

EPHEMERIDES

7 25.9

7 26.0

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>161542</b>	2004 <i>WF</i> <sub>3</sub>	7 25.9 344°84		0°8/26.4 18			<b>480768</b>	2016 <i>PX</i> <sub>2</sub>	7 25.9 163°44		5°2/23.5 18		
6 20	20 40.26	-15 36.6	1.188	2.075	18.2	19.2	6 20	20 54.14	-32 59.8	1.999	2.851	13.3	21.6
6 30	20 38.37	-15 54.8	1.115	2.061	14.1	18.9	6 30	20 47.82	-33 34.4	1.931	2.854	10.4	21.4
7 10	20 33.62	-16 28.0	1.060	2.049	9.2	18.6	7 10	20 39.06	-34 4.2	1.886	2.857	7.5	21.2
7 20	20 26.66	-17 13.1	1.026	2.038	3.8	18.3	7 20	20 28.60	-34 23.6	1.867	2.860	5.4	21.1
7 30	20 18.62	-18 4.5	1.015	2.029	2.3	18.1	7 30	20 17.51	-34 27.9	1.874	2.862	5.8	21.1
8 9	20 10.99	-18 55.3	1.027	2.021	7.9	18.4	8 9	20 7.02	-34 15.1	1.908	2.864	8.3	21.3
8 19	20 5.15	-19 39.8	1.060	2.015	13.1	18.7	8 19	19 58.20	-33 46.2	1.967	2.865	11.3	21.5
8 29	20 2.18	-20 13.9	1.112	2.010	17.8	19.0	8 29	19 51.84	-33 4.2	2.049	2.867	14.0	21.6
<b>367078</b>	2006 <i>PH</i> <sub>29</sub>	7 25.9 352°14		2°3/26.9 17			<b>495979</b>	2007 <i>TM</i> <sub>145</sub>	7 25.9 322°37		1°7/25.4 18		
6 20	20 39.71	-14 36.4	0.949	1.848	20.6	20.1	6 20	20 44.76	-21 21.1	1.072	1.968	19.0	20.7
6 30	20 38.41	-14 25.4	0.887	1.839	16.1	19.8	6 30	20 42.42	-21 36.5	0.993	1.945	14.7	20.4
7 10	20 33.85	-14 30.5	0.841	1.831	10.8	19.5	7 10	20 36.62	-22 0.7	0.931	1.923	9.5	20.0
7 20	20 26.78	-14 50.2	0.814	1.825	5.0	19.2	7 20	20 27.97	-22 28.7	0.890	1.902	3.8	19.6
7 30	20 18.57	-15 20.3	0.807	1.820	3.1	19.0	7 30	20 17.80	-22 53.8	0.870	1.882	3.4	19.5
8 9	20 10.95	-15 54.5	0.821	1.818	8.7	19.4	8 9	20 7.95	-23 9.9	0.871	1.863	9.5	19.8
8 19	20 5.47	-16 27.1	0.854	1.817	14.4	19.7	8 19	20 0.20	-23 13.6	0.893	1.845	15.4	20.0
8 29	20 3.30	-16 53.4	0.905	1.819	19.3	20.0	8 29	19 55.97	-23 4.1	0.932	1.829	20.5	20.3
<b>424403</b>	2008 <i>AL</i> <sub>23</sub>	7 25.9 241°74		1°6/25.2 17			<b>150618</b>	2000 <i>YO</i> <sub>64</sub>	7 25.9 305°12		2°4/26.9 18		
6 20	20 50.51	-20 56.3	1.745	2.603	14.7	22.4	6 20	20 49.57	-14 43.2	2.169	3.003	13.1	19.2
6 30	20 45.46	-21 33.6	1.657	2.589	11.2	22.2	6 30	20 44.00	-13 59.0	2.081	2.996	10.2	19.0
7 10	20 37.83	-22 18.3	1.591	2.576	7.2	21.9	7 10	20 36.50	-13 19.6	2.016	2.988	6.9	18.8
7 20	20 28.21	-23 5.4	1.550	2.561	2.9	21.6	7 20	20 27.61	-12 45.2	1.977	2.981	3.6	18.6
7 30	20 17.59	-23 49.4	1.536	2.546	2.8	21.6	7 30	20 18.14	-12 15.4	1.966	2.975	2.7	18.5
8 9	20 7.22	-24 25.4	1.548	2.531	7.2	21.8	8 9	20 9.01	-11 49.8	1.983	2.968	5.7	18.7
8 19	19 58.31	-24 50.4	1.585	2.515	11.5	22.0	8 19	20 1.05	-11 27.6	2.027	2.961	9.1	18.9
8 29	19 51.83	-25 3.5	1.645	2.498	15.3	22.2	8 29	19 54.97	-11 8.2	2.095	2.955	12.2	19.1
<b>187712</b>	2008 <i>ET</i> <sub>54</sub>	7 25.9 114°25		1°3/25.3 17			<b>18731</b>	Vil'bakirov	7 25.9 139°45		4°2/28.8 18		
6 20	20 50.89	-20 18.6	1.728	2.584	14.9	21.4	6 20	20 44.35	-5 44.4	2.319	3.127	13.1	17.9
6 30	20 45.38	-20 57.5	1.667	2.599	11.2	21.2	6 30	20 39.91	-5 30.7	2.239	3.130	10.6	17.7
7 10	20 37.51	-21 42.6	1.629	2.613	7.1	21.0	7 10	20 33.83	-5 29.6	2.181	3.132	7.8	17.5
7 20	20 27.98	-22 29.3	1.616	2.627	2.8	20.7	7 20	20 26.58	-5 41.1	2.147	3.135	5.3	17.4
7 30	20 17.85	-23 12.0	1.630	2.641	2.5	20.7	7 30	20 18.85	-6 4.0	2.140	3.137	4.3	17.3
8 9	20 8.30	-23 46.6	1.670	2.654	6.7	21.0	8 9	20 11.39	-6 35.9	2.161	3.139	5.8	17.4
8 19	20 0.36	-24 10.8	1.736	2.667	10.6	21.3	8 19	20 4.91	-7 13.5	2.208	3.142	8.5	17.6
8 29	19 54.80	-24 24.1	1.825	2.679	14.0	21.5	8 29	20 0.02	-7 53.6	2.279	3.144	11.2	17.8
<b>8713</b>	Azusa	7 25.9 240°29		2°1/24.9 18			<b>45511</b>	2000 <i>BC</i> <sub>23</sub>	7 26.0 76°83		0°5/26.4 18		
6 20	20 50.58	-21 41.8	1.588	2.452	15.6	17.7	6 20	20 44.36	-16 26.3	2.396	3.238	11.7	18.9
6 30	20 45.72	-22 25.3	1.506	2.442	11.9	17.4	6 30	20 39.88	-16 40.6	2.324	3.246	8.9	18.7
7 10	20 38.10	-23 16.3	1.446	2.431	7.6	17.2	7 10	20 33.78	-17 1.5	2.275	3.255	5.7	18.5
7 20	20 28.34	-24 9.2	1.410	2.421	3.3	16.9	7 20	20 26.57	-17 26.6	2.252	3.263	2.3	18.3
7 30	20 17.53	-24 57.5	1.400	2.409	3.3	16.9	7 30	20 18.91	-17 53.4	2.258	3.271	1.4	18.2
8 9	20 7.05	-25 35.6	1.416	2.398	7.8	17.1	8 9	20 11.59	-18 19.1	2.291	3.279	4.8	18.5
8 19	19 58.20	-26 0.5	1.456	2.386	12.3	17.3	8 19	20 5.29	-18 41.6	2.351	3.287	8.0	18.7
8 29	19 52.03	-26 11.7	1.518	2.373	16.2	17.6	8 29	20 0.57	-18 59.6	2.436	3.295	10.8	18.9
<b>52607</b>	1997 <i>TX</i> <sub>16</sub>	7 25.9 125°65		6°8/22.1 18			<b>74266</b>	1998 <i>SH</i> <sub>102</sub>	7 26.0 343°11		9°4/21.4 18		
6 20	20 51.68	-33 34.6	1.689	2.554	14.8	18.4	6 20	20 53.24	-40 56.1	1.653	2.510	15.4	18.8
6 30	20 46.52	-34 50.6	1.628	2.557	11.7	18.2	6 30	20 48.03	-42 0.7	1.592	2.506	12.8	18.7
7 10	20 38.52	-36 2.9	1.590	2.559	8.7	18.0	7 10	20 39.64	-42 54.6	1.552	2.502	10.6	18.5
7 20	20 28.45	-37 3.1	1.575	2.562	6.9	17.9	7 20	20 28.94	-43 28.8	1.534	2.498	9.4	18.4
7 30	20 17.51	-37 43.8	1.586	2.564	7.7	18.0	7 30	20 17.34	-43 36.5	1.540	2.495	10.1	18.5
8 9	20 7.17	-38 1.1	1.621	2.567	10.3	18.2	8 9	20 6.50	-43 15.2	1.569	2.493	12.1	18.6
8 19	19 58.70	-37 55.5	1.680	2.569	13.3	18.3	8 19	19 57.86	-42 27.5	1.620	2.490	14.8	18.8
8 29	19 53.04	-37 30.1	1.758	2.571	16.2	18.6	8 29	19 52.38	-41 18.9	1.690	2.488	17.3	18.9
<b>245556</b>	2005 <i>UE</i> <sub>57</sub>	7 25.9 280°70		0°5/25.7 18			<b>423410</b>	2005 <i>MH</i> <sub>25</sub>	7 26.0 15°54		0°3/26.1 17		
6 20	20 44.96	-19 5.3	2.210	3.062	12.2	20.8	6 20	20 48.81	-19 31.1	1.210	2.090	18.4	20.1
6 30	20 40.66	-19 31.1	2.120	3.049	9.3	20.6	6 30	20 44.65	-19 13.0	1.151	2.093	14.1	19.8
7 10	20 34.46	-20 3.3	2.054	3.037	5.9	20.3	7 10	20 37.46	-19 1.4	1.110	2.097	9.0	19.5
7 20	20 26.86	-20 38.8	2.013	3.024	2.3	20.1	7 20	20 28.10	-18 53.7	1.090	2.102	3.5	19.2
7 30	20 18.60	-21 14.0	2.000	3.012	1.8	20.0	7 30	20 17.93	-18 46.6	1.095	2.108	2.3	19.2
8 9	20 10.55	-21 45.6	2.014	2.999	5.5	20.3	8 9	20 8.54	-18 37.6	1.123	2.115	7.8	19.5
8 19	20 3.56	-22 10.9	2.054	2.987	9.1	20.4	8 19	20 1.24	-18 25.2	1.173	2.122	12.8	19.8
8 29	19 58.35	-22 28.7	2.119	2.974	12.3	20.6	8 29	19 56.98	-18 9.0	1.243	2.130	17.1	20.1
<b>308681</b>	2006 <i>DH</i> <sub>63</sub>	7 25.9 175°81		1°7/25.1 17			<b>163949</b>	2003 <i>UN</i> <sub>21</sub>	7 26.0 213°92		4°2/24.0 18		
6 20	20 50.96	-20 11.4	1.511	2.375	16.2	20.9	6 20	20 52.93	-30 55.9	2.104	2.955	12.8	20.2
6 30	20 45.97	-21 0.6	1.441	2.376	12.3	20.6	6 30	20 46.82	-31 18.8	2.026	2.951	9.9	20.0
7 10	20 38.20	-21 58.7	1.392	2.378	7.9	20.4	7 10	20 38.43	-31 38.5	1.972	2.947	6.9	19.8
7 20	20 28.37	-22 59.9	1.367	2.378	3.2	20.1	7 20	20 28.40	-31 50.0	1.944	2.943	4.5	19.7
7 30	20 17.61	-23 57.1	1.368	2.379	3.1	20.1	7 30	20 17.73	-31 49.3	1.943	2.938	4.8	19.7
8 9	20 7.34	-24 44.4	1.395	2.379	7.7	20.4	8 9	20 7.54	-31 34.5	1.969	2.933	7.5	19.8
8 19	19 58.82	-25 18.5	1.446	2.378	12.2	20.6	8 19	19 58.85	-31 6.1	2.021	2.928	10.6	20.0
8 29	19 53.04	-25 38.5	1.519	2.377	16.1	20.9	8 29	19 52.43	-30 26.4	2.096	2.922	13.5	20.2
<b>403345</b>	2009 <i>EF</i> <sub>25</sub>	7 25.9 172°37		0°2/25.9 18			<b>420847</b>	2013 <i>JN</i> <sub>47</sub>	7 26.0 13°56		4°2/28.0 17		
6 20	20 46.82	-18 42.5											

