.365	2.382	0.8	19.5	6 30	18 35.40	- 4 4.6	1.494	2.477	7.7	19.3
7 10	18 25.35	-25 2.3	1.371	2.375	5.2	19.8	7 10	18 27.14	- 4 15.0	1.509	2.482	8.7	19.4
7 20	18 16.63	-25 4.1	1.402	2.368	10.0	20.1	7 20	18 19.95	- 4 43.0	1.548	2.488	11.3	19.5
7 30	18 10.25	-25 2.0	1.456	2.362	14.2	20.3	7 30	18 14.69	- 5 25.2	1.608	2.493	14.3	19.7
<b>200299</b>	2000 <i>AY</i> <sub>233</sub>		6 29.8 187°67	1°3/29.4 18			<b>339165</b>	2004 <i>TO</i> <sub>67</sub>		6 29.8 316°76	3°1/28.9 18		
5 21	19 4.96	-25 1.2	2.499	3.297	12.5	21.2	5 21	19 0.16	-25 20.3	1.393	2.239	18.1	20.6
5 31	19 0.16	-25 35.0	2.407	3.297	9.9	21.0	5 31	18 58.67	-26 15.1	1.281	2.199	14.8	20.3
6 10	18 53.29	-26 10.9	2.337	3.296	6.9	20.8	6 10	18 53.81	-27 19.3	1.188	2.159	10.6	19.9
6 20	18 44.78	-26 46.3	2.292	3.294	3.6	20.6	6 20	18 45.77	-28 29.1	1.116	2.120	5.9	19.5
6 30	18 35.34	-27 18.4	2.277	3.292	1.3	20.5	6 30	18 35.34	-29 37.9	1.068	2.081	3.2	19.2
7 10	18 25.83	-27 45.1	2.290	3.289	4.0	20.6	7 10	18 23.99	-30 38.7	1.043	2.043	7.2	19.4
7 20	18 17.10	-28 5.6	2.332	3.285	7.3	20.9	7 20	18 13.49	-31 26.7	1.041	2.005	12.7	19.5
7 30	18 9.94	-28 19.9	2.399	3.282	10.3	21.0	7 30	18 5.62	-32 0.3	1.059	1.968	17.9	19.7
<b>431010</b>	2005 <i>YR</i> <sub>85</sub>		6 29.8 57°62	1°2/30.2 16			<b>355605</b>	2008 <i>DG</i> <sub>13</sub>		6 29.8 161°39	1°8/30.2 17		
5 21	19 4.59	-15 22.1	1.603	2.419	17.5	20.8	5 21	19 1.01	-16 45.9	2.552	3.347	12.3	22.0
5 31	19 0.67	-16 18.3	1.537	2.436	14.0	20.6	5 31	18 56.81	-16 47.7	2.464	3.350	9.8	21.8
6 10	18 54.03	-17 27.3	1.491	2.453	9.8	20.4	6 10	18 50.83	-16 54.7	2.398	3.353	7.0	21.6
6 20	18 45.25	-18 46.1	1.469	2.470	5.2	20.1	6 20	18 43.49	-17 6.5	2.358	3.356	3.9	21.5
6 30	18 35.33	-20 9.7	1.472	2.488	1.2	19.9	6 30	18 35.42	-17 22.2	2.346	3.359	1.8	21.3
7 10	18 25.49	-21 32.5	1.503	2.506	4.9	20.2	7 10	18 27.35	-17 40.8	2.362	3.361	3.8	21.5
7 20	18 16.91	-22 50.0	1.559	2.524	9.3	20.5	7 20	18 20.02	-18 1.1	2.406	3.363	6.9	21.7
7 30	18 10.55	-23 59.6	1.640	2.542	13.1	20.8	7 30	18 14.04	-18 22.6	2.475	3.365	9.7	21.8
<b>386757</b>	2010 <i>CL</i> <sub>63</sub>		6 29.8 195°70	6°7/29.0 18			<b>51510</b>	2001 <i>FE</i> <sub>98</sub>		6 29.8 313°24	4°6/30.9 18		
5 21	19 10.37	-40 53.2	2.106	2.895	14.7	21.3	5 21	19 1.04	-11 8.7	1.457	2.277	18.7	18.3
5 31	19 5.31	-41 37.1	2.024	2.894	12.3	21.1	5 31	18 58.37	-11 11.1	1.371	2.268	15.4	18.0
6 10	18 57.29	-42 12.8	1.962	2.893	9.8	20.9	6 10	18 52.80	-11 28.9	1.304	2.259	11.5	17.8
6 20	18 46.92	-42 34.5	1.923	2.891	7.6	20.8	6 20	18 44.83	-12 3.0	1.258	2.251	7.3	17.5
6 30	18 35.28	-42 37.3	1.910	2.889	6.7	20.7	6 30	18 35.38	-12 52.5	1.235	2.243	4.6	17.3
7 10	18 23.73	-42 19.6	1.923	2.886	7.9	20.8	7 10	18 25.75	-13 54.5	1.237	2.235	6.7	17.4
7 20	18 13.55	-41 42.8	1.962	2.884	10.3	20.9	7 20	18 17.23	-15 4.4	1.263	2.228	11.0	17.6
7 30	18 5.78	-40 51.6	2.023	2.881	12.9	21.1	7 30	18 10.99	-16 17.7	1.311	2.220	15.2	17.9
<b>86144</b>	1999 <i>RK</i> <sub>191</sub>		6 29.8 264°14	4°5/28.8 18			<b>263486</b>	2008 <i>EY</i> <sub>86</sub>		6 29.8 205°30	4°4/30.7 18		
5 21	19 4.28	-35 17.3	2.386	3.186	12.9	19.8	5 21	18 59.64	- 9 12.3	2.539	3.317	12.8	21.2
5 31	19 0.04	-35 58.9	2.292	3.177	10.5	19.6	5 31	18 55.73	- 8 51.3	2.447	3.315	10.6	21.0
6 10	18 53.44	-36 36.9	2.221	3.167	7.9	19.4	6 10	18 50.09	- 8 38.8	2.376	3.312	8.1	20.8
6 20	18 44.93	-37 7.1	2.174	3.158	5.5	19.2	6 20	18 43.13	- 8 36.0	2.331	3.309	5.7	20.7
6 30	18 35.33	-37 25.7	2.153	3.149	4.6	19.2	6 30	18 35.43	- 8 43.3	2.312	3.306	4.4	20.6
7 10	18 25.65	-37 30.6	2.160	3.139	6.0	19.2	7 10	18 27.71	- 9 0.3	2.320	3.302	5.4	20.7
7 20	18 16.90	-37 22.1	2.194	3.130	8.6	19.4	7 20	18 20.67	- 9 25.8	2.355	3.299	7.8	20.8
7 30	18 9.97	-37 2.1	2.251	3.120	11.3	19.5	7 30	18 14.91	- 9 58.1	2.416	3.295	10.3	21.0
<b>418150</b>	2008 <i>AL</i> <sub>84</sub>		6 29.8 163°30	0°9/29.9 17			<b>202416</b>	2005 <i>UK</i> <sub>95</sub>		6 29.8 125°91	1°2/29.9 17		
5 21	19 6.56	-19 46.3	1.861	2.670	15.7	22.4	5 21	19 7.25	-19 42.2	1.414	2.240	18.9	20.9
5 31	19 1.95	-19 55.8	1.779	2.674	12.5	22.2	5 31	19 3.27	-19 44.9	1.342	2.247	15.1	20.6
6 10	18 54.79	-20 10.7	1.718	2.679	8.8	22.0	6 10	18 56.10	-19 54.2	1.288	2.254	10.6	20.4
6 20	18 45.61	-20 29.5	1.680	2.682	4.6	21.8	6 20	18 46.41	-20 8.7	1.257	2.260	5.5	20.1
6 30	18 35.33	-20 50.0	1.669	2.686	0.9	21.5	6 30	18 35.35	-20 25.9	1.250	2.266	1.2	19.8
7 10	18 25.06	-21 10.5	1.686	2.688	4.6	21.8	7 10	18 24.39	-20 43.8	1.269	2.272	5.6	20.1
7 20	18 15.91	-21 29.6	1.729	2.690	8.8	22.0	7 20	18 14.93	-21 1.0	1.312	2.278	10.5	20.4
7 30	18 8.79	-21 47.1	1.797	2.692	12.5	22.3	7 30	18 8.08	-21 17.2	1.377	2.283	14.9	20.7
<b>325033</b>	2008 <i>CP</i> <sub>74</sub>		6 29.8 271°09	5°0/28.9 17			<b>63093</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>343639</b>	2010 <i>JM</i> <sub>36</sub>		6 29.8 170°57'	2°7/30.1	17		<b>116753</b>	2004 <i>DD</i> <sub>60</sub>		6 29.8 6°15'	2°5/30.1	17	
5 21	19 1.87	-16 16.6	2.070	2.875	14.5	21.4	5 21	18 59.31	-18 16.8	1.221	2.071	19.9	19.1
5 31	18 57.94	-15 58.3	1.984	2.875	11.6	21.2	5 31	18 57.42	-18 1.3	1.153	2.071	16.0	18.9
6 10	18 51.85	-15 45.6	1.920	2.876	8.3	21.0	6 10	18 52.30	-17 53.6	1.101	2.072	11.3	18.6
6 20	18 44.09	-15 38.8	1.879	2.876	4.9	20.8	6 20	18 44.59	-17 53.8	1.071	2.074	6.3	18.3
6 30	18 35.43	-15 37.7	1.866	2.877	2.7	20.6	6 30	18 35.45	-18 1.1	1.062	2.077	2.5	18.1
7 10	18 26.79	-15 42.0	1.879	2.877	4.8	20.8	7 10	18 26.40	-18 13.9	1.077	2.081	6.2	18.3
7 20	18 19.06	-15 50.8	1.919	2.877	8.3	21.0	7 20	18 18.85	-18 30.8	1.114	2.086	11.2	18.6
7 30	18 13.02	-16 3.5	1.983	2.877	11.5	21.2	7 30	18 13.94	-18 50.5	1.171	2.092	15.7	18.9
<b>183171</b>	2002 <i>SN</i> <sub>37</sub>		6 29.8 292°70'	4°9/30.2	18		<b>157355</b>	2004 <i>TB</i> <sub>91</sub>		6 29.8 339°48'	2°7/29.5	18	
5 21	19 1.62	-13 24.2	1.538	2.358	17.9	20.2	5 21	18 59.60	-27 52.0	1.334	2.184	18.5	19.3
5 31	18 58.75	-12 51.0	1.444	2.341	14.7	20.0	5 31	18 57.85	-28 10.0	1.252	2.171	14.9	19.0
6 10	18 53.05	-12 26.5	1.368	2.324	11.0	19.7	6 10	18 52.78	-28 28.0	1.188	2.160	10.6	18.7
6 20	18 44.97	-12 12.8	1.314	2.307	7.1	19.4	6 20	18 44.94	-28 42.4	1.145	2.149	5.8	18.4
6 30	18 35.41	-12 11.0	1.283	2.289	4.9	19.3	6 30	18 35.45	-28 49.0	1.125	2.139	2.7	18.2
7 10	18 25.61	-12 21.2	1.277	2.272	7.0	19.3	7 10	18 25.85	-28 45.5	1.129	2.131	6.3	18.4
7 20	18 16.86	-12 42.3	1.295	2.256	11.2	19.5	7 20	18 17.70	-28 32.2	1.155	2.123	11.3	18.6
7 30	18 10.29	-13 12.3	1.335	2.239	15.4	19.7	7 30	18 12.28	-28 11.6	1.201	2.117	15.8	18.9
<b>503036</b>	2015 <i>FU</i> <sub>146</sub>		6 29.8 165°67'	4°3/28.9	17		<b>107320</b>	2001 <i>CC</i> <sub>13</sub>		6 29.8 89°89'	1°4/29.6	17	
5 21	19 8.03	-32 52.0	2.048	2.852	14.6	22.1	5 21	19 7.80	-24 36.5	1.547	2.371	17.7	19.5
5 31	19 3.26	-33 38.6	1.967	2.856	11.8	21.9	5 31	19 3.43	-25 4.2	1.482	2.387	14.0	19.3
6 10	18 55.80	-34 22.7	1.907	2.859	8.7	21.7	6 10	18 56.05	-25 34.9	1.437	2.402	9.7	19.1
6 20	18 46.19	-34 59.5	1.871	2.861	5.6	21.5	6 20	18 46.33	-26 4.7	1.414	2.418	5.0	18.9
6 30	18 35.38	-35 24.4	1.862	2.864	4.3	21.4	6 30	18 35.43	-26 29.8	1.418	2.433	1.4	18.7
7 10	18 24.58	-35 35.0	1.880	2.865	6.2	21.5	7 10	18 24.73	-26 47.7	1.447	2.448	5.3	19.0
7 20	18 14.95	-35 31.5	1.924	2.867	9.3	21.7	7 20	18 15.55	-26 57.9	1.501	2.463	9.8	19.3
7 30	18 7.48	-35 16.4	1.992	2.868	12.3	21.9	7 30	18 8.87	-27 1.7	1.578	2.478	13.7	19.5
<b>470833</b>	2008 <i>WO</i> <sub>108</sub>		6 29.8 290°03'	3°1/29.2	16		<b>489122</b>	2006 <i>CS</i> <sub>46</sub>		6 29.8 257°08'	2°0/29.5	18	
5 21	19 5.54	-29 11.9	1.852	2.669	15.4	22.4	5 21	19 5.93	-27 28.9	2.007	2.818	14.6	21.7
5 31	19 1.93	-29 43.5	1.738	2.637	12.5	22.2	5 31	19 1.71	-27 49.2	1.904	2.801	11.8	21.5
6 10	18 55.38	-30 15.8	1.644	2.605	9.1	21.9	6 10	18 54.86	-28 10.0	1.822	2.784	8.3	21.2
6 20	18 46.25	-30 45.0	1.574	2.573	5.3	21.6	6 20	18 45.82	-28 28.0	1.765	2.766	4.6	20.9
6 30	18 35.38	-31 6.3	1.529	2.540	3.2	21.4	6 30	18 35.45	-28 40.1	1.733	2.747	2.0	20.7
7 10	18 24.03	-31 16.5	1.511	2.507	6.0	21.5	7 10	18 24.87	-28 44.3	1.730	2.728	5.0	20.9
7 20	18 13.59	-31 14.6	1.518	2.473	10.3	21.6	7 20	18 15.24	-28 40.2	1.752	2.709	9.0	21.1
7 30	18 5.32	-31 2.3	1.548	2.440	14.4	21.8	7 30	18 7.60	-28 29.3	1.799	2.690	12.7	21.3
<b>184781</b>	2005 <i>TW</i> <sub>29</sub>		6 29.8 265°19'	0°8/29.9	18		<b>225540</b>	2000 <i>SA</i> <sub>98</sub>		6 29.8 231°53'	0°3/29.8	18	
5 21	19 1.09	-20 18.5	2.394	3.199	12.8	21.2	5 21	19 5.46	-23 55.0	2.157	2.962	13.9	21.5
5 31	18 57.21	-20 21.3	2.291	3.184	10.2	21.0	5 31	19 0.95	-23 56.6	2.057	2.951	11.1	21.3
6 10	18 51.34	-20 27.7	2.210	3.170	7.1	20.8	6 10	18 54.07	-23 59.6	1.978	2.940	7.8	21.1
6 20	18 43.87	-20 36.7	2.154	3.156	3.7	20.5	6 20	18 45.32	-24 2.1	1.925	2.928	4.0	20.8
6 30	18 35.46	-20 47.3	2.125	3.141	0.8	20.3	6 30	18 35.46	-24 2.5	1.899	2.915	0.3	20.5
7 10	18 26.93	-20 58.3	2.124	3.126	3.8	20.5	7 10	18 25.52	-23 59.7	1.901	2.903	4.2	20.8
7 20	18 19.13	-21 9.0	2.151	3.111	7.4	20.7	7 20	18 16.47	-23 53.8	1.930	2.889	8.1	21.0
7 30	18 12.79	-21 19.2	2.202	3.096	10.6	20.8	7 30	18 9.21	-23 45.6	1.984	2.875	11.7	21.2
<b>101935</b>	1999 <i>RV</i> <sub>22</sub>		6 29.8 205°35'	3°0/29.5	17		<b>195376</b>	2002 <i>FD</i> <sub>34</sub>		6 29.8 42°31'	4°8/28.7	17	
5 21	19 8.18	-29 41.1	1.663	2.483	16.8	19.5	5 21	19 5.14	-30 48.2	1.582	2.410	17.1	19.7
5 31	19 3.89	-29 58.7	1.580	2.481	13.5	19.2	5 31	19 1.67	-31 57.7	1.516	2.420	13.8	19.5
6 10	18 56.51	-30 14.4	1.517	2.479	9.6	19.0	6 10	18 55.06	-33 7.1	1.470	2.430	10.0	19.3
6 20	18 46.65	-30 24.0	1.477	2.476	5.5	18.8	6 20	18 45.95	-34 9.9	1.446	2.441	6.4	19.1
6 30	18 35.39	-30 23.8	1.462	2.474	3.0	18.6	6 30	18 35.45	-34 59.8	1.448	2.452	4.9	19.1
7 10	18 24.18	-30 12.3	1.473	2.471	5.9	18.8	7 10	18 25.02	-35 32.6	1.475	2.463	7.2	19.2
7 20	18 14.36	-29 50.3	1.510	2.468	10.1	19.0	7 20	18 16.04	-35 48.1	1.526	2.475	10.7	19.5
7 30	18 7.05	-29 21.1	1.569	2.464	14.0	19.2	7 30	18 9.64	-35 48.6	1.599	2.487	14.2	19.7
<b>394300</b>	2006 <i>VT</i> <sub>110</sub>		6 29.8 214°21'	4°3/28.6	18		<b>392036</b>	2009 <i>BE</i> <sub>55</sub>		6 29.8 7°85'	2°7/29.5	16	
5 21	19 5.21	-34 40.3	2.567	3.362	12.3	21.6	5 21	19 4.05	-29 47.7	1.905	2.723	15.0	21.0
5 31	19 0.61	-35 31.9	2.475	3.357	10.0	21.4	5 31	19 0.16	-30 4.6	1.824	2.723	12.0	20.8
6 10	18 53.77	-36 20.9	2.406	3.351	7.5	21.3	6 10	18 53.66	-30 19.5	1.762	2.724	8.5	20.6
6 20	18 45.13	-37 3.1	2.362	3.346	5.2	21.1	6 20	18 45.12	-30 29.0	1.725	2.724	4.9	20.4
6 30	18 35.43	-37 34.6	2.346	3.340	4.3	21.1	6 30	18 35.48	-30 30.4	1.714	2.725	2.7	20.2
7 10	18 25.64	-37 53.0	2.357	3.334	5.8	21.1	7 10	18 25.90	-30 22.2	1.729	2.726	5.2	20.4
7 20	18 16.68	-37 58.2	2.395	3.327	8.2	21.3	7 20	18 17.49	-30 5.1	1.770	2.727	8.9	20.6
7 30	18 9.42	-37 51.6	2.458	3.321	10.8	21.4	7 30	18 11.18	-29 41.5	1.834	2.728	12.3	20.8
<b>352320</b>	2007 <i>UN</i> <sub>106</sub>		6 29.8 332°15'	2°3/29.5	18		<b>172262</b>	2002 <i>SK</i> <sub>54</sub>		6 29.8 324°99'	4°5/29.5	18	
5 21	19 0.90	-27 9.6	1.635	2.469	16.4	20.6	5 21	19 3.89	-33 46.7	1.655	2.481	16.6	19.6
5 31	18 58.22	-27 33.6	1.548	2.458	13.2	20.4	5 31	19 0.75	-34 4.0	1.566	2.468	13.5	19.3