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>322335</b>	2011 <i>HS</i> <sub>27</sub>		7 26.0	4°29	1°8/25.2	17	<b>333195</b>	2012 <i>FV</i> <sub>76</sub>		7 26.0	152°40	0°6/26.3	17
6 20	20 43.21	-20 29.5	1.251	2.139	17.4	19.5	6 20	20 51.32	-16 25.4	1.790	2.636	14.9	21.8
6 30	20 40.46	-21 8.4	1.190	2.138	13.2	19.2	6 30	20 45.71	-16 40.9	1.719	2.643	11.4	21.6
7 10	20 34.87	-21 56.5	1.148	2.139	8.4	18.9	7 10	20 37.79	-17 5.1	1.670	2.650	7.4	21.4
7 20	20 27.16	-22 48.1	1.128	2.140	3.4	18.6	7 20	20 28.23	-17 34.9	1.646	2.657	3.0	21.1
7 30	20 18.58	-23 36.3	1.132	2.143	3.2	18.6	7 30	20 18.00	-18 6.4	1.650	2.663	1.8	21.0
8 9	20 10.58	-24 15.0	1.159	2.147	8.2	18.9	8 9	20 8.25	-18 35.8	1.680	2.668	6.2	21.3
8 19	20 4.46	-24 40.5	1.208	2.152	12.9	19.2	8 19	19 59.99	-19 0.3	1.736	2.673	10.2	21.6
8 29	20 1.18	-24 52.0	1.276	2.159	17.0	19.5	8 29	19 54.02	-19 18.4	1.816	2.677	13.8	21.8
<b>386305</b>	2008 <i>SD</i> <sub>45</sub>		7 26.0	235°48	6°0/29.7	18	<b>475290</b>	2005 <i>XV</i> <sub>3</sub>		7 26.0	171°43	3°0/23.5	18
6 20	20 45.70	-1 27.2	2.112	2.904	14.8	21.8	6 20	20 46.39	-27 55.9	2.831	3.679	9.9	21.6
6 30	20 41.24	-1 11.3	2.020	2.894	12.3	21.6	6 30	20 41.38	-28 45.9	2.757	3.682	7.6	21.5
7 10	20 34.87	-1 12.1	1.947	2.884	9.6	21.4	7 10	20 34.77	-29 36.0	2.707	3.684	5.1	21.3
7 20	20 27.09	-1 30.7	1.899	2.873	7.1	21.2	7 20	20 27.03	-30 22.3	2.685	3.686	3.2	21.2
7 30	20 18.61	-2 6.5	1.876	2.862	6.0	21.1	7 30	20 18.79	-31 1.2	2.692	3.688	3.6	21.2
8 9	20 10.30	-2 56.5	1.880	2.851	7.2	21.2	8 9	20 10.82	-31 29.9	2.727	3.689	5.8	21.4
8 19	20 3.02	-3 56.5	1.910	2.839	9.9	21.3	8 19	20 3.78	-31 47.4	2.789	3.690	8.3	21.5
8 29	19 57.50	-5 1.7	1.963	2.827	12.8	21.5	8 29	19 58.28	-31 53.8	2.876	3.690	10.5	21.7
<b>3816</b>	Chugainov		7 26.0	147°31	1°0/25.6	18	<b>95390</b>	2002 <i>CO</i> <sub>174</sub>		7 26.0	70°53	1°7/27.3	18
6 20	20 52.55	-22 12.9	2.026	2.873	13.4	16.3	6 20	20 43.66	-11 20.4	2.202	3.036	12.9	19.3
6 30	20 46.36	-22 12.0	1.954	2.880	10.1	16.1	6 30	20 39.53	-11 52.6	2.129	3.044	10.0	19.1
7 10	20 38.04	-22 13.2	1.905	2.887	6.4	15.9	7 10	20 33.68	-12 36.4	2.079	3.052	6.7	18.9
7 20	20 28.24	-22 13.6	1.882	2.893	2.5	15.7	7 20	20 26.63	-13 29.5	2.054	3.060	3.3	18.7
7 30	20 17.91	-22 10.5	1.887	2.898	2.1	15.6	7 30	20 19.08	-14 28.2	2.057	3.068	2.0	18.6
8 9	20 8.09	-22 2.1	1.920	2.903	5.9	15.9	8 9	20 11.83	-15 28.4	2.088	3.077	5.0	18.9
8 19	19 59.72	-21 47.8	1.979	2.908	9.6	16.1	8 19	20 5.62	-16 26.0	2.146	3.085	8.4	19.1
8 29	19 53.50	-21 28.2	2.063	2.913	12.8	16.3	8 29	20 1.09	-17 18.1	2.228	3.093	11.4	19.3
<b>513996</b>	2014 <i>HY</i> <sub>134</sub>		7 26.0	229°05	2°6/27.6	18	<b>130814</b>	2000 <i>UW</i> <sub>8</sub>		7 26.0	283°77	8°3/29.7	18
6 20	20 45.42	-10 54.2	2.148	2.979	13.3	22.1	6 20	20 46.25	+ 0 9.6	1.808	2.602	16.8	19.4
6 30	20 40.92	-10 50.8	2.065	2.976	10.5	21.9	6 30	20 42.06	+ 1 5.6	1.713	2.584	14.3	19.1
7 10	20 34.60	-10 58.0	2.005	2.974	7.2	21.7	7 10	20 35.65	+ 1 44.4	1.637	2.565	11.6	18.9
7 20	20 26.96	-11 14.8	1.969	2.971	4.0	21.5	7 20	20 27.50	+ 2 2.9	1.584	2.546	9.3	18.7
7 30	20 18.74	-11 39.1	1.960	2.968	2.8	21.4	7 30	20 18.44	+ 1 59.2	1.554	2.528	8.3	18.6
8 9	20 10.80	-12 8.2	1.979	2.966	5.5	21.6	8 9	20 9.50	+ 1 34.4	1.548	2.509	9.5	18.7
8 19	20 3.94	-12 39.0	2.024	2.963	8.8	21.8	8 19	20 1.71	+ 0 52.2	1.567	2.490	12.1	18.8
8 29	19 58.83	-13 8.9	2.093	2.960	11.9	22.0	8 29	19 55.97	- 0 2.0	1.607	2.471	15.1	18.9
<b>384590</b>	2010 <i>KK</i> <sub>32</sub>		7 26.0	162°49	0°8/25.6	17	<b>352594</b>	2008 <i>EA</i> <sub>41</sub>		7 26.0	87°82	0°5/25.6	15
6 20	20 48.33	-19 44.1	2.021	2.872	13.2	21.8	6 20	20 46.17	-18 12.8	2.324	3.168	11.9	21.7
6 30	20 43.28	-20 12.3	1.946	2.875	10.0	21.6	6 30	20 41.29	-18 56.7	2.264	3.190	9.0	21.5
7 10	20 36.17	-20 46.5	1.895	2.878	6.4	21.4	7 10	20 34.72	-19 46.8	2.229	3.211	5.7	21.3
7 20	20 27.58	-21 23.1	1.869	2.880	2.4	21.1	7 20	20 27.01	-20 39.4	2.220	3.232	2.1	21.1
7 30	20 18.37	-21 57.8	1.871	2.883	2.0	21.1	7 30	20 18.89	-21 30.5	2.240	3.252	1.7	21.1
8 9	20 9.54	-22 27.2	1.900	2.885	5.9	21.4	8 9	20 11.16	-22 16.5	2.288	3.272	5.1	21.4
8 19	20 1.99	-22 49.0	1.955	2.886	9.6	21.6	8 19	20 4.54	-22 55.1	2.363	3.292	8.3	21.6
8 29	19 56.46	-23 2.3	2.034	2.888	12.8	21.8	8 29	19 59.62	-23 24.9	2.463	3.312	11.0	21.8
<b>177188</b>	2003 <i>UR</i> <sub>1</sub>		7 26.0	221°47	1°3/26.7	18	<b>200213</b>	1999 <i>TH</i> <sub>169</sub>		7 26.0	329°28	3°9/27.9	18
6 20	20 50.83	-14 47.4	1.932	2.770	14.3	21.7	6 20	20 44.82	- 9 25.2	1.603	2.447	16.4	20.0
6 30	20 45.38	-14 55.1	1.842	2.760	11.1	21.4	6 30	20 41.12	- 9 12.2	1.523	2.440	13.1	19.8
7 10	20 37.65	-15 12.1	1.773	2.750	7.3	21.2	7 10	20 35.08	- 9 14.1	1.463	2.433	9.3	19.6
7 20	20 28.21	-15 36.4	1.729	2.738	3.2	20.9	7 20	20 27.28	- 9 30.4	1.425	2.426	5.5	19.3
7 30	20 17.94	-16 4.7	1.713	2.726	2.0	20.8	7 30	20 18.68	- 9 59.2	1.413	2.420	4.0	19.2
8 9	20 7.90	-16 33.7	1.725	2.713	6.1	21.0	8 9	20 10.39	-10 36.7	1.425	2.414	7.0	19.4
8 19	19 59.14	-17 0.3	1.763	2.699	10.1	21.2	8 19	20 3.50	-11 18.4	1.462	2.408	11.0	19.6
8 29	19 52.51	-17 22.4	1.825	2.684	13.7	21.4	8 29	19 58.87	-12 0.0	1.521	2.403	14.8	19.8
<b>352509</b>	2008 <i>CP</i> <sub>75</sub>		7 26.0	44°80	2°6/25.1	16	<b>76087</b>	2000 <i>DK</i> <sub>93</sub>		7 26.0	242°25	1°1/25.4	18
6 20	20 51.31	-26 38.7	1.788	2.650	14.2	20.0	6 20	20 47.46	-20 46.8	2.023	2.878	13.1	19.8
6 30	20 45.57	-26 38.2	1.733	2.666	10.8	19.8	6 30	20 42.74	-21 14.7	1.941	2.872	10.0	19.6
7 10	20 37.56	-26 36.6	1.700	2.683	7.0	19.6	7 10	20 35.93	-21 48.1	1.882	2.866	6.3	19.3
7 20	20 28.06	-26 30.1	1.692	2.700	3.4	19.4	7 20	20 27.56	-22 23.1	1.848	2.859	2.5	19.1
7 30	20 18.15	-26 15.8	1.711	2.718	3.3	19.5	7 30	20 18.51	-22 55.8	1.842	2.853	2.2	19.1
8 9	20 8.98	-25 52.7	1.756	2.736	6.8	19.7	8 9	20 9.75	-23 22.5	1.862	2.846	6.1	19.3
8 19	20 1.50	-25 21.3	1.827	2.755	10.3	20.0	8 19	20 2.24	-23 41.1	1.909	2.840	9.8	19.5
8 29	19 56.38	-24 43.3	1.920	2.773	13.5	20.2	8 29	19 56.74	-23 50.7	1.979	2.833	13.1	19.7
<b>161068</b>	2002 <i>KY</i> <sub>11</sub>		7 26.0	341°00	0°4/25.8	18	<b>222554</b>	2001 <i>VN</i> <sub>26</sub>		7 26.0	205°68	0°2/25.9	18
6 20	20 45.38	-18 15.2	1.567	2.435	15.6	19.9	6 20	20 49.36	-18 11.3	2.095	2.939	13.1	21.5
6 30	20 41.64	-18 41.1	1.493	2.430	11.9	19.6	6 30	20 44.08	-18 32.2	2.010	2.934	10.0	21.3
7 10	20 35.44	-19 16.3	1.439	2.425	7.6	19.4	7 10	20 36.73	-18 59.9	1.948	2.929	6.4	21.1
7 20	20 27.39	-19 57.0	1.409	2.421	2.9	19.1	7 20	20 27.87	-19 31.3	1.912	2.924	2.5	20.8
7 30	20 18.51	-20 38.2	1.404	2.417	2.1	19.0	7 30	20 18.31	-20 2.7	1.904	2.917	1.7	20.7
8 9	20 10.03	-21 15.0	1.424	2.413	6.9	19.3	8 9	20 9.04	-20 30.8	1.925	2.911	5.7	21.0
8 19	20 3.07	-21 44.0	1.469	2.410	11.3	19.5	8 19	20 0.98	-20 53.2	1.971	2.903	9.5	21.2
8 29	19 58.54	-22 3.3	1.535	2.408	15.2	19.8	8 29	19 54.89	-21 8.6	2.042	2.895	12.7	21.4
<b>413744</b>	2006 <i>BP</i> <sub>264</sub>		7 26.0	300°00	3°7/24.7	17	<b>24392</b>	2000 <i>AD</i> <sub>179</sub>		7 26.0</			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>195478</b>	2002 <i>GV</i> <sub>129</sub>		7 26.0 172°63	1.5°/26.9	17		<b>315132</b>	2007 <i>EM</i> <sub>100</sub>		7 26.0 215°54	5.7°/22.7	18	
6 20	20 48.29	-13 38.4	2.239	3.070	12.8	21.3	6 20	20 53.81	-38 35.5	2.630	3.465	11.0	21.0
6 30	20 43.03	-13 48.6	2.159	3.073	9.9	21.2	6 30	20 47.23	-39 4.3	2.555	3.460	8.9	20.8
7 10	20 35.94	-14 7.5	2.102	3.076	6.6	21.0	7 10	20 38.59	-39 25.6	2.503	3.455	7.0	20.7
7 20	20 27.54	-14 33.4	2.071	3.078	3.1	20.7	7 20	20 28.55	-39 34.8	2.477	3.449	5.8	20.6
7 30	20 18.58	-15 3.5	2.068	3.079	1.9	20.6	7 30	20 17.98	-39 28.2	2.478	3.444	6.2	20.6
8 9	20 9.93	-15 34.8	2.093	3.080	5.2	20.9	8 9	20 7.89	-39 4.7	2.507	3.438	7.9	20.7
8 19	20 2.38	-16 4.5	2.145	3.081	8.6	21.1	8 19	19 59.17	-38 25.5	2.562	3.432	10.0	20.9
8 29	19 56.61	-16 30.7	2.222	3.081	11.7	21.3	8 29	19 52.50	-37 33.1	2.639	3.425	12.1	21.0
<b>285045</b>	2011 <i>FW</i> <sub>97</sub>		7 26.0 328°57	0.2°/25.9	16		<b>436224</b>	2010 <i>AJ</i> <sub>26</sub>		7 26.0 117°64	0.7°/26.6	17	
6 20	20 46.56	-18 58.8	1.403	2.277	16.7	20.2	6 20	20 48.15	-14 6.6	2.231	3.063	12.8	21.7
6 30	20 42.88	-19 5.8	1.326	2.266	12.8	19.9	6 30	20 42.84	-14 46.1	2.166	3.083	9.8	21.6
7 10	20 36.43	-19 21.0	1.269	2.256	8.3	19.7	7 10	20 35.76	-15 34.9	2.125	3.101	6.3	21.4
7 20	20 27.87	-19 41.1	1.234	2.246	3.2	19.3	7 20	20 27.46	-16 29.9	2.110	3.119	2.6	21.2
7 30	20 18.32	-20 1.7	1.224	2.237	2.2	19.2	7 30	20 18.69	-17 27.0	2.124	3.137	1.5	21.1
8 9	20 9.20	-20 18.5	1.238	2.228	7.4	19.5	8 9	20 10.32	-18 22.0	2.166	3.154	5.1	21.4
8 19	20 1.78	-20 28.8	1.275	2.221	12.3	19.8	8 19	20 3.10	-19 11.8	2.236	3.170	8.4	21.6
8 29	19 57.08	-20 31.2	1.333	2.214	16.5	20.0	8 29	19 57.66	-19 54.2	2.331	3.186	11.3	21.9
<b>436566</b>	2011 <i>HZ</i> <sub>44</sub>		7 26.0 127°85	6.4°/30.1	17		<b>99811</b>	2002 <i>LF</i> <sub>25</sub>		7 26.0 106°07	1.1°/26.8	18	
6 20	20 46.90	-0 50.9	1.957	2.749	15.8	21.8	6 20	20 45.71	-12 2.4	1.835	2.677	14.7	19.3
6 30	20 42.13	-0 31.3	1.885	2.759	13.1	21.6	6 30	20 41.52	-12 57.8	1.760	2.681	11.4	19.1
7 10	20 35.43	-0 30.0	1.833	2.768	10.2	21.5	7 10	20 35.21	-14 8.1	1.707	2.684	7.5	18.8
7 20	20 27.35	-0 47.8	1.804	2.776	7.6	21.3	7 20	20 27.34	-15 29.6	1.678	2.687	3.3	18.6
7 30	20 18.71	-1 23.5	1.801	2.785	6.4	21.3	7 30	20 18.76	-16 56.4	1.678	2.691	1.8	18.5
8 9	20 10.44	-2 13.9	1.823	2.793	7.5	21.4	8 9	20 10.49	-18 22.2	1.705	2.694	5.9	18.8
8 19	20 3.37	-3 14.1	1.871	2.800	10.1	21.5	8 19	20 3.48	-19 41.3	1.758	2.697	9.9	19.0
8 29	19 58.20	-4 18.8	1.943	2.808	12.8	21.7	8 29	19 58.53	-20 49.8	1.834	2.700	13.4	19.3
<b>34861</b>	2001 <i>TY</i> <sub>77</sub>		7 26.0 83°35	4.5°/23.4	18		<b>276518</b>	2003 <i>QK</i> <sub>115</sub>		7 26.1 332°05	1.0°/25.4	18	
6 20	20 49.51	-26 39.2	1.620	2.490	15.0	17.7	6 20	20 37.95	-14 55.2	1.205	2.093	17.9	18.9
6 30	20 44.81	-27 52.6	1.561	2.498	11.5	17.5	6 30	20 36.93	-16 15.6	1.113	2.062	13.9	18.6
7 10	20 37.46	-29 8.7	1.523	2.506	7.7	17.3	7 10	20 33.06	-18 1.3	1.041	2.032	9.0	18.2
7 20	20 28.20	-30 19.7	1.510	2.514	4.7	17.1	7 20	20 26.76	-20 7.2	0.991	2.004	3.4	17.8
7 30	20 18.15	-31 18.1	1.523	2.522	5.4	17.2	7 30	20 19.02	-22 23.3	0.964	1.977	3.0	17.7
8 9	20 8.65	-31 59.0	1.562	2.529	8.7	17.4	8 9	20 11.29	-24 36.3	0.961	1.951	9.0	18.0
8 19	20 0.88	-32 20.6	1.624	2.537	12.3	17.6	8 19	20 5.13	-26 34.4	0.979	1.928	14.7	18.2
8 29	19 55.72	-32 24.4	1.707	2.545	15.5	17.8	8 29	20 1.94	-28 9.5	1.016	1.906	19.8	18.4
<b>428344</b>	2007 <i>LB</i> <sub>2</sub>		7 26.0 47°90	0.4°/26.2	17		<b>214022</b>	2004 <i>DB</i> <sub>23</sub>		7 26.1 124°99	5.4°/29.7	16	
6 20	20 46.22	-15 29.5	1.503	2.366	16.4	20.6	6 20	20 45.69	-2 17.8	2.277	3.068	13.9	21.0
6 30	20 42.19	-16 7.8	1.444	2.378	12.5	20.4	6 30	20 40.97	-1 57.3	2.202	3.077	11.4	20.9
7 10	20 35.72	-16 58.5	1.406	2.390	8.0	20.2	7 10	20 34.59	-1 51.6	2.149	3.086	8.8	20.7
7 20	20 27.50	-17 57.2	1.391	2.402	3.1	19.9	7 20	20 27.04	-2 1.2	2.120	3.095	6.4	20.6
7 30	20 18.62	-18 57.8	1.402	2.415	1.9	19.9	7 30	20 19.03	-2 25.2	2.117	3.103	5.4	20.5
8 9	20 10.30	-19 54.5	1.438	2.428	6.7	20.2	8 9	20 11.32	-3 1.1	2.141	3.111	6.5	20.6
8 19	20 3.61	-20 42.9	1.499	2.442	11.0	20.5	8 19	20 4.64	-3 45.3	2.192	3.119	8.9	20.8
8 29	19 59.35	-21 20.6	1.581	2.455	14.7	20.8	8 29	19 59.59	-4 33.9	2.266	3.127	11.4	21.0
<b>299128</b>	2005 <i>ET</i> <sub>214</sub>		7 26.0 31°53	4.3°/24.7	18		<b>387800</b>	2003 <i>YA</i> <sub>182</sub>		7 26.1 283°32	0.2°/26.2	18	
6 20	20 52.73	-30 3.2	1.473	2.344	16.2	19.5	6 20	20 45.73	-16 43.7	1.911	2.764	13.8	21.2
6 30	20 47.21	-30 8.0	1.420	2.356	12.4	19.3	6 30	20 41.58	-17 11.5	1.825	2.754	10.6	21.0
7 10	20 38.87	-30 8.5	1.387	2.369	8.4	19.1	7 10	20 35.30	-17 48.7	1.761	2.743	6.8	20.7
7 20	20 28.66	-29 59.5	1.378	2.383	4.9	18.9	7 20	20 27.41	-18 32.2	1.721	2.733	2.7	20.4
7 30	20 17.93	-29 37.1	1.395	2.397	5.0	18.9	7 30	20 18.75	-19 17.8	1.709	2.722	1.7	20.4
8 9	20 8.15	-29 0.5	1.436	2.412	8.4	19.2	8 9	20 10.33	-20 1.2	1.723	2.712	6.0	20.6
8 19	20 0.46	-28 12.0	1.501	2.428	12.2	19.4	8 19	20 3.12	-20 38.9	1.763	2.701	10.0	20.8
8 29	19 55.63	-27 14.8	1.587	2.444	15.6	19.7	8 29	19 57.94	-21 8.6	1.826	2.691	13.5	21.0
<b>471638</b>	2012 <i>TJ</i> <sub>60</sub>		7 26.0 335°30	4.0°/27.9	18		<b>136355</b>	2004 <i>CF</i> <sub>81</sub>		7 26.1 289°20	1.7°/27.1	18	
6 20	20 39.65	-10 16.4	1.210	2.084	18.8	20.1	6 20	20 45.09	-13 0.0	1.928	2.772	14.1	20.0
6 30	20 37.98	-10 7.6	1.127	2.062	15.1	19.8	6 30	20 41.02	-13 14.8	1.842	2.763	11.0	19.8
7 10	20 33.53	-10 17.5	1.061	2.041	10.6	19.4	7 10	20 34.90	-13 41.1	1.778	2.755	7.3	19.6
7 20	20 26.84	-10 46.4	1.016	2.021	6.0	19.1	7 20	20 27.25	-14 16.8	1.739	2.746	3.5	19.3
7 30	20 18.97	-11 31.7	0.993	2.003	4.2	19.0	7 30	20 18.88	-14 58.7	1.726	2.738	2.1	19.2
8 9	20 11.34	-12 27.8	0.992	1.986	8.1	19.1	8 9	20 10.75	-15 42.8	1.740	2.730	5.8	19.4
8 19	20 5.32	-13 27.9	1.012	1.971	13.2	19.4	8 19	20 3.80	-16 25.3	1.780	2.721	9.7	19.7
8 29	20 2.11	-14 25.4	1.052	1.957	17.9	19.6	8 29	19 58.79	-17 3.2	1.843	2.713	13.1	19.9
<b>131690</b>	2001 <i>XR</i> <sub>214</sub>		7 26.0 213°85	4.1°/28.0	18		<b>436598</b>	2011 <i>KP</i> <sub>5</sub>		7 26.1 231°02	5.2°/28.9	18	
6 20	20 49.75	-8 24.4	1.673	2.503	16.5	19.8	6 20	20 47.39	-4 48.5	2.011	2.818	14.9	21.2
6 30	20 44.80	-8 14.8	1.590	2.497	13.2	19.6	6 30	20 42.65	-4 25.5	1.921	2.810	12.2	21.0
7 10	20 37.43	-8 20.5	1.527	2.491	9.4	19.3	7 10	20 35.89	-4 17.1	1.852	2.801	9.2	20.8
7 20	20 28.21	-8 41.2	1.487	2.485	5.7	19.1	7 20	20 27.63	-4 24.0	1.806	2.791	6.4	20.6
7 30	20 18.12	-9 14.8	1.473	2.478	4.2	19.0	7 30	20 18.63	-4 45.5	1.787	2.781	5.3	20.5
8 9	20 8.33	-9 57.3	1.485	2.471	7.1	19.1	8 9	20 9.85	-5 19.1	1.794	2.771	7.0	20.6
8 19	19 59.95	-10 44.1	1.522	2.462	11.1	19.4	8 19	20 2.18	-6 1.2	1.827	2.760	10.0	20.8
8 29	19 53.89	-11 30.9	1.582	2.454	14.9	19.6	8 29	19 56.40	-6 47.4	1.884	2.749	13.1	20.9
<b>74968</b>	1999 <i>TW</i> <sub>212</sub>		7 26.0 198°10	3.7°/27.8	18		<b>306803</b>	2001 <i>QQ</i> <sub>61</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>477592</b>	2010 <i>JF</i> <sub>119</sub>		7 26.1 218°49	5°5/29.7	18		<b>298110</b>	2002 <i>RG</i> <sub>146</sub>		7 26.1 299°50	1°2/25.5	16	
6 20	20 46.20	-1 18.8	2.479	3.258	13.2	22.0	6 20	20 47.46	-21 22.7	1.790	2.652	14.2	21.6
6 30	20 41.38	-1 0.8	2.383	3.249	11.0	21.8	6 30	20 43.22	-21 39.6	1.695	2.630	10.9	21.3
7 10	20 34.91	-0 57.1	2.309	3.240	8.6	21.7	7 10	20 36.54	-22 1.8	1.622	2.607	7.0	21.1
7 20	20 27.21	-1 8.4	2.259	3.229	6.4	21.5	7 20	20 27.98	-22 25.8	1.573	2.585	2.8	20.7
7 30	20 18.92	-1 34.3	2.236	3.218	5.5	21.4	7 30	20 18.44	-22 47.3	1.551	2.562	2.5	20.7
8 9	20 10.79	-2 12.7	2.240	3.207	6.5	21.5	8 9	20 9.10	-23 2.5	1.554	2.540	6.8	20.9
8 19	20 3.53	-3 0.3	2.272	3.195	8.8	21.6	8 19	20 1.08	-23 9.4	1.582	2.518	11.1	21.1
8 29	19 57.78	-3 53.2	2.328	3.182	11.3	21.7	8 29	19 55.35	-23 7.2	1.633	2.496	14.9	21.3
<b>316011</b>	2009 <i>FC</i> <sub>16</sub>		7 26.1 359°49	0°4/26.2	17		<b>31613</b>	1999 <i>GO</i> <sub>8</sub>		7 26.1 274°10	1°2/25.4	18	
6 20	20 40.77	-15 7.4	1.000	1.895	20.1	19.7	6 20	20 47.77	-19 45.4	1.681	2.543	14.9	18.5
6 30	20 39.18	-15 45.8	0.940	1.892	15.5	19.4	6 30	20 43.40	-20 22.4	1.606	2.540	11.4	18.3
7 10	20 34.42	-16 43.4	0.898	1.889	10.0	19.1	7 10	20 36.58	-21 7.6	1.552	2.537	7.2	18.0
7 20	20 27.22	-17 55.1	0.876	1.888	4.0	18.8	7 20	20 27.95	-21 56.2	1.522	2.534	2.8	17.7
7 30	20 18.92	-19 12.4	0.875	1.888	2.4	18.7	7 30	20 18.51	-22 42.8	1.519	2.531	2.5	17.7
8 9	20 11.21	-20 25.6	0.895	1.890	8.5	19.0	8 9	20 9.44	-23 22.6	1.542	2.528	6.9	18.0
8 19	20 5.59	-21 27.2	0.936	1.894	14.1	19.3	8 19	20 1.85	-23 52.3	1.590	2.525	11.1	18.2
8 29	20 3.19	-22 12.7	0.996	1.899	18.9	19.6	8 29	19 56.63	-24 10.7	1.659	2.521	14.8	18.4
<b>338564</b>	2003 <i>SR</i> <sub>73</sub>		7 26.1 304°44	2°7/24.8	17		<b>107620</b>	2001 <i>EW</i> <sub>7</sub>		7 26.1 145°25	1°6/25.3	17	
6 20	20 49.42	-25 3.7	1.759	2.623	14.3	21.0	6 20	20 51.90	-21 13.2	1.775	2.630	14.6	20.4
6 30	20 44.57	-25 26.7	1.683	2.618	10.9	20.8	6 30	20 46.29	-21 49.4	1.708	2.639	11.1	20.2
7 10	20 37.27	-25 51.7	1.629	2.613	7.1	20.6	7 10	20 38.28	-22 31.1	1.663	2.647	7.0	19.9
7 20	20 28.18	-26 14.0	1.600	2.608	3.4	20.3	7 20	20 28.55	-23 13.6	1.644	2.655	2.9	19.7
7 30	20 18.32	-26 29.0	1.596	2.604	3.5	20.3	7 30	20 18.15	-23 51.6	1.651	2.662	2.7	19.7
8 9	20 8.91	-26 33.5	1.619	2.599	7.3	20.6	8 9	20 8.25	-24 21.2	1.686	2.668	6.8	20.0
8 19	20 1.04	-26 26.7	1.667	2.595	11.2	20.8	8 19	19 59.93	-24 40.2	1.746	2.674	10.7	20.2
8 29	19 55.57	-26 9.2	1.737	2.591	14.6	21.0	8 29	19 53.98	-24 48.5	1.828	2.680	14.1	20.5
<b>413438</b>	2005 <i>BN</i>		7 26.1 216°20	1°6/25.2	17		<b>358757</b>	2008 <i>CJ</i> <sub>183</sub>		7 26.1 141°47	1°8/27.4	18	
6 20	20 51.74	-20 57.1	1.786	2.640	14.6	22.6	6 20	20 44.57	-11 45.9	2.357	3.186	12.3	21.1
6 30	20 46.39	-21 38.4	1.702	2.633	11.1	22.3	6 30	20 40.17	-12 5.6	2.278	3.190	9.6	20.9
7 10	20 38.50	-22 26.8	1.641	2.624	7.1	22.1	7 10	20 34.13	-12 35.4	2.222	3.194	6.4	20.7
7 20	20 28.69	-23 17.4	1.605	2.615	2.9	21.8	7 20	20 26.92	-13 13.4	2.192	3.198	3.2	20.5
7 30	20 17.95	-24 4.4	1.595	2.606	2.8	21.8	7 30	20 19.21	-13 57.0	2.190	3.201	2.0	20.5
8 9	20 7.50	-24 42.9	1.613	2.595	7.1	22.0	8 9	20 11.76	-14 42.6	2.216	3.205	4.9	20.7
8 19	19 58.51	-25 10.0	1.657	2.584	11.2	22.3	8 19	20 5.30	-15 27.1	2.270	3.208	8.1	20.9
8 29	19 51.93	-25 25.1	1.723	2.573	14.9	22.5	8 29	20 0.42	-16 7.9	2.348	3.211	11.0	21.1
<b>485221</b>	2010 <i>VN</i> <sub>11</sub>		7 26.1 287°54	1°2/25.0	17		<b>118428</b>	1999 <i>TG</i> <sub>157</sub>		7 26.1 207°45	7°1/31.8	18	
6 20	20 44.95	-17 45.2	2.394	3.239	11.6	21.1	6 20	20 42.97	+ 5 0.7	2.508	3.257	13.8	20.3
6 30	20 40.78	-19 5.3	2.290	3.216	8.9	20.8	6 30	20 38.90	+ 5 19.2	2.421	3.255	11.9	20.1
7 10	20 34.74	-20 36.4	2.210	3.193	5.6	20.6	7 10	20 33.30	+ 5 19.9	2.354	3.253	9.9	20.0
7 20	20 27.23	-22 14.1	2.158	3.169	2.2	20.3	7 20	20 26.60	+ 5 1.6	2.310	3.251	8.1	19.8
7 30	20 18.88	-23 52.6	2.136	3.146	2.2	20.3	7 30	20 19.41	+ 4 24.5	2.291	3.248	7.1	19.8
8 9	20 10.53	-25 26.0	2.143	3.123	5.8	20.5	8 9	20 12.41	+ 3 30.8	2.299	3.246	7.6	19.8
8 19	20 3.01	-26 49.5	2.178	3.099	9.2	20.7	8 19	20 6.26	+ 2 24.3	2.332	3.243	9.2	19.9
8 29	19 57.12	-28 0.0	2.238	3.076	12.3	20.8	8 29	20 1.54	+ 1 9.8	2.389	3.241	11.2	20.0
<b>433127</b>	2012 <i>TB</i> <sub>176</sub>		7 26.1 20°98	8°9/31.1	16		<b>254935</b>	2005 <i>SN</i> <sub>146</sub>		7 26.1 192°52	3°8/28.8	18	
6 20	20 42.45	+ 0 43.4	1.326	2.149	20.3	21.0	6 20	20 44.11	- 5 47.4	2.538	3.341	12.3	20.9
6 30	20 39.53	+ 1 21.2	1.268	2.157	17.1	20.8	6 30	20 39.72	- 5 44.5	2.452	3.340	9.9	20.7
7 10	20 34.15	+ 1 32.5	1.226	2.166	13.7	20.6	7 10	20 33.80	- 5 53.7	2.388	3.339	7.3	20.5
7 20	20 26.99	+ 1 15.0	1.204	2.176	10.5	20.5	7 20	20 26.79	- 6 14.7	2.349	3.338	4.8	20.4
7 30	20 19.12	+ 0 29.6	1.203	2.186	8.9	20.4	7 30	20 19.30	- 6 46.0	2.338	3.336	3.8	20.3
8 9	20 11.77	- 0 38.5	1.225	2.198	9.9	20.5	8 9	20 12.02	- 7 25.1	2.354	3.334	5.3	20.4
8 19	20 6.03	- 2 1.5	1.269	2.211	12.7	20.7	8 19	20 5.61	- 8 8.9	2.398	3.332	7.9	20.6
8 29	20 2.75	- 3 30.5	1.334	2.224	15.9	20.9	8 29	20 0.64	- 8 54.2	2.467	3.329	10.5	20.7
<b>344766</b>	2003 <i>WE</i> <sub>87</sub>		7 26.1 269°18	6°1/22.5	18		<b>512572</b>	2016 <i>SJ</i> <sub>31</sub>		7 26.1 265°11	2°6/24.6	18	
6 20	20 53.88	-35 22.3	2.153	3.000	12.7	21.2	6 20	20 48.73	-24 52.6	2.028	2.886	12.9	22.1
6 30	20 48.00	-36 9.6	2.059	2.976	10.2	21.0	6 30	20 43.89	-25 26.7	1.940	2.872	9.9	21.9
7 10	20 39.54	-36 52.5	1.988	2.951	7.7	20.8	7 10	20 36.81	-26 3.7	1.875	2.857	6.5	21.6
7 20	20 29.11	-37 24.6	1.943	2.926	6.2	20.7	7 20	20 28.05	-26 38.9	1.835	2.843	3.2	21.4
7 30	20 17.69	-37 40.1	1.924	2.900	6.8	20.6	7 30	20 18.48	-27 7.7	1.822	2.828	3.5	21.4
8 9	20 6.52	-37 35.6	1.932	2.874	9.1	20.7	8 9	20 9.16	-27 26.5	1.836	2.813	6.9	21.6
8 19	19 56.80	-37 11.4	1.964	2.848	12.0	20.9	8 19	20 1.11	-27 33.7	1.876	2.798	10.5	21.8
8 29	19 49.49	-36 30.0	2.018	2.820	14.8	21.0	8 29	19 55.17	-27 29.3	1.939	2.782	13.7	21.9
<b>386324</b>	2008 <i>SQ</i> <sub>130</sub>		7 26.1 194°01	1°4/25.2	18		<b>476192</b>	2007 <i>UO</i> <sub>40</sub>		7 26.1 226°40	4°0/28.4	18	
6 20	20 49.58	-22 17.9	2.339	3.185	11.9	22.4	6 20	20 46.14	- 7 5.4	2.214	3.027	13.5	21.7
6 30	20 44.08	-22 44.0	2.257	3.183	9.0	22.2	6 30	20 41.52	- 6 51.1	2.125	3.021	10.9	21.5
7 10	20 36.68	-23 13.5	2.198	3.180	5.7	22.0	7 10	20 35.09	- 6 49.1	2.058	3.014	7.9	21.3
7 20	20 27.90	-23 42.7	2.167	3.177	2.4	21.8	7 20	20 27.33	- 6 59.2	2.016	3.008	5.1	21.1
7 30	20 18.53	-24 8.3	2.163	3.173	2.3	21.7	7 30	20 18.97	- 7 20.4	2.000	3.001	4.1	21.1
8 9	20 9.46	-24 27.3	2.188	3.169	5.6	22.0	8 9	20 10.83	- 7 50.2	2.012	2.994	6.0	21.2
8 19	20 1.52	-24 38.3	2.240	3.164	8.9	22.2	8 19	20 3.70	- 8 25.4	2.051	2.986	9.0	21.3
8 29	19 55.40	-24 40.9	2.317	3.158	11.8	22.3	8 29	19 58.26	- 9 2.8	2.114	2.978	11.9	21.5
<b>393621</b>	2004 <i>EM</i> <sub>26</sub>		7 26.1 155°43	2°6/27.7	16		<b>323070</b>	2002 <i>TT</i> <sub>78</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>90901</b>	1997 <i>EJ</i> <sub>5</sub>		7 26.1	1°61	0°5/25.8	18	<b>519110</b>	2010 <i>MA</i> <sub>10</sub>		7 26.1	279°64	4°2/29.3	18
6 20	20 44.71	-19 26.5	1.796	2.659	14.1	19.2	6 20	20 43.09	-3 57.3	2.235	3.040	13.7	21.5
6 30	20 40.85	-19 43.6	1.724	2.658	10.7	19.0	6 30	20 39.27	-4 15.2	2.142	3.030	11.1	21.4
7 10	20 34.83	-20 7.1	1.673	2.658	6.8	18.8	7 10	20 33.71	-4 49.6	2.070	3.020	8.3	21.2
7 20	20 27.27	-20 33.9	1.647	2.658	2.6	18.5	7 20	20 26.86	-5 40.0	2.022	3.011	5.5	21.0
7 30	20 19.05	-21 0.0	1.646	2.659	1.9	18.4	7 30	20 19.37	-6 44.1	2.002	3.001	4.2	20.9
8 9	20 11.24	-21 21.9	1.672	2.661	6.1	18.7	8 9	20 12.06	-7 57.8	2.009	2.991	5.9	21.0
8 19	20 4.78	-21 37.3	1.723	2.663	10.1	19.0	8 19	20 5.66	-9 16.3	2.043	2.981	8.8	21.1
8 29	20 0.42	-21 45.1	1.796	2.665	13.5	19.2	8 29	20 0.87	-10 34.5	2.101	2.972	11.8	21.3
<b>42409</b>	1108 <i>T</i> <sub>-1</sub>		7 26.1	196°02	2°7/24.9	18	<b>129359</b>	4209 <i>P-L</i>		7 26.1	336°69	0°7/25.7	18
6 20	20 53.73	-24 30.5	1.670	2.529	15.2	19.8	6 20	20 45.71	-20 46.4	1.859	2.721	13.7	19.3
6 30	20 48.00	-24 58.6	1.595	2.527	11.6	19.5	6 30	20 41.62	-20 52.5	1.777	2.712	10.5	19.1
7 10	20 39.57	-25 29.5	1.542	2.525	7.5	19.3	7 10	20 35.37	-21 3.0	1.718	2.703	6.7	18.8
7 20	20 29.14	-25 57.9	1.514	2.523	3.6	19.1	7 20	20 27.52	-21 15.3	1.683	2.695	2.6	18.6
7 30	20 17.86	-26 18.3	1.512	2.520	3.6	19.0	7 30	20 18.97	-21 26.0	1.675	2.687	2.0	18.5
8 9	20 7.08	-26 27.3	1.537	2.516	7.6	19.3	8 9	20 10.77	-21 32.3	1.693	2.680	6.2	18.8
8 19	19 58.01	-26 23.8	1.586	2.512	11.8	19.5	8 19	20 3.88	-21 32.5	1.736	2.674	10.1	19.0
8 29	19 51.60	-26 8.9	1.657	2.507	15.4	19.7	8 29	19 59.09	-21 26.2	1.801	2.668	13.6	19.2
<b>230239</b>	2001 <i>UT</i> <sub>114</sub>		7 26.1	273°36	2°6/24.7	18	<b>96127</b>	2202 <i>T</i> <sub>-3</sub>		7 26.1	219°76	4°0/28.8	18
6 20	20 49.71	-23 28.9	1.763	2.625	14.4	21.1	6 20	20 44.28	-6 3.9	2.478	3.284	12.5	20.3
6 30	20 45.07	-24 8.8	1.670	2.604	11.0	20.9	6 30	20 39.91	-5 51.4	2.391	3.281	10.1	20.1
7 10	20 37.84	-24 54.1	1.599	2.583	7.2	20.6	7 10	20 33.98	-5 50.7	2.326	3.277	7.4	19.9
7 20	20 28.55	-25 39.8	1.552	2.561	3.4	20.3	7 20	20 26.92	-6 1.5	2.286	3.274	5.0	19.8
7 30	20 18.19	-26 20.0	1.532	2.540	3.6	20.3	7 30	20 19.36	-6 23.0	2.273	3.270	4.0	19.7
8 9	20 8.01	-26 49.6	1.538	2.518	7.6	20.5	8 9	20 12.01	-6 52.8	2.288	3.267	5.5	19.8
8 19	19 59.22	-27 6.2	1.569	2.495	11.8	20.7	8 19	20 5.55	-7 28.1	2.329	3.263	8.1	20.0
8 29	19 52.88	-27 9.3	1.622	2.473	15.6	20.9	8 29	20 0.57	-8 5.8	2.396	3.259	10.8	20.1
<b>445532</b>	2011 <i>BR</i> <sub>120</sub>		7 26.1	285°26	1°2/25.5	17	<b>261039</b>	2005 <i>SZ</i> <sub>146</sub>		7 26.1	224°96	0°5/26.4	18
6 20	20 48.63	-23 20.4	2.394	3.242	11.5	21.1	6 20	20 45.43	-16 19.0	2.586	3.422	11.1	21.8
6 30	20 43.44	-23 19.8	2.296	3.222	8.8	20.8	6 30	20 40.80	-16 35.9	2.496	3.415	8.5	21.6
7 10	20 36.34	-23 20.4	2.220	3.202	5.7	20.6	7 10	20 34.56	-16 59.3	2.429	3.407	5.5	21.4
7 20	20 27.85	-23 19.7	2.172	3.182	2.4	20.4	7 20	20 27.15	-17 27.2	2.389	3.399	2.3	21.2
7 30	20 18.70	-23 15.1	2.151	3.162	2.1	20.3	7 30	20 19.21	-17 56.9	2.378	3.391	1.3	21.1
8 9	20 9.76	-23 5.0	2.159	3.142	5.5	20.5	8 9	20 11.47	-18 25.7	2.395	3.383	4.6	21.3
8 19	20 1.89	-22 48.7	2.194	3.121	8.9	20.7	8 19	20 4.62	-18 51.6	2.440	3.374	7.8	21.5
8 29	19 55.79	-22 26.3	2.253	3.101	11.9	20.8	8 29	19 59.27	-19 12.8	2.510	3.365	10.6	21.7
<b>392072</b>	2009 <i>CR</i> <sub>64</sub>		7 26.1	23°24	4°6/23.0	18	<b>36887</b>	2000 <i>SA</i> <sub>162</sub>		7 26.1	307°82	2°6/27.9	18
6 20	20 46.47	-27 34.7	1.778	2.649	13.9	20.0	6 20	20 43.00	-9 6.2	1.978	2.812	14.2	18.7
6 30	20 42.41	-28 51.8	1.715	2.652	10.6	19.8	6 30	20 39.47	-9 35.8	1.886	2.799	11.2	18.5
7 10	20 35.95	-30 10.9	1.675	2.656	7.2	19.6	7 10	20 33.99	-10 21.1	1.816	2.785	7.8	18.3
7 20	20 27.74	-31 24.8	1.659	2.660	4.8	19.4	7 20	20 27.01	-11 20.2	1.769	2.772	4.2	18.0
7 30	20 18.78	-32 26.7	1.670	2.665	5.5	19.5	7 30	20 19.29	-12 29.7	1.750	2.760	2.7	17.9
8 9	20 10.24	-33 11.6	1.706	2.670	8.5	19.7	8 9	20 11.73	-13 44.3	1.758	2.747	5.7	18.1
8 19	20 3.20	-33 37.7	1.767	2.675	11.8	19.9	8 19	20 5.22	-14 59.0	1.791	2.735	9.5	18.3
8 29	19 58.50	-33 45.8	1.848	2.681	14.8	20.1	8 29	20 0.54	-16 8.9	1.849	2.723	12.9	18.5
<b>442899</b>	2013 <i>CE</i> <sub>3</sub>		7 26.1	101°58	4°2/30.1	18	<b>195064</b>	2002 <i>CB</i> <sub>88</sub>		7 26.1	47°73	0°7/25.7	18
6 20	20 44.34	-1 12.0	2.429	3.213	13.3	20.7	6 20	20 47.25	-18 26.3	1.538	2.404	15.9	19.8
6 30	20 39.93	-1 56.4	2.351	3.224	10.9	20.6	6 30	20 43.04	-19 1.3	1.477	2.413	12.1	19.6
7 10	20 33.96	-2 58.6	2.294	3.234	8.1	20.4	7 10	20 36.35	-19 45.5	1.437	2.423	7.7	19.4
7 20	20 26.89	-4 17.0	2.262	3.245	5.5	20.3	7 20	20 27.90	-20 34.2	1.421	2.433	2.9	19.1
7 30	20 19.35	-5 48.3	2.259	3.255	4.2	20.2	7 30	20 18.77	-21 21.7	1.431	2.443	2.2	19.1
8 9	20 12.06	-7 27.5	2.285	3.265	5.4	20.3	8 9	20 10.19	-22 3.0	1.466	2.454	6.8	19.4
8 19	20 5.69	-9 9.1	2.340	3.275	8.0	20.5	8 19	20 3.25	-22 34.9	1.525	2.465	11.1	19.7
8 29	20 0.82	-10 47.9	2.421	3.285	10.6	20.7	8 29	19 58.76	-22 55.8	1.606	2.476	14.8	19.9
<b>466104</b>	2012 <i>CX</i> <sub>34</sub>		7 26.1	87°72	1°3/26.8	17	<b>322321</b>	2011 <i>GJ</i> <sub>27</sub>		7 26.1	75°55	1°3/25.5	18
6 20	20 49.87	-12 50.2	1.486	2.337	17.1	21.8	6 20	20 50.41	-21 38.5	1.647	2.509	15.2	20.3
6 30	20 44.94	-13 28.7	1.431	2.356	13.2	21.6	6 30	20 45.34	-21 51.7	1.579	2.513	11.6	20.1
7 10	20 37.50	-14 22.1	1.396	2.375	8.6	21.4	7 10	20 37.78	-22 9.3	1.534	2.518	7.4	19.9
7 20	20 28.30	-15 26.0	1.385	2.394	3.8	21.2	7 20	20 28.45	-22 27.4	1.512	2.523	2.9	19.6
7 30	20 18.47	-16 34.4	1.399	2.412	2.1	21.1	7 30	20 18.43	-22 41.9	1.516	2.528	2.5	19.6
8 9	20 9.27	-17 40.6	1.440	2.431	6.6	21.4	8 9	20 8.97	-22 49.5	1.547	2.533	6.8	19.9
8 19	20 1.80	-18 39.8	1.506	2.448	11.0	21.7	8 19	20 1.16	-22 49.0	1.602	2.538	11.0	20.1
8 29	19 56.85	-19 28.7	1.594	2.466	14.8	22.0	8 29	19 55.82	-22 40.4	1.680	2.543	14.6	20.4
<b>510494</b>	2011 <i>YD</i> <sub>23</sub>		7 26.1	184°48	3°7/22.7	18	<b>387924</b>	2005 <i>BD</i> <sub>22</sub>		7 26.1	224°72	0°1/26.1	18
6 20	20 46.69	-27 27.2	2.533	3.386	10.8	21.3	6 20	20 46.61	-15 34.9	2.101	2.944	13.1	21.1
6 30	20 41.98	-28 53.3	2.458	3.386	8.3	21.2	6 30	20 42.13	-16 28.3	2.014	2.937	10.0	20.9
7 10	20 35.43	-30 21.4	2.409	3.386	5.7	21.0	7 10	20 35.64	-17 32.7	1.950	2.931	6.5	20.7
7 20	20 27.51	-31 46.2	2.387	3.385	3.8	20.9	7 20	20 27.65	-18 44.3	1.912	2.923	2.5	20.4
7 30	20 18.92	-33 1.9	2.394	3.385	4.5	20.9	7 30	20 18.91	-19 58.1	1.903	2.916	1.6	20.3
8 9	20 10.52	-34 4.3	2.430	3.384	6.8	21.1	8 9	20 10.36	-21 8.8	1.922	2.908	5.7	20.6
8 19	20 3.11	-34 51.2	2.491	3.383	9.5	21.3	8 19	20 2.91	-22 12.1	1.967	2.900	9.4	20.8
8 29	19 57.41	-35 22.5	2.577	3.382	11.9	21.4	8 29	19 57.31	-23 5.1	2.037	2.892	12.7	21.0
<b>334008</b>	2000 <i>UP</i> <sub>66</sub>		7 26.1	278°75	1°2/26.7	18	<b>120876</b>	1998 <i>RM</i> <sub>31</sub>		7 26.1	239°57		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>275789</b>	2001 <i>QW</i> <sub>117</sub>		7 26.1 293°17'	1°5'/25.5 18			<b>504117</b>	2006 <i>QM</i> <sub>88</sub>		7 26.1 312°17'	5°6'/24.2 18		
6 20	20 51.21	-22 35.0	1.591	2.455	15.6	20.3	6 20	20 52.49	-30 17.2	1.312	2.191	17.3	20.9
6 30	20 46.51	-22 39.2	1.493	2.428	12.0	20.0	6 30	20 48.01	-30 45.0	1.236	2.176	13.6	20.6
7 10	20 38.95	-22 47.0	1.416	2.401	7.8	19.7	7 10	20 40.11	-31 10.3	1.180	2.162	9.4	20.4
7 20	20 29.08	-22 54.6	1.362	2.374	3.2	19.4	7 20	20 29.55	-31 25.5	1.146	2.149	6.0	20.1
7 30	20 17.97	-22 57.6	1.334	2.346	2.8	19.3	7 30	20 17.78	-31 23.5	1.136	2.136	6.4	20.1
8 9	20 7.03	-22 52.6	1.332	2.319	7.7	19.5	8 9	20 6.59	-31 0.8	1.149	2.123	10.3	20.3
8 19	19 57.64	-22 38.2	1.354	2.291	12.5	19.7	8 19	19 57.61	-30 18.4	1.184	2.111	14.7	20.5
8 29	19 50.94	-22 14.9	1.397	2.264	16.8	19.9	8 29	19 52.00	-29 20.4	1.238	2.100	18.8	20.7
<b>122920</b>	2000 <i>SC</i> <sub>174</sub>		7 26.1 212°18'	0°1'/26.1 18			<b>441346</b>	2008 <i>CS</i> <sub>199</sub>		7 26.1 241°37'	1°8'/25.1 18		
6 20	20 51.74	-19 31.7	2.012	2.856	13.5	20.3	6 20	20 47.67	-23 39.9	2.202	3.056	12.2	21.7
6 30	20 46.00	-19 24.9	1.928	2.852	10.4	20.1	6 30	20 42.79	-24 1.4	2.124	3.054	9.3	21.5
7 10	20 38.07	-19 22.1	1.866	2.847	6.7	19.8	7 10	20 35.97	-24 25.2	2.069	3.052	5.9	21.3
7 20	20 28.57	-19 21.2	1.831	2.842	2.6	19.6	7 20	20 27.76	-24 47.9	2.040	3.050	2.7	21.1
7 30	20 18.39	-19 19.5	1.823	2.836	1.7	19.5	7 30	20 18.96	-25 5.8	2.039	3.048	2.6	21.0
8 9	20 8.59	-19 15.2	1.843	2.830	5.8	19.7	8 9	20 10.52	-25 16.5	2.065	3.045	5.9	21.3
8 19	20 0.11	-19 7.0	1.890	2.824	9.7	20.0	8 19	20 3.26	-25 18.7	2.117	3.043	9.2	21.5
8 29	19 53.75	-18 54.8	1.960	2.817	13.1	20.2	8 29	19 57.89	-25 12.3	2.193	3.041	12.2	21.7
<b>168326</b>	1993 <i>FJ</i> <sub>59</sub>		7 26.1 116°26'	0°2'/26.0 18			<b>245652</b>	2005 <i>YD</i> <sub>146</sub>		7 26.1 352°53'	3°8'/24.8 17		
6 20	20 47.04	-18 29.8	2.301	3.146	12.1	20.9	6 20	20 40.83	-24 3.6	0.830	1.748	20.9	19.7
6 30	20 42.09	-18 48.6	2.231	3.156	9.1	20.8	6 30	20 40.01	-24 33.9	0.775	1.738	16.0	19.4
7 10	20 35.39	-19 12.9	2.184	3.165	5.8	20.6	7 10	20 35.40	-25 10.8	0.735	1.731	10.5	19.1
7 20	20 27.48	-19 39.9	2.164	3.175	2.2	20.3	7 20	20 27.81	-25 46.9	0.713	1.725	5.0	18.8
7 30	20 19.11	-20 6.5	2.171	3.184	1.5	20.3	7 30	20 18.90	-26 13.0	0.710	1.721	5.2	18.8
8 9	20 11.10	-20 30.1	2.207	3.193	5.1	20.6	8 9	20 10.77	-26 22.4	0.727	1.719	10.8	19.1
8 19	20 4.20	-20 48.6	2.269	3.202	8.4	20.8	8 19	20 5.23	-26 13.0	0.761	1.719	16.5	19.4
8 29	19 59.03	-21 1.1	2.356	3.210	11.2	21.0	8 29	20 3.50	-25 46.2	0.812	1.721	21.4	19.7
<b>8219</b>	1996 <i>JL</i>		7 26.1 297°01'	5°5'/29.0 18			<b>323047</b>	2002 <i>RR</i> <sub>140</sub>		7 26.1 355°05'	3°2'/24.4 17		
6 20	20 44.61	-4 41.9	1.876	2.693	15.5	16.9	6 20	20 41.67	-20 40.0	1.064	1.963	18.8	19.1
6 30	20 40.80	-4 19.6	1.782	2.676	12.7	16.6	6 30	20 39.96	-21 54.5	1.003	1.957	14.3	18.8
7 10	20 34.91	-4 13.1	1.708	2.659	9.6	16.4	7 10	20 35.04	-23 22.7	0.960	1.953	9.2	18.5
7 20	20 27.41	-4 23.3	1.656	2.642	6.7	16.2	7 20	20 27.61	-24 56.3	0.938	1.950	4.2	18.2
7 30	20 19.10	-4 49.8	1.630	2.626	5.5	16.1	7 30	20 19.02	-26 23.9	0.938	1.948	4.7	18.2
8 9	20 10.94	-5 29.7	1.630	2.609	7.3	16.2	8 9	20 10.97	-27 35.7	0.961	1.947	9.8	18.5
8 19	20 3.88	-6 19.1	1.654	2.593	10.5	16.3	8 19	20 5.01	-28 25.9	1.004	1.948	14.9	18.8
8 29	19 58.76	-7 12.9	1.701	2.576	13.8	16.5	8 29	20 2.29	-28 53.2	1.065	1.950	19.4	19.1
<b>223531</b>	2004 <i>DH</i> <sub>55</sub>		7 26.1 56°30'	0°7'/26.4 17			<b>381622</b>	2008 <i>XJ</i> <sub>2</sub>		7 26.1 104°50'	1°9'/27.4 17		
6 20	20 49.09	-16 4.4	1.360	2.226	17.6	20.8	6 20	20 49.42	-11 59.7	2.530	3.347	11.9	21.8
6 30	20 44.58	-16 20.5	1.306	2.241	13.4	20.6	6 30	20 43.53	-12 2.0	2.471	3.375	9.2	21.6
7 10	20 37.38	-16 48.1	1.272	2.256	8.7	20.4	7 10	20 36.13	-12 12.4	2.435	3.403	6.2	21.5
7 20	20 28.32	-17 23.3	1.261	2.272	3.5	20.1	7 20	20 27.74	-12 29.5	2.426	3.430	3.2	21.3
7 30	20 18.60	-18 1.1	1.274	2.288	2.0	20.1	7 30	20 19.04	-12 51.1	2.447	3.456	2.1	21.3
8 9	20 9.60	-18 36.3	1.313	2.304	7.0	20.4	8 9	20 10.77	-13 14.9	2.496	3.482	4.6	21.5
8 19	20 2.46	-19 5.4	1.375	2.320	11.6	20.7	8 19	20 3.57	-13 38.8	2.574	3.507	7.5	21.7
8 29	19 58.02	-19 26.4	1.458	2.337	15.5	21.0	8 29	19 57.95	-14 0.8	2.676	3.531	10.0	21.9
<b>254382</b>	2004 <i>TL</i> <sub>170</sub>		7 26.1 256°58'	6°3'/20.9 18			<b>70112</b>	1999 <i>LP</i> <sub>9</sub>		7 26.1 12°53'	4°6'/28.3 18		
6 20	20 49.16	-37 50.5	2.563	3.407	11.0	20.4	6 20	20 42.45	-8 43.3	1.033	1.909	21.1	19.0
6 30	20 44.08	-38 59.8	2.485	3.395	9.0	20.2	6 30	20 40.26	-8 40.4	0.977	1.912	16.8	18.8
7 10	20 36.90	-40 4.2	2.431	3.382	7.2	20.1	7 10	20 35.03	-9 0.9	0.938	1.916	11.9	18.5
7 20	20 28.15	-40 58.1	2.403	3.370	6.3	20.0	7 20	20 27.55	-9 43.9	0.917	1.921	6.8	18.2
7 30	20 18.64	-41 36.2	2.401	3.357	6.9	20.0	7 30	20 19.11	-10 44.7	0.918	1.928	4.7	18.1
8 9	20 9.38	-41 55.7	2.426	3.344	8.7	20.1	8 9	20 11.32	-11 55.2	0.941	1.935	8.4	18.4
8 19	20 1.29	-41 56.2	2.475	3.331	10.8	20.3	8 19	20 5.55	-13 6.9	0.985	1.944	13.4	18.7
8 29	19 55.18	-41 39.5	2.545	3.318	12.9	20.4	8 29	20 2.80	-14 12.6	1.047	1.954	17.9	19.0
<b>234354</b>	2001 <i>HG</i> <sub>47</sub>		7 26.1 80°48'	4°3'/28.7 17			<b>169889</b>	2002 <i>RL</i> <sub>168</sub>		7 26.1 77°42'	1°2'/25.5 17		
6 20	20 48.14	-6 25.4	1.922	2.737	15.2	20.5	6 20	20 49.50	-21 31.0	1.861	2.717	14.0	20.0
6 30	20 43.01	-6 14.7	1.865	2.761	12.1	20.4	6 30	20 44.30	-21 50.6	1.800	2.732	10.6	19.8
7 10	20 35.99	-6 18.7	1.829	2.785	8.8	20.2	7 10	20 36.95	-22 14.2	1.763	2.746	6.7	19.6
7 20	20 27.70	-6 36.8	1.817	2.808	5.6	20.1	7 20	20 28.13	-22 38.1	1.750	2.761	2.7	19.4
7 30	20 19.00	-7 6.9	1.831	2.831	4.4	20.1	7 30	20 18.79	-22 58.4	1.764	2.776	2.3	19.4
8 9	20 10.80	-7 45.4	1.873	2.854	6.3	20.2	8 9	20 10.02	-23 12.1	1.806	2.790	6.2	19.7
8 19	20 3.91	-8 28.4	1.940	2.877	9.3	20.5	8 19	20 2.71	-23 18.0	1.873	2.805	9.9	19.9
8 29	19 58.96	-9 11.9	2.031	2.899	12.2	20.7	8 29	19 57.58	-23 15.9	1.962	2.819	13.1	20.2
<b>12662</b>	1978 <i>CK</i>		7 26.1 196°94'	1°2'/25.6 18			<b>445801</b>	2012 <i>BD</i> <sub>34</sub>		7 26.1 246°68'	3°0'/27.9 18		
6 20	20 51.05	-24 5.3	2.488	3.330	11.3	18.0	6 20	20 45.08	-9 43.8	2.418	3.238	12.3	20.8
6 30	20 45.02	-23 53.9	2.406	3.329	8.6	17.8	6 30	20 40.58	-9 29.5	2.331	3.234	9.8	20.6
7 10	20 37.21	-23 42.4	2.348	3.328	5.5	17.6	7 10	20 34.46	-9 24.7	2.268	3.231	6.9	20.4
7 20	20 28.19	-23 28.5	2.317	3.327	2.3	17.4	7 20	20 27.18	-9 29.1	2.229	3.227	4.1	20.3
7 30	20 18.70	-23 10.6	2.315	3.326	2.0	17.4	7 30	20 19.38	-9 41.4	2.218	3.223	3.1	20.2
8 9	20 9.60	-22 47.5	2.342	3.324	5.2	17.6	8 9	20 11.82	-9 59.5	2.235	3.219	5.2	20.3
8 19	20 1.66	-22 19.3	2.397	3.323	8.3	17.8	8 19	20 5.19	-10 21.2	2.279	3.216	8.1	20.5
8 29	19 55.49	-21 46.8	2.477	3.321	11.1	18.0	8 29	20 0.11	-10 44.0	2.347	3.212	10.9	20.7
<b>38903</b>	2000 <i>SP</i> <sub>160</sub>		7 26.1 279°97'	6°3'/20.8 18			<b>286171</b>	2001 <i>UY</i> <sub>26</sub>		7 26.1 296°84'			