6 10	18 52.66	-27 58.8	1.480	2.447	9.3	20.1	6 10	18 54.50	-34 15.9	1.496	2.455	10.0	19.1
6 20	18 44.75	-28 21.6	1.434	2.437	5.1	19.8	6 20	18 45.72	-34 17.7	1.448	2.443	6.4	18.8
6 30	18 35.44	-28 38.6	1.414	2.428	2.3	19.6	6 30	18 35.47	-34 5.6	1.425	2.431	4.5	18.7
7 10	18 26.03	-28 47.2	1.419	2.419	5.6	19.8	7 10	18 25.19	-33 37.9	1.427	2.420	6.7	18.8
7 20	18 17.80	-28 47.0	1.448	2.411	9.9	20.1	7 20	18 16.26	-32 56.5	1.453	2.409	10.6	19.0
7 30	18 11.85	-28 39.5	1.499	2.404	13.9	20.3	7 30	18 9.85	-32 5.6	1.501	2.399	14.3	19.2
<b>345957</b>	2007 <i>SL</i> <sub>18</sub>		6 29.8 260°64'	1°5/29.9	18		<b>264104</b> </						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>399884</b>	2005 <i>WN</i> <sub>21</sub>		6 29.8 19 <sup>o</sup> 19	3 <sup>o</sup> 5/28.9	18		<b>295324</b>	2008 <i>GD</i> <sub>141</sub>		6 29.8 340 <sup>o</sup> 25	3 <sup>o</sup> 8/30.2	18	
5 21	19 2.73	-30 56.1	2.224	3.035	13.4	21.0	5 21	18 59.34	-13 46.6	2.122	2.925	14.2	20.7
5 31	18 58.85	-31 43.7	2.142	3.036	10.8	20.8	5 31	18 55.93	-13 11.4	2.034	2.921	11.5	20.5
6 10	18 52.65	-32 30.4	2.081	3.037	7.8	20.7	6 10	18 50.49	-12 42.3	1.967	2.918	8.5	20.3
6 20	18 44.62	-33 12.3	2.045	3.039	4.8	20.5	6 20	18 43.49	-12 20.6	1.924	2.914	5.5	20.1
6 30	18 35.54	-33 45.5	2.035	3.040	3.5	20.4	6 30	18 35.62	-12 7.2	1.907	2.911	3.8	20.0
7 10	18 26.44	-34 7.6	2.053	3.042	5.4	20.5	7 10	18 27.76	-12 2.3	1.916	2.908	5.4	20.1
7 20	18 18.28	-34 18.1	2.097	3.044	8.4	20.7	7 20	18 20.73	-12 5.5	1.952	2.905	8.5	20.3
7 30	18 11.93	-34 18.3	2.166	3.046	11.3	20.9	7 30	18 15.26	-12 15.9	2.011	2.903	11.5	20.4
<b>33487</b>	1999 <i>GS</i> <sub>8</sub>		6 29.8 171 <sup>o</sup> 56	1 <sup>o</sup> 1/29.6	18		<b>302178</b>	2001 <i>TD</i> <sub>115</sub>		6 29.8 263 <sup>o</sup> 65	1 <sup>o</sup> 3/29.9	18	
5 21	19 7.73	-23 44.7	1.643	2.462	17.0	19.2	5 21	19 2.46	-19 40.3	2.432	3.231	12.7	20.5
5 31	19 3.46	-24 14.7	1.563	2.465	13.6	19.0	5 31	18 58.31	-19 27.5	2.321	3.211	10.2	20.3
6 10	18 56.21	-24 49.0	1.502	2.467	9.5	18.8	6 10	18 52.14	-19 17.5	2.233	3.190	7.2	20.1
6 20	18 46.55	-25 24.2	1.465	2.468	4.9	18.5	6 20	18 44.36	-19 9.8	2.169	3.170	3.9	19.8
6 30	18 35.50	-25 56.2	1.453	2.469	1.1	18.2	6 30	18 35.61	-19 3.9	2.134	3.148	1.3	19.6
7 10	18 24.43	-26 22.1	1.468	2.470	5.2	18.5	7 10	18 26.71	-18 59.5	2.126	3.127	4.0	19.8
7 20	18 14.65	-26 40.5	1.508	2.470	9.8	18.8	7 20	18 18.50	-18 56.5	2.146	3.105	7.5	20.0
7 30	18 7.26	-26 52.1	1.572	2.470	13.8	19.0	7 30	18 11.74	-18 55.0	2.192	3.083	10.7	20.1
<b>473253</b>	2015 <i>MF</i> <sub>15</sub>		6 29.8 290 <sup>o</sup> 99	4 <sup>o</sup> 6/30.2	18		<b>114660</b>	2003 <i>FS</i> <sub>7</sub>		6 29.8 71 <sup>o</sup> 47	3 <sup>o</sup> 1/30.5	17	
5 21	18 59.78	-11 39.0	2.174	2.970	14.2	21.1	5 21	19 0.97	-13 53.7	2.159	2.958	14.1	20.3
5 31	18 56.31	-11 2.3	2.074	2.955	11.7	20.8	5 31	18 57.04	-13 44.8	2.086	2.972	11.4	20.2
6 10	18 50.80	-10 32.5	1.995	2.940	8.8	20.6	6 10	18 51.14	-13 43.6	2.034	2.986	8.2	20.0
6 20	18 43.68	-10 11.4	1.940	2.925	6.0	20.4	6 20	18 43.76	-13 50.1	2.007	3.000	5.0	19.8
6 30	18 35.59	-10 0.2	1.911	2.910	4.6	20.3	6 30	18 35.64	-14 3.9	2.006	3.014	3.1	19.7
7 10	18 27.41	-9 59.3	1.909	2.896	6.0	20.4	7 10	18 27.62	-14 23.9	2.033	3.029	4.7	19.9
7 20	18 19.96	-10 8.1	1.932	2.881	8.8	20.5	7 20	18 20.51	-14 48.7	2.086	3.043	7.8	20.1
7 30	18 14.03	-10 25.6	1.979	2.866	11.9	20.7	7 30	18 14.97	-15 16.7	2.164	3.057	10.8	20.3
<b>126206</b>	2002 <i>AU</i> <sub>40</sub>		6 29.8 156 <sup>o</sup> 79	1 <sup>o</sup> 7/30.1	18		<b>517686</b>	2015 <i>DK</i> <sub>232</sub>		6 29.8 46 <sup>o</sup> 52	0 <sup>o</sup> 1/29.8	17	
5 21	19 4.56	-17 51.1	2.116	2.916	14.3	20.5	5 21	19 6.46	-26 1.6	1.592	2.417	17.2	20.4
5 31	19 0.04	-17 51.8	2.032	2.922	11.4	20.3	5 31	19 2.21	-25 27.9	1.522	2.427	13.6	20.2
6 10	18 53.32	-17 58.0	1.970	2.927	8.1	20.1	6 10	18 55.11	-24 51.8	1.472	2.438	9.5	20.0
6 20	18 44.91	-18 9.0	1.932	2.932	4.4	19.9	6 20	18 45.86	-24 12.3	1.445	2.449	4.8	19.8
6 30	18 35.57	-18 23.5	1.922	2.936	1.7	19.7	6 30	18 35.60	-23 29.5	1.444	2.460	0.2	19.4
7 10	18 26.27	-18 40.3	1.940	2.940	4.3	19.9	7 10	18 25.65	-22 44.6	1.469	2.472	4.9	19.8
7 20	18 17.91	-18 58.4	1.984	2.944	7.9	20.1	7 20	18 17.18	-22 0.0	1.519	2.484	9.4	20.1
7 30	18 11.27	-19 17.0	2.054	2.947	11.3	20.3	7 30	18 11.09	-21 18.2	1.592	2.496	13.3	20.4
<b>215566</b>	2003 <i>EG</i> <sub>40</sub>		6 29.8 47 <sup>o</sup> 67	1 <sup>o</sup> 0/30.1	18		<b>48592</b>	1994 <i>TP</i> <sub>5</sub>		6 29.8 44 <sup>o</sup> 07	2 <sup>o</sup> 2/30.1	18	
5 21	19 1.71	-17 0.9	2.007	2.816	14.7	19.8	5 21	19 3.13	-17 59.4	1.374	2.208	18.9	18.7
5 31	18 57.97	-17 41.3	1.930	2.825	11.7	19.6	5 31	18 59.98	-17 53.9	1.310	2.219	15.1	18.5
6 10	18 51.99	-18 30.5	1.873	2.834	8.2	19.4	6 10	18 53.82	-17 56.4	1.264	2.230	10.7	18.2
6 20	18 44.27	-19 26.4	1.842	2.843	4.3	19.2	6 20	18 45.32	-18 6.1	1.239	2.241	5.8	18.0
6 30	18 35.59	-20 26.0	1.837	2.853	1.0	18.9	6 30	18 35.61	-18 21.7	1.239	2.253	2.2	17.8
7 10	18 26.92	-21 25.8	1.860	2.863	4.2	19.2	7 10	18 26.09	-18 41.1	1.263	2.266	5.6	18.0
7 20	18 19.17	-22 23.0	1.910	2.873	8.0	19.5	7 20	18 18.02	-19 2.6	1.311	2.279	10.3	18.3
7 30	18 13.16	-23 15.6	1.985	2.883	11.4	19.7	7 30	18 12.44	-19 25.2	1.380	2.292	14.5	18.6
<b>305933</b>	2009 <i>FK</i> <sub>76</sub>		6 29.8 326 <sup>o</sup> 76	4 <sup>o</sup> 6/30.2	17		<b>121715</b>	Katialsalamy		6 29.8 262 <sup>o</sup> 16	0 <sup>o</sup> 7/29.7	18	
5 21	18 59.97	-12 33.8	2.024	2.826	14.8	20.2	5 21	19 1.88	-25 15.4	2.545	3.349	12.1	20.8
5 31	18 56.53	-11 51.1	1.936	2.821	12.1	20.0	5 31	18 57.79	-25 20.1	2.442	3.335	9.6	20.6
6 10	18 50.96	-11 15.1	1.868	2.816	9.1	19.8	6 10	18 51.73	-25 25.2	2.361	3.322	6.7	20.4
6 20	18 43.74	-10 47.6	1.824	2.811	6.1	19.6	6 20	18 44.13	-25 29.1	2.305	3.308	3.5	20.1
6 30	18 35.61	-10 30.1	1.805	2.806	4.6	19.5	6 30	18 35.64	-25 30.3	2.277	3.293	0.7	19.9
7 10	18 27.46	-10 22.9	1.813	2.801	6.1	19.6	7 10	18 27.07	-25 28.0	2.278	3.279	3.7	20.1
7 20	18 20.17	-10 25.9	1.846	2.797	9.1	19.8	7 20	18 19.22	-25 22.0	2.306	3.265	7.0	20.3
7 30	18 14.53	-10 37.7	1.903	2.793	12.2	20.0	7 30	18 12.83	-25 13.2	2.359	3.250	10.1	20.5
<b>373581</b>	2002 <i>AV</i> <sub>50</sub>		6 29.8 169 <sup>o</sup> 37	0 <sup>o</sup> 8/29.7	17		<b>279243</b>	2009 <i>VD</i> <sub>24</sub>		6 29.8 205 <sup>o</sup> 72	4 <sup>o</sup> 8/28.4	18	
5 21	19 7.02	-25 19.3	2.436	3.231	12.8	22.4	5 21	19 7.00	-30 45.1	1.809	2.625	15.8	20.4
5 31	19 1.75	-25 25.7	2.348	3.236	10.2	22.3	5 31	19 3.01	-32 5.1	1.727	2.624	12.8	20.2
6 10	18 54.37	-25 32.3	2.282	3.241	7.1	22.1	6 10	18 56.04	-33 26.9	1.667	2.623	9.3	20.0
6 20	18 45.40	-25 37.1	2.242	3.244	3.6	21.9	6 20	18 46.58	-34 43.9	1.630	2.622	6.1	19.8
6 30	18 35.58	-25 38.6	2.231	3.247	0.8	21.6	6 30	18 35.59	-35 49.5	1.620	2.622	4.9	19.8
7 10	18 25.81	-25 35.8	2.249	3.249	3.8	21.9	7 10	18 24.42	-36 38.6	1.636	2.621	7.1	19.9
7 20	18 16.95	-25 28.8	2.295	3.251	7.2	22.1	7 20	18 14.41	-37 9.6	1.678	2.620	10.5	20.1
7 30	18 9.74	-25 18.8	2.366	3.251	10.3	22.3	7 30	18 6.74	-37 24.3	1.743	2.619	13.8	20.3
<b>382482</b>	2001 <i>AF</i> <sub>6</sub>		6 29.8 125 <sup>o</sup> 13	0 <sup>o</sup> 7/30.0	17		<b>440704</b>	2005 <i>YZ</i> <sub>141</sub>		6 29.8 265 <sup>o</sup> 87	0 <sup>o</sup> 2/29.9	18	
5 21	19 4.67	-18 23.9	2.079	2.882	14.5	21.2	5 21	19 1.43	-19 49.8	2.570	3.369	12.1	21.6
5 31	19 0.21	-18 56.1	2.000	2.892	11.5	21.0	5 31	18 57.46	-20 22.5	2.462	3.353	9.7	21.4
6 10	18 53.49	-19 35.5	1.943	2.902	8.0	20.8	6 10	18 51.55	-21 1.0	2.377	3.336	6.8	21.2
6 20	18 45.02	-20 19.8	1.910	2.912	4.2	20.6	6 20	18 44.09	-21 43.5	2.317	3.319	3.5	21.0
6 30	18 35.59	-21 6.4	1.905	2.921	0.7	20.4	6 30	18 35.65	-22 27.8	2.286	3.302	0.2	20.6
7 10	18 26.17	-21 52.4	1.928	2.930	4.1	20.6	7 10	18 27.02	-23 11.6	2.283	3.285	3.6	20.9
7 20	18 17.71	-22 35.5	1.978	2.938	7.9	20.9	7 20	18 18.99	-23 53.1	2.309	3.268	7.0	21.1
7 30	18 11.01	-23 14.8	2.053	2.947	11.3	21.1	7 30	18 1					

EPHEMERIDES

6 29.8

6 29.8

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>469352</b>	2000 <i>WN</i> <sub>162</sub>		6 29.8 321°21	6°6/29.1	16		<b>141932</b>	2002 <i>PC</i> <sub>94</sub>		6 29.8 344°27	1°3/30.0	18	
5 21	19 0.55	-14 45.2	1.423	2.254	18.6	20.8	5 21	18 54.58	-19 24.5	1.055	1.924	21.0	19.7
5 31	18 58.17	-13 13.6	1.328	2.231	15.4	20.5	5 31	18 54.43	-19 31.4	0.980	1.910	16.9	19.4
6 10	18 52.82	-11 42.8	1.251	2.208	11.7	20.2	6 10	18 50.80	-19 48.3	0.920	1.897	12.0	19.0
6 20	18 45.00	-10 17.3	1.196	2.186	8.1	20.0	6 20	18 44.18	-20 14.4	0.880	1.886	6.3	18.7
6 30	18 35.64	-9 2.1	1.164	2.165	6.6	19.8	6 30	18 35.69	-20 47.1	0.860	1.877	1.3	18.3
7 10	18 26.06	-8 2.0	1.157	2.144	8.8	19.9	7 10	18 27.02	-21 22.9	0.862	1.869	6.4	18.6
7 20	18 17.60	-7 20.1	1.172	2.124	12.9	20.0	7 20	18 19.84	-21 58.5	0.884	1.863	12.3	18.9
7 30	18 11.46	-6 57.1	1.207	2.106	17.0	20.2	7 30	18 15.61	-22 31.6	0.925	1.859	17.5	19.2
<b>108206</b>	2001 <i>HP</i> <sub>23</sub>		6 29.8 126°95	0°5/29.8	18		<b>107697</b>	2001 <i>FL</i> <sub>16</sub>		6 29.8 333°21	2°5/30.1	18	
5 21	19 4.51	-23 56.8	2.095	2.904	14.2	20.6	5 21	19 0.27	-18 0.4	1.311	2.153	19.2	19.1
5 31	19 0.11	-24 4.6	2.015	2.911	11.2	20.4	5 31	18 58.19	-17 48.9	1.230	2.144	15.5	18.9
6 10	18 53.42	-24 14.0	1.956	2.918	7.8	20.2	6 10	18 52.97	-17 45.2	1.167	2.135	11.1	18.6
6 20	18 45.00	-24 23.2	1.922	2.925	4.0	20.0	6 20	18 45.12	-17 49.5	1.124	2.127	6.2	18.3
6 30	18 35.65	-24 30.1	1.915	2.932	0.5	19.7	6 30	18 35.70	-18 0.8	1.105	2.119	2.5	18.0
7 10	18 26.39	-24 33.8	1.936	2.938	4.1	20.0	7 10	18 26.16	-18 17.7	1.109	2.112	6.1	18.2
7 20	18 18.14	-24 33.9	1.984	2.945	7.9	20.3	7 20	18 17.95	-18 38.4	1.135	2.106	11.2	18.5
7 30	18 11.71	-24 31.4	2.056	2.950	11.2	20.5	7 30	18 12.29	-19 1.5	1.183	2.101	15.8	18.7
<b>130935</b>	2000 <i>WL</i> <sub>35</sub>		6 29.8 193°04	2°2/30.3	18		<b>136402</b>	2004 <i>YD</i> <sub>20</sub>		6 29.8 84°81	0°7/29.9	17	
5 21	19 3.95	-15 51.5	2.494	3.282	12.8	21.8	5 21	19 7.21	-20 16.9	1.468	2.293	18.4	20.6
5 31	18 59.27	-15 49.1	2.398	3.279	10.3	21.6	5 31	19 3.05	-20 29.4	1.405	2.309	14.6	20.4
6 10	18 52.67	-15 52.3	2.325	3.277	7.4	21.4	6 10	18 55.87	-20 48.3	1.360	2.325	10.2	20.2
6 20	18 44.59	-16 0.9	2.277	3.273	4.3	21.2	6 20	18 46.38	-21 11.3	1.338	2.342	5.2	19.9
6 30	18 35.67	-16 14.2	2.258	3.269	2.2	21.1	6 30	18 35.70	-21 35.6	1.341	2.357	0.7	19.6
7 10	18 26.70	-16 31.3	2.267	3.264	4.1	21.2	7 10	18 25.25	-21 58.6	1.370	2.373	5.2	20.0
7 20	18 18.46	-16 51.1	2.304	3.259	7.3	21.4	7 20	18 16.30	-22 19.1	1.423	2.389	9.9	20.3
7 30	18 11.66	-17 12.7	2.366	3.253	10.2	21.6	7 30	18 9.85	-22 36.9	1.499	2.404	13.9	20.6
<b>506420</b>	1999 <i>VW</i> <sub>29</sub>		6 29.8 280°81	3°6/29.9	17		<b>345872</b>	2007 <i>QS</i> <sub>9</sub>		6 29.8 353°24	8°6/29.6	18	
5 21	19 5.52	-16 49.4	1.695	2.507	16.8	22.2	5 21	19 3.28	-40 29.3	1.347	2.181	19.3	19.3
5 31	19 1.87	-16 12.2	1.582	2.477	13.8	22.0	5 31	19 1.31	-41 10.4	1.275	2.174	16.2	19.1
6 10	18 55.34	-15 38.8	1.489	2.446	10.1	21.7	6 10	18 55.47	-41 40.2	1.220	2.168	12.8	18.9
6 20	18 46.32	-15 10.3	1.418	2.415	6.1	21.3	6 20	18 46.46	-41 51.0	1.185	2.163	9.8	18.7