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>87645</b>	2000 <i>RK</i> <sub>77</sub>		7 26.1 313°38	0°4/25.9	18		<b>351055</b>	2003 <i>SV</i> <sub>273</sub>		7 26.1 330°26	5°7/29.2	18	
6 20	20 44.71	-17 12.1	1.468	2.338	16.3	18.9	6 20	20 40.44	-5 21.0	1.368	2.216	18.5	20.0
6 30	20 41.62	-17 48.0	1.380	2.318	12.6	18.6	6 30	20 38.39	-5 15.3	1.279	2.195	15.2	19.7
7 10	20 35.84	-18 36.9	1.312	2.298	8.1	18.3	7 10	20 33.79	-5 32.0	1.209	2.174	11.3	19.4
7 20	20 27.92	-19 34.8	1.267	2.279	3.1	17.9	7 20	20 27.17	-6 12.4	1.159	2.154	7.5	19.1
7 30	20 18.86	-20 35.8	1.247	2.260	2.2	17.8	7 30	20 19.44	-7 14.8	1.132	2.135	5.7	19.0
8 9	20 9.99	-21 33.3	1.252	2.242	7.4	18.1	8 9	20 11.87	-8 33.6	1.127	2.117	8.2	19.1
8 19	20 2.60	-22 21.9	1.280	2.224	12.4	18.3	8 19	20 5.70	-10 1.2	1.146	2.100	12.5	19.2
8 29	19 57.80	-22 58.5	1.328	2.207	16.7	18.5	8 29	20 2.03	-11 29.2	1.185	2.085	16.8	19.5
<b>11850</b>	1988 <i>EY</i> <sub>1</sub>		7 26.1 147°31	6°2/22.7	18		<b>56244</b>	1999 <i>JH</i> <sub>62</sub>		7 26.1 85°67	1°4/25.4	18	
6 20	20 54.20	-35 46.6	2.056	2.905	13.1	18.2	6 20	20 49.82	-20 12.1	1.692	2.552	15.0	18.8
6 30	20 48.06	-36 36.3	1.994	2.911	10.5	18.1	6 30	20 44.78	-20 55.5	1.636	2.569	11.3	18.6
7 10	20 39.47	-37 19.7	1.954	2.916	7.9	17.9	7 10	20 37.40	-21 45.6	1.601	2.585	7.2	18.4
7 20	20 29.15	-37 50.6	1.939	2.921	6.3	17.9	7 20	20 28.38	-22 37.3	1.591	2.602	2.8	18.2
7 30	20 18.19	-38 4.0	1.950	2.925	6.8	17.9	7 30	20 18.77	-23 24.9	1.607	2.618	2.6	18.2
8 9	20 7.82	-37 57.6	1.988	2.929	9.0	18.0	8 9	20 9.75	-24 4.1	1.650	2.634	6.7	18.5
8 19	19 59.11	-37 32.7	2.050	2.933	11.6	18.2	8 19	20 2.31	-24 32.3	1.718	2.650	10.6	18.8
8 29	19 52.86	-36 52.2	2.134	2.937	14.1	18.4	8 29	19 57.23	-24 48.9	1.809	2.666	14.0	19.0
<b>130121</b>	1999 <i>XH</i> <sub>86</sub>		7 26.1 300°93	2°1/26.9	18		<b>278275</b>	2007 <i>GF</i> <sub>2</sub>		7 26.1 242°56	1°0/26.7	17	
6 20	20 48.73	-15 13.0	1.728	2.578	15.2	18.9	6 20	20 48.34	-15 23.9	1.781	2.630	14.8	21.5
6 30	20 44.17	-14 45.7	1.636	2.560	11.9	18.6	6 30	20 43.73	-15 33.7	1.700	2.625	11.5	21.3
7 10	20 37.19	-14 25.6	1.565	2.542	8.0	18.4	7 10	20 36.84	-15 53.4	1.640	2.619	7.5	21.0
7 20	20 28.37	-14 12.0	1.517	2.525	3.9	18.1	7 20	20 28.23	-16 20.3	1.604	2.614	3.2	20.7
7 30	20 18.63	-14 3.4	1.496	2.508	2.6	17.9	7 30	20 18.85	-16 51.1	1.595	2.608	1.9	20.6
8 9	20 9.15	-13 58.1	1.501	2.490	6.6	18.2	8 9	20 9.78	-17 21.9	1.612	2.602	6.2	20.9
8 19	20 1.02	-13 54.3	1.531	2.474	10.9	18.4	8 19	20 2.07	-17 49.5	1.655	2.596	10.3	21.1
8 29	19 55.17	-13 50.5	1.583	2.457	14.7	18.6	8 29	19 56.56	-18 11.7	1.721	2.590	14.0	21.3
<b>253691</b>	2003 <i>UQ</i> <sub>257</sub>		7 26.1 306°20	5°2/28.4	17		<b>434106</b>	2002 <i>NU</i> <sub>57</sub>		7 26.1 352°46	4°6/27.8	17	
6 20	20 45.60	-7 52.0	1.341	2.191	18.7	20.4	6 20	20 44.12	-11 5.5	1.332	2.195	18.1	20.7
6 30	20 42.38	-7 32.6	1.256	2.175	15.2	20.1	6 30	20 41.07	-10 19.1	1.260	2.188	14.4	20.4
7 10	20 36.38	-7 31.7	1.190	2.159	11.0	19.8	7 10	20 35.38	-9 45.7	1.207	2.181	10.2	20.2
7 20	20 28.16	-7 50.3	1.145	2.143	6.9	19.6	7 20	20 27.72	-9 26.1	1.175	2.176	6.2	19.9
7 30	20 18.78	-8 26.9	1.123	2.128	5.3	19.4	7 30	20 19.19	-9 20.1	1.166	2.172	4.8	19.8
8 9	20 9.62	-9 16.9	1.124	2.113	8.3	19.6	8 9	20 11.09	-9 25.3	1.180	2.170	7.9	20.0
8 19	20 2.03	-10 14.4	1.148	2.099	12.9	19.8	8 19	20 4.65	-9 38.4	1.217	2.169	12.2	20.2
8 29	19 57.13	-11 12.9	1.192	2.085	17.3	20.0	8 29	20 0.79	-9 55.4	1.275	2.169	16.2	20.5
<b>435712</b>	2008 <i>UO</i> <sub>21</sub>		7 26.1 122°93	6°4/30.0	17		<b>106877</b>	2000 <i>YU</i> <sub>34</sub>		7 26.1 143°61	0°3/25.9	18	
6 20	20 46.71	-1 10.9	1.960	2.753	15.7	21.5	6 20	20 51.25	-17 42.7	1.779	2.628	14.8	19.6
6 30	20 42.11	-0 44.9	1.886	2.760	13.1	21.3	6 30	20 45.84	-18 15.4	1.711	2.637	11.3	19.4
7 10	20 35.58	-0 36.5	1.832	2.767	10.2	21.0	7 10	20 38.10	-18 56.6	1.664	2.646	7.2	19.1
7 20	20 27.67	-0 46.9	1.801	2.773	7.6	21.2	7 20	20 28.69	-19 42.3	1.643	2.654	2.8	18.9
7 30	20 19.18	-1 15.1	1.796	2.780	6.4	21.0	7 30	20 18.61	-20 27.5	1.649	2.662	1.9	18.8
8 9	20 11.02	-1 58.3	1.816	2.786	7.6	21.1	8 9	20 8.99	-21 7.8	1.682	2.669	6.3	19.1
8 19	20 4.05	-2 52.0	1.862	2.792	10.1	21.2	8 19	20 0.86	-21 40.2	1.741	2.675	10.3	19.4
8 29	19 58.96	-3 51.1	1.932	2.797	12.8	21.4	8 29	19 55.02	-22 3.2	1.823	2.681	13.8	19.6
<b>49731</b>	1999 <i>VR</i> <sub>80</sub>		7 26.1 159°51	2°4/27.5	18		<b>514631</b>	2004 <i>TQ</i> <sub>154</sub>		7 26.1 233°26	6°9/21.3	18	
6 20	20 49.84	-11 5.9	1.907	2.737	14.8	19.6	6 20	20 51.44	-40 26.8	2.484	3.322	11.5	21.9
6 30	20 44.59	-11 18.3	1.832	2.743	11.5	19.4	6 30	20 45.83	-41 23.1	2.416	3.318	9.5	21.7
7 10	20 37.22	-11 43.2	1.778	2.749	7.9	19.2	7 10	20 38.03	-42 11.8	2.371	3.314	7.7	21.6
7 20	20 28.32	-12 18.7	1.749	2.754	4.1	19.0	7 20	20 28.65	-42 47.1	2.351	3.310	6.9	21.6
7 30	20 18.76	-13 1.6	1.748	2.758	2.6	18.9	7 30	20 18.63	-43 4.4	2.358	3.306	7.4	21.6
8 9	20 9.58	-13 47.7	1.774	2.762	5.9	19.1	8 9	20 9.02	-43 1.8	2.390	3.302	9.0	21.7
8 19	20 1.70	-14 33.1	1.826	2.765	9.7	19.3	8 19	20 0.80	-42 40.0	2.446	3.298	11.0	21.8
8 29	19 55.88	-15 14.5	1.903	2.768	13.0	19.6	8 29	19 54.73	-42 1.6	2.523	3.293	13.0	22.0
<b>468783</b>	2012 <i>BX</i> <sub>4</sub>		7 26.1 69°89	1°1/25.6	17		<b>211065</b>	2002 <i>CQ</i> <sub>168</sub>		7 26.1 92°92	3°1/24.5	17	
6 20	20 51.03	-19 1.5	1.349	2.217	17.5	21.1	6 20	20 50.00	-22 13.7	1.390	2.263	16.8	20.0
6 30	20 46.12	-19 43.5	1.300	2.237	13.2	20.9	6 30	20 45.65	-23 21.7	1.327	2.267	12.8	19.7
7 10	20 38.42	-20 34.7	1.271	2.257	8.4	20.7	7 10	20 38.38	-24 38.0	1.285	2.271	8.2	19.5
7 20	20 28.79	-21 29.1	1.265	2.277	3.2	20.4	7 20	20 28.90	-25 54.9	1.266	2.275	3.9	19.3
7 30	20 18.52	-22 20.0	1.285	2.297	2.6	20.4	7 30	20 18.48	-27 3.9	1.272	2.279	4.3	19.3
8 9	20 9.05	-23 1.7	1.329	2.317	7.5	20.8	8 9	20 8.59	-27 58.0	1.303	2.283	8.6	19.6
8 19	20 1.55	-23 31.5	1.397	2.336	12.0	21.1	8 19	20 0.59	-28 34.0	1.358	2.287	13.1	19.8
8 29	19 56.86	-23 48.6	1.487	2.356	15.8	21.4	8 29	19 55.48	-28 51.9	1.432	2.291	16.9	20.1
<b>404130</b>	2013 <i>BF</i> <sub>28</sub>		7 26.1 92°09	3°1/23.8	16		<b>336262</b>	2008 <i>SD</i> <sub>167</sub>		7 26.1 283°57	6°8/29.9	18	
6 20	20 47.45	-25 44.9	2.324	3.178	11.6	21.3	6 20	20 45.18	-1 11.3	1.828	2.630	16.4	21.0
6 30	20 42.52	-26 49.5	2.266	3.195	8.8	21.1	6 30	20 41.39	-0 52.0	1.730	2.610	13.8	20.8
7 10	20 35.76	-27 55.7	2.232	3.212	5.8	20.9	7 10	20 35.42	-0 52.0	1.651	2.590	10.8	20.5
7 20	20 27.71	-28 58.4	2.225	3.229	3.3	20.8	7 20	20 27.75	-1 13.0	1.594	2.570	8.1	20.3
7 30	20 19.18	-29 52.9	2.246	3.245	3.8	20.9	7 30	20 19.16	-1 54.9	1.562	2.550	6.8	20.2
8 9	20 11.02	-30 35.6	2.295	3.262	6.4	21.1	8 9	20 10.66	-2 54.5	1.555	2.529	8.1	20.2
8 19	20 4.03	-31 5.0	2.370	3.278	9.2	21.3	8 19	20 3.25	-4 6.9	1.573	2.509	11.1	20.4
8 29	19 58.86	-31 21.3	2.468	3.294	11.7	21.5	8 29	19 57.84	-5 25.5	1.614	2.488	14.5	20.5
<b>362369</b>	2010 <i>NC</i> <sub>45</sub>		7 26.1 216°07	6°5/30.9	18		<b>255176</b>	2005 <i>UL</i> <sub>236</sub>		7 26			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>420340</b>	2012 <i>BD</i> <sub>30</sub>		7 26.1 229°14	1°6/26.9	17		<b>335515</b>	2005 <i>YP</i> <sub>182</sub>		7 26.2 177°01	3°1/27.9	18	
6 20	20 50.65	-14 5.7	1.582	2.430	16.4	21.9	6 20	20 48.97	-10 0.3	2.105	2.927	13.8	21.0
6 30	20 45.82	-14 13.4	1.499	2.423	12.8	21.7	6 30	20 43.78	-9 51.2	2.024	2.929	10.9	20.8
7 10	20 38.37	-14 33.4	1.437	2.415	8.5	21.4	7 10	20 36.66	-9 53.1	1.965	2.930	7.7	20.6
7 20	20 28.90	-15 3.2	1.398	2.407	3.9	21.1	7 20	20 28.16	-10 5.3	1.931	2.931	4.4	20.5
7 30	20 18.46	-15 39.0	1.385	2.398	2.3	21.0	7 30	20 19.05	-10 25.9	1.925	2.931	3.2	20.4
8 9	20 8.34	-16 16.3	1.399	2.389	6.8	21.2	8 9	20 10.25	-10 52.3	1.946	2.931	5.7	20.5
8 19	19 59.74	-16 51.1	1.437	2.379	11.5	21.5	8 19	20 2.60	-11 21.4	1.994	2.931	9.1	20.7
8 29	19 53.66	-17 20.4	1.497	2.369	15.5	21.7	8 29	19 56.80	-11 50.5	2.066	2.929	12.2	20.9
<b>379379</b>	2009 <i>XT</i> <sub>3</sub>		7 26.1 178°96	4°7/22.8	18		<b>249762</b>	2000 <i>UM</i> <sub>37</sub>		7 26.2 267°80	7°7/31.1	18	
6 20	20 51.98	-30 35.7	2.265	3.114	12.1	22.2	6 20	20 44.25	+ 4 12.5	2.387	3.142	14.3	20.5
6 30	20 46.25	-31 46.1	2.194	3.116	9.4	22.0	6 30	20 40.12	+ 4 52.1	2.291	3.129	12.4	20.3
7 10	20 38.34	-32 55.6	2.146	3.118	6.6	21.8	7 10	20 34.32	+ 5 15.0	2.215	3.115	10.3	20.2
7 20	20 28.81	-33 58.2	2.125	3.118	4.8	21.7	7 20	20 27.27	+ 5 19.0	2.161	3.102	8.5	20.0
7 30	20 18.55	-34 48.1	2.133	3.118	5.4	21.8	7 30	20 19.59	+ 5 3.3	2.133	3.088	7.7	19.9
8 9	20 8.62	-35 21.8	2.167	3.118	7.8	21.9	8 9	20 12.04	+ 4 29.3	2.129	3.074	8.3	20.0
8 19	19 59.98	-35 38.1	2.228	3.116	10.6	22.1	8 19	20 5.34	+ 3 40.0	2.151	3.060	10.0	20.0
8 29	19 53.43	-35 38.4	2.311	3.114	13.1	22.3	8 29	20 0.16	+ 2 40.1	2.197	3.046	12.1	20.2
<b>93254</b>	2000 <i>SF</i> <sub>161</sub>		7 26.1 218°28	3°7/22.9	18		<b>264328</b>	1999 <i>UA</i> <sub>21</sub>		7 26.2 331°37	0°7/25.7	18	
6 20	20 47.21	-29 15.4	2.746	3.595	10.2	19.3	6 20	20 44.12	-19 22.8	1.809	2.673	14.0	20.8
6 30	20 42.32	-30 18.3	2.663	3.588	7.9	19.2	6 30	20 40.61	-19 48.8	1.725	2.660	10.7	20.6
7 10	20 35.69	-31 21.6	2.606	3.580	5.5	19.0	7 10	20 34.91	-20 22.4	1.663	2.648	6.8	20.3
7 20	20 27.76	-32 20.5	2.576	3.572	3.8	18.9	7 20	20 27.56	-21 0.0	1.625	2.637	2.6	20.0
7 30	20 19.22	-33 10.8	2.574	3.564	4.3	18.9	7 30	20 19.41	-21 37.2	1.613	2.626	2.0	20.0
8 9	20 10.84	-33 49.1	2.601	3.555	6.5	19.0	8 9	20 11.54	-22 9.9	1.628	2.616	6.3	20.2
8 19	20 3.41	-34 14.1	2.654	3.546	8.9	19.2	8 19	20 4.94	-22 35.1	1.667	2.606	10.4	20.5
8 29	19 57.57	-34 25.7	2.731	3.537	11.2	19.3	8 29	20 0.43	-22 51.1	1.728	2.597	14.0	20.7
<b>433312</b>	2013 <i>PJ</i> <sub>38</sub>		7 26.1 301°85	11°6/23.5	18		<b>192253</b>	2008 <i>FK</i> <sub>80</sub>		7 26.2 137°02	1°5/27.3	18	
6 20	21 9.75	-45 8.7	1.424	2.262	18.5	21.1	6 20	20 45.89	-12 55.7	2.549	3.375	11.6	21.5
6 30	21 2.06	-45 37.3	1.334	2.232	15.9	20.8	6 30	20 41.11	-13 5.2	2.473	3.384	8.9	21.3
7 10	20 49.64	-45 47.9	1.263	2.202	13.4	20.6	7 10	20 34.79	-13 22.9	2.420	3.392	6.0	21.1
7 20	20 33.47	-45 27.3	1.212	2.172	11.8	20.4	7 20	20 27.40	-13 47.1	2.394	3.400	2.9	21.0
7 30	20 15.66	-44 24.9	1.185	2.143	12.1	20.4	7 30	20 19.57	-14 15.5	2.396	3.408	1.8	20.9
8 9	19 58.86	-42 38.5	1.181	2.113	14.5	20.4	8 9	20 12.03	-14 45.6	2.427	3.415	4.6	21.1
8 19	19 45.35	-40 15.8	1.200	2.084	17.9	20.5	8 19	20 5.44	-15 14.9	2.486	3.422	7.5	21.3
8 29	19 36.52	-37 29.7	1.239	2.056	21.5	20.7	8 29	20 0.33	-15 41.5	2.569	3.429	10.2	21.5
<b>265539</b>	2005 <i>NQ</i> <sub>89</sub>		7 26.1 326°49	1°4/25.7	18		<b>32646</b>	3010 <i>P-L</i>		7 26.2 332°84	6°9/29.8	18	
6 20	20 49.08	-22 21.8	1.301	2.180	17.4	19.6	6 20	20 44.19	- 1 51.1	1.857	2.663	16.0	17.8
6 30	20 45.21	-22 19.6	1.224	2.167	13.4	19.3	6 30	20 40.46	- 1 8.2	1.774	2.655	13.4	17.6
7 10	20 38.26	-22 21.4	1.166	2.154	8.7	19.0	7 10	20 34.71	- 0 41.9	1.710	2.648	10.6	17.4
7 20	20 28.93	-22 23.4	1.131	2.142	3.5	18.7	7 20	20 27.46	- 0 34.4	1.668	2.641	8.0	17.3
7 30	20 18.50	-22 21.0	1.119	2.131	2.8	18.6	7 30	20 19.50	- 0 45.9	1.651	2.635	7.0	17.2
8 9	20 8.54	-22 11.1	1.131	2.121	8.1	18.9	8 9	20 11.79	- 1 14.5	1.659	2.628	8.2	17.3
8 19	20 0.52	-21 52.7	1.166	2.111	13.2	19.1	8 19	20 5.22	- 1 56.2	1.691	2.623	10.8	17.4
8 29	19 55.52	-21 26.4	1.220	2.103	17.6	19.4	8 29	20 0.57	- 2 46.1	1.746	2.618	13.7	17.6
<b>170053</b>	2002 <i>VH</i> <sub>65</sub>		7 26.1 332°72	1°6/25.2	18		<b>66770</b>	1999 <i>TH</i> <sub>207</sub>		7 26.2 130°60	7°0/30.7	18	
6 20	20 45.62	-20 46.6	1.706	2.573	14.5	19.5	6 20	20 46.39	+ 3 0.6	2.597	3.348	13.3	18.5
6 30	20 41.86	-21 26.3	1.629	2.566	11.1	19.3	6 30	20 41.44	+ 3 52.8	2.519	3.356	11.4	18.3
7 10	20 35.75	-22 13.5	1.574	2.560	7.1	19.0	7 10	20 34.99	+ 4 30.4	2.463	3.363	9.4	18.2
7 20	20 27.87	-23 3.3	1.542	2.554	2.9	18.8	7 20	20 27.48	+ 4 51.6	2.430	3.370	7.7	18.1
7 30	20 19.18	-23 50.4	1.537	2.548	2.7	18.8	7 30	20 19.53	+ 4 55.8	2.424	3.377	7.0	18.1
8 9	20 10.81	-24 29.8	1.557	2.542	6.9	19.0	8 9	20 11.83	+ 4 44.1	2.444	3.384	7.6	18.1
8 19	20 3.85	-24 58.5	1.602	2.537	11.0	19.2	8 19	20 5.02	+ 4 19.0	2.489	3.391	9.1	18.2
8 29	19 59.17	-25 15.3	1.669	2.533	14.6	19.5	8 29	19 59.65	+ 3 43.9	2.559	3.397	11.0	18.4
<b>46610</b>	Bésixdouze		7 26.1 298°00	1°6/26.9	18		<b>65554</b>	1350 <i>T-2</i>		7 26.2 10°90	1°0/26.7	18	
6 20	20 47.12	-14 22.4	1.340	2.206	17.8	18.7	6 20	20 44.67	-15 39.9	1.722	2.580	14.8	19.0
6 30	20 43.73	-14 30.4	1.251	2.185	14.0	18.4	6 30	20 40.93	-15 46.9	1.652	2.582	11.4	18.8
7 10	20 37.39	-14 52.7	1.181	2.164	9.4	18.1	7 10	20 35.02	-16 3.3	1.604	2.585	7.5	18.5
7 20	20 28.66	-15 27.4	1.133	2.143	4.2	17.7	7 20	20 27.57	-16 26.9	1.579	2.589	3.2	18.3
7 30	20 18.62	-16 10.2	1.109	2.122	2.4	17.5	7 30	20 19.48	-16 54.2	1.580	2.593	1.8	18.2
8 9	20 8.73	-16 55.4	1.109	2.102	7.7	17.8	8 9	20 11.80	-17 21.5	1.606	2.598	6.0	18.5
8 19	20 0.46	-17 37.7	1.132	2.082	13.1	18.0	8 19	20 5.49	-17 45.9	1.658	2.603	10.0	18.7
8 29	19 55.03	-18 13.2	1.175	2.062	17.8	18.3	8 29	20 1.29	-18 5.0	1.732	2.609	13.5	19.0
<b>416701</b>	2005 <i>AA</i> <sub>45</sub>		7 26.1 179°18	1°5/25.4	17		<b>215345</b>	2001 <i>VX</i> <sub>90</sub>		7 26.2 265°57	3°8/23.2	18	
6 20	20 53.74	-21 46.5	1.825	2.675	14.5	22.3	6 20	20 47.60	-27 10.9	2.271	3.127	11.8	20.2
6 30	20 47.80	-22 10.3	1.749	2.677	11.0	22.0	6 30	20 43.06	-28 20.3	2.180	3.110	9.1	20.0
7 10	20 39.42	-22 38.6	1.696	2.678	7.1	21.8	7 10	20 36.42	-29 32.7	2.114	3.092	6.2	19.8
7 20	20 29.26	-23 7.2	1.668	2.679	2.9	21.5	7 20	20 28.17	-30 42.8	2.074	3.075	4.0	19.6
7 30	20 18.34	-23 31.4	1.668	2.679	2.5	21.5	7 30	20 19.06	-31 44.5	2.061	3.057	4.6	19.6
8 9	20 7.87	-23 47.7	1.695	2.678	6.7	21.8	8 9	20 10.08	-32 33.4	2.076	3.038	7.3	19.7
8 19	19 58.94	-23 54.6	1.748	2.676	10.7	22.0	8 19	20 2.16	-33 7.0	2.117	3.020	10.4	19.9
8 29	19 52.39	-23 52.2	1.824	2.674	14.2	22.2	8 29	19 56.15	-33 25.0	2.181	3.001	13.2	20.0
<b>321244</b>	2009 <i>BQ</i> <sub>106</sub>		7 26.1 155°57	0°7/26.6	18		<b>9545</b>	Petrovedomosti		7 26.2 352°			



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>74050</b>	1998 <i>HF</i> <sub>127</sub>		7 26.2 210°67	4.2/28.2	18		<b>429716</b>	2011 <i>JH</i> <sub>12</sub>		7 26.2 43°22	7.6/31.3	17	
6 20	20 49.70	- 8 9.8	1.737	2.563	16.1	20.6	6 20	20 44.72	+ 0 51.7	1.427	2.240	19.7	20.1
6 30	20 44.82	- 7 58.2	1.654	2.558	12.9	20.4	6 30	20 41.13	+ 0 55.8	1.374	2.259	16.3	19.9
7 10	20 37.60	- 8 1.4	1.591	2.554	9.3	20.2	7 10	20 35.21	+ 0 33.0	1.339	2.279	12.7	19.8
7 20	20 28.62	- 8 19.2	1.551	2.548	5.7	19.9	7 20	20 27.67	- 0 16.7	1.324	2.299	9.4	19.6
7 30	20 18.82	- 8 49.7	1.538	2.543	4.3	19.8	7 30	20 19.55	- 1 30.2	1.332	2.320	7.6	19.6
8 9	20 9.31	- 9 29.3	1.551	2.536	6.9	20.0	8 9	20 12.00	- 3 0.7	1.365	2.342	8.7	19.7
8 19	20 1.14	-10 13.6	1.589	2.530	10.7	20.2	8 19	20 6.02	- 4 39.8	1.421	2.364	11.5	19.9
8 29	19 55.19	-10 58.4	1.650	2.522	14.3	20.4	8 29	20 2.37	- 6 19.0	1.499	2.386	14.7	20.2
<b>254947</b>	2005 <i>SH</i> <sub>184</sub>		7 26.2 83°23	2.5/27.8	18		<b>440957</b>	2007 <i>BL</i> <sub>27</sub>		7 26.2 189°80	0.6/26.7	18	
6 20	20 45.41	-10 51.1	2.198	3.027	13.1	21.3	6 20	20 45.01	-13 53.4	2.784	3.611	10.7	21.6
6 30	20 40.99	-10 50.6	2.123	3.033	10.3	21.1	6 30	20 40.46	-14 37.4	2.696	3.610	8.2	21.4
7 10	20 34.84	-11 0.6	2.069	3.038	7.1	20.9	7 10	20 34.44	-15 30.0	2.633	3.608	5.4	21.2
7 20	20 27.47	-11 19.9	2.041	3.043	3.9	20.7	7 20	20 27.33	-16 28.7	2.597	3.606	2.3	21.0
7 30	20 19.58	-11 46.3	2.040	3.049	2.7	20.7	7 30	20 19.73	-17 30.2	2.591	3.604	1.2	20.9
8 9	20 12.01	-12 17.0	2.066	3.054	5.2	20.8	8 9	20 12.29	-18 30.9	2.614	3.601	4.3	21.2
8 19	20 5.50	-12 49.1	2.119	3.059	8.5	21.0	8 19	20 5.65	-19 27.7	2.666	3.598	7.3	21.3
8 29	20 0.68	-13 19.9	2.196	3.065	11.4	21.2	8 29	20 0.36	-20 18.3	2.743	3.595	9.9	21.5
<b>225317</b>	1997 <i>SK</i> <sub>18</sub>		7 26.2 333°50	1.1/25.8	18		<b>183844</b>	2004 <i>BD</i> <sub>113</sub>		7 26.2 265°41	0.7/26.6	18	
6 20	20 43.88	-20 37.2	1.159	2.051	18.2	19.9	6 20	20 46.00	-15 12.6	2.006	2.852	13.5	20.6
6 30	20 41.62	-20 45.9	1.081	2.031	14.1	19.6	6 30	20 41.79	-15 39.1	1.922	2.846	10.4	20.4
7 10	20 36.20	-21 2.8	1.021	2.012	9.1	19.3	7 10	20 35.56	-16 15.4	1.860	2.840	6.8	20.1
7 20	20 28.25	-21 23.9	0.981	1.994	3.6	18.9	7 20	20 27.84	-16 59.0	1.824	2.833	2.8	19.9
7 30	20 19.02	-21 43.7	0.964	1.977	2.8	18.8	7 30	20 19.41	-17 46.0	1.814	2.827	1.6	19.8
8 9	20 10.14	-21 57.1	0.969	1.962	8.6	19.1	8 9	20 11.23	-18 32.1	1.832	2.821	5.6	20.0
8 19	20 3.17	-22 0.8	0.995	1.948	14.1	19.3	8 19	20 4.20	-19 13.9	1.875	2.814	9.4	20.2
8 29	19 59.36	-21 53.9	1.040	1.936	18.9	19.6	8 29	19 59.06	-19 48.8	1.943	2.808	12.8	20.4
<b>347965</b>	2003 <i>RZ</i> <sub>9</sub>		7 26.2 328°27	1.8/27.2	18		<b>100993</b>	1998 <i>QG</i> <sub>39</sub>		7 26.2 329°50	5.8/24.2	18	
6 20	20 40.42	-11 23.1	1.333	2.203	17.7	19.8	6 20	20 47.80	-30 43.0	1.288	2.175	17.1	18.1
6 30	20 38.59	-12 4.8	1.242	2.177	13.9	19.5	6 30	20 44.76	-31 5.1	1.200	2.144	13.5	17.8
7 10	20 34.11	-13 8.7	1.170	2.152	9.4	19.1	7 10	20 38.34	-31 24.2	1.131	2.114	9.5	17.5
7 20	20 27.43	-14 32.3	1.119	2.128	4.4	18.8	7 20	20 29.16	-31 33.2	1.083	2.086	6.3	17.3
7 30	20 19.51	-16 9.8	1.092	2.105	2.4	18.6	7 30	20 18.52	-31 24.7	1.058	2.058	6.7	17.2
8 9	20 11.68	-17 52.2	1.089	2.084	7.5	18.8	8 9	20 8.21	-30 54.5	1.055	2.032	10.6	17.3
8 19	20 5.28	-19 30.2	1.109	2.063	12.8	19.1	8 19	19 59.91	-30 3.1	1.073	2.007	15.3	17.5
8 29	20 1.53	-20 56.4	1.149	2.044	17.6	19.3	8 29	19 54.95	-28 54.4	1.110	1.984	19.6	17.7
<b>166878</b>	2002 <i>XV</i> <sub>78</sub>		7 26.2 187°38	7.9/27.5	16		<b>429607</b>	2011 <i>FD</i> <sub>7</sub>		7 26.2 90°40	3.5/28.2	17	
6 20	20 59.43	- 8 37.3	1.212	2.048	21.1	20.2	6 20	20 47.46	- 8 37.3	1.704	2.537	16.1	21.5
6 30	20 53.92	- 6 49.2	1.142	2.049	17.3	20.0	6 30	20 43.01	- 8 44.4	1.636	2.547	12.7	21.3
7 10	20 43.50	- 5 12.0	1.089	2.048	12.9	19.7	7 10	20 36.35	- 9 7.3	1.589	2.556	8.9	21.0
7 20	20 31.00	- 3 50.8	1.059	2.048	9.1	19.5	7 20	20 28.13	- 9 44.4	1.565	2.565	5.1	20.8
7 30	20 17.38	- 2 49.8	1.053	2.047	8.1	19.4	7 30	20 19.26	-10 32.6	1.567	2.575	3.6	20.8
8 9	20 4.39	- 2 10.7	1.071	2.045	10.9	19.6	8 9	20 10.83	-11 26.9	1.596	2.584	6.4	21.0
8 19	19 53.62	- 1 51.9	1.111	2.043	15.1	19.8	8 19	20 3.80	-12 22.6	1.649	2.593	10.1	21.2
8 29	19 46.22	- 1 49.1	1.172	2.041	19.2	20.1	8 29	19 58.92	-13 15.3	1.726	2.602	13.6	21.4
<b>63769</b>	2001 <i>QU</i> <sub>291</sub>		7 26.2 263°77	0.3/26.0	18		<b>376223</b>	2011 <i>EB</i> <sub>24</sub>		7 26.2 214°95	0.5/26.5	17	
6 20	20 49.54	-18 41.2	1.787	2.640	14.6	19.2	6 20	20 49.49	-15 59.2	1.906	2.750	14.2	22.1
6 30	20 44.86	-18 59.1	1.695	2.625	11.2	18.9	6 30	20 44.56	-16 21.5	1.821	2.744	10.9	21.9
7 10	20 37.74	-19 24.8	1.626	2.608	7.3	18.7	7 10	20 37.40	-16 53.3	1.759	2.738	7.1	21.6
7 20	20 28.73	-19 55.0	1.581	2.592	2.8	18.4	7 20	20 28.57	-17 31.7	1.721	2.731	2.9	21.4
7 30	20 18.78	-20 25.4	1.562	2.575	1.9	18.3	7 30	20 18.96	-18 12.7	1.711	2.724	1.7	21.3
8 9	20 9.03	-20 51.9	1.570	2.558	6.5	18.5	8 9	20 9.62	-18 52.1	1.728	2.717	6.0	21.5
8 19	20 0.63	-21 11.9	1.604	2.541	10.9	18.7	8 19	20 1.55	-19 26.6	1.772	2.709	10.0	21.8
8 29	19 54.51	-21 23.8	1.660	2.523	14.7	18.9	8 29	19 55.58	-19 54.0	1.838	2.700	13.6	22.0
<b>256442</b>	2007 <i>CJ</i> <sub>22</sub>		7 26.2 232°38	2.0/25.2	18		<b>476849</b>	2008 <i>UY</i> <sub>322</sub>		7 26.2 253°39	1.7/25.3	18	
6 20	20 50.59	-25 49.1	2.421	3.267	11.5	20.7	6 20	20 50.75	-22 52.1	2.105	2.954	12.8	22.6
6 30	20 44.90	-25 52.7	2.336	3.262	8.8	20.5	6 30	20 45.48	-23 14.2	2.009	2.936	9.8	22.4
7 10	20 37.34	-25 55.9	2.276	3.256	5.7	20.3	7 10	20 38.00	-23 39.8	1.936	2.918	6.4	22.1
7 20	20 28.45	-25 55.7	2.242	3.250	2.7	20.1	7 20	20 28.82	-24 5.1	1.889	2.899	2.8	21.9
7 30	20 19.03	-25 49.6	2.236	3.244	2.6	20.1	7 30	20 18.80	-24 26.3	1.870	2.880	2.6	21.8
8 9	20 9.95	-25 36.0	2.259	3.238	5.6	20.3	8 9	20 8.97	-24 40.0	1.878	2.860	6.3	22.0
8 19	20 2.04	-25 14.8	2.309	3.231	8.8	20.5	8 19	20 0.33	-24 44.7	1.913	2.839	10.0	22.2
8 29	19 55.94	-24 46.6	2.384	3.225	11.6	20.6	8 29	19 53.74	-24 40.1	1.971	2.818	13.4	22.4
<b>278377</b>	2007 <i>LJ</i> <sub>20</sub>		7 26.2 85°02	3.0/27.9	17		<b>127307</b>	2002 <i>JT</i> <sub>88</sub>		7 26.2 108°86	4.5/23.1	18	
6 20	20 49.03	- 9 50.8	1.760	2.592	15.7	21.1	6 20	20 49.60	-32 39.3	2.510	3.358	11.1	20.3
6 30	20 43.99	- 9 58.0	1.702	2.613	12.3	20.9	6 30	20 44.14	-33 27.1	2.451	3.371	8.6	20.2
7 10	20 36.84	-10 19.2	1.665	2.634	8.5	20.7	7 10	20 36.83	-34 11.4	2.416	3.384	6.2	20.0
7 20	20 28.26	-10 52.4	1.652	2.654	4.6	20.5	7 20	20 28.26	-34 47.5	2.407	3.397	4.6	20.0
7 30	20 19.18	-11 34.3	1.666	2.674	3.1	20.5	7 30	20 19.21	-35 11.7	2.426	3.409	5.0	20.0
8 9	20 10.63	-12 20.4	1.706	2.694	6.1	20.7	8 9	20 10.60	-35 21.8	2.472	3.421	7.0	20.2
8 19	20 3.52	-13 6.6	1.772	2.714	9.7	20.9	8 19	20 3.21	-35 17.7	2.544	3.433	9.4	20.3
8 29	19 58.53	-13 49.5	1.862	2.733	13.0	21.2	8 29	19 57.66	-35 0.9	2.639	3.445	11.6	20.5
<b>440460</b> </													

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>137961</b>	2000 <i>CO</i> <sub>19</sub>		7 26.2 145°12	2°3/27.5	18		<b>357157</b>	2002 <i>CM</i> <sub>85</sub>		7 26.2 125°35	0°8/25.7	18	
6 20	20 49.12	-11 18.1	1.772	2.608	15.4	20.1	6 20	20 46.94	-20 9.0	2.544	3.387	11.1	21.9
6 30	20 44.26	-11 34.3	1.699	2.615	12.1	19.9	6 30	20 41.98	-20 36.7	2.474	3.398	8.4	21.7
7 10	20 37.17	-12 4.0	1.648	2.621	8.2	19.6	7 10	20 35.41	-21 8.5	2.428	3.409	5.3	21.5
7 20	20 28.47	-12 45.0	1.621	2.626	4.1	19.4	7 20	20 27.73	-21 41.6	2.409	3.420	2.1	21.3
7 30	20 19.08	-13 33.5	1.621	2.632	2.6	19.3	7 30	20 19.62	-22 12.9	2.418	3.430	1.7	21.3
8 9	20 10.09	-14 24.9	1.647	2.636	6.1	19.6	8 9	20 11.83	-22 39.6	2.457	3.440	4.8	21.5
8 19	20 2.47	-15 14.8	1.699	2.641	10.0	19.8	8 19	20 5.04	-23 0.0	2.522	3.450	7.8	21.8
8 29	19 57.02	-15 59.7	1.775	2.645	13.6	20.0	8 29	19 59.84	-23 13.4	2.612	3.460	10.5	21.9
<b>312842</b>	2011 <i>UW</i> <sub>52</sub>		7 26.2 31°88	5°8/29.8	18		<b>110046</b>	2001 <i>SV</i> <sub>88</sub>		7 26.2 209°57	0°5/25.9	18	
6 20	20 44.47	- 2 49.1	1.972	2.778	15.2	20.4	6 20	20 50.48	-19 13.9	1.831	2.683	14.4	21.2
6 30	20 40.49	- 2 28.4	1.897	2.781	12.5	20.3	6 30	20 45.39	-19 31.6	1.752	2.680	11.0	20.9
7 10	20 34.65	- 2 24.3	1.842	2.785	9.6	20.1	7 10	20 37.97	-19 56.0	1.694	2.676	7.1	20.7
7 20	20 27.47	- 2 37.5	1.810	2.789	7.0	19.9	7 20	20 28.83	-20 23.5	1.661	2.672	2.7	20.4
7 30	20 19.71	- 3 6.9	1.804	2.793	5.8	19.9	7 30	20 18.92	-20 50.2	1.655	2.668	1.9	20.4
8 9	20 12.27	- 3 49.5	1.823	2.798	7.0	20.0	8 9	20 9.36	-21 12.4	1.676	2.663	6.3	20.6
8 19	20 5.94	- 4 41.2	1.867	2.803	9.7	20.1	8 19	20 1.20	-21 27.8	1.723	2.658	10.4	20.9
8 29	20 1.43	- 5 37.0	1.935	2.808	12.5	20.3	8 29	19 55.28	-21 35.4	1.792	2.653	13.9	21.1
<b>330583</b>	2008 <i>CZ</i> <sub>120</sub>		7 26.2 162°28	2°1/25.0	18		<b>344115</b>	1999 <i>VV</i> <sub>71</sub>		7 26.2 276°29	4°8/23.1	18	
6 20	20 49.94	-20 58.2	1.626	2.488	15.4	20.8	6 20	20 50.49	-29 25.2	1.974	2.833	13.2	21.7
6 30	20 45.27	-21 53.6	1.556	2.490	11.7	20.6	6 30	20 45.72	-30 28.0	1.880	2.809	10.3	21.5
7 10	20 38.02	-22 57.0	1.507	2.492	7.5	20.3	7 10	20 38.43	-31 32.7	1.808	2.784	7.3	21.2
7 20	20 28.86	-24 2.4	1.483	2.494	3.2	20.1	7 20	20 29.12	-32 32.6	1.761	2.759	5.0	21.1
7 30	20 18.84	-25 3.1	1.486	2.495	3.2	20.1	7 30	20 18.71	-33 21.1	1.741	2.733	5.7	21.0
8 9	20 9.24	-25 53.4	1.514	2.496	7.4	20.3	8 9	20 8.41	-33 53.1	1.747	2.707	8.6	21.2
8 19	20 1.23	-26 29.9	1.568	2.497	11.6	20.6	8 19	19 59.42	-34 6.6	1.778	2.681	12.1	21.3
8 29	19 55.72	-26 51.9	1.642	2.498	15.2	20.8	8 29	19 52.74	-34 2.4	1.831	2.654	15.3	21.5
<b>198623</b>	2005 <i>AB</i> <sub>42</sub>		7 26.2 283°63	5°1/23.8	18		<b>432784</b>	2011 <i>FA</i> <sub>66</sub>		7 26.2 46°64	3°5/27.9	17	
6 20	20 54.19	-31 18.8	1.868	2.724	14.0	20.2	6 20	20 47.57	-10 19.9	1.440	2.290	17.7	21.0
6 30	20 48.69	-31 52.0	1.769	2.696	11.0	20.0	6 30	20 43.36	-10 10.8	1.384	2.304	13.9	20.8
7 10	20 40.38	-32 23.0	1.693	2.667	7.8	19.7	7 10	20 36.70	-10 17.3	1.347	2.319	9.6	20.6
7 20	20 29.86	-32 45.6	1.641	2.638	5.3	19.5	7 20	20 28.32	-10 37.9	1.332	2.335	5.4	20.4
7 30	20 18.18	-32 53.8	1.615	2.609	5.8	19.5	7 30	20 19.32	-11 9.6	1.342	2.350	3.7	20.3
8 9	20 6.70	-32 43.9	1.616	2.580	8.9	19.6	8 9	20 10.93	-11 47.8	1.377	2.367	6.9	20.6
8 19	19 56.75	-32 15.7	1.641	2.550	12.5	19.8	8 19	20 4.21	-12 27.7	1.435	2.383	11.0	20.9
8 29	19 49.41	-31 31.8	1.688	2.520	16.0	19.9	8 29	19 59.93	-13 5.4	1.516	2.400	14.7	21.1
<b>279785</b>	1999 <i>UK</i> <sub>25</sub>		7 26.2 352°19	26°2/12.8	16		<b>139487</b>	2001 <i>PA</i> <sub>20</sub>		7 26.2 131°26	5°3/23.6	18	
6 20	20 34.83	+23 48.6	1.124	1.844	28.9	19.0	6 20	20 54.35	-34 19.8	2.128	2.976	12.8	19.6
6 30	20 34.66	+27 16.4	1.072	1.827	28.1	18.9	6 30	20 48.08	-34 49.2	2.062	2.981	10.1	19.4
7 10	20 31.75	+30 6.5	1.030	1.813	27.4	18.8	7 10	20 39.52	-35 12.9	2.019	2.986	7.3	19.2
7 20	20 26.58	+32 6.5	0.999	1.802	26.8	18.7	7 20	20 29.37	-35 25.6	2.002	2.991	5.5	19.1
7 30	20 20.19	+33 6.1	0.979	1.794	26.4	18.6	7 30	20 18.68	-35 23.3	2.012	2.996	5.8	19.2
8 9	20 14.04	+33 1.5	0.968	1.788	26.2	18.6	8 9	20 8.57	-35 4.3	2.048	3.000	8.0	19.3
8 19	20 9.55	+31 54.8	0.968	1.786	26.2	18.6	8 19	20 0.05	-34 29.9	2.110	3.005	10.8	19.5
8 29	20 8.01	+29 54.2	0.978	1.786	26.5	18.6	8 29	19 53.85	-33 43.0	2.194	3.009	13.3	19.7
<b>395268</b>	2010 <i>SH</i> <sub>18</sub>		7 26.2 12°67	6°5/30.4	18		<b>193566</b>	2001 <i>AR</i> <sub>30</sub>		7 26.2 230°04	2°3/24.7	18	
6 20	20 42.44	- 1 13.4	1.767	2.577	16.5	20.3	6 20	20 50.14	-23 50.5	2.350	3.197	11.8	21.4
6 30	20 39.17	- 0 59.1	1.695	2.580	13.8	20.1	6 30	20 44.83	-24 35.3	2.258	3.183	9.0	21.2
7 10	20 33.91	- 1 5.1	1.642	2.583	10.7	19.9	7 10	20 37.51	-25 23.7	2.188	3.169	5.8	21.0
7 20	20 27.21	- 1 31.9	1.611	2.587	7.9	19.8	7 20	20 28.66	-26 11.5	2.146	3.154	2.9	20.7
7 30	20 19.89	- 2 18.3	1.604	2.592	6.5	19.7	7 30	20 19.05	-26 54.3	2.132	3.138	3.0	20.7
8 9	20 12.90	- 3 20.2	1.622	2.598	7.7	19.8	8 9	20 9.59	-27 28.2	2.147	3.122	6.2	20.9
8 19	20 7.12	- 4 31.8	1.664	2.604	10.4	19.9	8 19	20 1.19	-27 51.1	2.189	3.105	9.5	21.1
8 29	20 3.27	- 5 47.1	1.730	2.611	13.3	20.1	8 29	19 54.63	-28 2.8	2.254	3.087	12.4	21.3
<b>268013</b>	2004 <i>MF</i> <sub>7</sub>		7 26.2 74°64	3°0/27.4	18		<b>397724</b>	2008 <i>EL</i> <sub>13</sub>		7 26.2 76°34	0°5/26.6	18	
6 20	20 50.19	-12 41.8	1.637	2.480	16.2	20.1	6 20	20 45.37	-15 21.8	2.149	2.993	12.8	21.2
6 30	20 45.19	-12 15.7	1.566	2.485	12.7	19.9	6 30	20 41.09	-15 52.7	2.077	3.000	9.8	21.0
7 10	20 37.81	-12 0.1	1.517	2.490	8.7	19.7	7 10	20 35.01	-16 32.6	2.028	3.007	6.3	20.8
7 20	20 28.74	-11 54.4	1.490	2.495	4.6	19.5	7 20	20 27.64	-17 18.5	2.004	3.014	2.6	20.6
7 30	20 18.97	-11 56.9	1.490	2.499	3.2	19.4	7 30	20 19.74	-18 6.6	2.008	3.022	1.4	20.5
8 9	20 9.70	-12 5.2	1.516	2.504	6.6	19.6	8 9	20 12.15	-18 53.0	2.040	3.029	5.2	20.8
8 19	20 1.96	-12 16.4	1.566	2.509	10.7	19.8	8 19	20 5.67	-19 34.7	2.098	3.036	8.6	21.0
8 29	19 56.56	-12 28.2	1.639	2.514	14.3	20.1	8 29	20 0.95	-20 9.4	2.181	3.044	11.7	21.2
<b>436515</b>	2011 <i>FO</i> <sub>47</sub>		7 26.2 99°44	5°4/29.4	17		<b>332051</b>	2005 <i>QJ</i> <sub>176</sub>		7 26.2 324°05	2°2/25.3	15	
6 20	20 46.72	- 4 11.5	1.784	2.598	16.2	21.2	6 20	20 46.65	-22 27.3	1.276	2.160	17.4	20.6
6 30	20 42.39	- 3 59.9	1.711	2.603	13.2	21.0	6 30	20 43.59	-22 47.6	1.196	2.142	13.4	20.3
7 10	20 35.96	- 4 6.1	1.658	2.609	9.9	20.8	7 10	20 37.43	-23 14.5	1.135	2.124	8.7	20.0
7 20	20 28.01	- 4 30.1	1.628	2.615	6.8	20.7	7 20	20 28.81	-23 42.8	1.095	2.107	3.7	19.7
7 30	20 19.42	- 5 10.4	1.624	2.620	5.4	20.6	7 30	20 18.95	-24 6.5	1.079	2.090	3.4	19.6
8 9	20 11.18	- 6 2.7	1.645	2.625	7.1	20.7	8 9	20 9.43	-24 20.3	1.086	2.075	8.6	19.9
8 19	20 4.24	- 7 2.2	1.691	2.631	10.3	20.9	8 19	20 1.75	-24 21.7	1.115	2.060	13.7	20.1
8 29	19 59.33	- 8 3.5	1.761	2.636	13.4	21.1	8 29	19 57.12	-24 10.5	1.163	2.047	18.3	20.3
<b>48283</b>	2002 <i>GN</i> <sub>19</sub>		7 26.2 2°36	3°3/27.4	18		<b>49018</b>	1998 <i>QY</i>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>410684</b>	2008 <i>WR</i> <sub>45</sub>	7 26.2 117°21'		3°5'/24.6 17			<b>235954</b>	2005 <i>EX</i> <sub>180</sub>	7 26.2 107°57'		1°7'/27.3 17		
6 20	20 53.58	-24 10.8	1.396	2.266	17.0	21.4	6 20	20 46.84	-12 39.6	1.917	2.757	14.3	20.6
6 30	20 48.37	-25 4.5	1.337	2.275	12.9	21.2	6 30	20 42.42	-12 57.6	1.843	2.761	11.1	20.4
7 10	20 40.16	-26 2.9	1.299	2.283	8.4	20.9	7 10	20 35.98	-13 27.2	1.791	2.766	7.4	20.2
7 20	20 29.75	-26 58.7	1.284	2.292	4.2	20.7	7 20	20 28.07	-14 6.1	1.764	2.771	3.5	20.0
7 30	20 18.47	-27 44.1	1.294	2.300	4.5	20.8	7 30	20 19.54	-14 50.8	1.763	2.775	2.1	19.9
8 9	20 7.87	-28 14.1	1.329	2.308	8.7	21.0	8 9	20 11.37	-15 37.0	1.790	2.780	5.6	20.1
8 19	19 59.31	-28 27.0	1.388	2.316	13.0	21.3	8 19	20 4.42	-16 21.1	1.843	2.784	9.4	20.4
8 29	19 53.74	-28 24.2	1.468	2.323	16.7	21.6	8 29	19 59.44	-17 0.0	1.919	2.789	12.7	20.6
<b>506486</b>	2003 <i>SV</i> <sub>359</sub>	7 26.2 284°03'		2°7'/27.4 18			<b>64484</b>	2001 <i>VB</i> <sub>49</sub>	7 26.2 79°90'		1°0'/25.7 18		
6 20	20 48.64	-11 48.3	1.529	2.377	16.9	22.7	6 20	20 48.88	-19 36.2	1.663	2.524	15.2	19.5
6 30	20 44.71	-11 53.1	1.428	2.350	13.4	22.4	6 30	20 44.36	-20 7.5	1.592	2.526	11.5	19.2
7 10	20 38.03	-12 13.2	1.346	2.322	9.3	22.1	7 10	20 37.41	-20 46.5	1.543	2.528	7.4	19.0
7 20	20 29.07	-12 47.6	1.287	2.293	4.8	21.8	7 20	20 28.68	-21 28.8	1.518	2.530	2.9	18.7
7 30	20 18.77	-13 33.1	1.253	2.265	3.0	21.6	7 30	20 19.18	-22 9.2	1.519	2.532	2.3	18.7
8 9	20 8.44	-14 24.8	1.245	2.236	7.4	21.8	8 9	20 10.12	-22 43.1	1.547	2.534	6.7	19.0
8 19	19 59.45	-15 17.4	1.260	2.207	12.4	22.0	8 19	20 2.57	-23 7.8	1.599	2.536	10.9	19.2
8 29	19 53.00	-16 6.0	1.297	2.177	16.9	22.2	8 29	19 57.41	-23 22.2	1.673	2.538	14.5	19.5
<b>168820</b>	2000 <i>SK</i> <sub>266</sub>	7 26.2 253°66'		2°2'/24.9 18			<b>31763</b>	1999 <i>JW</i> <sub>107</sub>	7 26.2 173°86'		0°6'/26.6 18		
6 20	20 50.55	-21 16.6	1.575	2.439	15.7	20.4	6 20	20 46.77	-16 0.9	2.369	3.207	12.0	19.1
6 30	20 46.06	-22 8.6	1.491	2.426	12.0	20.1	6 30	20 42.04	-16 19.5	2.289	3.208	9.2	18.9
7 10	20 38.78	-23 9.7	1.428	2.413	7.8	19.8	7 10	20 35.58	-16 45.4	2.232	3.209	6.0	18.7
7 20	20 29.30	-24 14.0	1.389	2.400	3.4	19.5	7 20	20 27.90	-17 16.1	2.201	3.210	2.5	18.5
7 30	20 18.68	-25 14.3	1.376	2.385	3.4	19.5	7 30	20 19.68	-17 48.9	2.198	3.211	1.4	18.4
8 9	20 8.28	-26 4.2	1.389	2.371	7.9	19.7	8 9	20 11.73	-18 20.6	2.224	3.212	4.9	18.7
8 19	19 59.45	-26 39.9	1.426	2.356	12.5	20.0	8 19	20 4.79	-18 48.8	2.276	3.212	8.2	18.9
8 29	19 53.28	-27 0.4	1.484	2.341	16.5	20.2	8 29	19 59.49	-19 11.9	2.353	3.212	11.1	19.1
<b>8544</b>	<i>Sigenori</i>	7 26.2 197°29'		0°3'/26.4 18			<b>3668</b>	<i>Ilfpetrov</i>	7 26.2 64°47'		2°6'/27.4 18 R		
6 20	20 50.84	-16 48.3	1.650	2.502	15.7	18.4	6 20	20 50.09	-12 18.5	1.214	2.077	19.5	16.2
6 30	20 45.89	-17 8.7	1.573	2.501	12.0	18.2	6 30	20 45.79	-12 21.8	1.158	2.088	15.2	16.0
7 10	20 38.42	-17 39.0	1.518	2.499	7.8	17.9	7 10	20 38.53	-12 41.8	1.120	2.100	10.2	15.7
7 20	20 29.07	-18 15.7	1.486	2.497	3.1	17.7	7 20	20 29.15	-13 15.7	1.104	2.111	5.0	15.5
7 30	20 18.87	-18 54.1	1.481	2.494	1.8	17.6	7 30	20 18.95	-13 58.9	1.111	2.123	3.0	15.4
8 9	20 9.05	-19 29.8	1.502	2.491	6.6	17.9	8 9	20 9.47	-14 45.2	1.142	2.135	7.6	15.7
8 19	20 0.75	-19 59.3	1.548	2.488	11.0	18.1	8 19	20 1.98	-15 29.3	1.196	2.147	12.4	16.0
8 29	19 54.89	-20 20.8	1.617	2.484	14.8	18.3	8 29	19 57.44	-16 7.1	1.271	2.159	16.7	16.3
<b>186049</b>	2001 <i>SP</i> <sub>32</sub>	7 26.2 335°44'		1°3'/26.8 15			<b>373837</b>	2003 <i>AA</i> <sub>65</sub>	7 26.2 252°40'		5°5'/22.6 18		
6 20	20 42.39	-15 8.0	1.180	2.063	18.5	19.8	6 20	20 52.36	-30 2.3	1.892	2.750	13.7	21.4
6 30	20 40.36	-15 16.9	1.102	2.046	14.5	19.5	6 30	20 47.31	-31 21.9	1.804	2.732	10.7	21.1
7 10	20 35.37	-15 40.8	1.043	2.030	9.6	19.2	7 10	20 39.55	-32 43.5	1.739	2.713	7.7	20.9
7 20	20 28.03	-16 17.3	1.004	2.015	4.2	18.8	7 20	20 29.64	-33 59.5	1.699	2.694	5.6	20.8
7 30	20 19.47	-17 1.7	0.988	2.001	2.3	18.6	7 30	20 18.55	-35 2.1	1.687	2.674	6.4	20.8
8 9	20 11.24	-17 47.4	0.994	1.989	7.9	18.9	8 9	20 7.61	-35 45.3	1.700	2.653	9.3	20.9
8 19	20 4.77	-18 28.8	1.021	1.978	13.3	19.2	8 19	19 58.08	-36 7.3	1.738	2.632	12.7	21.1
8 29	20 1.25	-19 1.6	1.067	1.968	18.1	19.5	8 29	19 51.05	-36 8.9	1.797	2.611	15.9	21.2
<b>281273</b>	2007 <i>RK</i> <sub>13</sub>	7 26.2 352°37'		10°1'/1.6 17			<b>263305</b>	2008 <i>CG</i> <sub>23</sub>	7 26.2 154°57'		0°6'/26.5 17		
6 20	20 36.08	+ 2 56.5	1.174	2.007	21.8	19.4	6 20	20 51.09	-16 5.1	1.777	2.623	15.0	21.5
6 30	20 35.30	+ 3 20.9	1.102	1.996	18.8	19.2	6 30	20 45.83	-16 25.7	1.705	2.629	11.5	21.3
7 10	20 31.97	+ 3 12.4	1.046	1.986	15.4	18.9	7 10	20 38.25	-16 55.7	1.655	2.634	7.5	21.0
7 20	20 26.64	+ 2 27.1	1.007	1.978	12.1	18.7	7 20	20 28.99	-17 32.0	1.629	2.639	3.0	20.8
7 30	20 20.35	+ 1 5.2	0.988	1.972	10.2	18.6	7 30	20 19.03	-18 10.4	1.631	2.644	1.7	20.7
8 9	20 14.38	- 0 46.9	0.989	1.968	10.9	18.6	8 9	20 9.50	-18 46.6	1.659	2.648	6.1	21.0
8 19	20 9.97	- 2 58.3	1.012	1.966	13.7	18.8	8 19	20 1.41	-19 17.5	1.714	2.652	10.2	21.2
8 29	20 8.14	- 5 15.7	1.055	1.967	17.4	19.0	8 29	19 55.59	-19 41.3	1.791	2.655	13.8	21.5
<b>23273</b>	2000 <i>YM</i> <sub>75</sub>	7 26.2 89°28'		1°8'/24.9 18			<b>182677</b>	2001 <i>UH</i> <sub>228</sub>	7 26.2 349°78'		1°8'/27.4 18		
6 20	20 46.16	-21 46.5	2.280	3.132	11.9	18.6	6 20	20 44.99	-12 17.1	1.924	2.766	14.2	20.5
6 30	20 41.66	-22 39.1	2.213	3.142	9.0	18.4	6 30	20 41.07	-12 35.0	1.845	2.765	11.0	20.3
7 10	20 35.37	-23 36.4	2.169	3.152	5.7	18.2	7 10	20 35.16	-13 4.9	1.788	2.763	7.4	20.1
7 20	20 27.80	-24 33.9	2.152	3.162	2.5	18.0	7 20	20 27.79	-13 44.9	1.755	2.762	3.6	19.9
7 30	20 19.70	-25 27.3	2.164	3.172	2.6	18.1	7 30	20 19.76	-14 31.4	1.749	2.761	2.2	19.8
8 9	20 11.93	-26 12.6	2.203	3.182	5.7	18.3	8 9	20 12.02	-15 20.1	1.770	2.760	5.6	20.0
8 19	20 5.25	-26 47.7	2.268	3.191	8.8	18.5	8 19	20 5.46	-16 7.3	1.817	2.760	9.4	20.2
8 29	20 0.33	-27 11.7	2.358	3.201	11.6	18.7	8 29	20 0.80	-16 49.6	1.886	2.760	12.8	20.4
<b>193656</b>	2001 <i>DK</i> <sub>45</sub>	7 26.2 151°52'		0°6'/25.8 18 R			<b>473943</b>	2016 <i>EG</i> <sub>171</sub>	7 26.2 28°61'		1°6'/26.8 17		
6 20	20 49.64	-19 42.5	2.177	3.021	12.6	20.8	6 20	20 48.44	-15 43.6	1.112	1.991	19.7	20.6
6 30	20 44.33	-20 4.2	2.103	3.028	9.6	20.7	6 30	20 44.78	-15 36.9	1.058	1.998	15.2	20.4
7 10	20 37.08	-20 31.1	2.053	3.034	6.1	20.4	7 10	20 38.00	-15 43.2	1.021	2.007	10.0	20.1
7 20	20 28.47	-20 59.9	2.029	3.040	2.4	20.2	7 20	20 28.97	-15 59.6	1.005	2.016	4.4	19.8
7 30	20 19.31	-21 27.1	2.033	3.045	1.7	20.2	7 30	20 19.08	-16 21.8	1.012	2.026	2.5	19.7
8 9	20 10.51	-21 49.7	2.065	3.050	5.5	20.4	8 9	20 9.97	-16 44.8	1.042	2.036	7.8	20.1
8 19	20 2.92	-22 5.9	2.124	3.055	8.9	20.7	8 19	20 2.99	-17 4.6	1.094	2.047	13.0	20.4
8 29	19 57.22	-22 14.9	2.206	3.059	12.0	20.9	8 29	19 59.12	-17 18.6	1.165	2.059	17.4	20.7
<b>334359</b>	2001 <i>YK</i> <sub>125</sub>	7 26.2 204°90'		0°8'/25.8 18			<b>159652</b>	2002 <i>CO</i> <sub>291</sub>	7 26.2 236°07'		3°4'/23.9 18		
6 20	20 51.34</												

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7 26.2

7 26.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>294899</b>	2008 <i>DW</i> <sub>19</sub>		7 26.2	86°76'	3:1/24.9	17	<b>41472</b>	2000 <i>OA</i> <sub>59</sub>		7 26.2	222°27'	1:6/25.5	18
6 20	20 53.73	-25 9.8	1.530	2.395	16.0	20.7	6 20	20 54.03	-23 55.5	1.955	2.804	13.7	18.7
6 30	20 48.11	-25 44.1	1.476	2.411	12.2	20.5	6 30	20 48.02	-23 57.1	1.871	2.798	10.5	18.5
7 10	20 39.78	-26 20.2	1.443	2.427	7.9	20.3	7 10	20 39.66	-23 59.7	1.809	2.791	6.8	18.2
7 20	20 29.57	-26 52.3	1.434	2.442	3.9	20.1	7 20	20 29.57	-24 0.1	1.773	2.783	2.9	18.0
7 30	20 18.73	-27 14.7	1.451	2.458	4.0	20.1	7 30	20 18.74	-23 54.8	1.765	2.776	2.5	17.9
8 9	20 8.65	-27 24.1	1.494	2.473	7.8	20.4	8 9	20 8.32	-23 42.0	1.785	2.768	6.4	18.2
8 19	20 0.49	-27 20.1	1.561	2.488	11.8	20.7	8 19	19 59.34	-23 21.3	1.830	2.759	10.3	18.4
8 29	19 55.07	-27 4.2	1.649	2.503	15.3	20.9	8 29	19 52.64	-22 53.6	1.900	2.750	13.7	18.6
<b>181795</b>	1998 <i>HU</i> <sub>67</sub>		7 26.2	68°75'	1:2/25.7	17	<b>360874</b>	2005 <i>SJ</i> <sub>29</sub>		7 26.2	297°36'	5:4/23.3	18
6 20	20 53.55	-20 43.6	1.331	2.199	17.8	20.2	6 20	20 50.89	-33 23.6	2.049	2.905	12.9	20.6
6 30	20 48.11	-21 3.4	1.284	2.221	13.4	20.0	6 30	20 45.86	-34 1.7	1.963	2.887	10.2	20.4
7 10	20 39.80	-21 29.5	1.256	2.242	8.5	19.7	7 10	20 38.41	-34 36.0	1.899	2.869	7.5	20.2
7 20	20 29.57	-21 56.8	1.252	2.264	3.3	19.5	7 20	20 29.13	-35 0.9	1.861	2.852	5.6	20.1
7 30	20 18.76	-22 20.0	1.273	2.285	2.6	19.5	7 30	20 18.99	-35 11.2	1.848	2.834	6.1	20.1
8 9	20 8.84	-22 35.0	1.319	2.306	7.5	19.9	8 9	20 9.19	-35 4.0	1.862	2.817	8.5	20.2
8 19	20 1.02	-22 40.6	1.388	2.328	12.0	20.2	8 19	20 0.82	-34 39.4	1.900	2.799	11.6	20.3
8 29	19 56.10	-22 36.7	1.478	2.349	15.8	20.5	8 29	19 54.77	-33 59.6	1.960	2.782	14.4	20.5
<b>290150</b>	2005 <i>QQ</i> <sub>178</sub>		7 26.2	295°77'	1:6/27.0	17	<b>172329</b>	2002 <i>VE</i> <sub>16</sub>		7 26.2	271°96'	1:8/27.2	18
6 20	20 46.46	-13 27.5	1.533	2.390	16.4	21.1	6 20	20 46.74	-13 29.3	2.022	2.861	13.7	20.7
6 30	20 42.95	-13 47.3	1.440	2.369	12.9	20.8	6 30	20 42.39	-13 32.1	1.933	2.851	10.7	20.5
7 10	20 36.82	-14 22.0	1.368	2.348	8.7	20.5	7 10	20 36.03	-13 44.7	1.866	2.841	7.2	20.2
7 20	20 28.59	-15 9.4	1.318	2.327	4.0	20.2	7 20	20 28.16	-14 5.5	1.824	2.831	3.5	20.0
7 30	20 19.21	-16 5.1	1.293	2.306	2.2	20.0	7 30	20 19.58	-14 32.0	1.809	2.821	2.1	19.9
8 9	20 9.95	-17 3.3	1.293	2.285	7.0	20.3	8 9	20 11.23	-15 0.9	1.821	2.810	5.6	20.1
8 19	20 2.06	-17 58.5	1.317	2.264	11.9	20.5	8 19	20 4.00	-15 29.4	1.859	2.800	9.4	20.3
8 29	19 56.64	-18 46.3	1.363	2.244	16.2	20.7	8 29	19 58.65	-15 54.8	1.920	2.790	12.7	20.5
<b>172284</b>	2002 <i>TO</i> <sub>138</sub>		7 26.2	337°46'	2:2/26.7	18	<b>443515</b>	2014 <i>JS</i> <sub>52</sub>		7 26.2	52°69'	4:6/29.0	16
6 20	20 42.87	-17 57.8	1.158	2.047	18.4	18.2	6 20	20 45.46	-5 54.8	2.043	2.857	14.4	21.4
6 30	20 40.96	-17 7.6	1.068	2.015	14.5	17.9	6 30	20 41.19	-5 34.7	1.972	2.866	11.7	21.3
7 10	20 35.93	-16 21.3	0.996	1.984	9.8	17.5	7 10	20 35.10	-5 28.5	1.921	2.874	8.6	21.1
7 20	20 28.35	-15 38.9	0.944	1.955	4.5	17.1	7 20	20 27.75	-5 36.4	1.895	2.883	5.8	20.9
7 30	20 19.35	-14 59.7	0.914	1.927	3.0	16.9	7 30	20 19.88	-5 56.9	1.895	2.892	4.6	20.9
8 9	20 10.54	-14 23.3	0.907	1.902	8.4	17.2	8 9	20 12.36	-6 27.4	1.921	2.901	6.3	21.0
8 19	20 3.50	-13 49.4	0.919	1.879	14.1	17.4	8 19	20 5.96	-7 4.4	1.973	2.911	9.1	21.2
8 29	19 59.55	-13 17.3	0.951	1.858	19.2	17.6	8 29	20 1.33	-7 44.1	2.049	2.920	12.0	21.4
<b>20478</b>	Rutenberg		7 26.2	334°33'	1:3/25.5	18	<b>8442</b>	<i>Ostralegus</i>		7 26.2	172°91'	1:5/25.4	18
6 20	20 43.83	-18 51.0	1.370	2.250	16.7	17.5	6 20	20 51.57	-20 40.7	1.855	2.707	14.2	19.1
6 30	20 41.16	-19 38.1	1.293	2.237	12.8	17.3	6 30	20 46.23	-21 23.7	1.781	2.710	10.8	18.9
7 10	20 35.73	-20 37.6	1.236	2.224	8.2	17.0	7 10	20 38.56	-22 13.4	1.729	2.712	6.9	18.7
7 20	20 28.16	-21 44.2	1.201	2.213	3.2	16.6	7 20	20 29.16	-23 4.7	1.703	2.714	2.8	18.4
7 30	20 19.51	-22 50.6	1.190	2.202	2.8	16.6	7 30	20 19.00	-23 52.5	1.705	2.715	2.6	18.4
8 9	20 11.16	-23 49.8	1.203	2.192	7.9	16.9	8 9	20 9.23	-24 32.1	1.733	2.716	6.6	18.7
8 19	20 4.44	-24 36.3	1.239	2.184	12.7	17.1	8 19	20 0.87	-25 0.8	1.788	2.716	10.5	18.9
8 29	20 0.41	-25 7.9	1.296	2.176	17.0	17.4	8 29	19 54.78	-25 18.0	1.865	2.715	13.9	19.1
<b>185948</b>	2001 <i>BE</i> <sub>39</sub>		7 26.2	191°48'	0:4/26.6	18	<b>345508</b>	2006 <i>JX</i> <sub>67</sub>		7 26.2	259°72'	3:0/24.6	18
6 20	20 44.72	-14 47.5	2.563	3.397	11.3	20.5	6 20	20 49.32	-25 12.3	1.868	2.729	13.7	21.0
6 30	20 40.42	-15 29.8	2.478	3.396	8.6	20.3	6 30	20 44.60	-25 52.0	1.793	2.726	10.5	20.8
7 10	20 34.54	-16 20.7	2.418	3.395	5.6	20.1	7 10	20 37.55	-26 34.4	1.741	2.724	6.9	20.6
7 20	20 27.51	-17 17.7	2.384	3.394	2.3	19.9	7 20	20 28.78	-27 14.4	1.713	2.721	3.6	20.4
7 30	20 19.95	-18 17.0	2.379	3.393	1.3	19.8	7 30	20 19.25	-27 46.7	1.713	2.718	3.8	20.4
8 9	20 12.58	-19 15.0	2.403	3.391	4.6	20.1	8 9	20 10.11	-28 7.6	1.738	2.715	7.2	20.6
8 19	20 6.08	-20 8.3	2.455	3.389	7.7	20.3	8 19	20 2.38	-28 15.7	1.789	2.712	10.8	20.8
8 29	20 1.05	-20 54.8	2.532	3.387	10.5	20.4	8 29	19 56.91	-28 11.2	1.862	2.709	14.1	21.0
<b>442081</b>	2010 <i>SO</i> <sub>15</sub>		7 26.2	287°21'	2:2/25.1	18	<b>75290</b>	1999 <i>XY</i> <sub>27</sub>		7 26.2	100°62'	6:7/22.9	18
6 20	20 48.96	-25 8.4	2.154	3.008	12.4	20.8	6 20	20 53.74	-32 15.2	1.499	2.368	16.1	19.0
6 30	20 44.01	-25 22.7	2.069	2.998	9.5	20.6	6 30	20 48.64	-33 23.8	1.439	2.371	12.6	18.8
7 10	20 37.01	-25 38.1	2.007	2.989	6.2	20.4	7 10	20 40.45	-34 29.6	1.401	2.374	9.2	18.6
7 20	20 28.51	-25 51.0	1.971	2.979	3.0	20.1	7 20	20 29.97	-35 23.6	1.385	2.378	6.9	18.5
7 30	20 19.35	-25 57.9	1.962	2.970	2.9	20.1	7 30	20 18.55	-35 57.9	1.395	2.381	7.6	18.5
8 9	20 10.50	-25 56.6	1.981	2.960	6.2	20.3	8 9	20 7.81	-36 8.5	1.429	2.385	10.5	18.7
8 19	20 2.88	-25 46.3	2.025	2.951	9.6	20.5	8 19	19 59.14	-35 55.8	1.485	2.388	13.9	18.9
8 29	19 57.22	-25 27.3	2.093	2.941	12.7	20.7	8 29	19 53.53	-35 23.6	1.561	2.391	17.1	19.2
<b>94144</b>	2000 <i>YR</i> <sub>139</sub>		7 26.2	178°27'	4:1/29.1	18	<b>494693</b>	2004 <i>PT</i> <sub>63</sub>		7 26.2	317°59'	1:1/25.9	17
6 20	20 45.94	-4 23.2	2.977	3.762	11.1	19.6	6 20	20 48.12	-21 0.5	1.103	1.992	19.1	20.6
6 30	20 41.02	-3 57.7	2.890	3.763	9.1	19.5	6 30	20 45.18	-21 2.8	1.025	1.973	14.8	20.3
7 10	20 34.76	-3 42.1	2.825	3.764	6.9	19.3	7 10	20 38.76	-21 12.4	0.964	1.954	9.7	19.9
7 20	20 27.56	-3 36.9	2.787	3.764	4.9	19.2	7 20	20 29.50	-21 25.2	0.924	1.936	3.9	19.5
7 30	20 19.95	-3 41.6	2.776	3.765	4.1	19.2	7 30	20 18.75	-21 35.6	0.905	1.919	2.9	19.4
8 9	20 12.54	-3 54.9	2.794	3.764	5.2	19.2	8 9	20 8.37	-21 38.8	0.909	1.902	9.0	19.7
8 19	20 5.88	-4 14.7	2.840	3.764	7.2	19.4	8 19	20 0.08	-21 32.3	0.934	1.886	14.8	20.0
8 29	20 0.47	-4 38.9	2.911	3.763	9.4	19.5	8 29	19 55.24	-21 16.0	0.977	1.872	19.9	20.2
<b>122270</b>	2000 <i>OP</i> <sub>58</sub>		7 26.2	296°33'	1:5/25.6	18	<b>390122</b>	2012 <i>VE</i> <sub>48</sub>		7 26.2	270°71'	2:	