6 30	18 35.63	-14 47.6	1.372	2.383	3.6	21.1	6 30	18 35.71	-41 36.2	1.171	2.160	8.6	18.6
7 10	18 24.50	-14 31.6	1.353	2.350	6.3	21.2	7 10	18 25.12	-40 54.2	1.180	2.158	10.0	18.7
7 20	18 14.24	-14 22.9	1.358	2.317	10.9	21.4	7 20	18 16.45	-39 48.5	1.211	2.157	13.2	18.9
7 30	18 6.07	-14 21.7	1.387	2.284	15.3	21.5	7 30	18 11.02	-38 26.6	1.262	2.158	16.6	19.1
<b>20782</b>	Markcroce		6 29.8 174°37	0°1/29.8	18		<b>3212</b>	Agricola		6 29.8 116°49	1°1/30.1	18	
5 21	19 7.29	-22 21.9	1.729	2.544	16.5	18.6	5 21	19 8.28	-18 9.1	1.591	2.405	17.7	17.4
5 31	19 2.88	-22 28.3	1.647	2.546	13.1	18.4	5 31	19 3.73	-18 33.7	1.521	2.419	14.1	17.2
6 10	18 55.69	-22 38.2	1.584	2.548	9.2	18.1	6 10	18 56.29	-19 7.1	1.471	2.433	9.9	17.0
6 20	18 46.28	-22 49.4	1.546	2.549	4.7	17.9	6 20	18 46.61	-19 46.8	1.445	2.447	5.2	16.8
6 30	18 35.64	-22 59.9	1.533	2.550	0.1	17.5	6 30	18 35.72	-20 29.7	1.444	2.460	1.1	16.5
7 10	18 25.02	-23 7.8	1.547	2.550	4.8	17.9	7 10	18 24.95	-21 12.2	1.469	2.472	5.0	16.8
7 20	18 15.61	-23 12.8	1.587	2.550	9.3	18.2	7 20	18 15.52	-21 52.0	1.521	2.484	9.5	17.1
7 30	18 8.43	-23 15.4	1.651	2.549	13.2	18.4	7 30	18 8.45	-22 27.9	1.596	2.496	13.5	17.4
<b>444682</b>	2007 <i>DV</i> <sub>89</sub>		6 29.8 233°60	6°2/28.9	18		<b>290639</b>	2005 <i>UB</i> <sub>257</sub>		6 29.8 349°20	3°5/29.1	18	
5 21	19 7.79	-42 26.7	2.557	3.335	12.7	21.5	5 21	19 1.08	-29 33.7	1.826	2.653	15.3	20.3
5 31	19 2.86	-43 5.6	2.469	3.330	10.7	21.4	5 31	18 58.15	-30 21.0	1.743	2.647	12.3	20.1
6 10	18 55.43	-43 36.6	2.403	3.325	8.6	21.2	6 10	18 52.55	-31 8.7	1.680	2.643	8.8	19.8
6 20	18 46.07	-43 54.9	2.360	3.320	6.9	21.1	6 20	18 44.78	-31 52.5	1.641	2.639	5.3	19.6
6 30	18 35.64	-43 56.8	2.344	3.314	6.2	21.0	6 30	18 35.75	-32 27.9	1.627	2.635	3.6	19.5
7 10	18 25.26	-43 40.8	2.354	3.309	7.2	21.1	7 10	18 26.63	-32 51.8	1.639	2.633	5.9	19.6
7 20	18 15.97	-43 8.0	2.390	3.303	9.1	21.2	7 20	18 18.61	-33 3.4	1.676	2.630	9.5	19.8
7 30	18 8.65	-42 21.7	2.450	3.297	11.3	21.3	7 30	18 12.69	-33 3.9	1.736	2.629	13.0	20.1
<b>119557</b>	2001 <i>VV</i> <sub>41</sub>		6 29.8 344°10	5°5/28.5	18		<b>508959</b>	2004 <i>TF</i> <sub>187</sub>		6 29.8 261°96	2°0/29.5	18	
5 21	19 4.70	-31 29.9	1.526	2.357	17.5	19.1	5 21	19 5.96	-27 28.3	2.033	2.843	14.5	22.5
5 31	19 1.74	-32 42.9	1.448	2.354	14.2	18.9	5 31	19 1.80	-27 49.4	1.927	2.823	11.7	22.3
6 10	18 55.47	-33 56.8	1.390	2.350	10.5	18.6	6 10	18 55.01	-28 11.2	1.843	2.804	8.3	22.0
6 20	18 46.40	-35 4.6	1.354	2.348	6.9	18.4	6 20	18 46.05	-28 30.4	1.783	2.784	4.5	21.8
6 30	18 35.63	-35 59.0	1.343	2.345	5.5	18.3	6 30	18 35.74	-28 43.8	1.749	2.763	2.0	21.6
7 10	18 24.72	-36 34.9	1.356	2.343	7.9	18.5	7 10	18 25.18	-28 49.3	1.743	2.742	5.0	21.7
7 20	18 15.21	-36 51.2	1.393	2.341	11.6	18.7	7 20	18 15.54	-28 46.5	1.764	2.721	8.9	21.9
7 30	18 8.40	-36 50.5	1.451	2.340	15.3	18.9	7 30	18 7.85	-28 36.8	1.808	2.699	12.7	22.1
<b>175540</b>	2006 <i>SU</i> <sub>202</sub>		6 29.8 49°90	2°0/29.7	17		<b>260225</b>	2004 <i>RR</i> <sub>231</sub>		6 29.8 300°54	0°3/29.8	18	
5 21	19 6.31	-27 17.1	1.469	2.300	18.1	20.3	5 21	19 0.96	-23 32.9	2.195	3.008	13.5	20.9
5 31	19 2.68	-27 29.3	1.395	2.304	14.4	20.0	5 31	18 57.55	-23 40.3	2.085	2.984	10.8	20.6
6 10	18 55.83	-27 41.3	1.341	2.307	10.1	19.8	6 10	18 51.89	-23 49.8	1.996	2.959	7.6	20.4
6 20	18 46.42	-27 49.5	1.308	2.311	5.4	19.5	6 20	18 44.40	-24 0.0	1.931	2.935	3.9	20.1
6 30	18 35.64	-27 50.5	1.300	2.315	2.1	19.3	6 30	18 35.76	-24 9.0	1.894	2.910	0.3	19.8
7 10	18 24.98	-27 42.9	1.317	2.319	5.7	19.6	7 10	18 26.91	-24 15.5	1.883	2.886	4.1	20.1
7 20	18 15.84	-27 27.5	1.358	2.323	10.4	19.9	7 20	18 18.80	-24 19.0	1.900	2.862	8.0	20.2
7 30	18 9.35	-27 6.8	1.422	2.327	14.5	20.1	7 30	18 12.32	-24 19.7	1.940	2.838	11.6	20.4
<b>123163</b>	2000 <i>TV</i> <sub>48</sub>		6 29.8 208°62	2°2/29.4	18		<b>399070</b>	2014 <i>CW</i> <sub>11</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>476538</b>	2008 <i>HN</i> <sub>9</sub>		6 29.8	21 <sup>o</sup> .13	13 <sup>o</sup> .3	1.8	16						
5 21	18 58.49	+12 14.6	2.135	2.826	17.3	20.8	5 21	19 7.63	-25 29.9	1.123	1.972	21.4	18.6
5 31	18 55.23	+13 57.7	2.071	2.830	16.0	20.7	5 31	19 5.40	-28 43.9	1.059	1.976	17.2	18.3
6 10	18 50.02	+15 20.9	2.024	2.834	14.7	20.6	6 10	18 58.99	-32 16.1	1.015	1.982	12.5	18.1
6 20	18 43.31	+16 18.5	1.996	2.838	13.7	20.6	6 20	18 48.70	-35 50.5	0.994	1.988	8.6	17.9
6 30	18 35.79	+16 46.2	1.987	2.843	13.3	20.5	6 30	18 35.73	-39 6.9	0.999	1.996	8.0	17.9
7 10	18 28.30	+16 42.8	2.000	2.848	13.5	20.6	7 10	18 22.16	-41 48.4	1.028	2.005	11.3	18.1
7 20	18 21.62	+16 9.9	2.032	2.853	14.3	20.6	7 20	18 10.27	-43 47.6	1.081	2.015	15.6	18.3
7 30	18 16.44	+15 11.6	2.083	2.859	15.4	20.7	7 30	18 2.05	-45 6.6	1.152	2.026	19.5	18.6
<b>279146</b>	2009 <i>SS</i> <sub>18</sub>		6 29.8	275 <sup>o</sup> .98	7 <sup>o</sup> .4	29.4	18						
5 21	19 12.62	-40 18.6	1.727	2.527	17.0	20.7	5 21	19 5.50	-24 11.9	2.459	3.257	12.7	22.3
5 31	19 8.16	-40 52.1	1.627	2.506	14.4	20.5	5 31	19 0.77	-24 29.4	2.356	3.246	10.1	22.1
6 10	19 0.05	-41 16.8	1.546	2.484	11.4	20.2	6 10	18 53.92	-24 48.8	2.276	3.235	7.0	21.9
6 20	18 48.83	-41 25.3	1.487	2.462	8.6	20.0	6 20	18 45.36	-25 8.1	2.221	3.223	3.6	21.6
6 30	18 35.71	-41 10.9	1.453	2.440	7.4	19.9	6 30	18 35.80	-25 25.1	2.194	3.210	0.7	21.4
7 10	18 22.41	-40 30.8	1.443	2.418	8.9	19.9	7 10	18 26.12	-25 38.3	2.196	3.197	3.9	21.6
7 20	18 10.66	-39 27.4	1.458	2.395	12.1	20.0	7 20	18 17.18	-25 46.9	2.226	3.183	7.4	21.8
7 30	18 1.90	-38 7.1	1.496	2.372	15.7	20.2	7 30	18 9.81	-25 51.5	2.282	3.168	10.6	22.0
<b>39778</b>	1997 <i>HA</i> <sub>9</sub>		6 29.8	330 <sup>o</sup> .45	6 <sup>o</sup> .7	28.1	18						
5 21	19 0.65	-35 41.2	1.730	2.556	16.0	18.3	5 21	19 5.47	-27 53.3	1.884	2.700	15.3	20.2
5 31	18 58.49	-36 51.3	1.634	2.533	13.2	18.1	5 31	19 1.19	-27 53.6	1.808	2.708	12.1	20.0
6 10	18 53.27	-37 59.8	1.558	2.510	10.2	17.8	6 10	18 54.35	-27 52.3	1.753	2.716	8.5	19.8
6 20	18 45.39	-39 0.3	1.504	2.488	7.6	17.6	6 20	18 45.57	-27 46.7	1.722	2.724	4.5	19.6
6 30	18 35.76	-39 45.7	1.475	2.466	6.8	17.5	6 30	18 35.80	-27 35.2	1.717	2.732	1.6	19.4
7 10	18 25.77	-40 11.4	1.470	2.446	8.6	17.6	7 10	18 26.20	-27 17.2	1.740	2.741	4.7	19.6
7 20	18 16.89	-40 16.0	1.488	2.426	11.8	17.7	7 20	18 17.83	-26 53.7	1.788	2.749	8.6	19.8
7 30	18 10.45	-40 2.0	1.527	2.408	15.1	17.9	7 30	18 11.54	-26 26.9	1.860	2.757	12.1	20.1
<b>347005</b>	2010 <i>DJ</i> <sub>12</sub>		6 29.8	318 <sup>o</sup> .52	3 <sup>o</sup> .5	29.5	16						
5 21	19 4.82	-31 1.6	1.806	2.626	15.7	20.8	5 21	19 6.30	-24 8.3	2.117	2.922	14.2	21.5
5 31	19 1.12	-31 25.9	1.721	2.621	12.6	20.6	5 31	19 1.69	-24 34.5	2.028	2.922	11.3	21.3
6 10	18 54.60	-31 47.7	1.657	2.617	9.1	20.4	6 10	18 54.69	-25 3.5	1.961	2.922	7.9	21.0
6 20	18 45.82	-32 3.0	1.615	2.613	5.5	20.2	6 20	18 45.79	-25 32.6	1.919	2.921	4.1	20.8
6 30	18 35.77	-32 8.3	1.599	2.608	3.5	20.0	6 30	18 35.81	-25 58.9	1.904	2.920	1.0	20.6
7 10	18 25.71	-32 1.6	1.609	2.604	5.8	20.2	7 10	18 25.77	-26 20.2	1.917	2.918	4.3	20.8
7 20	18 16.87	-31 43.7	1.645	2.601	9.6	20.4	7 20	18 16.70	-26 35.7	1.958	2.916	8.1	21.1
7 30	18 10.29	-31 17.2	1.703	2.597	13.1	20.6	7 30	18 9.46	-26 45.7	2.023	2.913	11.5	21.3
<b>380829</b>	2005 <i>YD</i> <sub>238</sub>		6 29.8	132 <sup>o</sup> .68	0 <sup>o</sup> .3	29.9	17						
5 21	19 5.66	-20 35.6	2.097	2.901	14.3	22.1	5 21	19 2.80	-21 58.9	1.985	2.799	14.7	21.9
5 31	19 0.99	-20 54.5	2.019	2.912	11.4	21.9	5 31	18 58.99	-22 8.1	1.901	2.800	11.7	21.7
6 10	18 54.05	-21 18.0	1.963	2.923	7.9	21.8	6 10	18 52.83	-22 20.8	1.838	2.801	8.1	21.5
6 20	18 45.38	-21 44.1	1.931	2.933	4.0	21.5	6 20	18 44.84	-22 35.3	1.799	2.802	4.1	21.3
6 30	18 35.78	-22 10.7	1.927	2.943	0.3	21.2	6 30	18 35.83	-22 49.7	1.787	2.804	0.1	20.9
7 10	18 26.25	-22 35.7	1.951	2.953	4.1	21.6	7 10	18 26.84	-23 2.5	1.802	2.805	4.2	21.3
7 20	18 17.71	-22 58.1	2.002	2.962	7.8	21.8	7 20	18 18.83	-23 12.9	1.843	2.806	8.2	21.5
7 30	18 10.96	-23 17.5	2.078	2.971	11.2	22.0	7 30	18 12.65	-23 21.1	1.908	2.807	11.7	21.8
<b>313118</b>	2000 <i>YY</i> <sub>106</sub>		6 29.8	203 <sup>o</sup> .30	1 <sup>o</sup> .1	29.5	18						
5 21	19 3.10	-23 34.7	2.702	3.498	11.7	20.8	5 21	19 2.98	-23 52.4	2.360	3.165	12.9	21.8
5 31	18 58.68	-24 22.0	2.606	3.495	9.2	20.6	5 31	18 58.79	-24 8.8	2.269	3.163	10.2	21.6
6 10	18 52.35	-25 12.9	2.533	3.492	6.4	20.4	6 10	18 52.52	-24 27.2	2.199	3.160	7.1	21.4
6 20	18 44.53	-26 4.8	2.487	3.488	3.3	20.2	6 20	18 44.64	-24 45.7	2.155	3.158	3.6	21.2
6 30	18 35.80	-26 54.9	2.469	3.484	1.1	20.0	6 30	18 35.84	-25 2.3	2.138	3.154	0.6	21.0
7 10	18 26.95	-27 40.5	2.481	3.480	3.7	20.2	7 10	18 27.01	-25 15.6	2.150	3.151	3.8	21.2
7 20	18 18.75	-28 20.0	2.521	3.475	6.8	20.4	7 20	18 18.99	-25 24.9	2.188	3.148	7.3	21.4
7 30	18 11.91	-28 53.0	2.588	3.471	9.6	20.6	7 30	18 12.55	-25 30.6	2.252	3.144	10.5	21.6
<b>326238</b>	2012 <i>DN</i> <sub>20</sub>		6 29.9	96 <sup>o</sup> .87	0 <sup>o</sup> .3	29.8	17						
5 21	19 7.28	-23 40.4	1.545	2.370	17.7	21.4	5 21	19 7.05	-40 37.4	1.694	2.505	16.9	19.5
5 31	19 3.10	-23 41.1	1.475	2.379	14.0	21.2	5 31	19 3.97	-41 53.3	1.603	2.486	14.4	19.3
6 10	18 55.94	-23 44.1	1.423	2.389	9.8	21.0	6 10	18 57.33	-43 3.7	1.531	2.467	11.6	19.1
6 20	18 46.46	-23 47.0	1.395	2.399	5.0	20.7	6 20	18 47.56	-44 0.3	1.482	2.448	9.4	18.9
6 30	18 35.77	-23 47.7	1.391	2.408	0.3	20.4	6 30	18 35.79	-44 34.9	1.455	2.430	8.8	18.8
7 10	18 25.27	-23 45.0	1.414	2.417	5.1	20.8	7 10	18 23.67	-44 42.6	1.452	2.412	10.3	18.9
7 20	18 16.22	-23 39.2	1.461	2.426	9.7	21.1	7 20	18 12.96	-44 23.5	1.472	2.394	13.1	19.0
7 30	18 9.62	-23 31.4	1.532	2.435	13.8	21.3	7 30	18 5.15	-43 42.2	1.513	2.377	16.2	19.2
<b>177732</b>	2005 <i>JZ</i> <sub>20</sub>		6 29.9	342 <sup>o</sup> .34	1 <sup>o</sup> .1	29.7	16						
5 21	19 2.56	-25 15.7	1.905	2.725	15.0	20.5	5 21	19 7.37	-31 1.9	2.383	3.180	13.0	22.1
5 31	18 59.00	-25 29.3	1.820	2.723	11.9	20.3	5 31	19 2.49	-31 33.6	2.283	3.170	10.5	21.9
6 10	18 52.94	-25 44.3	1.756	2.720	8.3	20.1	6 10	18 55.24	-32 3.8	2.205	3.159	7.6	21.7
6 20	18 44.92	-25 58.2	1.715	2.718	4.3	19.8	6 20	18 46.10	-32 29.0	2.153	3.147	4.6	21.5
6 30	18 35.80	-26 8.8	1.701	2.717	1.1	19.6	6 30	18 35.82	-32 45.7	2.128	3.135	3.1	21.3
7 10	18 26.67	-26 14.5	1.713	2.715	4.6	19.8	7 10	18 25.42	-32 52.0	2.132	3.123	5.1	21.4
7 20	18 18.60	-26 14.9	1.751	2.714	8.6	20.1	7 20	18 15.90	-32 47.7	2.162	3.109	8.2	21.6
7 30	18 12.48	-26 10.9	1.813	2.713	12.2	20.3	7 30	18 8.15	-32 34.5	2.218	3.095	11.2	21.8
<b>445517</b>	2010 <i>WG</i> <sub>56</sub>		6 29.9	301 <sup>o</sup> .22	1 <sup>o</sup> .7	29.8	18						
5 21	19 3.21	-28 50.2	2.201	3.011	13.5	20.9	5 21	19 1.85	-22 5.7	2.679	3.4		



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>373599</b>	2002 CB <sub>164</sub>		6 29.9 205°49	1°0/29.9	18		<b>276039</b>	2002 AT <sub>153</sub>		6 29.9 109°23	3°7/30.9	18	
5 21	19 6.01	-20 23.5	2.484	3.276	12.7	21.6	5 21	19 3.88	-11 19.4	1.909	2.704	15.9	20.6
5 31	19 1.00	-20 13.7	2.384	3.270	10.2	21.4	5 31	18 59.74	-11 30.5	1.832	2.714	12.9	20.4
6 10	18 53.96	-20 6.3	2.306	3.262	7.1	21.2	6 10	18 53.31	-11 53.6	1.776	2.724	9.5	20.2
6 20	18 45.35	-20 0.6	2.254	3.255	3.8	21.0	6 20	18 45.09	-12 28.3	1.743	2.734	5.9	20.1
6 30	18 35.84	-19 55.7	2.230	3.246	1.0	20.8	6 30	18 35.90	-13 13.3	1.736	2.743	3.7	19.9
7 10	18 26.29	-19 51.4	2.236	3.237	3.8	21.0	7 10	18 26.75	-14 5.8	1.757	2.753	5.3	20.1
7 20	18 17.51	-19 47.4	2.270	3.227	7.2	21.2	7 20	18 18.59	-15 2.8	1.804	2.762	8.7	20.3
7 30	18 10.24	-19 44.1	2.329	3.216	10.4	21.3	7 30	18 12.24	-16 1.4	1.875	2.771	12.1	20.5
<b>161305</b>	2003 OQ <sub>1</sub>		6 29.9 340°12	3°9/1.3	18		<b>172435</b>	2003 QX <sub>24</sub>		6 29.9 295°31	1°8/30.1	17	
5 21	18 59.48	-9 43.1	1.429	2.250	19.0	18.7	5 21	19 3.37	-19 36.7	1.405	2.239	18.6	20.7
5 31	18 57.36	-10 25.6	1.342	2.239	15.6	18.4	5 31	19 0.62	-19 22.9	1.315	2.225	15.0	20.5
6 10	18 52.35	-11 29.4	1.272	2.229	11.6	18.2	6 10	18 54.71	-19 14.5	1.244	2.211	10.7	20.2
6 20	18 44.89	-12 54.6	1.224	2.219	7.2	17.9	6 20	18 46.12	-19 11.2	1.195	2.198	5.8	19.9
6 30	18 35.86	-14 37.7	1.200	2.211	3.9	17.7	6 30	18 35.89	-19 12.0	1.169	2.184	1.8	19.6
7 10	18 26.53	-16 32.5	1.202	2.203	6.1	17.8	7 10	18 25.45	-19 15.8	1.167	2.171	5.8	19.8
7 20	18 18.25	-18 30.8	1.228	2.197	10.7	18.0	7 20	18 16.26	-19 22.0	1.189	2.158	11.0	20.0
7 30	18 12.23	-20 25.9	1.276	2.191	15.1	18.3	7 30	18 9.58	-19 30.5	1.232	2.145	15.7	20.3
<b>225802</b>	2001 VC <sub>71</sub>		6 29.9 212°22	0°9/29.8	18		<b>479253</b>	2013 EK <sub>70</sub>		6 29.9 183°18	0°4/29.9	18	
5 21	19 6.74	-25 18.6	2.181	2.984	13.9	21.0	5 21	19 1.96	-21 22.3	2.701	3.498	11.7	22.7
5 31	19 2.00	-25 26.2	2.085	2.977	11.1	20.8	5 31	18 57.64	-21 27.5	2.609	3.498	9.3	22.5
6 10	18 54.90	-25 34.5	2.010	2.970	7.7	20.5	6 10	18 51.55	-21 35.1	2.539	3.498	6.4	22.3
6 20	18 45.91	-25 41.3	1.960	2.963	4.0	20.3	6 20	18 44.11	-21 44.2	2.496	3.498	3.3	22.1
6 30	18 35.85	-25 44.5	1.938	2.954	0.9	20.0	6 30	18 35.93	-21 53.5	2.480	3.497	0.4	21.9
7 10	18 25.72	-25 42.9	1.944	2.946	4.2	20.3	7 10	18 27.74	-22 2.2	2.494	3.496	3.3	22.1
7 20	18 16.53	-25 36.7	1.978	2.936	8.0	20.5	7 20	18 20.26	-22 9.8	2.535	3.494	6.5	22.3
7 30	18 9.15	-25 26.7	2.036	2.926	11.5	20.7	7 30	18 14.10	-22 16.2	2.603	3.493	9.3	22.5
<b>208728</b>	2002 LO <sub>1</sub>		6 29.9 47°08	4°3/30.5	17		<b>367310</b>	2007 WU <sub>62</sub>		6 29.9 103°64	2°1/29.4	17	
5 21	19 3.61	-14 31.4	1.232	2.068	20.6	20.0	5 21	19 7.40	-24 56.2	1.532	2.358	17.7	21.0
5 31	19 0.58	-14 8.5	1.176	2.083	16.6	19.7	5 31	19 3.49	-25 43.1	1.460	2.365	14.1	20.8
6 10	18 54.37	-13 57.2	1.136	2.099	12.0	19.5	6 10	18 56.45	-26 34.5	1.407	2.373	9.9	20.6
6 20	18 45.72	-13 58.3	1.117	2.115	7.3	19.3	6 20	18 46.88	-27 25.7	1.377	2.380	5.2	20.3
6 30	18 35.85	-14 11.4	1.121	2.131	4.3	19.2	6 30	18 35.90	-28 11.4	1.373	2.387	2.1	20.1
7 10	18 26.27	-14 34.5	1.149	2.148	6.8	19.4	7 10	18 24.94	-28 47.6	1.394	2.394	5.7	20.4
7 20	18 18.29	-15 5.1	1.199	2.166	11.2	19.7	7 20	18 15.39	-29 12.9	1.440	2.401	10.2	20.6
7 30	18 12.95	-15 40.5	1.271	2.184	15.3	20.0	7 30	18 8.39	-29 28.1	1.509	2.408	14.2	20.9
<b>122783</b>	2000 SY <sub>85</sub>		6 29.9 250°60	0°3/29.9	18 R		<b>166495</b>	2002 PH <sub>172</sub>		6 29.9 233°83	0°0/29.9	18	
5 21	19 4.69	-21 15.4	2.088	2.895	14.3	21.3	5 21	19 4.29	-23 32.5	2.252	3.057	13.4	21.3
5 31	19 0.58	-21 28.7	1.984	2.879	11.5	21.1	5 31	18 59.96	-23 28.2	2.154	3.048	10.7	21.1
6 10	18 54.06	-21 46.3	1.901	2.862	8.1	20.8	6 10	18 53.43	-23 25.0	2.078	3.039	7.5	20.8
6 20	18 45.57	-22 6.7	1.843	2.846	4.2	20.6	6 20	18 45.17	-23 21.4	2.027	3.030	3.8	20.6
6 30	18 35.86	-22 27.9	1.812	2.828	0.3	20.2	6 30	18 35.93	-23 16.4	2.004	3.020	0.1	20.2
7 10	18 25.93	-22 47.8	1.808	2.810	4.3	20.5	7 10	18 26.63	-23 9.1	2.008	3.011	4.0	20.6
7 20	18 16.82	-23 5.3	1.831	2.792	8.4	20.7	7 20	18 18.19	-22 59.8	2.040	3.000	7.7	20.8
7 30	18 9.48	-23 20.3	1.879	2.774	12.1	20.9	7 30	18 11.42	-22 49.3	2.097	2.990	11.1	21.0
<b>192247</b>	2008 EJ <sub>98</sub>		6 29.9 77°27	2°6/30.2	18		<b>368389</b>	2002 RQ <sub>271</sub>		6 29.9 279°44	3°9/29.6	17	
5 21	19 1.17	-16 8.8	2.204	3.006	13.8	20.6	5 21	19 7.34	-31 21.2	1.584	2.409	17.3	21.4
5 31	18 57.30	-15 50.8	2.123	3.012	11.1	20.4	5 31	19 3.75	-31 42.8	1.493	2.395	14.0	21.2
6 10	18 51.44	-15 38.3	2.062	3.017	7.9	20.2	6 10	18 56.87	-32 1.6	1.421	2.382	10.2	20.9
6 20	18 44.07	-15 31.5	2.026	3.022	4.7	20.0	6 20	18 47.22	-32 12.8	1.371	2.368	6.2	20.6
6 30	18 35.90	-15 30.2	2.017	3.028	2.6	19.9	6 30	18 35.91	-32 11.9	1.345	2.355	3.9	20.5
7 10	18 27.79	-15 34.0	2.035	3.033	4.5	20.0	7 10	18 24.44	-31 56.6	1.345	2.341	6.6	20.6
7 20	18 20.53	-15 42.2	2.080	3.038	7.7	20.3	7 20	18 14.35	-31 27.9	1.369	2.327	10.9	20.8
7 30	18 14.84	-15 54.1	2.150	3.044	10.8	20.5	7 30	18 6.90	-30 49.6	1.416	2.314	15.0	21.0
<b>329572</b>	2002 VY <sub>106</sub>		6 29.9 252°07	0°6/29.9	18		<b>215150</b>	1999 VJ <sub>117</sub>		6 29.9 359°90	2°7/30.2	17	
5 21	19 5.91	-22 5.4	1.797	2.611	15.9	21.3	5 21	18 57.13	-18 28.9	1.058	1.922	21.3	20.3
5 31	19 1.89	-21 55.9	1.699	2.599	12.8	21.1	5 31	18 56.29	-18 11.1	0.992	1.918	17.2	20.0
6 10	18 55.15	-21 48.8	1.623	2.586	9.0	20.8	6 10	18 51.96	-18 1.7	0.942	1.916	12.2	19.7
6 20	18 46.18	-21 42.8	1.569	2.572	4.7	20.5	6 20	18 44.76	-18 1.1	0.911	1.915	6.8	19.4
6 30	18 35.88	-21 36.6	1.542	2.558	0.6	20.2	6 30	18 35.94	-18 8.6	0.901	1.916	2.7	19.2
7 10	18 25.43	-21 29.5	1.541	2.544	4.8	20.5	7 10	18 27.16	-18 22.6	0.913	1.918	6.6	19.4
7 20	18 16.02	-21 21.6	1.566	2.530	9.3	20.7	7 20	18 20.00	-18 41.3	0.946	1.922	12.0	19.7
7 30	18 8.72	-21 13.8	1.615	2.515	13.4	20.9	7 30	18 15.72	-19 3.0	0.997	1.927	16.9	20.0
<b>87658</b>	2000 RE <sub>93</sub>		6 29.9 159°65	0°6/29.8	18		<b>285420</b>	1999 VR <sub>74</sub>		6 29.9 207°39	4°9/28.6	18	
5 21	19 3.82	-25 58.5	2.612	3.410	12.0	19.6	5 21	19 5.67	-37 31.0	2.692	3.479	11.9	21.1
5 31	18 59.13	-25 51.5	2.524	3.414	9.5	19.4	5 31	19 1.03	-38 21.7	2.602	3.476	9.8	20.9
6 10	18 52.56	-25 43.8	2.458	3.417	6.6	19.2	6 10	18 54.18	-39 8.1	2.535	3.472	7.6	20.8
6 20	18 44.60	-25 33.8	2.419	3.421	3.4	19.0	6 20	18 45.57	-39 46.0	2.494	3.468	5.6	20.6
6 30	18 35.90	-25 20.8	2.407	3.424	0.6	18.8	6 30	18 35.94	-40 11.7	2.479	3.464	4.9	20.6
7 10	18 27.29	-25 4.4	2.425	3.426	3.5	19.0	7 10	18 26.24	-40 23.1	2.492	3.460	6.1	20.7
7 20	18 19.50	-24 45.2	2.471	3.429	6.7	19.2	7 20	18 17.39	-40 20.4	2.532	3.455	8.2	20.8
7 30	18 13.19	-24 24.3	2.542	3.431	9.5	19.4	7 30	18 10.22	-40 5.4	2.596	3.450	10.5	20.9
<b>434358</b>	2004 RS <sub>356</sub>		6 29.9 286°36	5°5/28.9	18		<b>308713</b>	2006 GG <sub>34</sub>		6 29.9 193°26	2°4/30.3	17	

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>68266</b>	2001 <i>ES</i> <sub>14</sub>		6 29.9 172°13	4.6/1.4	18		<b>120510</b>	1993 <i>TU</i> <sub>16</sub>		6 29.9 285°76	0.8/29.8	18	
5 21	18 59.53	-6 37.0	2.648	3.415	12.6	19.9	5 21	19 1.59	-24 32.3	2.350	3.159	12.8	20.5
5 31	18 55.68	-6 33.3	2.558	3.416	10.5	19.8	5 31	18 57.90	-24 46.5	2.245	3.141	10.2	20.3
6 10	18 50.18	-6 40.2	2.489	3.417	8.1	19.6	6 10	18 52.09	-25 2.5	2.161	3.123	7.2	20.1
6 20	18 43.43	-6 58.5	2.445	3.417	5.9	19.5	6 20	18 44.57	-25 18.4	2.102	3.105	3.7	19.8
6 30	18 35.99	-7 28.2	2.428	3.418	4.6	19.4	6 30	18 36.02	-25 32.3	2.071	3.087	0.8	19.6
7 10	18 28.51	-8 8.1	2.439	3.418	5.4	19.4	7 10	18 27.31	-25 42.5	2.067	3.069	4.0	19.8
7 20	18 21.67	-8 56.2	2.476	3.419	7.5	19.6	7 20	18 19.33	-25 48.6	2.090	3.050	7.6	20.0
7 30	18 16.04	-9 50.2	2.540	3.419	9.9	19.7	7 30	18 12.90	-25 50.9	2.138	3.032	10.8	20.1
<b>337017</b>	1995 <i>DT</i> <sub>5</sub>		6 29.9 163°68	2.5/29.6	18		<b>386368</b>	2008 <i>TU</i> <sub>128</sub>		6 29.9 210°77	5.6/28.7	18	
5 21	19 6.60	-30 30.8	2.301	3.101	13.3	21.2	5 21	19 9.46	-37 16.8	2.263	3.054	13.8	21.8
5 31	19 1.75	-30 42.0	2.215	3.105	10.6	21.1	5 31	19 4.55	-38 12.3	2.173	3.049	11.4	21.6
6 10	18 54.62	-30 50.4	2.152	3.108	7.6	20.9	6 10	18 56.94	-39 3.5	2.104	3.043	8.8	21.4
6 20	18 45.74	-30 53.3	2.113	3.111	4.4	20.7	6 20	18 47.12	-39 44.9	2.060	3.037	6.5	21.3
6 30	18 35.96	-30 48.3	2.102	3.113	2.5	20.6	6 30	18 35.99	-40 11.7	2.043	3.030	5.6	21.2
7 10	18 26.25	-30 34.7	2.120	3.115	4.6	20.7	7 10	18 24.74	-40 21.0	2.052	3.022	7.0	21.3
7 20	18 17.56	-30 13.2	2.164	3.117	7.8	20.9	7 20	18 14.56	-40 13.1	2.088	3.014	9.5	21.4
7 30	18 10.69	-29 46.0	2.233	3.118	10.8	21.1	7 30	18 6.47	-39 50.8	2.147	3.006	12.2	21.6
<b>518194</b>	2016 <i>PS</i> <sub>96</sub>		6 29.9 252°44	1.4/30.2	18		<b>434723</b>	2006 <i>DZ</i> <sub>165</sub>		6 29.9 98°95	1.0/29.7	17	
5 21	19 3.02	-18 3.7	1.942	2.752	15.1	22.0	5 21	19 4.67	-24 25.2	1.866	2.682	15.4	21.5
5 31	18 59.31	-18 13.0	1.849	2.745	12.1	21.8	5 31	19 0.69	-24 46.2	1.786	2.687	12.2	21.3
6 10	18 53.20	-18 29.1	1.777	2.738	8.6	21.5	6 10	18 54.17	-25 9.7	1.728	2.692	8.5	21.1
6 20	18 45.15	-18 50.9	1.729	2.730	4.6	21.3	6 20	18 45.64	-25 33.0	1.693	2.696	4.4	20.9
6 30	18 35.97	-19 16.9	1.708	2.723	1.5	21.0	6 30	18 36.01	-25 53.3	1.685	2.701	1.0	20.6
7 10	18 26.67	-19 45.1	1.713	2.716	4.5	21.2	7 10	18 26.41	-26 8.4	1.704	2.706	4.6	20.9
7 20	18 18.28	-20 13.8	1.745	2.708	8.6	21.5	7 20	18 17.93	-26 17.9	1.748	2.710	8.6	21.2
7 30	18 11.70	-20 41.8	1.801	2.700	12.3	21.7	7 30	18 11.48	-26 22.3	1.817	2.715	12.2	21.4
<b>24232</b>	Lanthrum		6 29.9 10°05	1.7/29.9	18		<b>425581</b>	2010 <i>TB</i> <sub>106</sub>		6 29.9 207°08	0.3/29.9	17	
5 21	19 2.26	-21 12.1	1.587	2.416	17.0	17.8	5 21	19 7.97	-23 37.0	1.930	2.737	15.3	23.2
5 31	18 59.07	-20 38.5	1.511	2.418	13.6	17.6	5 31	19 3.31	-23 43.1	1.837	2.732	12.2	22.9
6 10	18 53.15	-20 6.8	1.454	2.420	9.6	17.4	6 10	18 56.03	-23 51.4	1.765	2.727	8.5	22.7
6 20	18 45.12	-19 37.1	1.420	2.422	5.1	17.1	6 20	18 46.63	-23 59.8	1.718	2.720	4.4	22.4
6 30	18 35.97	-19 9.7	1.410	2.425	1.7	16.9	6 30	18 36.00	-24 5.9	1.697	2.714	0.4	22.1
7 10	18 26.95	-18 45.3	1.426	2.429	5.1	17.1	7 10	18 25.31	-24 8.4	1.704	2.706	4.5	22.4
7 20	18 19.18	-18 24.6	1.467	2.434	9.5	17.4	7 20	18 15.66	-24 7.1	1.737	2.698	8.8	22.7
7 30	18 13.62	-18 8.4	1.531	2.439	13.5	17.6	7 30	18 8.05	-24 2.9	1.795	2.689	12.6	22.9
<b>49112</b>	1998 <i>SF</i> <sub>6</sub>		6 29.9 247°63	1.6/30.1	18		<b>173556</b>	2000 <i>YV</i> <sub>125</sub>		6 29.9 139°98	4.5/29.4	18	
5 21	19 5.02	-18 52.6	1.795	2.607	16.0	20.1	5 21	19 11.86	-33 18.9	1.782	2.589	16.4	20.7
5 31	19 1.17	-18 50.2	1.699	2.596	12.9	19.9	5 31	19 6.72	-33 53.2	1.708	2.598	13.2	20.5
6 10	18 54.66	-18 53.5	1.623	2.584	9.2	19.6	6 10	18 58.51	-34 23.5	1.655	2.607	9.7	20.3
6 20	18 45.98	-19 1.8	1.571	2.572	5.0	19.4	6 20	18 47.89	-34 44.3	1.624	2.616	6.2	20.1
6 30	18 35.97	-19 13.7	1.545	2.560	1.6	19.1	6 30	18 36.00	-34 51.2	1.620	2.624	4.5	20.0
7 10	18 25.79	-19 27.9	1.545	2.547	4.9	19.3	7 10	18 24.27	-34 42.4	1.642	2.631	6.5	20.2
7 20	18 16.60	-19 43.1	1.571	2.534	9.3	19.5	7 20	18 14.03	-34 19.2	1.690	2.638	10.0	20.4
7 30	18 9.43	-19 59.0	1.620	2.520	13.3	19.7	7 30	18 6.33	-33 45.7	1.762	2.644	13.3	20.6
<b>228667</b>	2002 <i>GK</i> <sub>144</sub>		6 29.9 157°78	1.1/30.2	17		<b>294253</b>	2007 <i>UG</i> <sub>71</sub>		6 29.9 135°41	0.9/29.7	17	
5 21	19 5.08	-17 44.4	2.248	3.044	13.7	20.9	5 21	19 4.08	-24 38.4	2.243	3.049	13.4	21.7
5 31	19 0.46	-18 8.9	2.163	3.050	11.0	20.7	5 31	18 59.75	-24 55.7	2.160	3.055	10.7	21.5