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>467313</b>	1999 AS <sub>34</sub>		7 26.2 148°54	0°4/26.1	17		<b>502019</b>	2015 AY <sub>77</sub>		7 26.2 85°37	1°9/27.0	17	
6 20	20 53.04	-19 4.4	1.476	2.336	16.8	22.1	6 20	20 51.15	-14 52.6	1.530	2.382	16.7	21.1
6 30	20 47.79	-19 18.2	1.408	2.340	12.8	21.8	6 30	20 46.14	-14 40.4	1.463	2.389	12.9	20.9
7 10	20 39.75	-19 39.9	1.361	2.344	8.2	21.6	7 10	20 38.58	-14 38.3	1.417	2.396	8.6	20.6
7 20	20 29.68	-20 5.3	1.337	2.348	3.2	21.3	7 20	20 29.20	-14 44.4	1.394	2.402	4.0	20.4
7 30	20 18.75	-20 29.7	1.338	2.351	2.1	21.2	7 30	20 19.10	-14 56.0	1.397	2.409	2.4	20.3
8 9	20 8.40	-20 48.9	1.365	2.354	7.2	21.6	8 9	20 9.55	-15 9.8	1.425	2.416	6.7	20.6
8 19	19 59.85	-21 0.6	1.417	2.357	11.8	21.8	8 19	20 1.68	-15 23.0	1.478	2.423	11.0	20.9
8 29	19 54.06	-21 4.1	1.490	2.359	15.8	22.1	8 29	19 56.32	-15 33.5	1.553	2.429	14.9	21.1
<b>431070</b>	2006 BL <sub>243</sub>		7 26.2 253°49	1°9/25.2	17		<b>206292</b>	2003 BR <sub>31</sub>		7 26.2 307°15	1°1/26.6	17	
6 20	20 49.54	-22 11.8	1.845	2.703	14.0	21.5	6 20	20 49.59	-16 33.5	1.209	2.082	18.8	19.7
6 30	20 44.84	-22 45.6	1.761	2.693	10.7	21.3	6 30	20 45.85	-16 29.8	1.134	2.072	14.7	19.4
7 10	20 37.77	-23 24.7	1.700	2.684	6.9	21.0	7 10	20 38.92	-16 37.6	1.078	2.063	9.7	19.1
7 20	20 28.91	-24 4.7	1.664	2.674	3.0	20.7	7 20	20 29.50	-16 54.2	1.043	2.053	4.1	18.7
7 30	20 19.20	-24 40.5	1.654	2.664	2.9	20.7	7 30	20 18.86	-17 15.5	1.031	2.044	2.3	18.6
8 9	20 9.77	-25 8.0	1.671	2.654	6.8	20.9	8 9	20 8.65	-17 36.7	1.043	2.036	8.0	18.9
8 19	20 1.70	-25 24.8	1.714	2.643	10.8	21.2	8 19	20 0.40	-17 53.9	1.076	2.027	13.5	19.2
8 29	19 55.89	-25 30.4	1.778	2.633	14.3	21.4	8 29	19 55.26	-18 4.9	1.129	2.019	18.2	19.4
<b>354141</b>	2002 CV <sub>85</sub>		7 26.2 69°76	1°7/25.5	17		<b>103472</b>	2000 AM <sub>212</sub>		7 26.2 168°01	0°4/26.5	17	
6 20	20 52.21	-24 58.5	2.114	2.963	12.8	20.4	6 20	20 50.60	-15 58.4	1.953	2.794	14.0	21.1
6 30	20 46.19	-24 55.5	2.054	2.980	9.7	20.3	6 30	20 45.33	-16 24.5	1.877	2.798	10.8	20.9
7 10	20 38.20	-24 52.4	2.017	2.998	6.2	20.1	7 10	20 37.91	-16 59.7	1.823	2.802	7.0	20.7
7 20	20 28.93	-24 46.3	2.006	3.015	2.8	19.9	7 20	20 28.93	-17 40.9	1.795	2.805	2.8	20.4
7 30	20 19.28	-24 34.8	2.023	3.033	2.5	19.9	7 30	20 19.28	-18 24.0	1.794	2.807	1.6	20.3
8 9	20 10.21	-24 16.7	2.068	3.050	5.8	20.2	8 9	20 9.97	-19 4.8	1.821	2.809	5.7	20.6
8 19	20 2.57	-23 52.2	2.140	3.068	9.1	20.4	8 19	20 1.96	-19 40.3	1.874	2.810	9.6	20.8
8 29	19 56.97	-23 22.2	2.236	3.085	12.0	20.6	8 29	19 56.01	-20 8.4	1.952	2.811	13.0	21.1
<b>40972</b>	1999 TL <sub>267</sub>		7 26.2 198°37	6°0/30.9	18		<b>372913</b>	2011 AN <sub>77</sub>		7 26.2 163°31	0°5/25.9	17	
6 20	20 44.76	+ 2 55.5	2.981	3.727	11.9	19.8	6 20	20 50.87	-18 32.0	1.912	2.759	14.0	21.6
6 30	20 40.19	+ 3 24.4	2.889	3.724	10.1	19.7	6 30	20 45.59	-19 1.5	1.838	2.764	10.7	21.4
7 10	20 34.29	+ 3 39.8	2.818	3.720	8.3	19.6	7 10	20 38.10	-19 38.4	1.787	2.768	6.8	21.2
7 20	20 27.43	+ 3 40.6	2.772	3.716	6.7	19.5	7 20	20 29.01	-20 18.9	1.761	2.772	2.6	20.9
7 30	20 20.13	+ 3 26.9	2.753	3.712	6.0	19.4	7 30	20 19.24	-20 58.5	1.762	2.775	1.8	20.9
8 9	20 12.97	+ 2 59.8	2.760	3.707	6.5	19.4	8 9	20 9.84	-21 33.2	1.791	2.777	6.0	21.2
8 19	20 6.53	+ 2 21.8	2.794	3.701	8.0	19.5	8 19	20 1.81	-22 0.5	1.846	2.780	9.9	21.4
8 29	20 1.31	+ 1 36.2	2.853	3.696	9.8	19.7	8 29	19 55.91	-22 18.9	1.924	2.781	13.3	21.6
<b>429480</b>	2011 AR <sub>18</sub>		7 26.2 78°98	2°0/25.4	17		<b>188184</b>	2002 JE <sub>123</sub>		7 26.2 69°65	2°6/28.3	18	
6 20	20 53.13	-23 29.2	1.562	2.425	15.9	20.8	6 20	20 44.44	- 8 47.9	2.231	3.054	13.1	20.0
6 30	20 47.62	-23 43.4	1.504	2.438	12.0	20.5	6 30	20 40.30	- 9 8.9	2.162	3.066	10.3	19.9
7 10	20 39.47	-24 0.4	1.466	2.450	7.7	20.3	7 10	20 34.51	- 9 42.6	2.114	3.079	7.2	19.7
7 20	20 29.51	-24 15.5	1.452	2.462	3.3	20.1	7 20	20 27.55	-10 27.2	2.091	3.091	4.1	19.5
7 30	20 18.92	-24 24.4	1.465	2.475	3.0	20.1	7 30	20 20.13	-11 19.7	2.096	3.104	2.7	19.5
8 9	20 9.04	-24 24.2	1.503	2.487	7.2	20.4	8 9	20 13.03	-12 16.2	2.128	3.116	5.1	19.6
8 19	20 0.98	-24 14.4	1.566	2.500	11.3	20.7	8 19	20 6.94	-13 12.9	2.188	3.129	8.2	19.8
8 29	19 55.57	-23 55.9	1.650	2.512	14.9	20.9	8 29	20 2.47	-14 6.2	2.272	3.142	11.0	20.1
<b>231869</b>	2000 SG <sub>364</sub>		7 26.2 279°83	2°8/24.6	18		<b>290322</b>	2005 SH <sub>211</sub>		7 26.2 344°68	4°8/23.9	18	
6 20	20 49.03	-23 7.7	1.781	2.643	14.3	20.6	6 20	20 49.00	-30 30.8	1.755	2.622	14.2	20.0
6 30	20 44.77	-24 1.8	1.686	2.620	11.0	20.3	6 30	20 44.60	-31 2.6	1.683	2.616	11.0	19.8
7 10	20 37.94	-25 3.1	1.613	2.597	7.2	20.0	7 10	20 37.66	-31 32.1	1.632	2.610	7.7	19.6
7 20	20 29.07	-26 6.1	1.565	2.574	3.5	19.8	7 20	20 28.89	-31 53.5	1.605	2.605	5.1	19.4
7 30	20 19.07	-27 4.1	1.544	2.551	3.8	19.7	7 30	20 19.34	-32 1.9	1.604	2.600	5.5	19.4
8 9	20 9.16	-27 51.2	1.549	2.527	7.7	19.9	8 9	20 10.28	-31 54.4	1.628	2.596	8.4	19.6
8 19	20 0.57	-28 24.0	1.579	2.503	11.9	20.1	8 19	20 2.82	-31 31.1	1.676	2.593	11.8	19.8
8 29	19 54.35	-28 41.6	1.630	2.479	15.6	20.3	8 29	19 57.84	-30 54.2	1.746	2.590	15.0	20.0
<b>362412</b>	2010 PR <sub>38</sub>		7 26.2 313°15	6°8/31.1	18		<b>379283</b>	2009 VF <sub>1</sub>		7 26.2 127°18	6°4/22.3	18	
6 20	20 43.38	+ 2 6.5	2.261	3.034	14.5	21.1	6 20	20 55.74	-35 54.3	2.100	2.945	13.0	20.7
6 30	20 39.57	+ 2 29.4	2.175	3.030	12.3	20.9	6 30	20 49.33	-37 2.4	2.047	2.961	10.4	20.6
7 10	20 34.10	+ 2 34.7	2.109	3.026	10.0	20.8	7 10	20 40.48	-38 4.5	2.017	2.976	7.9	20.5
7 20	20 27.41	+ 2 21.1	2.066	3.022	7.9	20.6	7 20	20 29.93	-38 53.5	2.013	2.990	6.5	20.4
7 30	20 20.14	+ 1 48.8	2.047	3.018	6.9	20.6	7 30	20 18.75	-39 24.1	2.035	3.004	7.0	20.5
8 9	20 13.08	+ 1 0.3	2.055	3.014	7.5	20.6	8 9	20 8.17	-39 33.8	2.084	3.017	9.1	20.6
8 19	20 6.94	- 0 0.5	2.087	3.011	9.5	20.7	8 19	19 59.25	-39 23.4	2.157	3.030	11.5	20.8
8 29	20 2.36	- 1 8.6	2.144	3.007	11.9	20.9	8 29	19 52.77	-38 56.1	2.252	3.042	13.8	21.0
<b>328204</b>	2008 EC <sub>55</sub>		7 26.2 37°52	5°4/29.3	17		<b>397679</b>	2008 AH <sub>129</sub>		7 26.2 97°85	0°6/26.7	15	
6 20	20 45.99	- 4 59.4	1.425	2.260	18.6	20.9	6 20	20 46.99	-15 47.4	2.214	3.054	12.6	22.1
6 30	20 42.37	- 4 57.6	1.358	2.265	15.1	20.7	6 30	20 42.27	-16 6.3	2.145	3.066	9.7	21.9
7 10	20 36.26	- 5 17.5	1.310	2.271	11.1	20.5	7 10	20 35.78	-16 32.9	2.099	3.078	6.3	21.7
7 20	20 28.32	- 5 58.8	1.284	2.277	7.2	20.3	7 20	20 28.06	-17 4.6	2.080	3.089	2.6	21.5
7 30	20 19.60	- 6 58.5	1.281	2.284	5.5	20.2	7 30	20 19.87	-17 38.3	2.088	3.101	1.4	21.4
8 9	20 11.33	- 8 10.5	1.303	2.290	7.7	20.3	8 9	20 12.04	-18 10.8	2.124	3.112	5.0	21.7
8 19	20 4.62	- 9 27.6	1.349	2.298	11.5	20.6	8 19	20 5.32	-18 39.5	2.186	3.124	8.4	22.0
8 29	20 0.35	-10 43.2	1.417	2.305	15.3	20.8	8 29	20 0.34	-19 2.9	2.273	3.135	11.3	22.2
<b>346258</b>	2008 EB <sub>71</sub>		7 26.2 141°21	11°8/23.1	16		<b>136886</b>	1998 GL <sub>12</sub>		7 26.2 100°75	0°9/25.7	17	
6 20	21 9.67	-43 28											

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>513421</b>	2008 <i>TH</i> <sub>121</sub>		7 26.2 266°16	1°2/25.5	18		<b>344647</b>	2003 <i>QT</i> <sub>69</sub>		7 26.3 348°19	4°1/28.0	18	R
6 20	20 49.23	-19 49.6	2.079	2.927	13.0	22.2	6 20	20 34.91	-11 9.5	0.994	1.890	20.2	19.2
6 30	20 44.54	-20 32.8	1.975	2.902	10.0	21.9	6 30	20 34.95	-10 53.2	0.922	1.869	16.1	18.9
7 10	20 37.62	-21 24.0	1.895	2.877	6.5	21.7	7 10	20 32.09	-10 56.8	0.866	1.852	11.4	18.5
7 20	20 28.94	-22 19.4	1.840	2.851	2.6	21.4	7 20	20 26.90	-11 20.7	0.829	1.836	6.4	18.2
7 30	20 19.26	-23 13.9	1.813	2.825	2.3	21.3	7 30	20 20.53	-12 2.4	0.812	1.823	4.3	18.0
8 9	20 9.63	-24 2.8	1.814	2.798	6.3	21.5	8 9	20 14.53	-12 55.5	0.815	1.813	8.4	18.2
8 19	20 1.05	-24 42.6	1.842	2.770	10.2	21.7	8 19	20 10.34	-13 52.4	0.837	1.805	13.8	18.5
8 29	19 54.45	-25 11.3	1.893	2.742	13.8	21.9	8 29	20 9.16	-14 45.6	0.877	1.801	18.7	18.8
<b>119476</b>	2001 <i>UG</i> <sub>28</sub>		7 26.2 355°85	4°5/28.5	18		<b>145615</b>	2006 <i>QL</i> <sub>54</sub>		7 26.3 297°66	2°0/25.3	18	
6 20	20 43.45	- 8 31.7	1.258	2.118	19.1	19.1	6 20	20 49.02	-23 53.7	1.909	2.769	13.6	20.0
6 30	20 40.83	- 8 25.5	1.189	2.114	15.3	18.8	6 30	20 44.38	-24 10.5	1.824	2.757	10.4	19.8
7 10	20 35.51	- 8 39.5	1.138	2.111	10.9	18.6	7 10	20 37.46	-24 30.0	1.762	2.745	6.7	19.5
7 20	20 28.12	- 9 13.2	1.107	2.109	6.5	18.3	7 20	20 28.84	-24 48.2	1.724	2.733	3.0	19.3
7 30	20 19.80	-10 3.4	1.100	2.108	4.6	18.2	7 30	20 19.43	-25 1.1	1.713	2.722	2.9	19.2
8 9	20 11.89	-11 3.9	1.115	2.108	7.8	18.4	8 9	20 10.33	-25 5.8	1.728	2.711	6.6	19.5
8 19	20 5.66	-12 8.0	1.153	2.108	12.3	18.7	8 19	20 2.57	-25 1.0	1.769	2.699	10.4	19.7
8 29	20 2.10	-13 9.2	1.211	2.110	16.6	18.9	8 29	19 56.99	-24 46.9	1.832	2.688	13.9	19.9
<b>274100</b>	2008 <i>CX</i> <sub>174</sub>		7 26.2 158°51	3°1/27.9	17		<b>68901</b>	2002 <i>JO</i> <sub>100</sub>		7 26.3 89°67	3°6/28.8	18	
6 20	20 51.57	-10 2.1	1.973	2.794	14.7	21.7	6 20	20 46.72	- 6 21.5	1.830	2.651	15.6	19.4
6 30	20 45.94	- 9 54.6	1.897	2.801	11.6	21.5	6 30	20 42.40	- 6 51.0	1.762	2.663	12.4	19.2
7 10	20 38.24	- 9 59.0	1.843	2.808	8.1	21.3	7 10	20 36.05	- 7 38.4	1.714	2.676	8.8	19.0
7 20	20 29.06	-10 14.1	1.814	2.814	4.6	21.1	7 20	20 28.24	- 8 41.5	1.690	2.688	5.2	18.8
7 30	20 19.26	-10 38.0	1.812	2.820	3.2	21.1	7 30	20 19.82	- 9 56.2	1.693	2.700	3.6	18.7
8 9	20 9.84	-11 7.5	1.838	2.824	6.0	21.2	8 9	20 11.79	-11 16.8	1.724	2.712	6.0	18.9
8 19	20 1.70	-11 39.3	1.891	2.828	9.5	21.5	8 19	20 5.02	-12 37.4	1.780	2.723	9.5	19.2
8 29	19 55.56	-12 10.4	1.968	2.831	12.7	21.7	8 29	20 0.24	-13 53.0	1.860	2.735	12.8	19.4
<b>77285</b>	2001 <i>FN</i> <sub>65</sub>		7 26.2 43°57	2°2/25.1	18		<b>482411</b>	2012 <i>BL</i> <sub>74</sub>		7 26.3 164°71	2°0/27.9	18	
6 20	20 48.01	-22 10.7	1.595	2.464	15.3	18.9	6 20	20 44.31	- 9 51.4	2.776	3.591	11.0	21.8
6 30	20 43.76	-22 53.6	1.537	2.475	11.6	18.7	6 30	20 39.97	-10 15.9	2.692	3.594	8.7	21.6
7 10	20 37.06	-23 42.1	1.500	2.486	7.4	18.5	7 10	20 34.23	-10 50.4	2.632	3.597	6.0	21.4
7 20	20 28.63	-24 30.5	1.488	2.498	3.3	18.3	7 20	20 27.48	-11 33.3	2.598	3.599	3.2	21.3
7 30	20 19.54	-25 13.1	1.501	2.510	3.2	18.3	7 30	20 20.29	-12 22.2	2.593	3.602	2.1	21.2
8 9	20 11.01	-25 45.5	1.540	2.523	7.2	18.6	8 9	20 13.29	-13 14.0	2.617	3.604	4.3	21.4
8 19	20 4.10	-26 5.4	1.603	2.536	11.1	18.8	8 19	20 7.08	-14 5.7	2.669	3.606	7.1	21.5
8 29	19 59.61	-26 12.7	1.687	2.549	14.6	19.1	8 29	20 2.19	-14 54.6	2.746	3.607	9.6	21.7
<b>242593</b>	2005 <i>JE</i> <sub>12</sub>		7 26.2 91°33	1°8/27.3	18		<b>87972</b>	2000 <i>TJ</i> <sub>39</sub>		7 26.3 348°70	0°8/25.7	18	
6 20	20 46.98	-13 11.8	1.961	2.801	14.0	20.8	6 20	20 45.25	-17 51.6	1.988	2.842	13.3	19.3
6 30	20 42.53	-13 19.5	1.886	2.805	10.9	20.6	6 30	20 41.36	-18 46.1	1.910	2.840	10.1	19.1
7 10	20 36.10	-13 37.6	1.833	2.808	7.3	20.4	7 10	20 35.45	-19 49.9	1.856	2.839	6.5	18.9
7 20	20 28.23	-14 4.1	1.804	2.811	3.5	20.2	7 20	20 28.04	-20 58.8	1.827	2.838	2.5	18.6
7 30	20 19.76	-14 36.1	1.802	2.814	2.1	20.1	7 30	20 19.94	-22 7.5	1.825	2.837	2.0	18.6
8 9	20 11.63	-15 10.1	1.828	2.818	5.5	20.3	8 9	20 12.10	-23 10.6	1.850	2.836	5.9	18.9
8 19	20 4.71	-15 42.9	1.879	2.821	9.2	20.5	8 19	20 5.41	-24 4.4	1.902	2.836	9.6	19.1
8 29	19 59.70	-16 12.0	1.954	2.824	12.5	20.8	8 29	20 0.64	-24 46.7	1.977	2.835	12.9	19.3
<b>399008</b>	2013 <i>GH</i> <sub>11</sub>		7 26.3 118°72	3°5/23.8	18		<b>439436</b>	2013 <i>HK</i> <sub>12</sub>		7 26.3 265°98	1°8/27.7	18	
6 20	20 48.32	-29 0.0	2.486	3.337	11.1	21.1	6 20	20 43.84	-10 35.4	2.493	3.318	11.9	20.8
6 30	20 43.27	-29 42.2	2.419	3.345	8.5	20.9	6 30	20 39.88	-11 6.2	2.399	3.308	9.3	20.6
7 10	20 36.42	-30 23.3	2.377	3.353	5.8	20.8	7 10	20 34.32	-11 48.4	2.328	3.297	6.4	20.4
7 20	20 28.32	-30 59.3	2.360	3.360	3.7	20.6	7 20	20 27.57	-12 40.3	2.283	3.287	3.3	20.2
7 30	20 19.73	-31 26.2	2.372	3.367	4.0	20.7	7 30	20 20.24	-13 38.8	2.266	3.277	2.0	20.1
8 9	20 11.49	-31 41.7	2.411	3.374	6.4	20.8	8 9	20 13.04	-14 40.3	2.278	3.267	4.7	20.3
8 19	20 4.38	-31 45.1	2.477	3.381	9.0	21.0	8 19	20 6.68	-15 40.9	2.317	3.256	7.9	20.4
8 29	19 59.03	-31 37.0	2.565	3.388	11.4	21.2	8 29	20 1.77	-16 37.5	2.381	3.246	10.8	20.6
<b>249738</b>	2000 <i>SB</i> <sub>159</sub>		7 26.3 266°39	4°6/29.4	18		<b>433316</b>	2013 <i>PU</i> <sub>73</sub>		7 26.3 311°44	5°6/25.7	18	
6 20	20 44.51	- 4 22.5	2.218	3.022	13.8	20.7	6 20	21 4.37	-34 1.4	1.315	2.175	18.4	20.3
6 30	20 40.47	- 4 16.8	2.133	3.020	11.2	20.5	6 30	20 57.68	-33 32.2	1.219	2.147	14.8	20.0
7 10	20 34.71	- 4 25.7	2.069	3.017	8.4	20.4	7 10	20 46.87	-32 49.2	1.142	2.118	10.5	19.7
7 20	20 27.69	- 4 49.2	2.030	3.015	5.8	20.2	7 20	20 32.78	-31 44.5	1.088	2.090	6.5	19.4
7 30	20 20.10	- 5 26.0	2.017	3.012	4.6	20.1	7 30	20 17.11	-30 12.7	1.060	2.062	6.2	19.3
8 9	20 12.73	- 6 12.9	2.030	3.010	6.1	20.2	8 9	20 2.07	-28 14.7	1.056	2.035	10.3	19.4
8 19	20 6.33	- 7 6.1	2.071	3.007	8.8	20.4	8 19	19 49.65	-25 58.3	1.077	2.009	15.5	19.6
8 29	20 1.55	- 8 1.5	2.135	3.005	11.6	20.5	8 29	19 41.22	-23 33.9	1.119	1.983	20.2	19.8
<b>157332</b>	Lynette		7 26.3 359°44	1°4/27.0	16		<b>115055</b>	2003 <i>RU</i> <sub>6</sub>		7 26.3 271°22	3°9/24.6	18	
6 20	20 43.35	-13 24.7	1.307	2.179	17.8	19.3	6 20	20 53.73	-29 29.7	1.914	2.769	13.7	19.7
6 30	20 40.71	-13 51.7	1.239	2.176	13.8	19.0	6 30	20 48.09	-29 47.6	1.827	2.755	10.7	19.5
7 10	20 35.41	-14 35.3	1.191	2.174	9.2	18.8	7 10	20 39.91	-30 3.2	1.763	2.741	7.3	19.3
7 20	20 28.09	-15 32.2	1.164	2.173	4.1	18.5	7 20	20 29.85	-30 11.7	1.724	2.726	4.4	19.0
7 30	20 19.85	-16 36.5	1.160	2.174	2.2	18.4	7 30	20 18.92	-30 8.4	1.712	2.712	4.6	19.0
8 9	20 12.05	-17 41.2	1.181	2.175	7.1	18.7	8 9	20 8.38	-29 51.0	1.726	2.697	7.7	19.2
8 19	20 5.90	-18 40.2	1.224	2.177	12.0	19.0	8 19	19 59.37	-29 19.9	1.766	2.683	11.3	19.4
8 29	20 2.39	-19 29.0	1.289	2.180	16.3	19.2	8 29	19 52.79	-28 37.1	1.828	2.668	14.6	19.6
<b>210783</b>	2001 <i>DK</i> <sub>22</sub>		7 26.3 177°20	16°5/20.8	18		<b>18575</b>	1997 <i>WS</i> <sub>31</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>395265</b>	2010 RZ <sub>142</sub>		7 26.3	18° 67'	4.8/29.1	16	<b>166904</b>	2003 AH <sub>67</sub>		7 26.3	185° 17'	2.3/24.3	18
6 20	20 44.47	- 5 42.3	1.915	2.735	15.1	21.0	6 20	20 48.11	-24 58.5	2.917	3.758	9.9	20.9
6 30	20 40.65	- 5 25.8	1.841	2.738	12.2	20.8	6 30	20 42.95	-25 48.9	2.835	3.758	7.5	20.8
7 10	20 34.93	- 5 24.4	1.787	2.742	9.1	20.7	7 10	20 36.21	-26 41.2	2.779	3.758	4.9	20.6
7 20	20 27.83	- 5 38.3	1.757	2.746	6.1	20.5	7 20	20 28.34	-27 31.9	2.751	3.756	2.6	20.5
7 30	20 20.14	- 6 6.1	1.752	2.750	4.8	20.4	7 30	20 19.94	-28 17.3	2.752	3.755	2.8	20.5
8 9	20 12.78	- 6 44.5	1.773	2.755	6.5	20.5	8 9	20 11.74	-28 54.4	2.782	3.752	5.2	20.6
8 19	20 6.56	- 7 29.5	1.819	2.760	9.5	20.7	8 19	20 4.39	-29 21.6	2.840	3.749	7.8	20.8
8 29	20 2.19	- 8 16.9	1.888	2.765	12.6	20.9	8 29	19 58.49	-29 38.6	2.923	3.746	10.2	21.0
<b>354750</b>	2005 TB <sub>148</sub>		7 26.3	30° 18'	3.3/24.3	18	<b>39790</b>	1997 PF		7 26.3	4° 46'	3.4/28.2	18
6 20	20 47.16	-25 43.7	1.837	2.703	13.7	20.6	6 20	20 44.46	- 9 44.8	1.962	2.796	14.3	18.0
6 30	20 42.95	-26 30.9	1.774	2.710	10.4	20.4	6 30	20 40.65	- 9 30.4	1.886	2.796	11.3	17.8
7 10	20 36.50	-27 20.2	1.734	2.717	6.8	20.2	7 10	20 34.95	- 9 27.8	1.830	2.797	8.0	17.6
7 20	20 28.46	-28 6.3	1.718	2.725	3.8	20.0	7 20	20 27.88	- 9 36.6	1.799	2.798	4.7	17.4
7 30	20 19.78	-28 43.9	1.729	2.732	4.1	20.0	7 30	20 20.22	- 9 55.1	1.793	2.799	3.5	17.3
8 9	20 11.57	-29 9.1	1.766	2.741	7.2	20.3	8 9	20 12.88	-10 20.6	1.814	2.801	5.9	17.5
8 19	20 4.78	-29 20.7	1.827	2.749	10.7	20.5	8 19	20 6.67	-10 49.8	1.860	2.804	9.2	17.7
8 29	20 0.19	-29 19.0	1.911	2.758	13.7	20.7	8 29	20 2.28	-11 19.6	1.930	2.807	12.4	17.9
<b>103685</b>	2000 CB <sub>66</sub>		7 26.3	49° 29'	2.9/27.9	17	<b>387087</b>	2012 TL <sub>103</sub>		7 26.3	162° 20'	1.3/25.6	17
6 20	20 46.61	-10 43.0	1.742	2.582	15.5	19.3	6 20	20 50.34	-21 46.1	2.126	2.974	12.8	21.8
6 30	20 42.42	-10 44.0	1.675	2.591	12.2	19.1	6 30	20 45.04	-22 6.9	2.051	2.978	9.7	21.6
7 10	20 36.12	-10 58.3	1.629	2.600	8.4	18.9	7 10	20 37.72	-22 31.4	1.999	2.981	6.2	21.4
7 20	20 28.30	-11 24.5	1.606	2.610	4.5	18.7	7 20	20 28.96	-22 56.1	1.973	2.984	2.5	21.1
7 30	20 19.88	-11 59.5	1.610	2.619	3.0	18.6	7 30	20 19.60	-23 17.5	1.975	2.986	2.2	21.1
8 9	20 11.88	-12 39.3	1.639	2.629	6.1	18.8	8 9	20 10.62	-23 32.7	2.005	2.988	5.8	21.3
8 19	20 5.24	-13 19.9	1.694	2.639	9.8	19.1	8 19	20 2.89	-23 40.1	2.061	2.990	9.3	21.6
8 29	20 0.68	-13 57.9	1.772	2.649	13.2	19.3	8 29	19 57.12	-23 39.6	2.141	2.992	12.3	21.8
<b>350265</b>	2012 TL <sub>187</sub>		7 26.3	302° 85'	4.0/23.9	18	<b>262347</b>	2006 TU <sub>62</sub>		7 26.3	345° 30'	4.9/27.9	18
6 20	20 48.71	-27 0.1	1.792	2.658	14.0	20.4	6 20	20 47.33	-10 41.2	1.229	2.091	19.3	19.9
6 30	20 44.39	-27 54.6	1.717	2.651	10.8	20.2	6 30	20 43.93	- 9 57.2	1.158	2.085	15.5	19.7
7 10	20 37.60	-28 51.4	1.663	2.645	7.3	19.9	7 10	20 37.62	- 9 27.8	1.105	2.079	11.0	19.4
7 20	20 28.96	-29 44.5	1.635	2.638	4.4	19.8	7 20	20 29.07	- 9 14.0	1.073	2.074	6.6	19.1
7 30	20 19.45	-30 27.4	1.632	2.632	4.8	19.8	7 30	20 19.50	- 9 15.1	1.063	2.070	5.0	19.0
8 9	20 10.30	-30 55.8	1.656	2.626	8.1	20.0	8 9	20 10.39	- 9 28.3	1.077	2.067	8.4	19.2
8 19	20 2.61	-31 8.0	1.703	2.620	11.6	20.2	8 19	20 3.09	- 9 49.4	1.112	2.065	13.0	19.5
8 29	19 57.29	-31 4.6	1.772	2.614	14.9	20.4	8 29	19 58.65	-10 13.8	1.168	2.063	17.3	19.7
<b>136251</b>	2003 XD <sub>19</sub>		7 26.3	332° 89'	1.2/25.7	18 R	<b>508219</b>	2015 GY <sub>31</sub>		7 26.3	137° 14'	4.1/28.8	17
6 20	20 41.48	-17 0.0	1.079	1.972	19.1	19.3	6 20	20 48.54	- 6 48.4	1.939	2.754	15.1	22.4
6 30	20 40.08	-17 56.5	1.004	1.954	14.8	19.0	6 30	20 43.72	- 6 44.4	1.865	2.762	12.1	22.2
7 10	20 35.51	-19 12.3	0.946	1.938	9.6	18.6	7 10	20 36.90	- 6 55.2	1.812	2.770	8.7	22.0
7 20	20 28.34	-20 41.7	0.909	1.922	3.7	18.3	7 20	20 28.65	- 7 20.2	1.784	2.777	5.5	21.8
7 30	20 19.76	-22 15.2	0.894	1.907	3.0	18.2	7 30	20 19.80	- 7 57.3	1.781	2.784	4.1	21.8
8 9	20 11.45	-23 41.8	0.902	1.894	9.1	18.5	8 9	20 11.29	- 8 42.7	1.806	2.790	6.2	21.9
8 19	20 5.03	-24 53.1	0.929	1.882	14.8	18.7	8 19	20 4.01	- 9 32.2	1.857	2.796	9.5	22.1
8 29	20 1.85	-25 44.2	0.975	1.872	19.8	19.0	8 29	19 58.66	-10 21.8	1.932	2.802	12.6	22.3
<b>218294</b>	2003 QD <sub>12</sub>		7 26.3	317° 12'	1.8/27.6	18	<b>63035</b>	2000 WX <sub>67</sub>		7 26.3	342° 61'	5.2/23.5	18
6 20	20 43.34	-11 17.7	2.169	3.004	13.0	19.7	6 20	20 50.05	-32 26.2	1.985	2.844	13.1	18.9
6 30	20 39.74	-11 46.5	2.080	2.995	10.2	19.5	6 30	20 45.19	-33 5.3	1.914	2.841	10.3	18.7
7 10	20 34.35	-12 27.7	2.013	2.986	6.9	19.3	7 10	20 37.99	-33 41.0	1.865	2.838	7.4	18.6
7 20	20 27.63	-13 19.4	1.971	2.977	3.5	19.1	7 20	20 29.11	-34 7.5	1.841	2.835	5.4	18.4
7 30	20 20.26	-14 18.0	1.957	2.969	2.0	19.0	7 30	20 19.53	-34 20.2	1.844	2.832	5.8	18.4
8 9	20 13.07	-15 19.4	1.970	2.960	5.2	19.2	8 9	20 10.40	-34 16.4	1.872	2.830	8.2	18.6
8 19	20 6.84	-16 19.4	2.010	2.952	8.7	19.4	8 19	20 2.76	-33 56.3	1.924	2.828	11.2	18.8
8 29	20 2.28	-17 14.4	2.073	2.945	11.9	19.5	8 29	19 57.41	-33 22.0	1.999	2.826	14.0	19.0
<b>258664</b>	2002 EK <sub>101</sub>		7 26.3	118° 74'	2.8/27.7	17	<b>255499</b>	2006 AX <sub>96</sub>		7 26.3	163° 75'	5.3/22.0	18
6 20	20 51.87	-11 18.4	1.571	2.410	16.9	21.3	6 20	20 48.67	-34 31.8	2.576	3.424	10.8	20.5
6 30	20 46.62	-11 18.4	1.507	2.423	13.3	21.1	6 30	20 43.73	-35 38.0	2.509	3.426	8.6	20.4
7 10	20 38.90	-11 32.4	1.463	2.435	9.1	20.9	7 10	20 36.88	-36 40.7	2.466	3.428	6.5	20.2
7 20	20 29.42	-11 58.5	1.442	2.446	4.7	20.6	7 20	20 28.64	-37 34.7	2.449	3.429	5.3	20.2
7 30	20 19.25	-12 33.3	1.447	2.458	3.1	20.6	7 30	20 19.79	-38 15.4	2.459	3.430	5.8	20.2
8 9	20 9.62	-13 12.3	1.479	2.468	6.6	20.8	8 9	20 11.24	-38 40.0	2.497	3.432	7.7	20.3
8 19	20 1.62	-13 51.3	1.535	2.478	10.8	21.1	8 19	20 3.81	-38 47.9	2.559	3.433	9.9	20.5
8 29	19 56.06	-14 26.8	1.614	2.488	14.5	21.3	8 29	19 58.20	-38 40.6	2.644	3.434	12.0	20.6
<b>391964</b>	2008 WL <sub>110</sub>		7 26.3	174° 66'	3.9/23.8	17	<b>137496</b>	1999 UM <sub>53</sub>		7 26.3	17° 86'	6.2/28.9	17
6 20	20 50.32	-27 41.1	2.087	2.942	12.7	22.2	6 20	20 46.64	- 6 43.0	1.235	2.086	19.9	19.7
6 30	20 45.23	-28 38.6	2.015	2.944	9.7	22.0	6 30	20 43.25	- 6 6.5	1.173	2.089	16.2	19.4
7 10	20 37.95	-29 37.1	1.967	2.945	6.6	21.8	7 10	20 37.06	- 5 50.1	1.128	2.093	11.9	19.2
7 20	20 29.06	-30 31.0	1.945	2.946	4.1	21.7	7 20	20 28.82	- 5 54.9	1.103	2.097	7.9	19.0
7 30	20 19.47	-31 14.8	1.950	2.947	4.6	21.7	7 30	20 19.70	- 6 19.6	1.101	2.103	6.2	18.9
8 9	20 10.23	-31 44.8	1.982	2.947	7.4	21.9	8 9	20 11.12	- 6 59.8	1.122	2.109	8.6	19.1
8 19	20 2.30	-31 59.7	2.039	2.947	10.5	22.1	8 19	20 4.33	- 7 49.3	1.165	2.115	12.7	19.3
8 29	19 56.48	-32 0.1	2.119	2.947	13.3	22.3	8 29	20 0.29	- 8 41.5	1.228	2.123	16.7	19.6
<b>499085</b>	2009 FA <sub>15</sub>		7 26.3	188° 18'	4.3/24.6	17	<b>20462</b>	1999 LZ <sub>31</sub>		7 26.3	119° 03'	0.6/26.6	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>340847</b>	2006 XY <sub>26</sub>		7 26.3 96°31'	2.6/23.8	18		<b>346699</b>	2008 YO <sub>138</sub>		7 26.3 285°73'	0.8/26.7	18	
6 20	20 49.31	-24 41.1	2.756	3.598	10.4	21.0	6 20	20 48.04	-16 24.4	1.845	2.695	14.4	21.1
6 30	20 43.82	-26 0.8	2.703	3.626	7.8	20.9	6 30	20 43.67	-16 29.7	1.760	2.685	11.1	20.9
7 10	20 36.73	-27 22.3	2.675	3.653	5.1	20.8	7 10	20 37.08	-16 43.4	1.696	2.676	7.3	20.6
7 20	20 28.53	-28 40.7	2.677	3.680	2.9	20.7	7 20	20 28.82	-17 3.3	1.657	2.666	3.1	20.3
7 30	20 19.91	-29 51.4	2.708	3.707	3.3	20.7	7 30	20 19.77	-17 26.0	1.644	2.657	1.7	20.2
8 9	20 11.59	-30 50.9	2.769	3.733	5.6	20.9	8 9	20 10.99	-17 48.3	1.657	2.648	6.0	20.5
8 19	20 4.26	-31 37.6	2.857	3.758	8.1	21.1	8 19	20 3.47	-18 7.5	1.697	2.638	10.1	20.7
8 29	19 58.49	-32 11.1	2.971	3.783	10.3	21.3	8 29	19 58.07	-18 21.7	1.759	2.629	13.7	20.9
<b>221934</b>	2009 PK <sub>1</sub>		7 26.3 12°73'	1.9/27.2	17		<b>130752</b>	2000 SP <sub>274</sub>		7 26.3 330°49'	5.4/23.9	18	
6 20	20 43.26	-12 45.5	1.095	1.976	19.8	19.4	6 20	20 46.94	-26 37.9	1.109	2.004	18.6	18.9
6 30	20 41.02	-13 9.0	1.038	1.979	15.4	19.1	6 30	20 44.43	-27 34.5	1.039	1.990	14.4	18.6
7 10	20 35.80	-13 51.9	0.999	1.984	10.3	18.8	7 10	20 38.41	-28 36.3	0.988	1.976	9.8	18.3
7 20	20 28.37	-14 50.3	0.980	1.990	4.7	18.6	7 20	20 29.56	-29 34.5	0.957	1.964	5.9	18.0
7 30	20 20.00	-15 57.8	0.983	1.996	2.5	18.4	7 30	20 19.29	-30 18.9	0.949	1.952	6.5	18.0
8 9	20 12.23	-17 5.9	1.009	2.005	7.7	18.8	8 9	20 9.50	-30 42.5	0.962	1.942	10.9	18.2
8 19	20 6.41	-18 7.7	1.056	2.014	12.9	19.1	8 19	20 1.92	-30 42.8	0.995	1.932	15.8	18.5
8 29	20 3.52	-18 58.1	1.123	2.024	17.4	19.4	8 29	19 57.86	-30 21.7	1.046	1.924	20.3	18.7
<b>93202</b>	2000 SU <sub>116</sub>		7 26.3 279°28'	3.3/24.4	18		<b>362524</b>	2010 TL <sub>140</sub>		7 26.3 11°52'	4.4/28.8	18	
6 20	20 50.31	-25 13.0	1.805	2.667	14.1	19.8	6 20	20 45.48	-6 59.6	2.070	2.888	14.2	20.3
6 30	20 45.79	-25 59.2	1.711	2.644	10.9	19.6	6 30	20 41.33	-6 34.2	1.992	2.889	11.4	20.1
7 10	20 38.69	-26 49.8	1.639	2.621	7.2	19.3	7 10	20 35.35	-6 21.4	1.935	2.890	8.4	19.9
7 20	20 29.52	-27 39.3	1.592	2.598	3.9	19.0	7 20	20 28.07	-6 21.5	1.902	2.892	5.6	19.8
7 30	20 19.25	-28 21.4	1.570	2.575	4.2	19.0	7 30	20 20.23	-6 33.5	1.895	2.894	4.4	19.7
8 9	20 9.12	-28 51.1	1.576	2.551	7.9	19.2	8 9	20 12.68	-6 55.1	1.915	2.896	6.2	19.8
8 19	20 0.33	-29 5.9	1.605	2.528	11.9	19.4	8 19	20 6.20	-7 23.4	1.960	2.898	9.1	20.0
8 29	19 53.95	-29 5.9	1.657	2.504	15.5	19.5	8 29	20 1.48	-7 54.9	2.029	2.901	12.1	20.2
<b>415017</b>	2011 HS <sub>93</sub>		7 26.3 342°74'	0.3/26.0	18		<b>345876</b>	2007 RQ <sub>6</sub>		7 26.3 352°42'	2.8/27.5	18	
6 20	20 42.60	-18 41.4	2.834	3.677	10.1	21.0	6 20	20 45.02	-13 5.0	1.379	2.243	17.5	20.4
6 30	20 38.77	-19 7.0	2.750	3.675	7.6	20.9	6 30	20 41.90	-12 47.4	1.307	2.238	13.7	20.1
7 10	20 33.53	-19 37.5	2.691	3.672	4.9	20.7	7 10	20 36.19	-12 42.6	1.253	2.233	9.4	19.9
7 20	20 27.31	-20 10.7	2.659	3.669	1.9	20.5	7 20	20 28.51	-12 49.7	1.222	2.229	4.9	19.6
7 30	20 20.64	-20 43.8	2.654	3.667	1.3	20.4	7 30	20 19.96	-13 6.3	1.215	2.226	3.1	19.5
8 9	20 14.17	-21 14.4	2.679	3.665	4.3	20.6	8 9	20 11.82	-13 28.5	1.231	2.224	7.1	19.7
8 19	20 8.47	-21 40.4	2.730	3.663	7.1	20.8	8 19	20 5.29	-13 52.5	1.270	2.223	11.7	20.0
8 29	20 4.09	-22 0.7	2.807	3.661	9.6	21.0	8 29	20 1.30	-14 14.8	1.331	2.223	15.8	20.2
<b>318377</b>	2004 VH <sub>74</sub>		7 26.3 330°97'	5.6/29.8	18		<b>366696</b>	2003 UR <sub>408</sub>		7 26.3 332°92'	2.4/25.1	17	
6 20	20 43.61	-2 54.5	2.106	2.909	14.5	20.1	6 20	20 45.27	-19 52.1	1.176	2.064	18.3	20.7
6 30	20 39.95	-2 30.3	2.019	2.901	12.0	19.9	6 30	20 42.79	-20 52.4	1.105	2.053	14.0	20.4
7 10	20 34.51	-2 21.5	1.953	2.894	9.3	19.7	7 10	20 37.16	-22 6.6	1.053	2.043	9.0	20.1
7 20	20 27.75	-2 28.8	1.910	2.888	6.8	19.5	7 20	20 29.02	-23 27.6	1.022	2.034	3.8	19.7
7 30	20 20.37	-2 51.8	1.892	2.881	5.6	19.4	7 30	20 19.62	-24 46.0	1.015	2.026	3.8	19.7
8 9	20 13.19	-3 28.0	1.901	2.875	6.9	19.5	8 9	20 10.58	-25 52.6	1.030	2.018	9.1	20.0
8 19	20 7.00	-4 13.9	1.935	2.869	9.4	19.6	8 19	20 3.46	-26 41.7	1.067	2.011	14.3	20.3
8 29	20 2.48	-5 5.1	1.992	2.864	12.2	19.8	8 29	19 59.47	-27 11.2	1.122	2.005	18.8	20.5
<b>321881</b>	2010 EE <sub>41</sub>		7 26.3 108°41'	0.1/26.3	16		<b>492325</b>	2014 DA <sub>3</sub>		7 26.3 2°14'	13.6/25.7	17	
6 20	20 48.73	-17 51.0	1.861	2.712	14.2	21.7	6 20	21 16.63	-46 7.4	0.973	1.830	23.6	20.4
6 30	20 44.06	-18 7.7	1.788	2.715	10.9	21.5	6 30	21 8.22	-46 24.2	0.919	1.829	20.1	20.1
7 10	20 37.23	-18 32.0	1.737	2.718	7.0	21.3	7 10	20 53.91	-46 14.5	0.880	1.829	16.6	19.9
7 20	20 28.82	-19 0.7	1.710	2.721	2.8	21.0	7 20	20 35.47	-45 22.2	0.860	1.829	14.0	19.8
7 30	20 19.76	-19 30.1	1.710	2.724	1.6	20.9	7 30	20 16.11	-43 37.8	0.860	1.829	13.8	19.8
8 9	20 11.08	-19 56.4	1.738	2.727	5.9	21.2	8 9	19 59.26	-41 6.3	0.882	1.830	16.2	19.9
8 19	20 3.74	-20 17.3	1.790	2.729	9.8	21.5	8 19	19 47.19	-38 4.0	0.924	1.832	19.8	20.1
8 29	19 58.50	-20 31.2	1.866	2.732	13.2	21.7	8 29	19 40.77	-34 49.5	0.984	1.833	23.5	20.4
<b>266175</b>	2006 UQ <sub>282</sub>		7 26.3 329°37'	1.3/25.8	18		<b>249654</b>	1999 TR <sub>317</sub>		7 26.3 254°19'	1.2/27.1	18	
6 20	20 43.05	-19 42.8	1.091	1.986	18.8	20.1	6 20	20 46.02	-14 13.2	2.522	3.353	11.5	21.6
6 30	20 41.38	-20 6.8	1.012	1.963	14.6	19.8	6 30	20 41.57	-14 21.8	2.426	3.340	9.0	21.4
7 10	20 36.44	-20 42.9	0.949	1.941	9.5	19.5	7 10	20 35.46	-14 38.1	2.352	3.326	6.0	21.2
7 20	20 28.80	-21 26.4	0.907	1.920	3.8	19.1	7 20	20 28.13	-15 0.6	2.305	3.312	2.8	21.0
7 30	20 19.69	-22 10.5	0.887	1.900	3.0	18.9	7 30	20 20.19	-15 26.9	2.286	3.298	1.6	20.9
8 9	20 10.82	-22 47.6	0.888	1.882	9.0	19.2	8 9	20 12.41	-15 54.6	2.295	3.284	4.7	21.1
8 19	20 3.88	-23 12.8	0.910	1.865	14.8	19.5	8 19	20 5.49	-16 21.2	2.332	3.269	7.9	21.3
8 29	20 0.23	-23 23.6	0.949	1.850	19.9	19.7	8 29	20 0.07	-16 44.7	2.393	3.254	10.8	21.4
<b>348645</b>	2005 YD <sub>187</sub>		7 26.3 154°09'	0.1/26.4	18		<b>253901</b>	2004 BY <sub>112</sub>		7 26.3 185°52'	1.0/26.8	17	
6 20	20 46.66	-18 5.0	2.706	3.542	10.7	21.9	6 20	20 51.16	-15 10.1	1.848	2.689	14.7	22.1
6 30	20 41.82	-18 15.0	2.627	3.546	8.2	21.7	6 30	20 45.97	-15 24.7	1.769	2.689	11.4	21.9
7 10	20 35.47	-18 29.7	2.572	3.551	5.2	21.5	7 10	20 38.51	-15 49.2	1.712	2.689	7.5	21.7
7 20	20 28.07	-18 47.0	2.544	3.555	2.1	21.3	7 20	20 29.38	-16 20.8	1.679	2.688	3.2	21.4
7 30	20 20.24	-19 4.7	2.545	3.558	1.2	21.3	7 30	20 19.49	-16 55.9	1.674	2.687	1.7	21.3
8 9	20 12.67	-19 20.6	2.575	3.562	4.4	21.5	8 9	20 9.93	-17 30.4	1.696	2.685	6.0	21.6
8 19	20 6.00	-19 33.2	2.632	3.565	7.3	21.7	8 19	20 1.73	-18 1.2	1.744	2.683	10.0	21.8
8 29	20 0.79	-19 41.5	2.714	3.568	9.9	21.9	8 29	19 55.69	-18 26.2	1.815	2.680	13.6	22.0
<b>54964</b>	2001 PF <sub>27</sub>		7 26.3 205°89'	1.3/25.7	18		<b>476601</b>	2008 SE <sub>85</sub>		7 26.3 211°95'	14.9/4.1	16	
6 20	20 52.46	-21 54.2</											