6 10	18 53.71	-18 40.2	2.099	3.056	7.7	20.5	6 10	18 53.25	-25 14.6	2.100	3.061	7.4	21.3
6 20	18 45.32	-19 16.5	2.061	3.061	4.1	20.3	6 20	18 45.09	-25 32.9	2.064	3.066	3.8	21.1
6 30	18 35.99	-19 55.8	2.050	3.066	1.1	20.1	6 30	18 36.04	-25 48.3	2.056	3.072	0.9	20.8
7 10	18 26.64	-20 35.8	2.068	3.070	3.9	20.3	7 10	18 27.02	-25 59.5	2.076	3.077	4.0	21.1
7 20	18 18.14	-21 14.4	2.114	3.073	7.5	20.5	7 20	18 18.92	-26 6.0	2.123	3.082	7.5	21.3
7 30	18 11.26	-21 50.7	2.185	3.077	10.8	20.7	7 30	18 12.52	-26 8.4	2.195	3.087	10.7	21.5
<b>304718</b>	2006 <i>XA</i> <sub>7</sub>		6 29.9 91°98	2.8/29.0	18		<b>342159</b>	2008 <i>SC</i> <sub>149</sub>		6 29.9 308°04	5.3/30.4	16	
5 21	19 4.38	-28 11.0	2.321	3.126	13.1	20.7	5 21	19 0.56	-12 9.2	1.633	2.448	17.3	20.8
5 31	19 0.05	-29 8.3	2.243	3.136	10.4	20.5	5 31	18 57.80	-11 29.4	1.540	2.432	14.3	20.6
6 10	18 53.51	-30 6.6	2.188	3.146	7.4	20.3	6 10	18 52.43	-10 58.4	1.465	2.417	10.8	20.3
6 20	18 45.24	-31 2.1	2.159	3.156	4.3	20.2	6 20	18 44.89	-10 38.6	1.413	2.402	7.3	20.1
6 30	18 36.00	-31 50.9	2.157	3.166	2.8	20.1	6 30	18 36.04	-10 31.6	1.384	2.387	5.4	19.9
7 10	18 26.74	-32 30.0	2.184	3.176	4.8	20.2	7 10	18 27.00	-10 37.8	1.381	2.372	7.1	20.0
7 20	18 18.39	-32 58.4	2.238	3.186	7.8	20.4	7 20	18 18.94	-10 56.3	1.401	2.358	10.8	20.2
7 30	18 11.73	-33 16.7	2.316	3.196	10.7	20.6	7 30	18 12.89	-11 25.1	1.443	2.345	14.6	20.4
<b>244532</b>	2002 <i>TX</i> <sub>299</sub>		6 29.9 304°68	1.3/30.0	18		<b>31592</b>	Jacobplaut		6 29.9 147°83	3.0/30.2	18	
5 21	19 2.15	-20 31.2	1.910	2.726	15.1	20.4	5 21	19 8.29	-16 50.5	1.691	2.498	17.1	19.0
5 31	18 58.64	-20 14.7	1.818	2.718	12.1	20.2	5 31	19 3.58	-16 23.0	1.614	2.506	13.8	18.8
6 10	18 52.74	-20 1.0	1.746	2.709	8.5	20.0	6 10	18 56.17	-16 1.4	1.557	2.514	9.9	18.6
6 20	18 44.92	-19 49.9	1.699	2.701	4.5	19.7	6 20	18 46.66	-15 46.1	1.523	2.521	5.7	18.4
6 30	18 36.01	-19 40.7	1.677	2.692	1.3	19.5	6 30	18 36.05	-15 37.0	1.516	2.527	3.0	18.2
7 10	18 27.05	-19 33.0	1.682	2.684	4.6	19.7	7 10	18 25.54	-15 34.0	1.534	2.533	5.6	18.4
7 20	18 19.05	-19 27.1	1.712	2.676	8.6	19.9	7 20	18 16.28	-15 36.6	1.579	2.538	9.6	18.6
7 30	18 12.91	-19 23.0	1.767	2.668	12.3	20.1	7 30	18 9.21	-15 44.2	1.647	2.543	13.4	18.9
<b>215841</b>	Čimelice		6 29.9 113°07	0.9/30.0	17		<b>508694</b>	2017 <i>UG</i> <sub>19</sub>		6 29.9 14°91	1.5/30.1		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>365111</b>	2009 CA <sub>18</sub>		6 29.9 207°77	0°8/29.9 17			<b>9964</b>	Hideyonoguchi		6 29.9 4°94	5°6/29.4 18		
5 21	19 9.33	-25 20.5	1.628	2.445	17.2	21.5	5 21	19 3.29	-33 8.9	1.257	2.104	19.6	16.6
5 31	19 4.90	-25 17.6	1.541	2.442	13.8	21.3	5 31	19 1.22	-33 48.3	1.190	2.104	16.0	16.4
6 10	18 57.41	-25 14.9	1.474	2.438	9.7	21.0	6 10	18 55.43	-34 23.4	1.140	2.104	11.8	16.1
6 20	18 47.44	-25 10.1	1.430	2.433	5.0	20.7	6 20	18 46.61	-34 47.8	1.110	2.105	7.6	15.9
6 30	18 36.05	-25 0.9	1.412	2.429	0.8	20.4	6 30	18 36.11	-34 55.5	1.102	2.108	5.6	15.8
7 10	18 24.65	-24 46.3	1.420	2.423	5.2	20.7	7 10	18 25.72	-34 43.9	1.118	2.111	8.0	15.9
7 20	18 14.58	-24 27.1	1.454	2.417	9.9	21.0	7 20	18 17.13	-34 14.8	1.155	2.116	12.2	16.2
7 30	18 6.97	-24 5.5	1.511	2.411	14.1	21.2	7 30	18 11.64	-33 33.2	1.213	2.121	16.3	16.4
<b>112809</b>	2002 QA <sub>3</sub>		6 29.9 198°18	0°3/29.9 18			<b>161616</b>	2005 UB <sub>497</sub>		6 29.9 94°95	1°6/29.5 18		
5 21	19 3.83	-22 32.5	2.058	2.868	14.3	19.7	5 21	19 3.00	-25 33.3	2.339	3.145	13.0	20.3
5 31	18 59.76	-22 28.5	1.971	2.867	11.4	19.5	5 31	18 58.89	-26 12.1	2.258	3.152	10.3	20.1
6 10	18 53.39	-22 26.5	1.905	2.867	8.0	19.2	6 10	18 52.69	-26 53.0	2.199	3.160	7.1	19.9
6 20	18 45.23	-22 25.2	1.863	2.866	4.1	19.0	6 20	18 44.86	-27 32.9	2.165	3.167	3.8	19.7
6 30	18 36.09	-22 23.5	1.848	2.865	0.3	18.7	6 30	18 36.13	-28 9.0	2.160	3.174	1.6	19.6
7 10	18 26.96	-22 20.5	1.861	2.864	4.1	19.0	7 10	18 27.40	-28 39.0	2.182	3.181	4.1	19.8
7 20	18 18.81	-22 16.2	1.900	2.863	8.0	19.2	7 20	18 19.52	-29 1.8	2.231	3.188	7.4	20.0
7 30	18 12.44	-22 11.3	1.964	2.861	11.5	19.5	7 30	18 13.25	-29 17.8	2.306	3.194	10.4	20.2
<b>196512</b>	2003 NZ <sub>2</sub>		6 29.9 326°43	4°4/1.3 18			<b>242694</b>	2005 TG <sub>23</sub>		6 29.9 202°88	3°8/28.7 18		
5 21	19 1.22	-9 46.6	1.669	2.475	17.3	19.4	5 21	19 5.43	-36 30.7	3.353	4.130	10.0	21.5
5 31	18 58.25	-10 3.9	1.580	2.468	14.3	19.2	5 31	19 0.37	-37 14.0	3.256	4.125	8.2	21.3
6 10	18 52.71	-10 37.2	1.511	2.461	10.7	18.9	6 10	18 53.51	-37 53.8	3.182	4.119	6.2	21.2
6 20	18 45.05	-11 27.0	1.464	2.454	6.9	18.7	6 20	18 45.23	-38 27.0	3.135	4.112	4.5	21.0
6 30	18 36.10	-12 31.8	1.442	2.448	4.4	18.5	6 30	18 36.13	-38 50.8	3.117	4.105	3.8	21.0
7 10	18 26.97	-13 47.9	1.445	2.442	6.1	18.6	7 10	18 26.95	-39 3.7	3.127	4.097	4.9	21.1
7 20	18 18.80	-15 10.5	1.474	2.437	9.9	18.8	7 20	18 18.40	-39 5.4	3.165	4.089	6.8	21.2
7 30	18 12.60	-16 35.0	1.527	2.432	13.7	19.0	7 30	18 11.15	-38 57.3	3.229	4.080	8.7	21.3
<b>70441</b>	1999 TH <sub>8</sub>		6 29.9 234°65	0°0/29.9 18			<b>292908</b>	2006 VM <sub>51</sub>		6 29.9 139°97	1°7/29.6 17		
5 21	19 7.95	-23 23.0	1.942	2.749	15.2	19.9	5 21	19 8.32	-25 56.1	1.956	2.763	15.1	21.2
5 31	19 3.38	-23 20.7	1.841	2.736	12.2	19.6	5 31	19 3.48	-26 24.6	1.878	2.773	12.0	21.0
6 10	18 56.17	-23 19.9	1.761	2.722	8.6	19.4	6 10	18 56.06	-26 54.6	1.822	2.783	8.4	20.8
6 20	18 46.78	-23 19.0	1.705	2.708	4.4	19.1	6 20	18 46.64	-27 22.7	1.790	2.792	4.4	20.6
6 30	18 36.09	-23 16.3	1.676	2.692	0.1	18.7	6 30	18 36.13	-27 45.7	1.786	2.800	1.7	20.4
7 10	18 25.24	-23 10.6	1.674	2.677	4.6	19.1	7 10	18 25.69	-28 1.3	1.809	2.808	4.7	20.6
7 20	18 15.37	-23 2.1	1.699	2.660	8.9	19.3	7 20	18 16.40	-28 9.2	1.858	2.816	8.5	20.9
7 30	18 7.50	-22 51.8	1.749	2.643	12.8	19.5	7 30	18 9.18	-28 10.5	1.932	2.823	12.0	21.1
<b>374725</b>	2006 SV <sub>52</sub>		6 29.9 278°15	4°1/29.6 18			<b>309711</b>	2008 GV <sub>29</sub>		6 29.9 110°81	4°7/30.7 18		
5 21	19 7.85	-31 45.3	1.577	2.401	17.4	21.2	5 21	19 0.18	-9 34.7	2.347	3.130	13.6	21.2
5 31	19 4.26	-32 7.5	1.485	2.386	14.2	21.0	5 31	18 56.43	-9 6.4	2.262	3.133	11.2	21.0
6 10	18 57.32	-32 26.8	1.411	2.372	10.3	20.7	6 10	18 50.85	-8 46.9	2.199	3.135	8.5	20.9
6 20	18 47.56	-32 38.0	1.360	2.357	6.3	20.4	6 20	18 43.88	-8 37.3	2.159	3.138	6.0	20.7
6 30	18 36.08	-32 36.4	1.333	2.342	4.1	20.2	6 30	18 36.16	-8 38.5	2.146	3.141	4.7	20.6
7 10	18 24.43	-32 19.7	1.332	2.327	6.7	20.4	7 10	18 28.45	-8 50.0	2.160	3.143	5.7	20.7
7 20	18 14.15	-31 49.0	1.354	2.312	11.0	20.6	7 20	18 21.49	-9 10.9	2.201	3.146	8.1	20.9
7 30	18 6.55	-31 8.1	1.399	2.297	15.2	20.8	7 30	18 15.93	-9 39.4	2.266	3.148	10.8	21.0
<b>102465</b>	1999 TB <sub>231</sub>		6 29.9 334°21	7°9/27.7 18			<b>345915</b>	2007 RR <sub>170</sub>		6 29.9 314°43	2°7/30.4 16		
5 21	19 6.38	-41 30.1	2.074	2.870	14.7	19.2	5 21	19 0.69	-15 47.2	1.731	2.550	16.3	21.1
5 31	19 2.67	-42 51.2	1.993	2.865	12.5	19.0	5 31	18 57.80	-15 43.5	1.639	2.538	13.2	20.9
6 10	18 55.97	-44 6.1	1.933	2.860	10.2	18.9	6 10	18 52.39	-15 48.3	1.567	2.527	9.5	20.6
6 20	18 46.79	-45 8.0	1.897	2.855	8.4	18.7	6 20	18 44.89	-16 1.7	1.517	2.516	5.6	20.4
6 30	18 36.09	-45 50.6	1.885	2.850	7.9	18.7	6 30	18 36.15	-16 23.0	1.493	2.505	2.7	20.2
7 10	18 25.22	-46 10.3	1.898	2.846	9.1	18.8	7 10	18 27.26	-16 50.4	1.494	2.495	5.3	20.3
7 20	18 15.55	-46 7.3	1.935	2.842	11.2	18.9	7 20	18 19.31	-17 22.1	1.520	2.485	9.4	20.5
7 30	18 8.23	-45 44.9	1.994	2.839	13.6	19.0	7 30	18 13.31	-17 56.2	1.569	2.475	13.3	20.7
<b>342625</b>	2008 UP <sub>342</sub>		6 29.9 328°98	2°9/30.2 17			<b>317714</b>	2003 QN <sub>28</sub>		6 29.9 327°04	2°5/29.9 18		
5 21	19 2.28	-16 48.1	1.751	2.567	16.2	20.7	5 21	19 0.30	-28 42.8	1.119	1.980	20.6	20.1
5 31	18 58.89	-16 25.8	1.666	2.564	13.1	20.5	5 31	18 59.34	-28 39.3	1.034	1.960	16.7	19.8
6 10	18 53.00	-16 9.5	1.602	2.561	9.4	20.3	6 10	18 54.55	-28 32.5	0.966	1.940	12.0	19.5
6 20	18 45.11	-15 59.7	1.560	2.558	5.5	20.1	6 20	18 46.40	-28 18.5	0.916	1.921	6.6	19.1
6 30	18 36.11	-15 56.4	1.544	2.555	2.9	19.9	6 30	18 36.14	-27 53.9	0.888	1.903	2.5	18.8
7 10	18 27.09	-15 59.1	1.553	2.553	5.3	20.0	7 10	18 25.61	-27 17.6	0.882	1.887	6.9	19.0
7 20	18 19.12	-16 7.1	1.588	2.550	9.3	20.3	7 20	18 16.71	-26 31.9	0.897	1.872	12.7	19.3
7 30	18 13.11	-16 19.7	1.646	2.548	13.0	20.5	7 30	18 11.04	-25 41.8	0.930	1.858	18.1	19.5
<b>410679</b>	2008 US <sub>288</sub>		6 29.9 274°62	0°6/29.8 17			<b>313133</b>	2001 BA <sub>74</sub>		6 29.9 32°35	9°8/3.0 17		
5 21	19 6.22	-22 51.9	1.391	2.224	18.8	22.3	5 21	19 24.62	-48 18.5	1.019	1.834	25.3	18.7
5 31	19 3.27	-23 10.7	1.296	2.206	15.2	22.0	5 31	19 18.51	-47 40.0	0.976	1.858	21.4	18.5
6 10	18 56.89	-23 35.4	1.219	2.187	10.8	21.7	6 10	19 6.99	-46 32.8	0.947	1.883	17.0	18.4
6 20	18 47.49	-24 3.4	1.163	2.168	5.6	21.4	6 20	18 51.93	-44 48.7	0.937	1.909	12.7	18.2
6 30	18 36.09	-24 30.7	1.132	2.148	0.6	20.9	6 30	18 36.10	-42 26.3	0.948	1.937	10.0	18.2
7 10	18 24.26	-24 53.7	1.125	2.128	5.9	21.3	7 10	18 22.26	-39 35.3	0.983	1.966	10.7	18.3
7 20	18 13.65	-25 10.6	1.141	2.109	11.5	21.5	7 20	18 12.15	-36 32.3	1.041	1.996	13.8	18.6
7 30	18 5.75	-25 21.8	1.179	2.089	16.5	21.7	7 30	18 6.50	-33 33.6	1.121	2.026	17.5	18.9
<b>440310</b>	2004 SR <sub>3</sub>		6 29.9 247°37	3°4/29.7 18			<b>131743</b>	2001 YH <sub>1</sub>					

EPHEMERIDES

6 29.9

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>308710</b>	2006 <i>GO</i> <sub>16</sub>		6 29.9 114°34'	1.7°/29.7	17		<b>338643</b>	2003 <i>SV</i> <sub>305</sub>		6 29.9 249°53'	1.5°/30.0	18	
5 21	19 8.59	-25 4.4	1.490	2.316	18.1	21.7	5 21	19 4.22	-20 10.8	2.025	2.833	14.6	21.1
5 31	19 4.51	-25 33.4	1.419	2.324	14.5	21.5	5 31	19 0.16	-19 48.6	1.930	2.825	11.7	20.9
6 10	18 57.22	-26 5.4	1.367	2.332	10.1	21.3	6 10	18 53.76	-19 28.9	1.857	2.816	8.3	20.7
6 20	18 47.38	-26 36.5	1.338	2.341	5.3	21.0	6 20	18 45.51	-19 11.3	1.807	2.808	4.5	20.4
6 30	18 36.15	-27 2.5	1.333	2.348	1.7	20.8	6 30	18 36.21	-18 55.7	1.784	2.799	1.5	20.2
7 10	18 25.00	-27 20.3	1.354	2.356	5.6	21.1	7 10	18 26.87	-18 42.1	1.789	2.791	4.5	20.4
7 20	18 15.36	-27 29.4	1.400	2.363	10.2	21.4	7 20	18 18.45	-18 30.7	1.820	2.782	8.4	20.6
7 30	18 8.34	-27 31.3	1.469	2.370	14.4	21.6	7 30	18 11.83	-18 22.0	1.876	2.773	12.0	20.8
<b>433107</b>	2012 <i>TP</i> <sub>122</sub>		6 29.9 347°06'	7.7°/28.3	17		<b>176608</b>	2002 <i>EQ</i> <sub>110</sub>		6 29.9 95°28'	4.5°/1.2	18	
5 21	19 5.17	-37 12.4	1.543	2.369	17.6	20.6	5 21	19 0.49	-8 13.4	2.444	3.220	13.3	20.0
5 31	19 2.46	-38 29.9	1.468	2.364	14.6	20.4	5 31	18 56.55	-8 3.3	2.366	3.231	11.0	19.8
6 10	18 56.25	-39 43.2	1.411	2.359	11.4	20.2	6 10	18 50.87	-8 3.3	2.310	3.243	8.4	19.7
6 20	18 47.09	-40 44.4	1.377	2.356	8.7	20.0	6 20	18 43.89	-8 14.2	2.278	3.255	5.9	19.5
6 30	18 36.15	-41 25.5	1.365	2.352	7.8	20.0	6 30	18 36.23	-8 35.9	2.272	3.266	4.5	19.4
7 10	18 25.09	-41 42.2	1.378	2.350	9.5	20.1	7 10	18 28.62	-9 7.3	2.294	3.277	5.4	19.5
7 20	18 15.55	-41 34.7	1.413	2.348	12.5	20.2	7 20	18 21.75	-9 46.7	2.343	3.289	7.7	19.7
7 30	18 8.89	-41 7.2	1.468	2.346	15.8	20.4	7 30	18 16.23	-10 31.6	2.417	3.300	10.2	19.9