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7 26.3

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>140373</b>	2001 <i>TL</i> <sub>34</sub>		7 26.3 98°38'	4.9°/28.9	18		<b>488334</b>	2016 <i>VQ</i> <sub>6</sub>		7 26.3 292°21'	4.9°/22.5	18	
6 20	20 48.13	- 5 49.4	2.190	2.995	13.9	19.7	6 20	20 47.98	-29 22.0	2.095	2.955	12.5	20.4
6 30	20 43.19	- 5 9.6	2.114	3.001	11.3	19.5	6 30	20 43.83	-30 40.6	2.002	2.931	9.8	20.2
7 10	20 36.47	- 4 41.8	2.060	3.008	8.5	19.3	7 10	20 37.37	-32 1.9	1.932	2.908	6.9	20.0
7 20	20 28.51	- 4 26.8	2.031	3.014	5.9	19.2	7 20	20 29.05	-33 19.5	1.888	2.884	5.0	19.8
7 30	20 20.03	- 4 24.3	2.028	3.021	4.9	19.2	7 30	20 19.72	-34 26.4	1.872	2.860	5.8	19.8
8 9	20 11.88	- 4 32.7	2.052	3.027	6.4	19.3	8 9	20 10.44	-35 17.3	1.881	2.836	8.5	19.9
8 19	20 4.81	- 4 49.5	2.103	3.033	9.0	19.4	8 19	20 2.30	-35 49.5	1.916	2.812	11.6	20.1
8 29	19 59.45	- 5 11.7	2.177	3.040	11.7	19.6	8 29	19 56.28	-36 3.0	1.972	2.788	14.6	20.2
<b>340489</b>	2006 <i>HV</i> <sub>85</sub>		7 26.3 114°17'	5°8'/30.2	18		<b>504784</b>	2009 <i>YX</i> <sub>23</sub>		7 26.3 179°84'	2°8'/24.6	17	
6 20	20 47.13	- 1 44.1	2.005	2.799	15.4	21.3	6 20	20 54.42	-27 55.4	2.665	3.501	10.9	23.1
6 30	20 42.59	- 1 31.1	1.933	2.809	12.7	21.1	6 30	20 47.83	-28 19.5	2.585	3.504	8.3	23.0
7 10	20 36.17	- 1 35.7	1.881	2.819	9.8	21.0	7 10	20 39.40	-28 42.4	2.530	3.505	5.6	22.8
7 20	20 28.41	- 1 58.2	1.852	2.828	7.1	20.8	7 20	20 29.69	-29 0.7	2.502	3.505	3.2	22.6
7 30	20 20.09	- 2 37.3	1.849	2.838	5.8	20.8	7 30	20 19.45	-29 10.9	2.504	3.505	3.3	22.6
8 9	20 12.11	- 3 29.4	1.873	2.847	7.0	20.9	8 9	20 9.56	-29 11.2	2.535	3.504	5.8	22.8
8 19	20 5.27	- 4 30.0	1.922	2.856	9.6	21.0	8 19	20 0.79	-29 1.3	2.594	3.502	8.5	23.0
8 29	20 0.26	- 5 34.0	1.996	2.864	12.4	21.2	8 29	19 53.81	-28 42.1	2.678	3.499	11.0	23.1
<b>238182</b>	2003 <i>SW</i> <sub>249</sub>		7 26.3 281°74'	8°2'/31.2	18		<b>438957</b>	2010 <i>LN</i> <sub>60</sub>		7 26.3 289°73'	3°6'/27.9	17	
6 20	20 45.67	+ 2 40.5	1.916	2.694	16.6	20.2	6 20	20 47.98	-10 1.3	2.167	2.989	13.5	21.3
6 30	20 41.73	+ 3 19.4	1.831	2.687	14.2	20.0	6 30	20 43.37	- 9 28.2	2.064	2.967	10.8	21.1
7 10	20 35.78	+ 3 38.4	1.764	2.680	11.6	19.8	7 10	20 36.82	- 9 3.8	1.983	2.946	7.8	20.9
7 20	20 28.32	+ 3 35.2	1.720	2.673	9.4	19.6	7 20	20 28.76	- 8 48.8	1.927	2.924	4.8	20.7
7 30	20 20.12	+ 3 9.0	1.699	2.667	8.2	19.6	7 30	20 19.94	- 8 42.6	1.898	2.902	3.7	20.6
8 9	20 12.13	+ 2 22.2	1.703	2.660	9.0	19.6	8 9	20 11.23	- 8 44.0	1.896	2.880	6.0	20.7
8 19	20 5.24	+ 1 19.4	1.731	2.654	11.1	19.7	8 19	20 3.49	- 8 51.2	1.921	2.858	9.4	20.8
8 29	20 0.22	+ 0 6.6	1.782	2.647	13.8	19.9	8 29	19 57.51	- 9 1.7	1.969	2.836	12.6	21.0
<b>272252</b>	2005 <i>QJ</i> <sub>139</sub>		7 26.3 236°75'	1°4'/25.6	18		<b>32204</b>	2000 <i>OL</i> <sub>5</sub>		7 26.3 358°54'	4°2'/27.9	18	
6 20	20 51.36	-21 18.4	1.934	2.784	13.8	21.6	6 20	20 48.36	-10 43.0	1.477	2.325	17.4	17.6
6 30	20 46.24	-21 46.6	1.845	2.773	10.5	21.4	6 30	20 44.26	-10 7.9	1.405	2.323	13.8	17.4
7 10	20 38.78	-22 20.3	1.778	2.760	6.8	21.2	7 10	20 37.62	- 9 45.9	1.352	2.322	9.8	17.1
7 20	20 29.53	-22 55.5	1.737	2.748	2.8	20.9	7 20	20 29.11	- 9 37.1	1.321	2.322	5.8	16.9
7 30	20 19.40	-23 27.7	1.723	2.734	2.4	20.8	7 30	20 19.77	- 9 40.5	1.315	2.322	4.3	16.8
8 9	20 9.51	-23 52.8	1.737	2.721	6.5	21.1	8 9	20 10.87	- 9 53.3	1.334	2.322	7.3	17.0
8 19	20 0.92	-24 8.8	1.776	2.706	10.4	21.3	8 19	20 3.54	-10 12.2	1.376	2.323	11.5	17.2
8 29	19 54.50	-24 14.8	1.839	2.692	14.0	21.5	8 29	19 58.67	-10 33.4	1.440	2.325	15.3	17.5
<b>338134</b>	2002 <i>QE</i> <sub>98</sub>		7 26.3 46°31'	1°3'/25.7	16		<b>342790</b>	2008 <i>WW</i> <sub>122</sub>		7 26.3 0°37' 11°8'	19.0	17	
6 20	20 49.82	-21 41.2	1.689	2.551	14.9	21.0	6 20	20 41.51	-36 45.9	1.057	1.960	18.6	18.6
6 30	20 45.06	-21 54.7	1.625	2.558	11.3	20.8	6 30	20 40.69	-39 2.2	1.011	1.956	15.4	18.4
7 10	20 37.93	-22 12.4	1.582	2.566	7.2	20.6	7 10	20 36.18	-41 12.0	0.984	1.953	12.8	18.3
7 20	20 29.13	-22 30.7	1.563	2.574	2.9	20.3	7 20	20 28.75	-43 0.2	0.977	1.952	11.9	18.2
7 30	20 19.70	-22 45.5	1.571	2.583	2.3	20.3	7 30	20 19.99	-44 13.7	0.990	1.954	13.2	18.3
8 9	20 10.80	-22 53.8	1.605	2.592	6.5	20.6	8 9	20 11.97	-44 45.8	1.022	1.957	15.9	18.5
8 19	20 3.47	-22 54.1	1.663	2.600	10.5	20.8	8 19	20 6.45	-44 37.9	1.071	1.962	19.0	18.7
8 29	19 58.49	-22 46.4	1.744	2.610	14.0	21.1	8 29	20 4.64	-43 56.0	1.136	1.970	22.0	18.9
<b>339148</b>	2004 <i>TT</i> <sub>9</sub>		7 26.3 243°02'	9°9'/ 2.8	18		<b>244732</b>	2003 <i>RJ</i> <sub>14</sub>		7 26.3 7°88' 17°4'	10.7	17	
6 20	20 48.31	+16 3.3	2.895	3.542	14.1	22.1	6 20	20 39.48	+19 7.5	1.147	1.889	27.3	19.6
6 30	20 43.23	+16 47.5	2.784	3.518	12.9	21.9	6 30	20 38.13	+19 56.9	1.088	1.889	25.2	19.4
7 10	20 36.54	+17 13.0	2.690	3.494	11.6	21.8	7 10	20 34.01	+20 0.2	1.039	1.891	22.8	19.3
7 20	20 28.59	+17 16.5	2.617	3.469	10.5	21.7	7 20	20 27.78	+19 9.2	1.002	1.894	20.4	19.1
7 30	20 19.96	+16 55.8	2.567	3.443	9.9	21.6	7 30	20 20.58	+17 20.0	0.981	1.898	18.4	19.0
8 9	20 11.32	+16 11.4	2.541	3.415	10.0	21.5	8 9	20 13.81	+14 37.4	0.978	1.904	17.4	19.0
8 19	20 3.36	+15 5.6	2.540	3.387	10.8	21.6	8 19	20 8.77	+11 14.5	0.995	1.912	17.9	19.0
8 29	19 56.73	+13 42.9	2.563	3.358	12.2	21.6	8 29	20 6.49	+ 7 29.8	1.031	1.920	19.6	19.2
<b>177219</b>	2003 <i>UO</i> <sub>175</sub>		7 26.3 179°66'	4°6'/28.5	17		<b>336329</b>	2008 <i>TR</i> <sub>86</sub>		7 26.3 211°90'	5°7'/29.9	18	
6 20	20 50.08	- 7 47.1	1.620	2.449	17.0	20.4	6 20	20 47.34	- 1 58.4	2.140	2.930	14.7	21.7
6 30	20 45.38	- 7 29.4	1.544	2.449	13.7	20.2	6 30	20 42.80	- 1 43.1	2.051	2.925	12.2	21.5
7 10	20 38.25	- 7 27.4	1.488	2.450	9.9	19.9	7 10	20 36.39	- 1 44.0	1.983	2.920	9.4	21.3
7 20	20 29.33	- 7 41.2	1.454	2.450	6.2	19.7	7 20	20 28.59	- 2 1.9	1.939	2.914	6.9	21.2
7 30	20 19.59	- 8 8.9	1.446	2.450	4.6	19.6	7 30	20 20.12	- 2 36.0	1.920	2.908	5.7	21.1
8 9	20 10.22	- 8 46.8	1.464	2.449	7.2	19.8	8 9	20 11.85	- 3 23.4	1.929	2.902	6.9	21.2
8 19	20 2.30	- 9 30.4	1.506	2.449	11.0	20.0	8 19	20 4.59	- 4 20.1	1.963	2.895	9.5	21.3
8 29	19 56.71	-10 15.0	1.571	2.448	14.7	20.2	8 29	19 59.06	- 5 21.2	2.022	2.887	12.4	21.5
<b>243875</b>	2000 <i>XB</i> <sub>40</sub>		7 26.3 330°37'	6°0'/24.6	18		<b>284276</b>	2006 <i>JL</i> <sub>10</sub>		7 26.3 351°73'	0°7'/25.9	18	
6 20	20 55.28	-34 56.9	1.651	2.511	15.3	18.7	6 20	20 47.73	-19 41.1	1.634	2.498	15.2	20.8
6 30	20 49.80	-34 58.1	1.566	2.492	12.2	18.5	6 30	20 43.69	-19 59.6	1.561	2.495	11.6	20.6
7 10	20 41.30	-34 50.5	1.502	2.473	8.9	18.3	7 10	20 37.22	-20 25.1	1.509	2.493	7.5	20.3
7 20	20 30.57	-34 28.1	1.461	2.456	6.4	18.1	7 20	20 28.96	-20 54.0	1.480	2.492	2.9	20.0
7 30	20 18.89	-33 46.1	1.446	2.438	6.5	18.0	7 30	20 19.92	-21 21.8	1.478	2.490	2.1	20.0
8 9	20 7.80	-32 43.6	1.456	2.422	9.4	18.2	8 9	20 11.28	-21 44.5	1.501	2.489	6.6	20.3
8 19	19 58.66	-31 23.5	1.490	2.407	13.0	18.3	8 19	20 4.13	-21 59.6	1.548	2.489	10.9	20.5
8 29	19 52.46	-29 51.2	1.546	2.392	16.5	18.5	8 29	19 59.33	-22 5.9	1.617	2.489	14.6	20.7
<b>328469</b>	2009 <i>BR</i> <sub>96</sub>		7 26.3 279°18'	5°5'/30.2	17		<b>25</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>512427</b>	2016 <i>PS</i> <sub>89</sub>		7 26.3 245°94	1.3°/27.3	18		<b>399065</b>	2014 <i>BQ</i> <sub>2</sub>		7 26.3 219°20	0°5/26.1	17	R
6 20	20 46.97	-12 4.5	2.075	2.908	13.6	22.0	6 20	20 52.02	-20 35.5	1.942	2.790	13.8	21.0
6 30	20 42.71	-12 46.3	1.982	2.897	10.6	21.8	6 30	20 46.59	-20 33.4	1.861	2.787	10.6	20.7
7 10	20 36.45	-13 41.5	1.912	2.886	7.1	21.5	7 10	20 38.92	-20 35.1	1.802	2.783	6.8	20.5
7 20	20 28.66	-14 47.5	1.867	2.874	3.3	21.3	7 20	20 29.63	-20 38.0	1.768	2.779	2.7	20.2
7 30	20 20.08	-15 59.9	1.850	2.862	1.7	21.1	7 30	20 19.63	-20 39.1	1.762	2.775	1.7	20.2
8 9	20 11.63	-17 13.5	1.860	2.850	5.5	21.4	8 9	20 10.01	-20 36.2	1.783	2.770	5.9	20.4
8 19	20 4.21	-18 23.5	1.898	2.838	9.3	21.6	8 19	20 1.75	-20 28.2	1.830	2.766	9.8	20.7
8 29	19 58.62	-19 26.1	1.960	2.825	12.7	21.8	8 29	19 55.64	-20 14.9	1.901	2.761	13.3	20.9
<b>187517</b>	2006 <i>TA</i> <sub>109</sub>		7 26.3 171°63	1°4/25.2	18		<b>171564</b>	1999 <i>TX</i> <sub>219</sub>		7 26.3 352°72	0°5/26.5	18	
6 20	20 47.88	-22 37.0	2.998	3.836	9.7	22.8	6 20	20 49.87	-19 13.6	1.185	2.065	18.8	19.3
6 30	20 42.70	-23 9.4	2.918	3.840	7.4	22.7	6 30	20 46.10	-18 53.0	1.118	2.060	14.5	19.0
7 10	20 36.06	-23 44.3	2.864	3.843	4.7	22.5	7 10	20 39.16	-18 39.4	1.070	2.057	9.5	18.7
7 20	20 28.39	-24 18.7	2.837	3.846	2.1	22.3	7 20	20 29.85	-18 30.1	1.043	2.054	3.8	18.4
7 30	20 20.28	-24 49.9	2.839	3.848	2.0	22.3	7 30	20 19.50	-18 22.0	1.039	2.052	2.1	18.3
8 9	20 12.39	-25 15.4	2.871	3.850	4.6	22.5	8 9	20 9.78	-18 12.3	1.058	2.051	7.8	18.6
8 19	20 5.34	-25 33.9	2.931	3.851	7.2	22.7	8 19	20 2.11	-17 59.4	1.099	2.051	13.1	18.9
8 29	19 59.67	-25 44.8	3.016	3.851	9.6	22.9	8 29	19 57.55	-17 42.8	1.160	2.052	17.6	19.2
<b>195568</b>	2002 <i>JB</i> <sub>81</sub>		7 26.3 227°00	11°8/ 2.9	18		<b>101937</b>	1999 <i>RD</i> <sub>23</sub>		7 26.3 57°01	13°3/ 6.9	18	
6 20	20 46.81	+12 32.0	2.024	2.733	17.8	20.1	6 20	20 46.41	+15 22.7	1.386	2.117	23.8	18.7
6 30	20 42.56	+13 41.9	1.944	2.730	16.1	20.0	6 30	20 42.80	+15 38.0	1.331	2.135	21.3	18.5
7 10	20 36.33	+14 28.6	1.880	2.727	14.3	19.9	7 10	20 36.68	+15 13.9	1.289	2.154	18.5	18.4
7 20	20 28.60	+14 47.7	1.836	2.723	12.7	19.7	7 20	20 28.77	+14 6.5	1.264	2.173	15.8	18.3
7 30	20 20.13	+14 36.6	1.814	2.719	11.9	19.7	7 30	20 20.18	+12 16.4	1.259	2.192	13.8	18.2
8 9	20 11.87	+13 56.2	1.813	2.715	12.0	19.7	8 9	20 12.15	+ 9 50.9	1.275	2.211	13.3	18.2
8 19	20 4.68	+12 50.5	1.835	2.711	13.1	19.7	8 19	20 5.78	+ 7 2.0	1.315	2.231	14.4	18.4
8 29	19 59.33	+11 26.0	1.879	2.707	14.7	19.9	8 29	20 1.88	+ 4 3.9	1.376	2.250	16.5	18.5
<b>383979</b>	2008 <i>TO</i> <sub>106</sub>		7 26.3 352°54	3°5/24.6	16		<b>510703</b>	2012 <i>US</i> <sub>165</sub>		7 26.3 248°26	3°3/24.7	18	
6 20	20 49.51	-25 42.1	1.571	2.442	15.4	21.2	6 20	20 53.63	-28 18.9	2.100	2.950	12.9	21.6
6 30	20 45.26	-26 22.2	1.502	2.440	11.8	20.9	6 30	20 47.87	-28 37.5	2.012	2.937	9.9	21.4
7 10	20 38.34	-27 5.0	1.454	2.438	7.8	20.7	7 10	20 39.80	-28 54.8	1.947	2.925	6.7	21.2
7 20	20 29.43	-27 44.6	1.430	2.437	4.2	20.5	7 20	20 30.01	-29 6.6	1.908	2.912	3.9	21.0
7 30	20 19.67	-28 14.8	1.431	2.436	4.4	20.5	7 30	20 19.45	-29 8.6	1.896	2.898	4.0	21.0
8 9	20 10.39	-28 31.5	1.457	2.435	8.1	20.7	8 9	20 9.21	-28 58.6	1.912	2.884	7.0	21.1
8 19	20 2.79	-28 33.3	1.507	2.435	12.1	21.0	8 19	20 0.33	-28 36.4	1.954	2.870	10.4	21.3
8 29	19 57.80	-28 21.1	1.578	2.435	15.6	21.2	8 29	19 53.65	-28 3.5	2.019	2.856	13.5	21.5
<b>506791</b>	2007 <i>CP</i> <sub>19</sub>		7 26.3 238°25	0°1/26.4	18		<b>386399</b>	2008 <i>UF</i> <sub>180</sub>		7 26.3 220°37	0°6/26.0	17	
6 20	20 52.10	-18 34.4	1.845	2.692	14.5	22.0	6 20	20 49.82	-19 47.5	1.974	2.824	13.6	21.8
6 30	20 46.85	-18 37.3	1.756	2.681	11.2	21.8	6 30	20 44.93	-20 4.8	1.893	2.820	10.4	21.6
7 10	20 39.21	-18 46.5	1.690	2.670	7.3	21.5	7 10	20 37.88	-20 27.8	1.835	2.816	6.7	21.4
7 20	20 29.77	-18 59.3	1.649	2.659	2.9	21.2	7 20	20 29.25	-20 53.3	1.801	2.812	2.6	21.1
7 30	20 19.45	-19 12.3	1.634	2.648	1.7	21.1	7 30	20 19.90	-21 17.5	1.795	2.808	1.8	21.0
8 9	20 9.42	-19 22.6	1.647	2.636	6.2	21.4	8 9	20 10.87	-21 37.1	1.816	2.803	5.9	21.3
8 19	20 0.74	-19 28.2	1.686	2.623	10.4	21.6	8 19	20 3.11	-21 50.2	1.863	2.799	9.7	21.5
8 29	19 54.31	-19 28.2	1.747	2.610	14.1	21.8	8 29	19 57.40	-21 55.8	1.934	2.794	13.1	21.7
<b>89875</b>	2002 <i>CP</i> <sub>173</sub>		7 26.3 210°18	0°4/26.6	18		<b>173333</b>	1999 <i>VK</i> <sub>217</sub>		7 26.3 26°19	2°3/25.3	17	
6 20	20 45.69	-15 24.1	2.512	3.347	11.5	19.9	6 20	20 50.10	-21 48.9	1.354	2.228	17.2	20.6
6 30	20 41.34	-15 58.4	2.425	3.343	8.8	19.7	6 30	20 46.00	-22 29.1	1.290	2.230	13.1	20.4
7 10	20 35.35	-16 40.9	2.362	3.339	5.7	19.5	7 10	20 38.98	-23 16.7	1.246	2.233	8.4	20.1
7 20	20 28.16	-17 29.0	2.326	3.335	2.4	19.3	7 20	20 29.77	-24 5.5	1.225	2.235	3.7	19.8
7 30	20 20.41	-18 19.4	2.318	3.331	1.2	19.2	7 30	20 19.62	-24 48.7	1.228	2.238	3.4	19.8
8 9	20 12.85	-19 8.5	2.338	3.327	4.7	19.5	8 9	20 10.03	-25 20.7	1.256	2.242	8.1	20.1
8 19	20 6.17	-19 53.4	2.387	3.322	7.9	19.7	8 19	20 2.33	-25 38.9	1.307	2.245	12.7	20.4
8 29	20 1.00	-20 31.9	2.460	3.317	10.7	19.8	8 29	19 57.51	-25 43.0	1.378	2.249	16.7	20.6
<b>505789</b>	2015 <i>BG</i> <sub>299</sub>		7 26.3 92°07	1°6/27.3	17		<b>339141</b>	2004 <i>TJ</i>		7 26.4 300°65	3°8/24.6	18	
6 20	20 49.18	-12 39.8	1.759	2.599	15.3	21.5	6 20	20 50.37	-26 27.6	1.593	2.462	15.3	20.8
6 30	20 44.41	-13 5.8	1.696	2.615	11.9	21.4	6 30	20 46.13	-27 2.6	1.509	2.445	11.8	20.6
7 10	20 37.47	-13 44.4	1.655	2.631	7.9	21.2	7 10	20 39.09	-27 40.0	1.446	2.429	7.9	20.3
7 20	20 29.01	-14 32.6	1.639	2.646	3.7	20.9	7 20	20 29.86	-28 14.0	1.406	2.413	4.4	20.0
7 30	20 19.95	-15 25.9	1.649	2.662	2.0	20.8	7 30	20 19.55	-28 38.3	1.392	2.397	4.6	20.0
8 9	20 11.37	-16 19.3	1.686	2.677	5.8	21.1	8 9	20 9.54	-28 48.4	1.403	2.381	8.4	20.2
8 19	20 4.19	-17 8.8	1.749	2.692	9.8	21.4	8 19	20 1.16	-28 43.0	1.438	2.365	12.6	20.4
8 29	19 59.16	-17 51.4	1.836	2.706	13.2	21.6	8 29	19 55.45	-28 23.1	1.493	2.350	16.4	20.6
<b>439253</b>	2012 <i>TT</i> <sub>282</sub>		7 26.3 273°14	2°7/27.8	18		<b>64064</b>	2001 <i>SC</i> <sub>268</sub>		7 26.4 129°28	3°0/27.8	17	
6 20	20 47.40	-11 6.3	1.910	2.744	14.6	21.4	6 20	20 50.82	-10 50.7	1.432	2.278	17.9	19.5
6 30	20 43.19	-11 5.7	1.816	2.729	11.5	21.2	6 30	20 46.24	-10 54.0	1.364	2.283	14.1	19.3
7 10	20 36.83	-11 17.3	1.744	2.715	8.0	20.9	7 10	20 38.99	-11 13.4	1.315	2.288	9.7	19.0
7 20	20 28.83	-11 40.0	1.697	2.700	4.4	20.7	7 20	20 29.76	-11 47.1	1.288	2.292	5.1	18.8
7 30	20 20.00	-12 11.5	1.675	2.685	2.9	20.6	7 30	20 19.66	-12 31.3	1.286	2.297	3.3	18.7
8 9	20 11.33	-12 48.3	1.681	2.670	6.0	20.7	8 9	20 10.03	-13 20.5	1.310	2.301	7.1	18.9
8 19	20 3.80	-13 26.9	1.712	2.655	9.9	20.9	8 19	20 2.08	-14 9.6	1.358	2.305	11.6	19.2
8 29	19 58.23	-14 3.7	1.766	2.639	13.5	21.1	8 29	19 56.75	-14 54.3	1.427	2.309	15.6	19.4
<b>510634</b>	2012 <i>TN</i> <sub>201</sub>		7 26.3 269°35	2°4/24.9	18		<b>65008</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>386276</b>	2008 <i>OB</i> <sub>25</sub>	7 26.4 317°96		0°4/26.6 18			<b>386815</b>	2010 <i>FN</i> <sub>94</sub>	7 26.4 78°83		0°3/26.5 17		
6 20	20 45.76	-16 7.7	1.458	2.325	16.6	20.7	6 20	20 48.15	-16 8.7	1.853	2.701	14.4	21.3
6 30	20 42.65	-16 31.6	1.373	2.309	12.8	20.5	6 30	20 43.64	-16 38.4	1.788	2.713	11.0	21.1
7 10	20 36.88	-17 8.5	1.308	2.293	8.4	20.2	7 10	20 37.02	-17 17.5	1.745	2.725	7.1	20.9
7 20	20 29.01	-17 54.9	1.266	2.277	3.5	19.8	7 20	20 28.93	-18 2.5	1.726	2.737	2.9	20.7
7 30	20 20.05	-18 45.8	1.249	2.263	1.9	19.7	7 30	20 20.24	-18 49.0	1.735	2.749	1.5	20.6
8 9	20 11.31	-19 35.3	1.256	2.248	7.1	20.0	8 9	20 11.97	-19 32.6	1.771	2.760	5.7	20.9
8 19	20 4.06	-20 18.5	1.287	2.235	12.0	20.2	8 19	20 5.03	-20 10.1	1.832	2.772	9.6	21.2
8 29	19 59.36	-20 51.9	1.338	2.222	16.3	20.4	8 29	20 0.14	-20 39.6	1.917	2.784	12.9	21.4
<b>337176</b>	1999 <i>VQ</i> <sub>75</sub>	7 26.4 299°81		1°4/27.0 18			<b>389031</b>	2008 <i>UT</i> <sub>323</sub>	7 26.4 188°71		4°4/29.1 18		
6 20	20 47.12	-14 41.6	1.698	2.551	15.3	21.9	6 20	20 49.15	-5 10.6	2.467	3.259	12.9	21.9
6 30	20 43.34	-14 48.0	1.605	2.531	12.0	21.7	6 30	20 43.92	-4 46.4	2.379	3.258	10.5	21.7
7 10	20 37.16	-15 5.3	1.532	2.511	8.0	21.4	7 10	20 37.01	-4 33.9	2.313	3.257	7.9	21.5
7 20	20 29.09	-15 31.8	1.482	2.491	3.6	21.1	7 20	20 28.90	-4 33.4	2.272	3.255	5.5	21.4
7 30	20 20.02	-16 4.2	1.459	2.472	2.0	20.9	7 30	20 20.24	-4 44.3	2.259	3.252	4.5	21.3
8 9	20 11.09	-16 38.3	1.461	2.452	6.4	21.2	8 9	20 11.79	-5 4.7	2.274	3.249	5.9	21.4
8 19	20 3.44	-17 10.4	1.488	2.433	10.9	21.4	8 19	20 4.26	-5 32.2	2.316	3.245	8.4	21.6
8 29	19 58.02	-17 37.5	1.536	2.414	14.9	21.6	8 29	19 58.29	-6 3.7	2.383	3.241	11.0	21.7
<b>279471</b>	2010 <i>VC</i> <sub>23</sub>	7 26.4 226°80		0°1/26.4 18			<b>482755</b>	2013 <i>GQ</i> <sub>14</sub>	7 26.4 155°24		4°8/22.5 18		
6 20	20 46.19	-17 24.9	2.625	3.462	11.0	21.6	6 20	20 49.58	-33 2.0	2.573	3.421	10.9	22.1
6 30	20 41.68	-17 44.6	2.535	3.455	8.4	21.4	6 30	20 44.46	-34 5.2	2.506	3.425	8.5	22.0
7 10	20 35.57	-18 10.2	2.470	3.448	5.4	21.2	7 10	20 37.46	-35 5.6	2.464	3.429	6.3	21.8
7 20	20 28.31	-18 39.5	2.431	3.441	2.2	21.0	7 20	20 29.09	-35 58.3	2.448	3.433	4.9	21.7
7 30	20 20.51	-19 9.8	2.420	3.433	1.2	20.9	7 30	20 20.14	-36 38.6	2.459	3.437	5.4	21.8
8 9	20 12.90	-19 38.3	2.438	3.426	4.5	21.1	8 9	20 11.48	-37 3.8	2.498	3.440	7.3	21.9
8 19	20 6.15	-20 2.9	2.484	3.418	7.7	21.3	8 19	20 3.94	-37 13.3	2.562	3.443	9.6	22.1
8 29	20 0.87	-20 22.3	2.554	3.410	10.4	21.5	8 29	19 58.20	-37 8.1	2.649	3.446	11.8	22.2
<b>211245</b>	2002 <i>QB</i> <sub>56</sub>	7 26.4 320°28		1°6/25.8 18			<b>497238</b>	2005 <i>EH</i> <sub>114</sub>	7 26.4 184°77		3°1/28.1 17		
6 20	20 49.90	-23 13.7	1.628	2.494	15.2	19.7	6 20	20 49.16	-9 29.4	1.571	2.409	17.0	21.8
6 30	20 45.55	-23 13.3	1.544	2.479	11.7	19.4	6 30	20 44.86	-9 44.2	1.495	2.409	13.5	21.6
7 10	20 38.58	-23 15.4	1.480	2.465	7.6	19.2	7 10	20 38.08	-10 16.2	1.439	2.409	9.4	21.3
7 20	20 29.63	-23 16.4	1.441	2.451	3.2	18.9	7 20	20 29.44	-11 3.4	1.406	2.409	5.1	21.1
7 30	20 19.74	-23 12.6	1.427	2.438	2.6	18.8	7 30	20 19.93	-12 2.1	1.399	2.408	3.3	21.0
8 9	20 10.22	-23 1.4	1.438	2.426	7.1	19.0	8 9	20 10.75	-13 6.3	1.417	2.408	6.7	21.2
8 19	20 2.24	-22 42.1	1.474	2.414	11.5	19.3	8 19	20 3.04	-14 10.4	1.461	2.407	11.0	21.4
8 29	19 56.77	-22 15.2	1.532	2.402	15.3	19.5	8 29	19 57.71	-15 9.5	1.526	2.406	14.9	21.7
<b>391545</b>	2007 <i>TB</i> <sub>1</sub>	7 26.4 241°94		18°0/16.0 17			<b>250864</b>	2005 <i>UJ</i> <sub>340</sub>	7 26.4 0°15		4°4/29.2 18		
6 20	21 10.54	-52 34.1	1.233	2.065	21.1	20.4	6 20	20 44.82	-5 55.1	2.087	2.902	14.2	20.6
6 30	21 4.87	-54 58.9	1.184	2.055	19.3	20.2	6 30	20 40.93	-5 45.0	2.007	2.901	11.5	20.4
7 10	20 53.03	-57 3.1	1.151	2.045	18.2	20.1	7 10	20 35.23	-5 49.1	1.947	2.901	8.5	20.2
7 20	20 35.87	-58 27.8	1.137	2.034	18.1	20.1	7 20	20 28.23	-6 7.2	1.912	2.901	5.6	20.1
7 30	20 16.10	-58 57.6	1.141	2.023	19.1	20.1	7 30	20 20.64	-6 38.0	1.902	2.901	4.4	20.0
8 9	19 57.63	-58 28.5	1.162	2.011	20.9	20.2	8 9	20 13.31	-7 18.3	1.919	2.902	6.1	20.1
8 19	19 43.75	-57 8.1	1.199	1.999	23.1	20.3	8 19	20 7.01	-8 4.3	1.962	2.902	9.0	20.3
8 29	19 36.17	-55 10.2	1.249	1.987	25.3	20.4	8 29	20 2.41	-8 52.2	2.028	2.903	12.0	20.5
<b>222467</b>	2001 <i>RA</i> <sub>106</sub>	7 26.4 287°32		1°3/25.7 18			<b>170503</b>	2003 <i>WU</i> <sub>10</sub>	7 26.4 78°86		5°5/23.4 17		
6 20	20 48.95	-19 45.8	1.611	2.474	15.5	20.7	6 20	20 52.30	-32 6.4	1.859	2.718	13.9	19.7
6 30	20 45.02	-20 22.6	1.518	2.452	11.9	20.4	6 30	20 47.10	-32 57.0	1.796	2.723	10.8	19.5
7 10	20 38.41	-21 9.1	1.446	2.430	7.7	20.1	7 10	20 39.39	-33 44.3	1.756	2.728	7.8	19.4
7 20	20 29.64	-22 0.7	1.397	2.409	3.1	19.8	7 20	20 29.90	-34 22.0	1.740	2.733	5.7	19.2
7 30	20 19.70	-22 51.7	1.375	2.387	2.6	19.7	7 30	20 19.71	-34 44.4	1.750	2.738	6.1	19.3
8 9	20 9.86	-23 36.1	1.378	2.365	7.4	19.9	8 9	20 10.05	-34 48.8	1.786	2.743	8.7	19.4
8 19	20 1.42	-24 9.9	1.405	2.343	12.0	20.1	8 19	20 2.02	-34 35.2	1.846	2.748	11.7	19.6
8 29	19 55.49	-24 31.3	1.454	2.321	16.2	20.3	8 29	19 56.45	-34 6.3	1.928	2.753	14.5	19.8
<b>6297</b>	1988 <i>VZ</i> <sub>1</sub>	7 26.4 147°30		0°1/26.3 18			<b>478642</b>	2012 <i>TM</i> <sub>196</sub>	7 26.4 265°60		2°7/24.9 18		
6 20	20 46.85	-18 16.6	2.648	3.485	10.9	18.0	6 20	20 50.79	-25 23.3	1.878	2.736	13.8	21.4
6 30	20 42.08	-18 35.5	2.571	3.491	8.3	17.8	6 30	20 45.85	-25 49.8	1.803	2.734	10.5	21.2
7 10	20 35.76	-18 59.4	2.518	3.497	5.3	17.7	7 10	20 38.57	-26 18.1	1.750	2.732	6.9	21.0
7 20	20 28.37	-19 26.0	2.492	3.502	2.1	17.4	7 20	20 29.59	-26 43.5	1.722	2.730	3.5	20.8
7 30	20 20.52	-19 52.5	2.494	3.507	1.2	17.4	7 30	20 19.88	-27 1.5	1.721	2.727	3.5	20.8
8 9	20 12.94	-20 16.6	2.525	3.512	4.5	17.6	8 9	20 10.57	-27 9.0	1.746	2.725	6.9	21.0
8 19	20 6.27	-20 36.4	2.584	3.517	7.5	17.8	8 19	20 2.70	-27 5.0	1.797	2.723	10.6	21.2
8 29	20 1.09	-20 50.8	2.668	3.521	10.1	18.0	8 29	19 57.08	-26 50.2	1.870	2.720	13.9	21.4
<b>253593</b>	2003 <i>TG</i> <sub>13</sub>	7 26.4 231°05		3°4/28.1 18			<b>289055</b>	2004 <i>TA</i> <sub>182</sub>	7 26.4 223°20		6°7/22.1 18		
6 20	20 50.29	-9 48.6	1.697	2.529	16.2	21.0	6 20	20 56.17	-37 27.8	2.211	3.052	12.6	21.3
6 30	20 45.64	-9 45.2	1.610	2.521	12.9	20.8	6 30	20 50.01	-38 27.5	2.133	3.042	10.3	21.1
7 10	20 38.56	-9 56.3	1.544	2.512	9.1	20.6	7 10	20 41.31	-39 21.4	2.078	3.032	8.1	21.0
7 20	20 29.62	-10 21.0	1.501	2.503	5.2	20.3	7 20	20 30.71	-40 2.8	2.048	3.021	6.8	20.9
7 30	20 19.76	-10 56.8	1.485	2.493	3.5	20.2	7 30	20 19.22	-40 25.7	2.045	3.010	7.3	20.9
8 9	20 10.12	-11 39.8	1.494	2.483	6.7	20.4	8 9	20 8.10	-40 27.3	2.069	2.998	9.3	21.0
8 19	20 1.82	-12 25.4	1.529	2.472	10.8	20.6	8 19	19 58.48	-40 8.0	2.116	2.985	11.8	21.1
8 29	19 55.80	-13 9.4	1.586	2.461	14.7	20.8	8 29	19 51.29	-39 30.8	2.185	2.972	14.3	21.3
<b>99642</b>	2002 <i>GM</i> <sub>151</sub>	7 26.4 187°33		1°6/27.2 18			<b>10225</b>	1997 <i>VQ</i> <sub>1</sub>	7 26.4 259°21		3°9/28.5 18		
6 20	20 50.43	-13											

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>435599</b>	2008 <i>SQ</i> <sub>39</sub>		7 26.4 150°68	7.6/31.9	18		<b>268873</b>	2007 <i>AK</i> <sub>11</sub>		7 26.4 303°25	0°1/26.4	18	
6 20	20 46.99	+ 4 12.5	2.126	2.885	15.7	21.3	6 20	20 48.66	-18 7.2	1.414	2.282	16.9	20.5
6 30	20 42.52	+ 4 31.4	2.048	2.890	13.4	21.1	6 30	20 45.16	-18 15.9	1.320	2.256	13.2	20.2
7 10	20 36.23	+ 4 29.9	1.989	2.895	11.0	21.0	7 10	20 38.72	-18 34.5	1.246	2.231	8.7	19.9
7 20	20 28.63	+ 4 6.7	1.952	2.900	8.8	20.9	7 20	20 29.89	-18 59.9	1.195	2.206	3.5	19.5
7 30	20 20.44	+ 3 22.2	1.940	2.905	7.6	20.8	7 30	20 19.71	-19 27.6	1.167	2.181	2.0	19.4
8 9	20 12.51	+ 2 19.6	1.954	2.909	8.2	20.8	8 9	20 9.63	-19 52.7	1.165	2.156	7.6	19.6
8 19	20 5.63	+ 1 3.8	1.993	2.913	10.1	21.0	8 19	20 1.09	-20 11.4	1.185	2.132	12.9	19.9
8 29	20 0.47	- 0 19.2	2.057	2.916	12.4	21.1	8 29	19 55.33	-20 21.7	1.225	2.108	17.5	20.1
<b>208566</b>	2002 <i>CP</i> <sub>19</sub>		7 26.4 308°28	3°1/25.3	17		<b>252117</b>	2000 <i>WA</i> <sub>55</sub>		7 26.4 218°50	4°0/27.5	18	
6 20	20 52.24	-24 58.1	1.246	2.125	18.0	19.6	6 20	20 57.98	-11 35.0	1.916	2.731	15.3	20.4
6 30	20 48.18	-25 12.6	1.169	2.112	13.9	19.4	6 30	20 51.21	-10 37.4	1.822	2.722	12.2	20.2
7 10	20 40.75	-25 30.0	1.111	2.098	9.2	19.1	7 10	20 42.02	-9 46.7	1.751	2.713	8.7	20.0
7 20	20 30.64	-25 44.3	1.075	2.085	4.4	18.7	7 20	20 31.02	-9 3.7	1.706	2.703	5.2	19.8
7 30	20 19.24	-25 49.4	1.063	2.072	4.1	18.7	7 30	20 19.15	-8 28.9	1.688	2.692	4.1	19.7
8 9	20 8.31	-25 41.0	1.074	2.060	9.0	18.9	8 9	20 7.57	-8 2.3	1.700	2.680	6.9	19.8
8 19	19 59.45	-25 18.6	1.106	2.048	14.2	19.2	8 19	19 57.35	-7 42.9	1.738	2.668	10.6	20.0
8 29	19 53.90	-24 44.0	1.159	2.037	18.7	19.4	8 29	19 49.38	-7 29.5	1.800	2.655	14.1	20.2
<b>65834</b>	1996 <i>XK</i> <sub>7</sub>		7 26.4 244°09	0°8/26.8	18		<b>348517</b>	2005 <i>UK</i> <sub>38</sub>		7 26.4 291°90	0°6/26.8	17	
6 20	20 51.07	-15 24.3	1.766	2.610	15.1	19.3	6 20	20 46.73	-16 7.8	2.172	3.014	12.8	21.7
6 30	20 46.29	-15 44.0	1.673	2.596	11.8	19.0	6 30	20 42.60	-16 20.7	2.067	2.989	9.9	21.5
7 10	20 39.05	-16 14.6	1.603	2.581	7.8	18.7	7 10	20 36.49	-16 41.7	1.986	2.964	6.5	21.2
7 20	20 29.87	-16 53.6	1.556	2.566	3.3	18.4	7 20	20 28.84	-17 8.8	1.929	2.939	2.8	21.0
7 30	20 19.69	-17 36.5	1.536	2.550	1.7	18.3	7 30	20 20.37	-17 39.1	1.900	2.913	1.5	20.8
8 9	20 9.66	-18 18.9	1.543	2.533	6.4	18.5	8 9	20 11.98	-18 9.2	1.898	2.888	5.4	21.0
8 19	20 0.94	-18 56.7	1.576	2.516	10.8	18.8	8 19	20 4.54	-18 36.5	1.922	2.862	9.2	21.2
8 29	19 54.49	-19 27.4	1.632	2.499	14.7	19.0	8 29	19 58.87	-18 58.7	1.971	2.836	12.6	21.4
<b>179370</b>	2001 <i>XV</i> <sub>226</sub>		7 26.4 335°38	2°8/27.6	18		<b>195428</b>	2002 <i>GW</i> <sub>54</sub>		7 26.4 81°08	2°7/27.9	17	
6 20	20 47.96	-12 40.2	1.914	2.752	14.4	19.9	6 20	20 48.75	-11 2.8	1.763	2.600	15.5	20.7
6 30	20 43.51	-12 14.1	1.832	2.748	11.3	19.7	6 30	20 44.15	-11 3.7	1.697	2.611	12.1	20.5
7 10	20 36.99	-11 57.0	1.772	2.743	7.8	19.5	7 10	20 37.40	-11 17.5	1.652	2.622	8.3	20.3
7 20	20 28.96	-11 48.4	1.736	2.739	4.3	19.3	7 20	20 29.14	-11 42.4	1.630	2.634	4.5	20.1
7 30	20 20.26	-11 47.1	1.727	2.736	2.9	19.2	7 30	20 20.27	-12 15.6	1.635	2.645	2.9	20.0
8 9	20 11.87	-11 51.1	1.744	2.732	5.9	19.4	8 9	20 11.84	-12 53.2	1.666	2.656	6.0	20.2
8 19	20 4.70	-11 58.2	1.787	2.729	9.6	19.6	8 19	20 4.78	-13 31.2	1.723	2.667	9.8	20.4
8 29	19 59.50	-12 6.4	1.853	2.726	12.9	19.8	8 29	19 59.82	-14 6.5	1.803	2.679	13.2	20.7
<b>446200</b>	2013 <i>GG</i> <sub>2</sub>		7 26.4 141°50	3°0/28.8	18		<b>132462</b>	2002 <i>HT</i> <sub>12</sub>		7 26.4 31°55	14°6/15.2	18	
6 20	20 45.52	- 7 24.5	2.776	3.579	11.4	21.9	6 20	20 52.12	-40 19.7	1.103	1.987	19.5	18.3
6 30	20 40.96	- 7 25.1	2.697	3.587	9.1	21.7	6 30	20 49.43	-44 4.3	1.072	1.996	16.7	18.1
7 10	20 35.01	- 7 36.0	2.641	3.596	6.5	21.6	7 10	20 42.33	-47 36.0	1.063	2.007	14.9	18.1
7 20	20 28.09	- 7 56.4	2.611	3.603	4.1	21.4	7 20	20 31.51	-50 34.0	1.076	2.018	14.9	18.1
7 30	20 20.77	- 8 24.8	2.609	3.611	3.0	21.4	7 30	20 18.82	-52 42.1	1.110	2.030	16.4	18.2
8 9	20 13.68	- 8 58.9	2.635	3.618	4.6	21.5	8 9	20 6.84	-53 54.6	1.163	2.043	18.7	18.4
8 19	20 7.39	- 9 36.0	2.690	3.625	7.1	21.7	8 19	19 57.91	-54 15.7	1.232	2.057	21.2	18.7
8 29	20 2.43	-10 13.5	2.770	3.632	9.5	21.8	8 29	19 53.57	-53 55.5	1.314	2.071	23.4	18.9
<b>491052</b>	2011 <i>QJ</i> <sub>50</sub>		7 26.4 277°01	3°4/28.5	17		<b>240354</b>	2003 <i>ST</i> <sub>5</sub>		7 26.4 343°41	8°5/31.1	17	
6 20	20 46.23	- 8 14.9	2.075	2.897	14.0	22.2	6 20	20 41.61	- 0 2.7	1.377	2.202	19.6	19.5
6 30	20 42.20	- 8 17.4	1.976	2.878	11.3	22.0	6 30	20 39.44	+ 0 28.4	1.299	2.191	16.6	19.3
7 10	20 36.21	- 8 33.4	1.898	2.860	8.1	21.7	7 10	20 34.80	+ 0 34.5	1.238	2.181	13.3	19.0
7 20	20 28.70	- 9 2.6	1.844	2.841	4.9	21.5	7 20	20 28.24	+ 0 12.5	1.196	2.172	10.2	18.8
7 30	20 20.39	- 9 43.0	1.817	2.822	3.5	21.4	7 30	20 20.73	- 0 37.4	1.176	2.164	8.5	18.7
8 9	20 12.18	-10 31.1	1.816	2.803	5.9	21.5	8 9	20 13.46	- 1 51.0	1.179	2.157	9.6	18.8
8 19	20 4.95	-11 23.0	1.842	2.784	9.4	21.7	8 19	20 7.61	- 3 20.7	1.204	2.151	12.7	18.9
8 29	19 59.49	-12 14.6	1.892	2.765	12.7	21.8	8 29	20 4.15	- 4 57.5	1.249	2.146	16.3	19.1
<b>437188</b>	2012 <i>VJ</i> <sub>99</sub>		7 26.4 285°06	1°5/25.4	18		<b>489685</b>	2007 <i>VY</i> <sub>85</sub>		7 26.4 330°12	23°5/ 3.4	17	
6 20	20 47.78	-20 9.5	1.821	2.679	14.1	20.9	6 20	20 46.62	+16 28.8	1.022	1.784	28.9	20.5
6 30	20 43.79	-20 56.1	1.730	2.662	10.8	20.7	6 30	20 44.21	+19 40.8	0.966	1.775	27.2	20.3
7 10	20 37.45	-21 51.4	1.661	2.645	7.0	20.4	7 10	20 38.44	+22 18.5	0.921	1.766	25.6	20.1
7 20	20 29.25	-22 51.0	1.617	2.628	2.9	20.1	7 20	20 29.87	+24 7.8	0.890	1.759	24.3	20.0
7 30	20 20.07	-23 49.0	1.599	2.610	2.6	20.1	7 30	20 19.75	+24 57.2	0.871	1.752	23.6	19.9
8 9	20 11.03	-24 40.1	1.608	2.593	6.8	20.3	8 9	20 9.83	+24 42.7	0.866	1.746	23.6	19.9
8 19	20 3.24	-25 20.3	1.643	2.576	10.9	20.5	8 19	20 1.83	+23 28.7	0.874	1.740	24.5	19.9
8 29	19 57.64	-25 47.9	1.699	2.558	14.6	20.7	8 29	19 57.22	+21 27.2	0.894	1.736	25.9	20.0
<b>465581</b>	2008 <i>YD</i> <sub>59</sub>		7 26.4 141°22	1°9/25.5	17		<b>372973</b>	2011 <i>CV</i> <sub>27</sub>		7 26.4 232°68	1°4/25.6	17	
6 20	20 52.11	-20 53.8	1.366	2.235	17.3	21.6	6 20	20 51.93	-21 8.3	1.842	2.694	14.3	22.0
6 30	20 47.58	-21 33.9	1.299	2.237	13.2	21.4	6 30	20 46.87	-21 37.7	1.756	2.684	10.9	21.8
7 10	20 40.06	-22 22.4	1.252	2.238	8.5	21.1	7 10	20 39.37	-22 13.0	1.692	2.674	7.1	21.5
7 20	20 30.30	-23 13.3	1.229	2.240	3.6	20.8	7 20	20 30.01	-22 50.2	1.653	2.663	2.9	21.2
7 30	20 19.54	-23 59.8	1.230	2.241	3.1	20.8	7 30	20 19.74	-23 24.3	1.641	2.652	2.5	21.2
8 9	20 9.31	-24 35.8	1.256	2.242	8.0	21.1	8 9	20 9.73	-23 51.1	1.656	2.640	6.6	21.4
8 19	20 0.97	-24 58.4	1.305	2.244	12.7	21.4	8 19	20 1.08	-24 8.3	1.696	2.628	10.7	21.6
8 29	19 55.56	-25 7.3	1.375	2.245	16.8	21.6	8 29	19 54.71	-24 15.1	1.760	2.615	14.4	21.8
<b>427718</b>	2004 <i>GY</i> <sub>51</sub>		7 26.4 164°76	2°9/28.1	17		<b>472870</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>119330</b>	2001 SY <sub>135</sub>	7 26.4 172°44'		0°5'/26.7 18			<b>482698</b>	2013 CF <sub>135</sub>	7 26.4 129°15'		0°8'/27.0 18		
6 20	20 50.85	-16 26.8	1.920	2.762	14.2	20.5	6 20	20 46.14	-14 20.3	2.434	3.266	11.9	21.4
6 30	20 45.74	-16 43.2	1.843	2.765	10.9	20.3	6 30	20 41.72	-14 47.2	2.357	3.273	9.1	21.2
7 10	20 38.45	-17 8.0	1.788	2.767	7.1	20.1	7 10	20 35.67	-15 22.5	2.304	3.279	6.0	21.1
7 20	20 29.59	-17 38.4	1.758	2.768	2.9	19.8	7 20	20 28.47	-16 3.8	2.277	3.285	2.6	20.9
7 30	20 20.03	-18 10.8	1.756	2.769	1.5	19.7	7 30	20 20.77	-16 48.2	2.278	3.291	1.3	20.8
8 9	20 10.81	-18 41.3	1.781	2.770	5.7	20.0	8 9	20 13.33	-17 32.2	2.308	3.297	4.6	21.0
8 19	20 2.89	-19 7.3	1.832	2.770	9.7	20.3	8 19	20 6.83	-18 12.9	2.365	3.303	7.8	21.2
8 29	19 57.06	-19 26.9	1.907	2.770	13.1	20.5	8 29	20 1.88	-18 48.2	2.447	3.308	10.6	21.4
<b>429457</b>	2010 VG <sub>213</sub>	7 26.4 219°37'		0°4'/26.6 17			<b>142989</b>	2002 VK <sub>90</sub>	7 26.4 335°26'		6°1'/22.1 18		
6 20	20 53.25	-17 29.2	1.921	2.761	14.3	22.3	6 20	20 34.64	-21 40.2	0.923	1.841	19.3	18.3
6 30	20 47.71	-17 35.8	1.831	2.752	11.0	22.1	6 30	20 35.59	-23 46.9	0.843	1.808	14.9	17.9
7 10	20 39.83	-17 49.6	1.764	2.743	7.2	21.9	7 10	20 33.28	-26 20.8	0.780	1.776	10.0	17.6
7 20	20 30.18	-18 7.9	1.722	2.732	3.0	21.6	7 20	20 28.01	-29 10.8	0.737	1.746	6.3	17.2
7 30	20 19.68	-18 27.4	1.708	2.721	1.6	21.4	7 30	20 20.87	-31 59.2	0.716	1.718	8.2	17.2
8 9	20 9.43	-18 44.8	1.721	2.710	6.0	21.7	8 9	20 13.70	-34 26.2	0.713	1.693	13.7	17.4
8 19	20 0.48	-18 58.0	1.761	2.698	10.1	21.9	8 19	20 8.54	-36 17.7	0.729	1.670	19.4	17.6
8 29	19 53.71	-19 5.6	1.824	2.685	13.7	22.1	8 29	20 7.21	-37 27.5	0.760	1.650	24.6	17.8
<b>69310</b>	1992 PQ <sub>1</sub>	7 26.4 12°79'		0°4'/26.3 18			<b>164355</b>	2005 CQ <sub>65</sub>	7 26.4 311°45'		1°5'/25.7 18		
6 20	20 49.47	-20 39.1	1.054	1.943	19.8	18.3	6 20	20 50.41	-22 26.2	1.829	2.686	14.1	20.1
6 30	20 46.05	-20 23.7	0.998	1.945	15.2	18.1	6 30	20 45.60	-22 40.5	1.753	2.684	10.8	19.8
7 10	20 39.26	-20 14.7	0.960	1.949	9.8	17.8	7 10	20 38.47	-22 58.5	1.699	2.682	7.0	19.6
7 20	20 30.02	-20 8.7	0.942	1.954	3.9	17.5	7 20	20 29.65	-23 16.3	1.670	2.680	2.9	19.4
7 30	20 19.84	-20 1.7	0.947	1.960	2.3	17.4	7 30	20 20.11	-23 30.2	1.667	2.678	2.4	19.3
8 9	20 10.48	-19 50.7	0.974	1.968	8.2	17.8	8 9	20 10.96	-23 37.0	1.691	2.676	6.4	19.6
8 19	20 3.41	-19 34.4	1.022	1.976	13.6	18.1	8 19	20 3.23	-23 35.5	1.740	2.674	10.3	19.8
8 29	19 59.64	-19 12.9	1.088	1.986	18.1	18.4	8 29	19 57.73	-23 25.6	1.812	2.673	13.8	20.0
<b>287312</b>	2002 TU <sub>250</sub>	7 26.4 311°33'		0°3'/26.5 18			<b>378336</b>	2007 HM <sub>13</sub>	7 26.4 95°62'		2°2'/27.7 17		
6 20	20 47.25	-17 33.2	1.647	2.507	15.3	20.8	6 20	20 50.26	-11 35.3	1.801	2.635	15.3	21.4
6 30	20 43.77	-17 42.4	1.540	2.472	12.0	20.5	6 30	20 45.23	-11 48.4	1.740	2.653	11.9	21.2
7 10	20 37.70	-18 1.0	1.454	2.437	7.9	20.2	7 10	20 38.07	-12 14.0	1.700	2.671	8.1	21.1
7 20	20 29.49	-18 26.4	1.391	2.402	3.3	19.8	7 20	20 29.44	-12 49.8	1.684	2.689	4.1	20.9
7 30	20 20.03	-18 55.0	1.354	2.368	1.8	19.7	7 30	20 20.26	-13 32.2	1.695	2.706	2.4	20.8
8 9	20 10.52	-19 22.3	1.342	2.334	6.9	19.9	8 9	20 11.57	-14 16.9	1.734	2.724	5.8	21.0
8 19	20 2.24	-19 44.8	1.354	2.300	11.8	20.1	8 19	20 4.27	-15 0.0	1.798	2.740	9.5	21.3
8 29	19 56.32	-20 0.0	1.388	2.266	16.2	20.3	8 29	19 59.07	-15 38.5	1.886	2.757	12.9	21.5
<b>514404</b>	2016 TK <sub>7</sub>	7 26.4 240°72'		2°0'/25.1 18			<b>518416</b>	2018 DF <sub>3</sub>	7 26.4 185°35'		5°0'/22.9 18		
6 20	20 48.84	-22 54.9	2.085	2.939	12.8	21.8	6 20	20 52.83	-36 38.8	2.813	3.648	10.4	21.5
6 30	20 44.22	-23 32.9	2.004	2.933	9.7	21.6	6 30	20 46.79	-37 13.7	2.740	3.647	8.3	21.4
7 10	20 37.51	-24 15.1	1.945	2.927	6.3	21.4	7 10	20 38.92	-37 43.1	2.691	3.647	6.3	21.2
7 20	20 29.24	-24 57.4	1.912	2.921	2.9	21.1	7 20	20 29.76	-38 2.6	2.669	3.646	5.1	21.2
7 30	20 20.25	-25 35.1	1.906	2.915	2.8	21.1	7 30	20 20.09	-38 8.8	2.674	3.645	5.5	21.2
8 9	20 11.53	-26 4.5	1.928	2.909	6.2	21.3	8 9	20 10.80	-38 0.2	2.707	3.643	7.1	21.3
8 19	20 3.99	-26 23.6	1.976	2.902	9.8	21.5	8 19	20 2.66	-37 37.2	2.766	3.641	9.2	21.4
8 29	19 58.43	-26 31.7	2.047	2.895	12.9	21.7	8 29	19 56.33	-37 1.7	2.849	3.639	11.2	21.6
<b>117502</b>	2005 CW <sub>22</sub>	7 26.4 144°47'		4°7'/24.1 18			<b>22048</b>	1999 XK <sub>238</sub>	7 26.4 156°22'		3°5'/28.9 18		
6 20	20 55.71	-32 29.6	2.156	3.001	12.7	19.7	6 20	20 47.28	-6 25.7	2.186	2.994	13.8	19.2
6 30	20 49.30	-32 56.9	2.089	3.008	9.9	19.5	6 30	20 42.75	-6 43.1	2.106	2.999	11.1	19.0
7 10	20 40.64	-33 19.9	2.045	3.015	7.1	19.4	7 10	20 36.43	-7 15.3	2.047	3.004	8.0	18.8
7 20	20 30.42	-33 33.4	2.027	3.021	4.9	19.3	7 20	20 28.81	-8 0.9	2.014	3.008	4.9	18.6
7 30	20 19.65	-33 33.5	2.037	3.027	5.2	19.3	7 30	20 20.61	-8 57.3	2.008	3.012	3.5	18.5
8 9	20 9.42	-33 18.5	2.074	3.033	7.5	19.4	8 9	20 12.66	-10 0.3	2.030	3.015	5.5	18.7
8 19	20 0.72	-32 49.2	2.136	3.038	10.4	19.6	8 19	20 5.74	-11 5.5	2.079	3.019	8.6	18.9
8 29	19 54.28	-32 8.2	2.222	3.043	13.0	19.8	8 29	20 0.51	-12 8.8	2.152	3.021	11.6	19.1
<b>103493</b>	2000 AN <sub>237</sub>	7 26.4 196°42'		0°3'/26.6 18			<b>184059</b>	2004 FG <sub>143</sub>	7 26.4 342°61'		4°3'/28.3 17		
6 20	20 47.97	-15 27.2	2.411	3.244	12.0	19.9	6 20	20 41.93	-9 50.9	1.122	1.996	19.9	19.2
6 30	20 43.21	-16 4.3	2.325	3.242	9.2	19.7	6 30	20 40.26	-9 38.3	1.049	1.983	16.0	19.0
7 10	20 36.70	-16 50.0	2.262	3.239	6.0	19.5	7 10	20 35.65	-9 45.7	0.993	1.971	11.4	18.7
7 20	20 28.89	-17 41.4	2.225	3.235	2.5	19.3	7 20	20 28.73	-10 13.4	0.956	1.960	6.6	18.4
7 30	20 20.47	-18 35.0	2.218	3.231	1.3	19.2	7 30	20 20.62	-10 58.4	0.941	1.951	4.5	18.2
8 9	20 12.24	-19 26.9	2.239	3.226	4.9	19.4	8 9	20 12.85	-11 54.8	0.948	1.943	8.2	18.4
8 19	20 4.95	-20 13.9	2.287	3.221	8.2	19.6	8 19	20 6.83	-12 55.2	0.975	1.936	13.3	18.7
8 29	19 59.27	-20 53.8	2.361	3.216	11.2	19.8	8 29	20 3.72	-13 52.6	1.022	1.931	18.0	18.9
<b>153831</b>	2001 WC <sub>80</sub>	7 26.4 134°68'		1°1'/25.8 17			<b>344794</b>	2003 YQ <sub>120</sub>	7 26.4 187°56'		2°2'/24.9 18		
6 20	20 50.70	-19 53.6	1.835	2.687	14.3	21.0	6 20	20 51.30	-25 40.8	2.610	3.451	10.9	21.8
6 30	20 45.74	-20 28.7	1.765	2.694	10.9	20.8	6 30	20 45.63	-26 7.0	2.529	3.451	8.3	21.6
7 10	20 38.51	-21 10.4	1.718	2.700	7.0	20.5	7 10	20 38.20	-26 33.9	2.472	3.449	5.5	21.4
7 20	20 29.63	-21 54.6	1.696	2.706	2.8	20.3	7 20	20 29.50	-26 58.1	2.441	3.448	2.8	21.2
7 30	20 20.07	-22 36.3	1.700	2.712	2.2	20.3	7 30	20 20.25	-27 16.2	2.440	3.445	2.8	21.2
8 9	20 10.92	-23 11.3	1.732	2.718	6.3	20.5	8 9	20 11.29	-27 26.2	2.468	3.442	5.5	21.4
8 19	20 3.18	-23 37.0	1.790	2.723	10.2	20.8	8 19	20 3.36	-27 26.9	2.523	3.439	8.4	21.6
8 29	19 57.63	-23 52.6	1.870	2.728	13.5	21.0	8 29	19 57.12	-27 18.8	2.602	3.435	11.0	21.7
<b>174621</b>	2003 SX <sub>66</sub>	7 26.4 326°37'		8°6'/22.4 18 R			<b>277178</b>	2005 OE <sub>25</sub>	7 26.4 329°31'		2°0'/27.2 13 C		
6 20	20 50.01	-33 11.5	1.177	2.065	18.2	19.1	6 20	20					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>3312</b>	Pedersen		7 26.4 329°55	5°7/29.6	18		<b>502426</b>	2015 BA <sub>258</sub>		7 26.4 240°82	2°2/27.6	17	
6 20	20 44.70	- 3 51.8	1.917	2.728	15.4	15.9	6 20	20 50.63	-11 45.0	1.780	2.615	15.4	22.6
6 30	20 41.11	- 3 25.1	1.831	2.720	12.7	15.7	6 30	20 45.96	-11 59.5	1.687	2.601	12.2	22.3
7 10	20 35.55	- 3 14.2	1.765	2.712	9.7	15.5	7 10	20 38.90	-12 27.7	1.615	2.587	8.3	22.1
7 20	20 28.52	- 3 20.2	1.722	2.704	7.0	15.4	7 20	20 29.95	-13 7.8	1.566	2.572	4.2	21.8
7 30	20 20.78	- 3 42.5	1.704	2.697	5.7	15.3	7 30	20 20.00	-13 56.5	1.545	2.556	2.5	21.7
8 9	20 13.26	- 4 18.6	1.712	2.690	7.2	15.3	8 9	20 10.19	-14 48.9	1.550	2.540	6.3	21.9
8 19	20 6.81	- 5 4.6	1.744	2.683	10.0	15.5	8 19	20 1.62	-15 40.5	1.581	2.524	10.6	22.1
8 29	20 2.20	- 5 55.6	1.800	2.677	13.1	15.7	8 29	19 55.25	-16 27.3	1.635	2.506	14.5	22.3
<b>271064</b>	2003 HJ <sub>17</sub>		7 26.4	7°89 10°6/20.5	18		<b>352610</b>	2008 EF <sub>97</sub>		7 26.4 54°55	1°2/25.7	18	
6 20	20 48.58	-37 10.9	1.234	2.119	17.8	19.1	6 20	20 47.62	-20 53.5	2.078	2.931	12.8	21.1
6 30	20 45.75	-39 3.6	1.186	2.120	14.6	18.9	6 30	20 43.19	-21 22.2	2.006	2.935	9.8	20.9
7 10	20 39.35	-40 48.9	1.158	2.122	11.8	18.8	7 10	20 36.80	-21 55.8	1.956	2.939	6.2	20.7
7 20	20 30.20	-42 14.2	1.151	2.125	10.6	18.7	7 20	20 28.99	-22 30.8	1.932	2.943	2.6	20.5
7 30	20 19.87	-43 8.7	1.166	2.130	11.6	18.8	7 30	20 20.60	-23 3.3	1.936	2.947	2.1	20.4
8 9	20 10.29	-43 27.4	1.201	2.135	14.1	18.9	8 9	20 12.54	-23 29.8	1.966	2.951	5.7	20.7
8 19	20 3.12	-43 12.0	1.256	2.141	17.2	19.2	8 19	20 5.68	-23 48.4	2.023	2.956	9.2	20.9
8 29	19 59.47	-42 28.3	1.327	2.149	20.0	19.4	8 29	20 0.70	-23 58.2	2.103	2.960	12.3	21.1
<b>447092</b>	2004 TM <sub>95</sub>		7 26.4 268°91	0°1/26.4	17		<b>353734</b>	2011 WM <sub>147</sub>		7 26.4 27°93	0°5/26.6	18	
6 20	20 46.55	-17 59.4	2.472	3.313	11.5	22.7	6 20	20 49.63	-18 25.4	1.936	2.784	13.8	20.3
6 30	20 42.17	-18 16.1	2.377	3.298	8.8	22.5	6 30	20 44.76	-18 14.1	1.862	2.787	10.6	20.1
7 10	20 36.08	-18 38.7	2.304	3.284	5.7	22.3	7 10	20 37.81	-18 8.0	1.811	2.791	6.9	19.9
7 20	20 28.71	-19 5.0	2.258	3.269	2.3	22.0	7 20	20 29.40	-18 5.1	1.784	2.795	2.8	19.7
7 30	20 20.70	-19 32.1	2.240	3.254	1.3	21.9	7 30	20 20.39	-18 3.2	1.785	2.798	1.5	19.6
8 9	20 12.85	-19 57.2	2.251	3.239	4.8	22.1	8 9	20 11.80	-18 0.2	1.813	2.803	5.6	19.9
8 19	20 5.89	-20 18.3	2.288	3.223	8.2	22.3	8 19	20 4.52	-17 55.0	1.866	2.807	9.4	20.1
8 29	20 0.50	-20 33.8	2.350	3.208	11.1	22.5	8 29	19 59.27	-17 46.6	1.943	2.812	12.7	20.3
<b>360953</b>	2005 US <sub>91</sub>		7 26.4 307°75	4°9/23.6	18		<b>476208</b>	2007 UE <sub>87</sub>		7 26.4 283°16	1°8/27.4	18	
6 20	20 50.04	-31 40.8	2.054	2.912	12.8	20.5	6 20	20 47.85	-13 42.2	1.941	2.781	14.1	21.1
6 30	20 45.35	-32 22.6	1.976	2.902	10.0	20.3	6 30	20 43.58	-13 39.9	1.851	2.769	11.1	20.8
7 10	20 38.35	-33 2.1	1.920	2.893	7.2	20.1	7 10	20 37.19	-13 47.3	1.783	2.757	7.5	20.6
7 20	20 29.65	-33 33.7	1.889	2.883	5.1	20.0	7 20	20 29.22	-14 3.0	1.739	2.745	3.7	20.3
7 30	20 20.19	-33 52.5	1.884	2.874	5.5	20.0	7 30	20 20.46	-14 24.6	1.722	2.734	2.2	20.2
8 9	20 11.06	-33 55.5	1.905	2.865	8.0	20.2	8 9	20 11.91	-14 48.9	1.731	2.722	5.7	20.4
8 19	20 3.31	-33 42.4	1.951	2.856	11.0	20.3	8 19	20 4.52	-15 13.0	1.767	2.710	9.6	20.6
8 29	19 57.74	-33 14.8	2.020	2.847	13.9	20.5	8 29	19 59.08	-15 34.5	1.826	2.698	13.1	20.8
<b>500133</b>	2012 CC <sub>35</sub>		7 26.4 306°14	1°8/27.3	17		<b>41814</b>	2000 WP <sub>36</sub>		7 26.4 284°60	1°8/25.5	18	R
6 20	20 45.52	-12 21.8	1.206	2.076	19.1	21.2	6 20	20 49.75	-19 14.9	1.469	2.335	16.5	18.6
6 30	20 43.22	-12 49.2	1.113	2.049	15.1	20.8	6 30	20 46.07	-20 9.6	1.374	2.310	12.8	18.3
7 10	20 37.81	-13 38.2	1.039	2.022	10.3	20.5	7 10	20 39.44	-21 17.9	1.299	2.284	8.3	17.9
7 20	20 29.73	-14 46.9	0.985	1.994	4.8	20.1	7 20	20 30.33	-22 34.3	1.247	2.258	3.5	17.6
7 30	20 20.02	-16 9.9	0.954	1.968	2.5	19.8	7 30	20 19.76	-23 51.2	1.221	2.232	3.1	17.5
8 9	20 10.25	-17 38.2	0.946	1.941	8.2	20.1	8 9	20 9.15	-25 0.3	1.220	2.206	8.2	17.7
8 19	20 2.05	-19 2.9	0.960	1.915	14.1	20.3	8 19	20 0.00	-25 55.7	1.242	2.179	13.3	17.9
8 29	19 56.88	-20 16.5	0.993	1.890	19.5	20.5	8 29	19 53.62	-26 34.4	1.285	2.153	17.9	18.1
<b>98463</b>	2000 UL <sub>81</sub>		7 26.4 34°86	17°1/13.9	18		<b>184951</b>	2005 WH <sub>90</sub>		7 26.4 330°38	6°9/22.1	18	
6 20	20 57.40	-49 26.7	1.196	2.053	20.1	17.8	6 20	20 50.10	-36 0.3	1.960	2.818	13.3	19.3
6 30	20 54.07	-52 41.2	1.172	2.061	18.2	17.7	6 30	20 45.64	-37 4.1	1.890	2.811	10.7	19.1
7 10	20 45.66	-55 32.4	1.167	2.071	17.2	17.6	7 10	20 38.67	-38 2.9	1.842	2.804	8.3	18.9
7 20	20 32.99	-57 42.7	1.181	2.080	17.3	17.7	7 20	20 29.83	-38 49.9	1.818	2.797	6.9	18.8
7 30	20 18.28	-58 59.9	1.213	2.091	18.4	17.8	7 30	20 20.14	-39 18.8	1.820	2.791	7.5	18.9
8 9	20 4.61	-59 21.8	1.263	2.102	20.1	17.9	8 9	20 10.85	-39 26.6	1.846	2.785	9.7	19.0
8 19	19 54.64	-58 55.2	1.327	2.114	21.9	18.1	8 19	20 3.09	-39 13.1	1.896	2.779	12.4	19.1
8 29	19 49.89	-57 51.1	1.404	2.126	23.6	18.3	8 29	19 57.74	-38 41.1	1.967	2.774	14.9	19.3
<b>381548</b>	2008 TC <sub>40</sub>		7 26.4 168°94	2°6/27.7	18		<b>430961</b>	2005 VT <sub>123</sub>		7 26.4 125°70	0°5/26.7	16	
6 20	20 50.76	-12 24.4	1.994	2.824	14.2	20.9	6 20	20 52.12	-16 28.4	2.164	2.997	13.1	22.4
6 30	20 45.56	-12 6.2	1.915	2.826	11.2	20.7	6 30	20 46.35	-16 42.1	2.098	3.015	10.0	22.3
7 10	20 38.32	-11 57.3	1.858	2.827	7.7	20.5	7 10	20 38.68	-17 2.7	2.055	3.032	6.5	22.1
7 20	20 29.60	-11 56.8	1.826	2.829	4.1	20.2	7 20	20 29.71	-17 27.6	2.038	3.048	2.7	21.9
7 30	20 20.25	-12 3.1	1.821	2.830	2.8	20.2	7 30	20 20.25	-17 53.7	2.050	3.063	1.4	21.8
8 9	20 11.23	-12 14.0	1.843	2.831	5.7	20.3	8 9	20 11.23	-18 18.1	2.090	3.078	5.1	22.1
8 19	20 3.45	-12 27.1	1.892	2.832	9.3	20.6	8 19	20 3.44	-18 38.5	2.157	3.092	8.6	22.3
8 29	19 57.63	-12 40.3	1.964	2.832	12.6	20.8	8 29	19 57.54	-18 53.8	2.249	3.106	11.6	22.5
<b>296444</b>	2009 HS <sub>54</sub>		7 26.4 49°26	1°3/27.3	16		<b>482375</b>	2011 YJ <sub>60</sub>		7 26.4 284°11	2°1/27.3	18	
6 20	20 46.03	-12 59.4	1.880	2.723	14.4	20.9	6 20	20 49.88	-14 30.2	2.241	3.071	12.8	20.7
6 30	20 42.04	-13 28.0	1.815	2.736	11.1	20.7	6 30	20 44.79	-13 59.2	2.147	3.059	10.0	20.5
7 10	20 36.07	-14 8.5	1.772	2.748	7.4	20.5	7 10	20 37.80	-13 34.0	2.076	3.047	6.8	20.3
7 20	20 28.70	-14 57.9	1.753	2.761	3.4	20.3	7 20	20 29.42	-13 14.0	2.031	3.035	3.5	20.1
7 30	20 20.76	-15 52.0	1.761	2.774	1.8	20.2	7 30	20 20.38	-12 58.6	2.013	3.024	2.3	20.0
8 9	20 13.21	-16 46.2	1.796	2.788	5.4	20.4	8 9	20 11.57	-12 46.4	2.024	3.012	5.3	20.2
8 19	20 6.90	-17 36.5	1.857	2.801	9.2	20.7	8 19	20 3.82	-12 36.4	2.062	3.000	8.7	20.4
8 29	20 2.51	-18 20.0	1.942	2.815	12.5	20.9	8 29	19 57.82	-12 27.5	2.124	2.988	11.9	20.5
<b>442954</b>	2013 CL <sub>115</sub>		7 26.4 57°67	5°2/30.8	18		<b>270351</b>	2001 YM <sub>20</sub>		7 26.4 249°54	1°1/26.9	17	
6 20	20 44.25												