<b>263655</b>	2008 <i>GR</i> <sub>99</sub>		6 29.9 199°64'	1.0°/30.1	18		<b>58651</b>	1997 <i>WL</i> <sub>42</sub>		6 29.9 175°55'	1.7°/29.6	18	R
5 21	19 1.28	-19 10.6	2.567	3.365	12.2	21.3	5 21	19 7.48	-26 22.8	2.223	3.024	13.7	20.0
5 31	18 57.26	-19 15.6	2.475	3.364	9.7	21.1	5 31	19 2.61	-26 52.2	2.135	3.026	10.9	19.8
6 10	18 51.43	-19 24.5	2.404	3.362	6.8	20.9	6 10	18 55.39	-27 22.8	2.070	3.028	7.7	19.6
6 20	18 44.20	-19 36.7	2.359	3.360	3.6	20.7	6 20	18 46.32	-27 51.5	2.029	3.030	4.1	19.4
6 30	18 36.18	-19 51.0	2.342	3.357	1.0	20.5	6 30	18 36.21	-28 15.3	2.016	3.030	1.7	19.2
7 10	18 28.14	-20 6.3	2.353	3.355	3.5	20.7	7 10	18 26.07	-28 32.1	2.032	3.031	4.4	19.4
7 20	18 20.79	-20 21.8	2.392	3.352	6.7	20.9	7 20	18 16.88	-28 41.5	2.075	3.030	7.9	19.7
7 30	18 14.81	-20 37.1	2.457	3.350	9.7	21.1	7 30	18 9.50	-28 44.2	2.143	3.029	11.2	19.9
<b>93689</b>	2000 <i>VT</i> <sub>20</sub>		6 29.9 110°28'	1.6°/30.1	18		<b>34198</b>	Oliverleitner		6 29.9 224°39'	1.8°/30.2	18	
5 21	19 4.32	-19 7.1	1.852	2.664	15.6	19.8	5 21	19 4.62	-18 36.2	1.966	2.773	15.0	19.1
5 31	19 0.32	-18 56.2	1.773	2.669	12.5	19.6	5 31	19 0.55	-18 25.6	1.874	2.767	12.1	18.9
6 10	18 53.87	-18 49.9	1.714	2.674	8.8	19.4	6 10	18 54.08	-18 19.7	1.802	2.761	8.6	18.7
6 20	18 45.53	-18 47.7	1.679	2.679	4.8	19.2	6 20	18 45.70	-18 18.1	1.755	2.755	4.7	18.4
6 30	18 36.17	-18 48.8	1.669	2.684	1.6	19.0	6 30	18 36.22	-18 20.0	1.734	2.748	1.8	18.2
7 10	18 26.88	-18 52.3	1.687	2.689	4.6	19.2	7 10	18 26.68	-18 24.7	1.740	2.741	4.6	18.4
7 20	18 18.67	-18 57.7	1.731	2.694	8.6	19.4	7 20	18 18.07	-18 31.6	1.772	2.734	8.6	18.6
7 30	18 12.40	-19 4.8	1.798	2.698	12.2	19.7	7 30	18 11.30	-18 40.3	1.829	2.726	12.2	18.8
<b>26890</b>	1995 <i>BC</i> <sub>4</sub>		6 29.9 214°85'	2.1°/30.3	18		<b>115837</b>	2003 <i>US</i> <sub>260</sub>		6 29.9 51°83'	0.5°/29.9	17	R
5 21	19 5.37	-16 37.3	2.137	2.933	14.3	18.9	5 21	19 6.07	-22 57.6	1.270	2.111	19.8	19.2
5 31	19 0.95	-16 37.7	2.039	2.926	11.6	18.7	5 31	19 2.74	-23 12.4	1.213	2.127	15.7	19.0
6 10	18 54.26	-16 44.5	1.963	2.918	8.3	18.5	6 10	18 56.06	-23 31.7	1.174	2.143	10.9	18.8
6 20	18 45.76	-16 57.3	1.911	2.909	4.7	18.2	6 20	18 46.78	-23 52.4	1.156	2.161	5.5	18.5
6 30	18 36.18	-17 15.0	1.887	2.900	2.1	18.0	6 30	18 36.21	-24 11.0	1.162	2.178	0.5	18.2
7 10	18 26.47	-17 36.4	1.890	2.890	4.5	18.2	7 10	18 25.94	-24 25.2	1.191	2.196	5.6	18.6
7 20	18 17.59	-18 0.0	1.921	2.880	8.2	18.4	7 20	18 17.40	-24 34.3	1.245	2.214	10.6	19.0
7 30	18 10.39	-18 24.9	1.976	2.868	11.7	18.6	7 30	18 11.64	-24 39.2	1.320	2.232	14.9	19.3
<b>382956</b>	2004 <i>VG</i> <sub>77</sub>		6 29.9 264°10'	1.1°/30.1	18		<b>134672</b>	1999 <i>VE</i> <sub>205</sub>		6 29.9 298°13'	0.2°/29.9	18	
5 21	19 4.68	-20 5.7	2.058	2.864	14.5	21.7	5 21	19 4.31	-23 21.0	1.445	2.280	18.2	19.8
5 31	19 0.68	-20 0.1	1.949	2.843	11.7	21.4	5 31	19 1.69	-23 9.8	1.340	2.251	14.8	19.5
6 10	18 54.26	-19 58.2	1.862	2.822	8.3	21.2	6 10	18 55.78	-23 0.0	1.254	2.222	10.5	19.2
6 20	18 45.84	-19 59.3	1.799	2.800	4.4	20.9	6 20	18 46.97	-22 50.4	1.189	2.193	5.5	18.8
6 30	18 36.18	-20 2.2	1.762	2.778	1.1	20.6	6 30	18 36.21	-22 38.9	1.148	2.164	0.2	18.3
7 10	18 26.28	-20 6.1	1.753	2.756	4.5	20.8	7 10	18 24.97	-22 24.7	1.131	2.136	5.8	18.7
7 20	18 17.18	-20 10.5	1.771	2.733	8.6	21.0	7 20	18 14.81	-22 8.2	1.138	2.107	11.3	18.9
7 30	18 9.84	-20 15.3	1.813	2.709	12.4	21.2	7 30	18 7.20	-21 51.2	1.166	2.079	16.4	19.1
<b>185614</b>	2008 <i>CD</i> <sub>61</sub>		6 29.9 285°22'	0.2°/29.9	18		<b>225966</b>	2002 <i>CK</i> <sub>104</sub>		6 29.9 134°73'	1.3°/30.2	18	
5 21	19 1.84	-22 35.1	2.179	2.990	13.6	20.9	5 21	19 5.78	-18 28.1	2.216	3.012	13.9	20.9
5 31	18 58.21	-22 51.5	2.083	2.981	10.9	20.6	5 31	19 0.99	-18 35.6	2.138	3.025	11.1	20.7
6 10	18 52.39	-23 11.2	2.009	2.972	7.6	20.4	6 10	18 54.09	-18 48.2	2.081	3.038	7.8	20.6
6 20	18 44.80	-23 32.5	1.960	2.963	3.9	20.2	6 20	18 45.58	-19 4.7	2.050	3.050	4.2	20.4
6 30	18 36.19	-23 53.3	1.937	2.954	0.2	19.9	6 30	18 36.23	-19 23.9	2.046	3.061	1.3	20.2
7 10	18 27.47	-24 11.9	1.943	2.945	4.0	20.2	7 10	18 26.96	-19 44.0	2.070	3.071	4.0	20.4
7 20	18 19.57	-24 27.2	1.974	2.936	7.8	20.4	7 20	18 18.61	-20 4.2	2.122	3.082	7.5	20.6
7 30	18 13.32	-24 39.2	2.031	2.928	11.2	20.6	7 30	18 11.94	-20 23.7	2.199	3.091	10.7	20.8
<b>478982</b>	2012 <i>XV</i> <sub>116</sub>		6 29.9 233°22'	0.8°/29.8	18		<b>478413</b>	2012 <i>DG</i>		6 29.9 192°80'	2.8°/30.9	18	
5 21	19 5.81	-25 42.2	2.598	3.392	12.1	22.5	5 21	19 0.10	-11 1.5	3.004	3.777	11.1	21.3
5 31	19 0.98	-25 44.3	2.490	3.378	9.7	22.3	5 31	18 56.01	-11 13.4	2.908	3.776	9.1	21.1
6 10	18 54.11	-25 46.1	2.404	3.362	6.8	22.0	6 10	18 50.42	-11 33.2	2.834	3.774	6.7	21.0
6 20	18 45.63	-25 46.1	2.345	3.346	3.5	21.8	6 20	18 43.66	-12 0.7	2.786	3.772	4.3	20.8
6 30	18 36.20	-25 42.7	2.314	3.330	0.8	21.6	6 30	18 36.25	-12 35.4	2.766	3.770	2.8	20.7
7 10	18 26.67	-25 35.1	2.312	3.313	3.7	21.8	7 10	18 28.79	-13 15.7	2.775	3.767	3.9	20.8
7 20	18 17.86	-25 23.5	2.338	3.295	7.1	22.0	7 20	18 21.86	-14 0.2	2.812	3.764	6.3	20.9
7 30	18 10.55	-25 8.9	2.391	3.277	10.2	22.1	7 30	18 16.01	-14 47.0	2.877	3.761	8.7	21.1
<b>278859</b>	2008 <i>TL</i> <sub>29</sub>		6 29.9 332°84'	4.1°/30.4	16		<b>35254</b>	1996 <i>BW</i> <sub>2</sub>					

EPHEMERIDES

6 29.9

6 29.9

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>393677</b>	2004 <i>RO</i> <sub>218</sub>	6 29.9 326°17	6°6/29.6	18			<b>263260</b>	2008 <i>BX</i> <sub>17</sub>	6 29.9 127°76	1°0/29.8	17		
5 21	18 58.74	-11 6.1	1.784	2.593	16.2	19.4	5 21	19 8.59	-24 56.5	1.726	2.541	16.5	21.9
5 31	18 56.20	-9 49.5	1.681	2.568	13.6	19.2	5 31	19 4.00	-25 8.7	1.652	2.551	13.1	21.7
6 10	18 51.26	-8 37.7	1.599	2.543	10.6	18.9	6 10	18 56.60	-25 22.4	1.597	2.560	9.1	21.5
6 20	18 44.36	-7 34.5	1.539	2.519	7.9	18.7	6 20	18 47.02	-25 34.8	1.566	2.569	4.7	21.2
6 30	18 36.25	-6 43.7	1.504	2.495	6.6	18.6	6 30	18 36.28	-25 43.3	1.562	2.578	1.0	21.0
7 10	18 27.92	-6 8.2	1.493	2.473	8.1	18.6	7 10	18 25.66	-25 46.1	1.584	2.586	4.8	21.3
7 20	18 20.43	-5 49.2	1.506	2.451	11.2	18.7	7 20	18 16.36	-25 43.5	1.632	2.594	9.1	21.5
7 30	18 14.71	-5 46.3	1.541	2.430	14.6	18.9	7 30	18 9.34	-25 36.7	1.704	2.602	12.9	21.8
<b>97892</b>	2000 <i>QH</i> <sub>63</sub>	6 29.9 179°43	1°5/29.6	17			<b>235785</b>	2004 <i>WV</i> <sub>10</sub>	6 29.9 252°21	2°0/29.6	18		
5 21	19 7.40	-23 28.7	1.543	2.367	17.7	19.7	5 21	19 6.90	-27 47.3	2.227	3.029	13.6	21.5
5 31	19 3.63	-24 11.6	1.463	2.367	14.1	19.5	5 31	19 2.41	-28 7.1	2.118	3.010	11.0	21.3
6 10	18 56.73	-25 0.6	1.402	2.368	9.9	19.2	6 10	18 55.47	-28 27.0	2.032	2.990	7.8	21.1
6 20	18 47.24	-25 51.7	1.365	2.368	5.2	19.0	6 20	18 46.51	-28 44.0	1.970	2.969	4.3	20.8
6 30	18 36.23	-26 39.7	1.352	2.368	1.5	18.7	6 30	18 36.29	-28 55.3	1.935	2.948	2.0	20.6
7 10	18 25.10	-27 20.4	1.366	2.367	5.5	19.0	7 10	18 25.84	-28 59.0	1.929	2.927	4.6	20.8
7 20	18 15.28	-27 51.8	1.404	2.367	10.2	19.3	7 20	18 16.22	-28 54.8	1.949	2.905	8.3	20.9
7 30	18 7.96	-28 14.0	1.465	2.366	14.4	19.5	7 30	18 8.40	-28 43.9	1.995	2.882	11.8	21.1
<b>261098</b>	2005 <i>SN</i> <sub>262</sub>	6 29.9 274°39	0°6/29.9	18			<b>360924</b>	2005 <i>TF</i> <sub>43</sub>	6 29.9 166°16	5°1/30.9	18		
5 21	19 2.39	-24 11.8	2.257	3.066	13.3	20.9	5 21	19 0.43	-6 55.1	2.672	3.438	12.5	22.2
5 31	18 58.58	-24 21.1	2.159	3.056	10.6	20.7	5 31	18 56.40	-6 22.3	2.585	3.441	10.5	22.0
6 10	18 52.62	-24 31.9	2.084	3.046	7.4	20.4	6 10	18 50.74	-5 58.4	2.520	3.443	8.2	21.9
6 20	18 44.94	-24 42.7	2.033	3.036	3.8	20.2	6 20	18 43.85	-5 44.8	2.479	3.446	6.1	21.7
6 30	18 36.25	-24 51.5	2.009	3.025	0.6	19.9	6 30	18 36.31	-5 42.5	2.464	3.448	5.1	21.7
7 10	18 27.49	-24 57.1	2.013	3.015	4.0	20.2	7 10	18 28.77	-5 51.4	2.477	3.449	5.8	21.7
7 20	18 19.53	-24 59.1	2.044	3.005	7.6	20.4	7 20	18 21.87	-6 10.5	2.517	3.451	7.8	21.8
7 30	18 13.20	-24 58.1	2.099	2.995	10.9	20.6	7 30	18 16.20	-6 38.3	2.582	3.452	10.1	22.0
<b>473059</b>	2015 <i>HZ</i> <sub>90</sub>	6 29.9 119°33	5°2/30.6	17			<b>503160</b>	2015 <i>GQ</i> <sub>36</sub>	6 29.9 19°71	21°4/5.8	18		
5 21	19 3.82	-9 45.9	2.094	2.878	15.0	21.1	5 21	18 59.06	+23 59.3	1.592	2.236	23.9	20.0
5 31	18 59.45	-9 4.1	2.019	2.889	12.4	21.0	5 31	18 56.63	+26 54.9	1.559	2.244	23.0	19.9
6 10	18 53.01	-8 31.2	1.964	2.901	9.4	20.8	6 10	18 51.58	+29 17.1	1.538	2.254	22.3	19.9
6 20	18 45.03	-8 9.2	1.933	2.911	6.7	20.7	6 20	18 44.49	+30 57.0	1.530	2.265	21.7	19.9
6 30	18 36.26	-7 59.2	1.929	2.922	5.2	20.6	6 30	18 36.30	+31 48.6	1.535	2.276	21.5	19.9
7 10	18 27.58	-8 1.2	1.951	2.932	6.4	20.7	7 10	18 28.16	+31 50.4	1.553	2.289	21.4	19.9
7 20	18 19.83	-8 14.1	1.999	2.942	9.0	20.9	7 20	18 21.20	+31 5.4	1.583	2.302	21.7	20.0
7 30	18 13.72	-8 36.3	2.071	2.951	11.7	21.0	7 30	18 16.32	+29 40.1	1.625	2.317	22.1	20.0
<b>107058</b>	2001 <i>AW</i> <sub>6</sub>	6 29.9 132°25	1°0/30.1	17			<b>369926</b>	2013 <i>EP</i> <sub>80</sub>	6 29.9 229°22	4°1/30.9	18		
5 21	19 7.81	-20 26.7	1.708	2.521	16.7	21.1	5 21	19 0.13	-9 34.2	2.499	3.279	13.0	21.1
5 31	19 3.30	-20 23.6	1.633	2.530	13.3	20.9	5 31	18 56.38	-9 23.2	2.405	3.274	10.7	21.0
6 10	18 56.07	-20 24.9	1.578	2.539	9.3	20.6	6 10	18 50.86	-9 21.2	2.333	3.270	8.1	20.8
6 20	18 46.72	-20 29.4	1.546	2.548	4.9	20.4	6 20	18 43.97	-9 29.1	2.284	3.265	5.6	20.6
6 30	18 36.25	-20 35.4	1.540	2.556	1.0	20.1	6 30	18 36.31	-9 47.1	2.263	3.260	4.1	20.5
7 10	18 25.90	-20 41.7	1.561	2.564	4.8	20.4	7 10	18 28.58	-10 14.2	2.269	3.255	5.2	20.6
7 20	18 16.79	-20 47.7	1.608	2.571	9.1	20.7	7 20	18 21.51	-10 49.0	2.302	3.250	7.7	20.7
7 30	18 9.89	-20 53.6	1.678	2.578	13.0	20.9	7 30	18 15.73	-11 29.4	2.360	3.245	10.3	20.9
<b>442537</b>	2011 <i>WE</i> <sub>151</sub>	6 29.9 231°64	4°1/29.3	18			<b>483635</b>	2004 <i>TQ</i> <sub>328</sub>	6 29.9 290°00	8°3/27.6	18		
5 21	19 6.29	-36 20.4	2.727	3.514	11.8	21.8	5 21	19 9.13	-45 28.8	2.356	3.130	13.8	21.1
5 31	19 1.47	-36 45.7	2.628	3.504	9.7	21.7	5 31	19 4.87	-46 39.3	2.257	3.107	12.0	21.0
6 10	18 54.50	-37 6.3	2.553	3.494	7.3	21.5	6 10	18 57.60	-47 42.4	2.178	3.085	10.1	20.8
6 20	18 45.85	-37 18.6	2.502	3.484	5.1	21.3	6 20	18 47.77	-48 31.3	2.123	3.062	8.7	20.7
6 30	18 36.26	-37 19.8	2.479	3.474	4.1	21.2	6 30	18 36.29	-49 0.1	2.092	3.039	8.4	20.6
7 10	18 26.64	-37 8.7	2.484	3.463	5.4	21.3	7 10	18 24.50	-49 5.2	2.086	3.017	9.4	20.6
7 20	18 17.87	-36 45.9	2.516	3.452	7.7	21.4	7 20	18 13.78	-48 46.8	2.104	2.994	11.2	20.7
7 30	18 10.73	-36 13.5	2.573	3.440	10.2	21.6	7 30	18 5.36	-48 8.3	2.144	2.971	13.4	20.8
<b>11609</b>	1995 <i>XT</i>	6 29.9 172°94	0°3/30.0	18			<b>250041</b>	2002 <i>CT</i> <sub>182</sub>	6 29.9 294°14	2°3/30.6	18		
5 21	19 2.23	-21 32.0	2.675	3.472	11.8	18.7	5 21	19 0.70	-14 38.6	2.220	3.020	13.8	20.2
5 31	18 57.95	-21 40.1	2.585	3.474	9.3	18.5	5 31	18 57.17	-14 50.5	2.127	3.014	11.1	20.0
6 10	18 51.88	-21 50.8	2.517	3.476	6.5	18.3	6 10	18 51.60	-15 10.7	2.054	3.008	8.0	19.8
6 20	18 44.45	-22 2.9	2.475	3.477	3.3	18.1	6 20	18 44.43	-15 38.9	2.006	3.003	4.7	19.6
6 30	18 36.28	-22 15.1	2.461	3.478	0.3	17.8	6 30	18 36.31	-16 13.8	1.985	2.997	2.3	19.4
7 10	18 28.10	-22 26.3	2.477	3.479	3.3	18.1	7 10	18 28.10	-16 53.5	1.992	2.991	4.3	19.6
7 20	18 20.63	-22 36.1	2.520	3.479	6.5	18.3	7 20	18 20.62	-17 36.0	2.025	2.986	7.7	19.8
7 30	18 14.50	-22 44.4	2.589	3.479	9.3	18.5	7 30	18 14.66	-18 19.3	2.083	2.980	10.9	19.9
<b>255138</b>	2005 <i>UY</i> <sub>141</sub>	6 29.9 294°85	0°6/29.8	18			<b>170600</b>	2003 <i>YF</i> <sub>25</sub>	6 29.9 213°42	0°4/29.9	17		
5 21	19 1.68	-22 4.9	2.191	3.002	13.6	20.3	5 21	19 8.21	-24 15.9	1.875	2.684	15.6	21.1
5 31	18 58.18	-22 40.8	2.092	2.989	10.8	20.1	5 31	19 3.66	-24 16.6	1.783	2.679	12.5	20.8
6 10	18 52.45	-23 22.1	2.014	2.977	7.6	19.8	6 10	18 56.41	-24 18.5	1.711	2.672	8.7	20.6
6 20	18 44.92	-24 6.4	1.961	2.964	3.9	19.6	6 20	18 46.99	-24 19.7	1.663	2.665	4.5	20.3
6 30	18 36.27	-24 50.7	1.935	2.952	0.6	19.3	6 30	18 36.31	-24 18.0	1.641	2.658	0.4	20.0
7 10	18 27.43	-25 32.1	1.937	2.939	4.1	19.5	7 10	18 25.56	-24 12.3	1.647	2.650	4.6	20.3
7 20	18 19.34	-26 8.9	1.966	2.927	7.9	19.8	7 20	18 15.90	-24 3.0	1.680	2.641	8.9	20.5
7 30	18 12.87	-26 40.0	2.019	2.915	11.3	19.9	7 30	18 8.35	-23 51.1	1.736	2.632	12.8	20.8
<b>481288</b>	2005 <i>YN</i> <sub>86</sub>	6 29.9 342°87	0°5/30.1	18			<b>56414</b>	2000 <i>FK</i> <sub>42</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>420459</b>	2012 <i>DS</i> <sub>73</sub>		6 29.9 88°46'	1.8°/30.2	17		<b>106108</b>	2000 <i>TF</i> <sub>19</sub>		6 29.9 260°84'	3.3°/29.1	18	
5 21	19 7.19	-18 31.1	1.549	2.367	17.9	21.6	5 21	19 4.34	-30 45.6	2.320	3.125	13.1	20.0
5 31	19 2.97	-18 28.9	1.484	2.384	14.3	21.4	5 31	19 0.32	-31 30.1	2.224	3.115	10.6	19.8
6 10	18 55.90	-18 33.5	1.438	2.400	10.0	21.1	6 10	18 53.97	-32 14.2	2.150	3.105	7.6	19.6
6 20	18 46.67	-18 43.8	1.415	2.416	5.4	20.9	6 20	18 45.74	-32 54.1	2.101	3.095	4.8	19.4
6 30	18 36.34	-18 58.2	1.417	2.432	1.8	20.7	6 30	18 36.38	-33 26.0	2.080	3.085	3.4	19.3
7 10	18 26.21	-19 14.7	1.444	2.447	5.1	21.0	7 10	18 26.86	-33 47.4	2.085	3.075	5.3	19.4
7 20	18 17.47	-19 32.2	1.498	2.462	9.5	21.3	7 20	18 18.17	-33 57.5	2.118	3.065	8.3	19.5
7 30	18 11.06	-19 50.0	1.574	2.478	13.4	21.5	7 30	18 11.22	-33 57.5	2.175	3.054	11.3	19.7
<b>246632</b>	2008 <i>WU</i> <sub>125</sub>		6 29.9 146°51'	0.4°/29.9	17		<b>182757</b>	2001 <i>XR</i> <sub>152</sub>		6 29.9 196°69'	1°1'/30.2	18	
5 21	19 5.14	-23 48.2	2.413	3.212	12.8	22.2	5 21	19 2.34	-19 5.1	2.840	3.630	11.3	21.7
5 31	19 0.43	-23 55.6	2.330	3.221	10.2	22.0	5 31	18 57.93	-19 3.9	2.743	3.627	9.0	21.5
6 10	18 53.69	-24 4.3	2.269	3.229	7.0	21.8	6 10	18 51.85	-19 6.0	2.669	3.624	6.4	21.3
6 20	18 45.42	-24 12.7	2.234	3.236	3.6	21.6	6 20	18 44.48	-19 10.7	2.621	3.620	3.4	21.1
6 30	18 36.35	-24 19.3	2.227	3.243	0.4	21.4	6 30	18 36.39	-19 17.3	2.601	3.616	1.1	20.9
7 10	18 27.34	-24 22.9	2.248	3.250	3.7	21.7	7 10	18 28.26	-19 25.1	2.610	3.611	3.3	21.1
7 20	18 19.19	-24 23.5	2.297	3.256	7.0	21.9	7 20	18 20.77	-19 33.5	2.648	3.606	6.3	21.3
7 30	18 12.63	-24 21.5	2.371	3.262	10.1	22.1	7 30	18 14.52	-19 42.3	2.712	3.600	9.0	21.5
<b>36547</b>	2000 <i>QV</i> <sub>98</sub>		6 29.9 201°66'	5.3°/29.1	18		<b>123013</b>	2000 <i>SV</i> <sub>264</sub>		6 29.9 176°73'	1.4°/30.2	18	
5 21	19 10.40	-33 2.6	1.601	2.419	17.5	19.3	5 21	19 5.22	-18 31.9	2.252	3.048	13.7	20.5
5 31	19 6.28	-33 56.1	1.521	2.417	14.2	19.0	5 31	19 0.65	-18 33.6	2.163	3.050	11.0	20.3
6 10	18 58.75	-34 47.6	1.460	2.415	10.5	18.8	6 10	18 53.97	-18 40.0	2.095	3.052	7.7	20.1
6 20	18 48.38	-35 30.5	1.422	2.413	7.0	18.6	6 20	18 45.63	-18 50.4	2.053	3.053	4.2	19.9
6 30	18 36.34	-35 58.4	1.408	2.410	5.4	18.5	6 30	18 36.38	-19 3.6	2.038	3.053	1.4	19.7
7 10	18 24.21	-36 7.7	1.420	2.407	7.5	18.6	7 10	18 27.11	-19 18.4	2.052	3.053	4.0	19.9
7 20	18 13.57	-35 58.6	1.456	2.404	11.3	18.8	7 20	18 18.70	-19 33.8	2.093	3.052	7.6	20.1
7 30	18 5.70	-35 35.0	1.515	2.400	14.9	19.0	7 30	18 11.90	-19 49.5	2.159	3.051	10.8	20.3
<b>202106</b>	2004 <i>TH</i> <sub>42</sub>		6 29.9 283°88'	1°8'/29.7	18		<b>184220</b>	2004 <i>RQ</i> <sub>58</sub>		6 29.9 343°74'	0°1'/29.9	18	
5 21	19 5.24	-26 49.8	1.817	2.635	15.6	21.0	5 21	18 57.56	-21 52.9	1.621	2.458	16.4	19.6
5 31	19 1.70	-27 3.9	1.713	2.614	12.6	20.7	5 31	18 55.68	-22 9.6	1.532	2.445	13.1	19.3
6 10	18 55.33	-27 18.6	1.629	2.593	8.9	20.4	6 10	18 51.15	-22 31.6	1.463	2.432	9.2	19.1
6 20	18 46.59	-27 31.1	1.569	2.571	4.8	20.1	6 20	18 44.43	-22 57.3	1.416	2.421	4.7	18.8
6 30	18 36.35	-27 38.2	1.535	2.549	1.8	19.9	6 30	18 36.39	-23 24.0	1.393	2.410	0.1	18.4
7 10	18 25.83	-27 37.9	1.526	2.527	5.2	20.1	7 10	18 28.20	-23 49.2	1.396	2.401	4.8	18.7
7 20	18 16.30	-27 29.9	1.544	2.506	9.6	20.3	7 20	18 21.04	-24 11.3	1.423	2.393	9.4	19.0
7 30	18 8.90	-27 15.9	1.584	2.484	13.6	20.5	7 30	18 15.95	-24 29.7	1.472	2.386	13.6	19.2
<b>438959</b>	2010 <i>LR</i> <sub>83</sub>		6 29.9 216°13'	4°6'/29.7	18		<b>248398</b>	2005 <i>SW</i> <sub>69</sub>		6 29.9 256°09'	3°6'/1.0	18	
5 21	19 9.74	-39 49.9	2.857	3.630	11.7	21.2	5 21	19 1.35	-9 52.8	2.641	3.415	12.5	20.9
5 31	19 4.05	-40 1.1	2.760	3.623	9.7	21.0	5 31	18 57.38	-9 58.4	2.531	3.398	10.3	20.7
6 10	18 56.19	-40 4.7	2.686	3.616	7.5	20.9	6 10	18 51.64	-10 13.6	2.442	3.380	7.8	20.5
6 20	18 46.70	-39 57.5	2.636	3.609	5.5	20.7	6 20	18 44.46	-10 38.8	2.378	3.362	5.2	20.3
6 30	18 36.36	-39 37.0	2.614	3.601	4.6	20.7	6 30	18 36.40	-11 13.5	2.342	3.343	3.6	20.2
7 10	18 26.11	-39 2.5	2.621	3.593	5.6	20.7	7 10	18 28.16	-11 56.6	2.334	3.325	4.7	20.3
7 20	18 16.83	-38 15.6	2.655	3.584	7.7	20.8	7 20	18 20.46	-12 45.9	2.355	3.306	7.4	20.4
7 30	18 9.28	-37 19.4	2.716	3.576	9.9	21.0	7 30	18 13.99	-13 39.5	2.401	3.286	10.2	20.5
<b>465637</b>	2009 <i>KK</i> <sub>17</sub>		6 29.9 23°37'	4°9'/30.5	17		<b>93135</b>	2000 <i>SX</i> <sub>70</sub>		6 29.9 214°79'	1°0'/30.2	18	
5 21	19 2.90	-14 6.7	1.334	2.164	19.6	21.3	5 21	19 4.43	-19 36.6	1.939	2.749	15.1	19.4
5 31	19 0.08	-13 27.6	1.264	2.167	16.0	21.1	5 31	19 0.49	-19 43.4	1.850	2.746	12.1	19.2
6 10	18 54.23	-12 58.0	1.212	2.171	11.8	20.8	6 10	18 54.12	-19 55.5	1.782	2.742	8.5	18.9
6 20	18 45.96	-12 40.1	1.180	2.175	7.5	20.6	6 20	18 45.82	-20 11.8	1.737	2.739	4.5	18.7
6 30	18 36.37	-12 35.0	1.171	2.179	4.9	20.5	6 30	18 36.39	-20 30.4	1.719	2.735	1.0	18.4
7 10	18 26.86	-12 42.2	1.187	2.184	7.1	20.6	7 10	18 26.90	-20 49.7	1.729	2.731	4.4	18.7
7 20	18 18.73	-13 0.4	1.225	2.189	11.3	20.8	7 20	18 18.36	-21 8.5	1.764	2.727	8.5	18.9
7 30	18 13.07	-13 27.0	1.284	2.194	15.4	21.1	7 30	18 11.68	-21 26.2	1.824	2.723	12.1	19.1
<b>65557</b>	1606 <i>T</i> <sub>-2</sub>		6 29.9 254°68'	2°1'/29.7	18		<b>270248</b>	2001 <i>UJ</i> <sub>25</sub>		6 29.9 215°38'	3°1'/29.6	18	R
5 21	19 4.00	-29 1.3	2.404	3.208	12.7	19.5	5 21	19 9.05	-31 11.3	2.060	2.863	14.6	20.7
5 31	18 59.80	-29 14.4	2.306	3.198	10.2	19.3	5 31	19 4.26	-31 29.7	1.967	2.857	11.8	20.5
6 10	18 53.45	-29 26.1	2.230	3.188	7.2	19.1	6 10	18 56.79	-31 45.2	1.895	2.850	8.5	20.2
6 20	18 45.40	-29 34.0	2.180	3.178	4.1	18.9	6 20	18 47.20	-31 54.3	1.847	2.843	5.1	20.0
6 30	18 36.38	-29 35.8	2.156	3.168	2.1	18.7	6 30	18 36.39	-31 53.6	1.826	2.835	3.1	19.9
7 10	18 27.29	-29 30.4	2.161	3.158	4.3	18.9	7 10	18 25.54	-31 41.8	1.833	2.827	5.3	20.0
7 20	18 19.04	-29 18.0	2.192	3.148	7.5	19.0	7 20	18 15.79	-31 19.5	1.866	2.819	8.9	20.2
7 30	18 12.42	-29 0.0	2.249	3.138	10.6	19.2	7 30	18 8.12	-30 49.4	1.924	2.810	12.2	20.4
<b>238050</b>	2003 <i>BA</i> <sub>41</sub>		6 29.9 15°65'	3°3'/30.5	17		<b>499433</b>	2010 <i>CF</i> <sub>180</sub>		6 29.9 138°16'	2°7'/29.4	17	
5 21	19 2.49	-15 50.9	1.152	1.998	21.1	20.0	5 21	19 8.46	-29 36.9	2.416	3.211	12.9	22.5
5 31	19 0.34	-15 45.1	1.085	1.999	17.1	19.8	5 31	19 3.18	-30 15.5	2.339	3.224	10.3	22.3
6 10	18 54.76	-15 51.6	1.034	2.002	12.3	19.5	6 10	18 55.68	-30 53.1	2.284	3.238	7.3	22.2
6 20	18 46.36	-16 10.2	1.004	2.005	7.1	19.2	6 20	18 46.49	-31 26.2	2.255	3.250	4.3	22.0
6 30	18 36.37	-16 39.6	0.995	2.008	3.3	19.0	6 30	18 36.40	-31 51.6	2.254	3.262	2.7	21.9
7 10	18 26.39	-17 16.6	1.009	2.012	6.5	19.2	7 10	18 26.36	-32 7.4	2.281	3.274	4.6	22.1
7 20	18 17.99	-17 58.0	1.045	2.017	11.7	19.5	7 20	18 17.29	-32 13.6	2.337	3.284	7.6	22.3
7 30	18 12.41	-18 40.7	1.101	2.022	16.5	19.8	7 30	18 9.97	-32 11.4	2.417	3.294	10.4	22.5
<b>334297</b>	2001 <i>UT</i> <sub>223</sub>		6 29.9 257°33'	1°9'/30.3	18		<b>79735</b>						

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>237541</b>	2000 <i>UB</i> <sub>16</sub>		6 29.9 181°47'	9°6'	1.3	18	<b>213087</b>	1999 <i>TS</i> <sub>230</sub>		6 29.9 317°16'	11°5'	26.9	18
5 21	19 3.65	+ 8 6.6	2.750	3.432	14.0	22.0	5 21	19 4.57	-40 12.2	1.249	2.087	20.3	19.7
5 31	18 58.91	+ 9 19.8	2.668	3.434	12.6	21.9	5 31	19 3.61	-42 0.2	1.162	2.062	17.4	19.4
6 10	18 52.50	+10 18.7	2.605	3.435	11.2	21.8	6 10	18 58.30	-43 46.0	1.094	2.038	14.4	19.2
6 20	18 44.81	+10 59.4	2.564	3.434	10.1	21.7	6 20	18 48.86	-45 18.1	1.044	2.014	12.1	18.9
6 30	18 36.41	+11 19.1	2.547	3.434	9.7	21.6	6 30	18 36.46	-46 23.1	1.016	1.991	11.6	18.8
7 10	18 27.99	+11 16.8	2.554	3.432	9.9	21.7	7 10	18 23.27	-46 51.7	1.008	1.969	13.5	18.9
7 20	18 20.19	+10 53.5	2.586	3.430	10.9	21.7	7 20	18 11.79	-46 42.3	1.020	1.948	16.9	19.0
7 30	18 13.63	+10 11.8	2.639	3.426	12.2	21.8	7 30	18 4.16	-46 0.6	1.048	1.927	20.6	19.1
<b>126834</b>	2002 <i>EO</i> <sub>63</sub>		6 29.9 345°86'	1°9'	30.3	18	<b>475270</b>	2005 <i>WX</i> <sub>124</sub>		6 29.9 200°85'	0°5'	29.9	18
5 21	19 0.47	-17 34.3	2.138	2.947	13.9	20.2	5 21	19 2.25	-24 5.7	2.865	3.660	11.1	22.8
5 31	18 57.04	-17 26.3	2.051	2.944	11.2	20.0	5 31	18 57.95	-24 18.2	2.769	3.657	8.8	22.6
6 10	18 51.54	-17 23.7	1.984	2.942	8.0	19.8	6 10	18 51.93	-24 32.0	2.695	3.654	6.1	22.4
6 20	18 44.43	-17 26.0	1.941	2.940	4.5	19.6	6 20	18 44.58	-24 45.5	2.648	3.650	3.2	22.2
6 30	18 36.41	-17 32.8	1.925	2.939	1.9	19.4	6 30	18 36.48	-24 57.4	2.629	3.646	0.5	22.0
7 10	18 28.38	-17 43.1	1.936	2.937	4.3	19.6	7 10	18 28.35	-25 6.5	2.640	3.641	3.2	22.2
7 20	18 21.17	-17 56.2	1.974	2.936	7.8	19.8	7 20	18 20.87	-25 12.5	2.678	3.636	6.2	22.4
7 30	18 15.55	-18 11.2	2.035	2.935	11.1	20.0	7 30	18 14.66	-25 15.5	2.743	3.631	8.9	22.6
<b>138808</b>	2000 <i>TD</i> <sub>43</sub>		6 29.9 193°18'	3°5'	29.1	18	<b>510022</b>	2010 <i>AN</i> <sub>77</sub>		6 29.9 232°75'	0°7'	29.8	18
5 21	19 5.31	-32 46.0	2.649	3.443	11.9	20.3	5 21	19 7.18	-22 28.3	2.356	3.150	13.2	22.8
5 31	19 0.73	-33 29.4	2.558	3.441	9.6	20.2	5 31	19 2.46	-23 4.9	2.247	3.135	10.6	22.6
6 10	18 54.05	-34 10.8	2.491	3.440	7.1	20.0	6 10	18 55.46	-23 46.5	2.161	3.119	7.4	22.4
6 20	18 45.71	-34 46.7	2.449	3.437	4.6	19.8	6 20	18 46.57	-24 30.4	2.101	3.102	3.8	22.1
6 30	18 36.42	-35 13.7	2.434	3.435	3.5	19.8	6 30	18 36.48	-25 13.5	2.069	3.085	0.7	21.8
7 10	18 27.06	-35 29.8	2.448	3.432	5.0	19.8	7 10	18 26.11	-25 53.1	2.066	3.067	4.1	22.1
7 20	18 18.49	-35 34.9	2.489	3.429	7.6	20.0	7 20	18 16.43	-26 27.2	2.091	3.048	7.8	22.3
7 30	18 11.49	-35 30.1	2.555	3.426	10.1	20.2	7 30	18 8.35	-26 55.4	2.142	3.028	11.2	22.5
<b>60186</b>	Las Cruces		6 29.9 172°77'	4°5'	28.7	18	<b>16943</b>	1998 <i>HP</i> <sub>42</sub>		6 29.9 244°91'	3°8'	28.9	18 R
5 21	19 6.23	-37 20.9	2.955	3.737	11.1	18.8	5 21	19 7.76	-29 43.2	2.089	2.894	14.3	17.4
5 31	19 1.32	-38 11.1	2.869	3.739	9.1	18.7	5 31	19 3.47	-30 46.7	1.990	2.881	11.6	17.2
6 10	18 54.38	-38 57.1	2.806	3.741	7.0	18.5	6 10	18 56.49	-31 52.4	1.912	2.867	8.4	17.0
6 20	18 45.86	-39 35.2	2.769	3.743	5.2	18.4	6 20	18 47.22	-32 55.3	1.859	2.853	5.3	16.8
6 30	18 36.44	-40 2.1	2.760	3.744	4.5	18.4	6 30	18 36.49	-33 50.2	1.833	2.838	3.8	16.6
7 10	18 26.97	-40 16.0	2.778	3.745	5.6	18.4	7 10	18 25.42	-34 32.6	1.835	2.823	6.0	16.7
7 20	18 18.28	-40 16.9	2.824	3.746	7.5	18.6	7 20	18 15.22	-35 0.9	1.863	2.808	9.4	16.9
7 30	18 11.11	-40 6.5	2.895	3.746	9.6	18.7	7 30	18 6.99	-35 15.9	1.916	2.792	12.7	17.1
<b>167743</b>	2004 <i>XL</i> <sub>32</sub>		6 29.9 174°44'	0°5'	30.0	17	<b>400874</b>	2010 <i>OD</i> <sub>89</sub>		6 29.9 296°94'	6°2'	28.8	18
5 21	19 7.03	-21 33.1	1.523	2.347	17.9	20.8	5 21	19 6.06	-39 0.4	2.213	3.009	13.9	20.9
5 31	19 3.23	-21 34.4	1.444	2.348	14.3	20.6	5 31	19 2.18	-39 48.4	2.115	2.992	11.6	20.7
6 10	18 56.40	-21 40.2	1.383	2.348	10.1	20.3	6 10	18 55.57	-40 30.9	2.037	2.974	9.1	20.5
6 20	18 47.11	-21 48.7	1.345	2.349	5.2	20.0	6 20	18 46.72	-41 2.6	1.984	2.956	7.0	20.4
6 30	18 36.44	-21 57.8	1.332	2.349	0.5	19.7	6 30	18 36.50	-41 18.8	1.955	2.939	6.2	20.3
7 10	18 25.76	-22 5.7	1.345	2.349	5.2	20.0	7 10	18 26.10	-41 16.8	1.953	2.921	7.5	20.3
7 20	18 16.41	-22 11.8	1.383	2.349	10.0	20.3	7 20	18 16.72	-40 56.8	1.976	2.904	9.9	20.4
7 30	18 9.51	-22 16.5	1.443	2.349	14.3	20.6	7 30	18 9.43	-40 21.8	2.022	2.886	12.7	20.6
<b>74007</b>	1998 <i>FY</i> <sub>78</sub>		6 29.9 2°64'	4°7'	30.9	18	<b>391641</b>	2007 <i>VX</i> <sub>266</sub>		6 29.9 221°90'	17°3'	29.5	17
5 21	18 58.54	-13 3.8	1.142	1.990	21.1	18.8	5 21	19 7.89	+10 42.2	1.546	2.259	22.1	21.2
5 31	18 57.21	-12 53.4	1.074	1.988	17.3	18.6	5 31	19 3.88	+13 2.8	1.470	2.251	20.5	21.0
6 10	18 52.59	-12 58.0	1.023	1.988	12.7	18.3	6 10	18 56.92	+15 2.7	1.410	2.241	18.9	20.9
6 20	18 45.29	-13 19.1	0.991	1.988	7.9	18.0	6 20	18 47.49	+16 31.8	1.368	2.230	17.7	20.7
6 30	18 36.44	-13 56.0	0.980	1.990	4.7	17.9	6 30	18 36.51	+17 21.2	1.345	2.218	17.3	20.7
7 10	18 27.56	-14 45.3	0.991	1.993	7.1	18.0	7 10	18 25.27	+17 26.3	1.340	2.206	17.9	20.7
7 20	18 20.13	-15 42.7	1.024	1.997	11.8	18.3	7 20	18 15.07	+16 48.0	1.354	2.192	19.2	20.7
7 30	18 15.38	-16 43.6	1.077	2.002	16.4	18.6	7 30	18 7.11	+15 32.2	1.385	2.178	21.0	20.8
<b>317850</b>	2003 <i>TE</i> <sub>14</sub>		6 29.9 317°23'	4°0'	30.1	17	<b>465613</b>	2009 <i>DS</i> <sub>125</sub>		6 29.9 41°54'	2°0'	30.2	17
5 21	19 2.57	-17 37.6	1.315	2.153	19.4	20.2	5 21	19 4.37	-19 7.1	1.171	2.017	20.9	21.6
5 31	19 0.17	-16 49.5	1.231	2.141	15.8	20.0	5 31	19 1.60	-18 56.4	1.115	2.031	16.6	21.4
6 10	18 54.58	-16 5.6	1.164	2.129	11.5	19.7	6 10	18 55.42	-18 53.4	1.077	2.046	11.7	21.1
6 20	18 46.31	-15 27.7	1.118	2.118	6.9	19.4	6 20	18 46.63	-18 57.2	1.058	2.062	6.3	20.9
6 30	18 36.45	-14 57.6	1.095	2.107	4.0	19.2	6 30	18 36.51	-19 6.2	1.063	2.078	2.0	20.7
7 10	18 26.44	-14 36.6	1.096	2.096	6.9	19.3	7 10	18 26.70	-19 18.7	1.090	2.095	5.9	21.0
7 20	18 17.75	-14 25.4	1.119	2.086	11.7	19.6	7 20	18 18.62	-19 33.1	1.141	2.112	11.0	21.3
7 30	18 11.62	-14 23.8	1.163	2.077	16.4	19.8	7 30	18 13.34	-19 48.8	1.212	2.130	15.5	21.6
<b>251789</b>	1999 <i>RZ</i> <sub>222</sub>		6 29.9 291°02'	0°5'	30.0	18	<b>19670</b>	1999 <i>RH</i> <sub>151</sub>		6 29.9 357°55'	5°5'	29.3	18
5 21	19 5.62	-23 36.6	1.476	2.307	18.0	20.4	5 21	19 5.48	-36 54.9	2.033	2.839	14.6	17.7
5 31	19 2.45	-23 14.5	1.383	2.291	14.5	20.1	5 31	19 1.64	-37 33.8	1.952	2.838	12.0	17.5
6 10	18 56.11	-22 52.5	1.309	2.276	10.3	19.8	6 10	18 55.09	-38 7.0	1.892	2.837	9.2	17.4
6 20	18 47.09	-22 29.6	1.257	2.261	5.4	19.5	6 20	18 46.39	-38 29.6	1.855	2.836	6.6	17.2
6 30	18 36.45	-22 4.6	1.229	2.245	0.5	19.1	6 30	18 36.51	-38 37.5	1.843	2.836	5.5	17.1
7 10	18 25.63	-21 37.8	1.226	2.230	5.5	19.4	7 10	18 26.67	-38 28.9	1.858	2.836	6.9	17.2
7 20	18 16.08	-21 10.5	1.247	2.215	10.7	19.7	7 20	18 18.02	-38 4.7	1.897	2.837	9.6	17.4
7 30	18 9.04	-20 44.6	1.290	2.200	15.3	19.9	7 30	18 11.53	-37 28.2	1.960	2.837	12.5	17.6
<b>28971</b>	2001 <i>KM</i> <sub>28</sub>		6 29.9 283°81'	2°1'	29.5	18	<b>502819</b>	201					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>213083</b>	1999 <i>TV</i> <sub>159</sub>		6 29.9 319°30	3°8/30.1	18		<b>59524</b>	1999 <i>JU</i> <sub>22</sub>		6 30.0 62°36	7°0/30.4	18	
5 21	18 59.97	-17 49.2	1.238	2.085	19.8	20.3	5 31	18 59.90	-7 50.1	1.638	2.515	14.4	18.3
5 31	18 58.47	-17 7.9	1.148	2.064	16.2	19.9	6 10	18 53.74	-6 50.3	1.582	2.518	11.3	18.1
6 10	18 53.67	-16 31.3	1.075	2.043	11.9	19.6	6 20	18 45.67	-6 3.6	1.547	2.521	8.4	17.9
6 20	18 46.01	-16 0.9	1.022	2.023	7.0	19.3	6 30	18 36.58	-5 33.2	1.537	2.525	7.0	17.9
6 30	18 36.52	-15 38.4	0.991	2.003	3.8	19.0	7 10	18 27.53	-5 20.2	1.552	2.528	8.2	17.9
7 10	18 26.70	-15 24.8	0.983	1.985	7.0	19.2	7 20	18 19.57	-5 24.0	1.591	2.531	11.0	18.1
7 20	18 18.12	-15 20.4	0.996	1.967	12.3	19.4	7 30	18 13.54	-5 42.5	1.652	2.535	14.1	18.3
7 30	18 12.19	-15 24.9	1.029	1.951	17.3	19.6	8 9	18 9.99	-6 12.1	1.733	2.539	16.9	18.5
<b>440649</b>	2005 <i>WO</i> <sub>164</sub>		6 29.9 320°13	0°3/29.9	15		<b>327822</b>	2006 <i>WU</i> <sub>18</sub>		6 30.0 272°96	4°3/29.2	18	
5 21	19 0.02	-22 49.2	1.812	2.638	15.4	21.6	5 31	19 3.83	-31 17.1	1.563	2.464	13.6	20.7
5 31	18 57.50	-23 3.1	1.708	2.614	12.4	21.4	6 10	18 57.13	-32 6.4	1.491	2.451	9.9	20.5
6 10	18 52.41	-23 21.1	1.625	2.591	8.7	21.1	6 20	18 47.71	-32 51.0	1.442	2.438	6.2	20.2
6 20	18 45.15	-23 41.4	1.564	2.568	4.5	20.8	6 30	18 36.58	-33 24.9	1.418	2.425	4.3	20.1
6 30	18 36.52	-24 1.7	1.529	2.546	0.3	20.4	7 10	18 25.16	-33 44.2	1.420	2.412	6.8	20.2
7 10	18 27.61	-24 19.8	1.520	2.524	4.7	20.7	7 20	18 14.96	-33 47.8	1.446	2.399	10.8	20.4
7 20	18 19.57	-24 34.3	1.536	2.503	9.1	20.9	7 30	18 7.27	-33 38.2	1.494	2.386	14.7	20.6
7 30	18 13.45	-24 45.2	1.575	2.482	13.2	21.1	8 9	18 2.89	-33 19.4	1.561	2.373	18.1	20.8
<b>392714</b>	2012 <i>DE</i> <sub>79</sub>		6 29.9 88°22	0°4/30.0	17		<b>111896</b>	2002 <i>FL</i> <sub>4</sub>		6 30.0 51°03	3°1/29.7	17	
5 21	19 8.39	-22 46.8	1.553	2.374	17.7	21.0	5 31	19 4.28	-28 14.3	1.143	2.059	16.3	18.8
5 31	19 4.02	-22 37.4	1.486	2.388	14.1	20.8	6 10	18 57.42	-28 46.9	1.107	2.076	11.5	18.6
6 10	18 56.71	-22 30.3	1.439	2.403	9.8	20.5	6 20	18 47.71	-29 14.5	1.092	2.095	6.3	18.4
6 20	18 47.18	-22 24.1	1.414	2.418	5.0	20.3	6 30	18 36.58	-29 32.3	1.100	2.113	3.1	18.2
6 30	18 36.53	-22 17.0	1.415	2.432	0.4	20.0	7 10	18 25.81	-29 37.5	1.131	2.132	6.5	18.5
7 10	18 26.13	-22 8.6	1.442	2.446	4.9	20.4	7 20	18 16.98	-29 31.2	1.185	2.152	11.3	18.8
7 20	18 17.19	-21 59.2	1.494	2.460	9.5	20.7	7 30	18 11.22	-29 16.3	1.260	2.171	15.6	19.1
7 30	18 10.67	-21 49.8	1.570	2.474	13.5	20.9	8 9	18 9.02	-28 56.7	1.353	2.191	19.1	19.4
<b>406807</b>	2008 <i>UM</i> <sub>133</sub>		6 29.9 184°24	0°2/30.0	17		<b>22978</b>	Nyrölä		6 30.0 263°15	4°9/30.2	18	
5 21	19 9.05	-22 18.5	1.554	2.373	17.8	22.1	5 31	18 59.69	-11 11.2	1.996	2.872	12.2	17.8
5 31	19 4.85	-22 21.5	1.472	2.374	14.3	21.8	6 10	18 53.54	-10 30.1	1.913	2.856	9.3	17.6
6 10	18 57.55	-22 28.2	1.410	2.374	10.0	21.6	6 20	18 45.60	-9 57.1	1.855	2.838	6.4	17.4
6 20	18 47.77	-22 36.7	1.370	2.373	5.2	21.3	6 30	18 36.58	-9 33.8	1.823	2.821	4.9	17.3
6 30	18 36.55	-22 44.5	1.356	2.373	0.2	20.9	7 10	18 27.41	-9 21.3	1.817	2.803	6.3	17.3
7 10	18 25.30	-22 49.8	1.368	2.371	5.2	21.3	7 20	18 19.01	-9 19.5	1.838	2.785	9.3	17.5
7 20	18 15.40	-22 52.3	1.404	2.369	10.0	21.6	7 30	18 12.21	-9 27.7	1.883	2.767	12.6	17.6
7 30	18 7.97	-22 52.8	1.464	2.367	14.3	21.8	8 9	18 7.63	-9 44.1	1.948	2.748	15.5	17.8
<b>5837</b>	Hedin		6 29.9 11°83	0°1/30.0	18 R		<b>242478</b>	2004 <i>TZ</i> <sub>57</sub>		6 30.0 324°86	0°1/30.0	17	
5 21	19 0.58	-21 49.8	1.857	2.680	15.2	17.4	5 31	19 0.36	-22 59.4	1.093	2.015	16.4	20.3
5 31	18 57.55	-21 59.7	1.778	2.682	12.1	17.2	6 10	18 55.15	-23 4.0	1.028	2.001	11.6	20.0
6 10	18 52.13	-22 13.6	1.720	2.685	8.4	17.0	6 20	18 46.84	-23 10.8	0.984	1.989	6.0	19.6
6 20	18 44.85	-22 29.8	1.685	2.689	4.3	16.8	6 30	18 36.58	-23 17.2	0.961	1.977	0.1	19.1
6 30	18 36.55	-22 46.3	1.676	2.693	0.2	16.4	7 10	18 26.09	-23 21.1	0.960	1.966	6.1	19.6
7 10	18 28.27	-23 1.6	1.694	2.698	4.3	16.8	7 20	18 17.09	-23 21.6	0.982	1.956	12.0	19.8
7 20	18 21.01	-23 14.6	1.737	2.703	8.3	17.0	7 30	18 11.05	-23 19.9	1.023	1.946	17.2	20.1
7 30	18 15.62	-23 25.3	1.803	2.709	11.9	17.3	8 9	18 8.78	-23 17.1	1.080	1.938	21.5	20.4
<b>478290</b>	2011 <i>WE</i> <sub>14</sub>		6 29.9 264°85	4°7/28.5	18		<b>189568</b>	2000 <i>SN</i> <sub>311</sub>		6 30.0 329°13	0°5/30.0	18	
5 21	19 5.88	-33 7.0	2.261	3.063	13.5	21.8	5 31	19 2.99	-26 43.5	1.451	2.357	14.1	19.2
5 31	19 1.82	-34 17.1	2.167	3.054	11.0	21.6	6 10	18 56.29	-26 1.6	1.383	2.349	9.9	18.9
6 10	18 55.24	-35 26.9	2.096	3.044	8.2	21.4	6 20	18 47.12	-25 13.7	1.338	2.342	5.2	18.6
6 20	18 46.56	-36 31.3	2.049	3.035	5.7	21.2	6 30	18 36.59	-24 19.4	1.318	2.335	0.5	18.2
6 30	18 36.55	-37 25.1	2.030	3.025	4.7	21.1	7 10	18 26.11	-23 20.4	1.324	2.328	5.2	18.6
7 10	18 26.30	-38 4.6	2.037	3.016	6.4	21.2	7 20	18 17.04	-22 20.1	1.354	2.322	10.1	18.8
7 20	18 16.89	-38 28.4	2.072	3.006	9.2	21.4	7 30	18 10.47	-21 22.3	1.408	2.316	14.4	19.1
7 30	18 9.34	-38 37.7	2.130	2.996	12.0	21.5	8 9	18 7.00	-20 30.0	1.480	2.311	18.1	19.3
<b>78061</b>	2002 <i>KV</i> <sub>5</sub>		6 30.0 323°39	1°5/29.9	18		<b>365076</b>	2009 <i>BK</i> <sub>13</sub>		6 30.0 170°78	0°9/29.9	17	
5 31	18 58.88	-21 48.9	1.404	2.316	14.1	18.1	5 31	19 5.71	-25 35.8	1.548	2.448	13.8	20.8
6 10	18 53.69	-21 10.1	1.320	2.288	10.1	17.7	6 10	18 58.05	-25 33.7	1.487	2.450	9.7	20.5
6 20	18 45.94	-20 30.4	1.257	2.260	5.4	17.4	6 20	18 47.98	-25 29.1	1.450	2.452	5.0	20.3
6 30	18 36.55	-19 50.0	1.218	2.234	1.5	17.1	6 30	18 36.59	-25 19.7	1.438	2.454	0.9	20.0
7 10	18 26.86	-19 10.1	1.204	2.208	5.6	17.3	7 10	18 25.28	-25 4.8	1.453	2.455	5.1	20.3
7 20	18 18.23	-18 32.9	1.214	2.183	10.7	17.5	7 20	18 15.36	-24 45.2	1.493	2.456	9.7	20.6
7 30	18 11.92	-18 0.4	1.245	2.159	15.5	17.7	7 30	18 7.91	-24 23.1	1.556	2.457	13.8	20.8
8 9	18 8.73	-17 34.0	1.294	2.136	19.5	17.9	8 9	18 3.51	-24 1.0	1.640	2.456	17.2	21.0
<b>333742</b>	2009 <i>XT</i> <sub>16</sub>		6 30.0 306°96	0°7/30.3	18		<b>37911</b>	1998 <i>FA</i> <sub>85</sub>		6 30.0 17°34	10°6/28.4	17	
5 31	19 0.29	-17 38.6	1.517	2.419	13.9	20.0	5 31	19 4.10	-43 29.6	1.283	2.173	16.7	17.6
6 10	18 54.59	-18 44.1	1.439	2.402	9.9	19.7	6 10	18 57.86	-44 54.9	1.242	2.179	13.7	17.4
6 20	18 46.41	-20 1.6	1.383	2.386	5.3	19.4	6 20	18 48.20	-46 0.1	1.222	2.185	11.3	17.3
6 30	18 36.57	-21 26.8	1.353	2.370	0.7	19.1	6 30	18 36.58	-46 36.1	1.223	2.193	10.6	17.3
7 10	18 26.30	-22 53.9	1.349	2.354	5.1	19.3	7 10	18 25.08	-46 38.9	1.245	2.202	11.9	17.4
7 20	18 16.92	-24 17.3	1.371	2.338	10.0	19.6	7 20	18 15.61	-46 10.8	1.288	2.211	14.5	17.6
7 30	18 9.69	-25 33.5	1.417	2.323	14.5	19.8	7 30	18 9.63	-45 19.0	1.351	2.222	17.3	17.8
8 9	18 5.47	-26 40.7	1.481	2.308	18.2	20.0	8 9	18 7.74	-44 12.2	1.430	2.233	19.9	18.0
<b>183882</b>	2004 <i>CV</i> <sub>59</sub>		6 30.0 193°75	3°9/29.3	17		<b>44138</b>	1998 <i>HG</i> <sub>92</sub>		6 30.0 46°43</			