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>41580</b>	2000 <i>SV</i> <sub>22</sub>		7 26.4 263°63	8°5/21.0	18		<b>218392</b>	2004 <i>PB</i> <sub>53</sub>		7 26.4 325°50	0°5/26.8	18	
6 20	20 55.59	-39 3.6	1.898	2.746	14.1	19.1	6 20	20 44.58	-14 37.1	2.015	2.862	13.4	19.7
6 30	20 50.25	-40 23.4	1.820	2.730	11.7	18.9	6 30	20 41.04	-15 17.8	1.930	2.854	10.4	19.5
7 10	20 41.92	-41 37.2	1.764	2.713	9.5	18.7	7 10	20 35.55	-16 10.0	1.867	2.846	6.8	19.2
7 20	20 31.22	-42 36.1	1.732	2.696	8.5	18.6	7 20	20 28.59	-17 10.4	1.829	2.839	2.9	19.0
7 30	20 19.33	-43 12.3	1.724	2.679	9.2	18.6	7 30	20 20.90	-18 14.8	1.818	2.832	1.4	18.9
8 9	20 7.75	-43 21.6	1.741	2.661	11.4	18.7	8 9	20 13.41	-19 18.2	1.835	2.825	5.4	19.1
8 19	19 57.90	-43 4.3	1.781	2.644	14.0	18.9	8 19	20 6.98	-20 16.1	1.877	2.819	9.3	19.3
8 29	19 50.90	-42 24.1	1.841	2.626	16.6	19.0	8 29	20 2.37	-21 5.6	1.944	2.813	12.6	19.5
<b>264854</b>	2002 <i>RF</i> <sub>72</sub>		7 26.4 314°09	1°3/25.9	18		<b>241246</b>	2007 <i>TF</i> <sub>228</sub>		7 26.4 271°12	2°6/27.9	18	
6 20	20 47.79	-20 25.6	1.276	2.156	17.7	20.2	6 20	20 47.68	-11 19.0	1.956	2.789	14.3	20.9
6 30	20 44.81	-20 43.8	1.190	2.133	13.7	19.9	6 30	20 43.33	-11 15.0	1.875	2.787	11.3	20.7
7 10	20 38.71	-21 11.2	1.123	2.111	8.9	19.6	7 10	20 36.97	-11 22.2	1.816	2.785	7.8	20.5
7 20	20 30.04	-21 43.3	1.077	2.089	3.6	19.2	7 20	20 29.13	-11 39.6	1.781	2.783	4.2	20.3
7 30	20 19.97	-22 14.2	1.055	2.067	2.7	19.1	7 30	20 20.62	-12 5.0	1.772	2.782	2.8	20.2
8 9	20 10.08	-22 38.2	1.056	2.047	8.3	19.4	8 9	20 12.39	-12 35.1	1.790	2.780	5.7	20.3
8 19	20 1.94	-22 51.5	1.079	2.027	13.7	19.6	8 19	20 5.33	-13 6.8	1.835	2.778	9.3	20.6
8 29	19 56.84	-22 52.8	1.121	2.008	18.5	19.8	8 29	20 0.17	-13 37.0	1.903	2.776	12.7	20.8
<b>2537</b>	Gilmore		7 26.4 320°75	5°5/24.6	18		<b>245091</b>	2004 <i>PA</i> <sub>12</sub>		7 26.4 352°51	3°1/28.8	18	
6 20	20 54.39	-32 9.4	1.523	2.390	16.0	16.5	6 20	20 44.28	- 6 49.5	2.077	2.896	14.1	20.0
6 30	20 49.46	-32 23.1	1.442	2.374	12.6	16.2	6 30	20 40.66	- 7 24.7	1.993	2.895	11.2	19.8
7 10	20 41.41	-32 31.5	1.381	2.358	9.0	16.0	7 10	20 35.22	- 8 16.3	1.932	2.893	8.0	19.6
7 20	20 30.99	-32 28.2	1.344	2.343	6.0	15.8	7 20	20 28.43	- 9 22.5	1.894	2.892	4.7	19.4
7 30	20 19.51	-32 7.6	1.331	2.328	6.1	15.7	7 30	20 21.00	-10 39.8	1.884	2.892	3.1	19.3
8 9	20 8.55	-31 27.5	1.343	2.314	9.4	15.9	8 9	20 13.78	-12 2.9	1.902	2.891	5.4	19.4
8 19	19 59.56	-30 29.8	1.378	2.301	13.4	16.1	8 19	20 7.57	-13 26.4	1.946	2.891	8.8	19.6
8 29	19 53.58	-29 18.6	1.434	2.288	17.1	16.3	8 29	20 3.05	-14 45.3	2.015	2.891	12.0	19.9
<b>103790</b>	2000 <i>DY</i> <sub>10</sub>		7 26.4 343°67	2°4/27.7	18		<b>345025</b>	2005 <i>EF</i> <sub>92</sub>		7 26.4 127°85	4°8/23.7	18	
6 20	20 43.74	-11 24.8	1.228	2.098	18.8	19.2	6 20	20 54.11	-32 13.4	2.186	3.033	12.5	21.2
6 30	20 41.45	-11 47.8	1.155	2.089	14.9	18.9	6 30	20 48.12	-32 54.5	2.124	3.044	9.8	21.0
7 10	20 36.33	-12 30.8	1.100	2.081	10.1	18.7	7 10	20 39.96	-33 31.9	2.085	3.055	7.0	20.8
7 20	20 29.01	-13 31.6	1.067	2.075	5.0	18.3	7 20	20 30.27	-34 0.4	2.072	3.065	5.0	20.7
7 30	20 20.59	-14 44.4	1.056	2.069	2.7	18.2	7 30	20 20.03	-34 15.6	2.087	3.074	5.3	20.8
8 9	20 12.50	-16 1.3	1.069	2.064	7.4	18.5	8 9	20 10.31	-34 15.3	2.128	3.084	7.6	20.9
8 19	20 6.10	-17 14.6	1.104	2.060	12.6	18.7	8 19	20 2.03	-34 0.0	2.195	3.093	10.3	21.1
8 29	20 2.47	-18 18.2	1.159	2.057	17.2	19.0	8 29	19 55.92	-33 31.6	2.285	3.102	12.8	21.3
<b>130538</b>	2000 <i>QC</i> <sub>213</sub>		7 26.4 275°47	1°2/27.0	18		<b>443606</b>	2014 <i>LG</i> <sub>8</sub>		7 26.4 321°34	2°8/24.5	18	
6 20	20 49.10	-13 56.4	1.437	2.294	17.3	19.8	6 20	20 46.17	-23 28.1	1.962	2.825	13.1	20.7
6 30	20 45.33	-14 22.0	1.353	2.282	13.5	19.5	6 30	20 42.44	-24 29.5	1.882	2.816	10.0	20.5
7 10	20 38.77	-15 3.1	1.288	2.269	9.0	19.2	7 10	20 36.55	-25 36.7	1.824	2.807	6.5	20.2
7 20	20 29.99	-15 56.8	1.247	2.256	4.0	18.9	7 20	20 29.02	-26 44.3	1.791	2.799	3.4	20.0
7 30	20 20.04	-16 57.6	1.230	2.243	2.0	18.7	7 30	20 20.68	-27 46.3	1.785	2.791	3.6	20.0
8 9	20 10.29	-17 59.1	1.238	2.230	7.2	19.0	8 9	20 12.56	-28 37.6	1.806	2.783	7.0	20.2
8 19	20 2.09	-18 55.4	1.270	2.217	12.2	19.3	8 19	20 5.63	-29 15.3	1.853	2.776	10.5	20.4
8 29	19 56.54	-19 42.4	1.323	2.204	16.6	19.5	8 29	20 0.72	-29 38.3	1.921	2.768	13.7	20.6
<b>252840</b>	2002 <i>GW</i> <sub>121</sub>		7 26.4 340°65	2°5/27.3	18		<b>253568</b>	2003 <i>SF</i> <sub>276</sub>		7 26.4 288°02	4°2/24.7	17	
6 20	20 44.50	-14 26.7	1.065	1.950	20.0	19.4	6 20	20 53.31	-26 59.5	1.416	2.288	16.7	21.2
6 30	20 42.44	-14 11.2	0.994	1.938	15.7	19.1	6 30	20 48.78	-27 32.8	1.339	2.276	12.9	21.0
7 10	20 37.19	-14 10.1	0.941	1.926	10.7	18.8	7 10	20 41.10	-28 8.0	1.281	2.264	8.7	20.7
7 20	20 29.41	-14 22.4	0.906	1.916	5.2	18.4	7 20	20 30.95	-28 38.2	1.246	2.252	4.9	20.5
7 30	20 20.37	-14 44.8	0.894	1.907	3.0	18.3	7 30	20 19.61	-28 56.7	1.235	2.240	5.1	20.4
8 9	20 11.74	-15 12.1	0.903	1.899	8.2	18.5	8 9	20 8.69	-28 58.7	1.249	2.228	9.1	20.6
8 19	20 5.06	-15 39.2	0.932	1.893	13.8	18.8	8 19	19 59.68	-28 43.7	1.286	2.216	13.6	20.9
8 29	20 1.55	-16 2.0	0.980	1.888	18.7	19.1	8 29	19 53.72	-28 13.6	1.343	2.205	17.6	21.1
<b>141036</b>	2001 <i>WU</i> <sub>67</sub>		7 26.4 57°48	1°4/25.6	18		<b>28426</b>	Sangani		7 26.4 90°60	0°2/26.5	18	
6 20	20 48.20	-21 16.8	1.973	2.828	13.3	20.3	6 20	20 48.26	-16 41.5	1.848	2.697	14.3	19.2
6 30	20 43.72	-21 46.9	1.904	2.834	10.1	20.1	6 30	20 43.93	-17 8.1	1.773	2.699	11.0	19.0
7 10	20 37.19	-22 21.9	1.857	2.840	6.5	19.9	7 10	20 37.43	-17 44.0	1.720	2.701	7.1	18.8
7 20	20 29.18	-22 57.9	1.836	2.847	2.7	19.7	7 20	20 29.34	-18 25.8	1.692	2.702	2.9	18.5
7 30	20 20.57	-23 30.7	1.842	2.853	2.3	19.7	7 30	20 20.54	-19 9.2	1.690	2.704	1.5	18.4
8 9	20 12.34	-23 56.8	1.875	2.860	6.0	19.9	8 9	20 12.07	-19 49.9	1.716	2.705	5.8	18.7
8 19	20 5.39	-24 14.2	1.933	2.866	9.6	20.1	8 19	20 4.90	-20 24.7	1.767	2.707	9.8	18.9
8 29	20 0.43	-24 22.2	2.015	2.873	12.7	20.4	8 29	19 59.80	-20 51.4	1.841	2.709	13.3	19.2
<b>265218</b>	2004 <i>CA</i> <sub>34</sub>		7 26.4 204°17	0°4/26.3	17		<b>333992</b>	2000 <i>SN</i> <sub>262</sub>		7 26.4 311°80	1°1/26.9	18	
6 20	20 52.90	-19 16.0	1.801	2.649	14.7	20.9	6 20	20 45.79	-14 44.3	1.444	2.309	16.8	21.0
6 30	20 47.57	-19 27.8	1.720	2.646	11.3	20.7	6 30	20 42.98	-15 3.4	1.345	2.278	13.2	20.7
7 10	20 39.83	-19 45.9	1.662	2.642	7.3	20.4	7 10	20 37.42	-15 37.3	1.265	2.247	8.9	20.4
7 20	20 30.29	-20 7.1	1.628	2.638	2.9	20.2	7 20	20 29.56	-16 23.9	1.207	2.217	3.9	20.0
7 30	20 19.93	-20 27.4	1.621	2.634	1.8	20.1	7 30	20 20.32	-17 18.6	1.173	2.187	2.0	19.8
8 9	20 9.93	-20 43.5	1.641	2.629	6.3	20.4	8 9	20 11.05	-18 15.3	1.164	2.158	7.3	20.0
8 19	20 1.35	-20 53.2	1.687	2.624	10.4	20.6	8 19	20 3.13	-19 8.1	1.178	2.129	12.6	20.2
8 29	19 55.08	-20 55.7	1.756	2.618	14.1	20.8	8 29	19 57.80	-19 52.5	1.213	2.101	17.3	20.4
<b>184709</b>	2005 <i>SA</i> <sub>138</sub>		7 26.4 232°17	4°6/23.9	18		<b>359976</b>	2012 <i>TZ</i> <sub>166</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>219312</b>	2000 <i>EF</i> <sub>64</sub>		7 26.4 218°44'	4.7/29.4	18		<b>114459</b>	2003 <i>AN</i> <sub>30</sub>		7 26.4 295°23'	0.6/26.7	18	
6 20	20 48.91	- 4 30.8	1.944	2.749	15.4	21.1	6 20	20 50.75	-17 53.4	1.530	2.389	16.3	19.5
6 30	20 44.36	- 4 33.9	1.854	2.743	12.6	20.9	6 30	20 46.45	-17 46.0	1.444	2.375	12.7	19.2
7 10	20 37.73	- 4 54.2	1.785	2.735	9.4	20.7	7 10	20 39.42	-17 46.1	1.377	2.360	8.3	18.9
7 20	20 29.49	- 5 31.8	1.739	2.727	6.2	20.5	7 20	20 30.27	-17 51.4	1.334	2.345	3.5	18.6
7 30	20 20.45	- 6 24.7	1.719	2.718	4.7	20.4	7 30	20 20.05	-17 58.7	1.317	2.330	1.8	18.5
8 9	20 11.58	- 7 28.6	1.726	2.709	6.6	20.4	8 9	20 10.11	-18 4.8	1.324	2.316	6.9	18.7
8 19	20 3.82	- 8 38.4	1.760	2.700	9.9	20.6	8 19	20 1.71	-18 7.3	1.356	2.302	11.7	19.0
8 29	19 57.99	- 9 49.0	1.818	2.689	13.2	20.8	8 29	19 55.89	-18 5.0	1.409	2.288	15.9	19.2
<b>335572</b>	2006 <i>CC</i> <sub>47</sub>		7 26.4 186°58'	0.4/26.7	18		<b>146754</b>	2001 <i>XT</i> <sub>147</sub>		7 26.4 201°84'	2.9/24.2	18	
6 20	20 49.32	-15 35.6	2.092	2.930	13.3	21.2	6 20	20 48.27	-25 17.9	2.421	3.271	11.4	20.4
6 30	20 44.53	-16 10.1	2.011	2.930	10.3	21.0	6 30	20 43.62	-26 16.6	2.342	3.269	8.7	20.2
7 10	20 37.73	-16 54.1	1.952	2.930	6.7	20.8	7 10	20 37.11	-27 18.1	2.287	3.266	5.7	20.0
7 20	20 29.46	-17 44.6	1.919	2.929	2.8	20.5	7 20	20 29.22	-28 17.8	2.258	3.263	3.2	19.9
7 30	20 20.49	-18 37.3	1.914	2.927	1.4	20.4	7 30	20 20.69	-29 11.0	2.258	3.260	3.5	19.9
8 9	20 11.77	-19 27.9	1.937	2.925	5.4	20.7	8 9	20 12.36	-29 53.9	2.286	3.256	6.2	20.0
8 19	20 4.17	-20 12.9	1.986	2.923	9.1	20.9	8 19	20 5.05	-30 24.4	2.341	3.253	9.1	20.2
8 29	19 58.45	-20 50.1	2.060	2.920	12.4	21.1	8 29	19 59.46	-30 42.2	2.419	3.249	11.8	20.4
<b>511571</b>	2014 <i>WT</i> <sub>468</sub>		7 26.4 252°70'	1.9/25.2	18		<b>258010</b>	2001 <i>FE</i> <sub>63</sub>		7 26.4 165°60'	5.9/21.9	18	
6 20	20 50.05	-19 0.1	1.651	2.509	15.4	21.2	6 20	20 52.66	-39 27.6	2.836	3.667	10.4	21.2
6 30	20 45.87	-20 15.0	1.565	2.497	11.8	21.0	6 30	20 46.80	-40 17.7	2.771	3.671	8.5	21.1
7 10	20 39.06	-21 42.9	1.501	2.485	7.6	20.7	7 10	20 39.04	-41 1.0	2.730	3.674	6.8	21.0
7 20	20 30.14	-23 17.5	1.461	2.472	3.2	20.4	7 20	20 29.95	-41 33.0	2.715	3.677	5.9	21.0
7 30	20 20.07	-24 50.6	1.449	2.459	3.1	20.4	7 30	20 20.32	-41 49.7	2.727	3.679	6.3	21.0
8 9	20 10.12	-26 14.3	1.463	2.445	7.6	20.6	8 9	20 11.06	-41 49.5	2.765	3.682	7.8	21.1
8 19	20 1.55	-27 22.9	1.502	2.432	12.0	20.8	8 19	20 2.98	-41 32.8	2.829	3.684	9.6	21.2
8 29	19 55.44	-28 13.9	1.563	2.418	15.9	21.1	8 29	19 56.76	-41 1.7	2.915	3.685	11.4	21.4
<b>313299</b>	2002 <i>CM</i> <sub>201</sub>		7 26.4 219°49'	0.1/26.4	17		<b>171029</b>	2005 <i>EZ</i> <sub>58</sub>		7 26.4 94°10'	0.6/26.8	17	
6 20	20 52.50	-17 7.9	1.716	2.563	15.4	22.1	6 20	20 52.25	-15 31.1	1.492	2.345	17.0	20.9
6 30	20 47.50	-17 37.7	1.631	2.556	11.9	21.8	6 30	20 47.27	-15 57.6	1.434	2.361	13.0	20.7
7 10	20 39.95	-18 17.7	1.567	2.547	7.7	21.6	7 10	20 39.69	-16 35.9	1.396	2.376	8.5	20.5
7 20	20 30.44	-19 4.2	1.528	2.539	3.1	21.3	7 20	20 30.27	-17 21.9	1.381	2.391	3.5	20.2
7 30	20 19.94	-19 52.1	1.516	2.529	1.8	21.1	7 30	20 20.15	-18 10.2	1.393	2.406	1.8	20.1
8 9	20 9.69	-20 36.3	1.530	2.519	6.6	21.4	8 9	20 10.63	-18 55.3	1.430	2.421	6.6	20.5
8 19	20 0.84	-21 13.0	1.570	2.508	11.0	21.7	8 19	20 2.83	-19 33.5	1.492	2.436	11.0	20.8
8 29	19 54.38	-21 40.2	1.633	2.497	14.9	21.9	8 29	19 57.60	-20 2.6	1.577	2.450	14.8	21.1
<b>423152</b>	2004 <i>EF</i> <sub>67</sub>		7 26.4 57°02'	4.3/24.9	17		<b>67199</b>	2000 <i>CP</i> <sub>96</sub>		7 26.5 323°77'	7.7/30.3	18	
6 20	20 55.60	-27 44.3	1.330	2.202	17.5	20.8	6 20	20 45.37	+ 0 35.9	2.072	2.855	15.3	18.4
6 30	20 50.08	-28 16.5	1.287	2.224	13.4	20.6	6 30	20 41.56	+ 1 34.5	1.981	2.842	13.1	18.2
7 10	20 41.53	-28 47.7	1.263	2.246	8.9	20.4	7 10	20 35.87	+ 2 17.8	1.910	2.830	10.7	18.0
7 20	20 30.95	-29 11.0	1.262	2.268	5.0	20.2	7 20	20 28.76	+ 2 43.0	1.862	2.818	8.6	17.9
7 30	20 19.78	-29 20.5	1.286	2.290	5.1	20.3	7 30	20 20.94	+ 2 48.7	1.838	2.806	7.7	17.8
8 9	20 9.61	-29 13.9	1.335	2.312	8.8	20.5	8 9	20 13.28	+ 2 35.8	1.839	2.795	8.5	17.8
8 19	20 1.69	-28 52.1	1.406	2.335	12.7	20.8	8 19	20 6.59	+ 2 7.0	1.865	2.784	10.6	17.9
8 29	19 56.81	-28 18.1	1.498	2.358	16.2	21.1	8 29	20 1.62	+ 1 26.7	1.913	2.774	13.1	18.1
<b>475013</b>	2005 <i>TF</i> <sub>181</sub>		7 26.4 225°43'	4.5/23.2	18		<b>54591</b>	2000 <i>QC</i> <sub>202</sub>		7 26.5 49°68'	1.1/27.1	18	
6 20	20 50.56	-32 36.5	2.558	3.404	11.0	22.0	6 20	20 48.00	-13 38.1	1.445	2.303	17.2	18.4
6 30	20 45.35	-33 23.5	2.478	3.397	8.6	21.8	6 30	20 44.11	-14 12.8	1.387	2.316	13.2	18.2
7 10	20 38.20	-34 7.9	2.422	3.390	6.3	21.7	7 10	20 37.71	-15 2.2	1.349	2.330	8.7	18.0
7 20	20 29.63	-34 45.2	2.393	3.382	4.7	21.5	7 20	20 29.50	-16 2.1	1.335	2.344	3.8	17.7
7 30	20 20.43	-35 10.9	2.391	3.374	5.1	21.6	7 30	20 20.58	-17 6.5	1.345	2.358	1.9	17.6
8 9	20 11.48	-35 22.5	2.416	3.366	7.1	21.7	8 9	20 12.20	-18 9.0	1.381	2.373	6.5	18.0
8 19	20 3.64	-35 19.4	2.467	3.358	9.6	21.8	8 19	20 5.45	-19 4.6	1.440	2.388	11.0	18.3
8 29	19 57.61	-35 2.9	2.541	3.349	11.9	22.0	8 29	20 1.17	-19 49.8	1.522	2.403	14.8	18.5
<b>276056</b>	2002 <i>CL</i> <sub>48</sub>		7 26.4 154°16'	1.6/25.5	17		<b>202584</b>	2006 <i>GO</i> <sub>3</sub>		7 26.5 271°07'	7.4/30.8	18	
6 20	20 51.38	-21 41.6	1.992	2.841	13.5	21.2	6 20	20 46.57	+ 0 50.9	1.915	2.700	16.3	20.3
6 30	20 46.17	-22 15.2	1.920	2.847	10.2	21.0	6 30	20 42.65	+ 1 20.2	1.823	2.688	13.8	20.1
7 10	20 38.81	-22 53.6	1.870	2.852	6.6	20.8	7 10	20 36.67	+ 1 30.3	1.751	2.677	11.1	19.9
7 20	20 29.89	-23 32.5	1.846	2.856	2.8	20.6	7 20	20 29.11	+ 1 19.3	1.701	2.665	8.7	19.8
7 30	20 20.30	-24 7.4	1.850	2.860	2.4	20.6	7 30	20 20.75	+ 0 46.8	1.675	2.653	7.4	19.7
8 9	20 11.09	-24 34.6	1.881	2.864	6.1	20.8	8 9	20 12.52	- 0 4.5	1.674	2.640	8.4	19.7
8 19	20 3.21	-24 52.3	1.939	2.868	9.8	21.1	8 19	20 5.36	- 1 10.0	1.698	2.628	10.8	19.8
8 29	19 57.40	-24 59.9	2.019	2.871	13.0	21.3	8 29	20 0.08	- 2 23.8	1.745	2.616	13.8	20.0
<b>44702</b>	1999 <i>SJ</i> <sub>7</sub>		7 26.4 286°87'	0.3/26.3	18		<b>160136</b>	2001 <i>BV</i> <sub>10</sub>		7 26.5 62°35'	2.7/28.4	17	
6 20	20 48.74	-16 31.2	1.480	2.342	16.6	18.6	6 20	20 49.82	- 1 33.3	0.987	1.833	24.2	19.1
6 30	20 45.19	-17 13.0	1.386	2.319	12.9	18.3	6 30	20 46.75	- 3 55.4	0.922	1.839	19.4	18.8
7 10	20 38.81	-18 9.4	1.313	2.297	8.5	18.0	7 10	20 40.17	- 7 7.5	0.873	1.846	13.4	18.5
7 20	20 30.11	-19 16.6	1.263	2.274	3.4	17.6	7 20	20 30.74	-11 1.8	0.847	1.852	6.8	18.2
7 30	20 20.08	-20 28.0	1.238	2.252	2.1	17.5	7 30	20 19.84	-15 18.9	0.846	1.860	2.9	18.0
8 9	20 10.09	-21 36.2	1.239	2.229	7.5	17.7	8 9	20 9.32	-19 32.0	0.872	1.867	8.8	18.4
8 19	20 1.52	-22 35.1	1.263	2.206	12.6	18.0	8 19	20 0.97	-23 18.0	0.922	1.874	15.0	18.7
8 29	19 55.60	-23 21.1	1.308	2.183	17.1	18.2	8 29	19 56.15	-26 23.6	0.994	1.881	20.3	19.1
<b>266352</b>	2007 <i>DG</i> <sub>109</sub>		7 26.4 31°84'	2.8/25.4	17		<b>103017</b>	1999					



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>449725</b>	2014 <i>NX</i> <sub>16</sub>	7 26.5 333°87		4°1/23.2 16			<b>174758</b>	2003 <i>VX</i> <sub>2</sub>	7 26.5 206°89		0°6/26.8 18		
6 20	20 43.61	-23 18.7	1.659	2.535	14.5	20.5	6 20	20 51.11	-15 42.7	1.641	2.491	15.9	20.9
6 30	20 41.05	-25 1.0	1.575	2.516	11.1	20.3	6 30	20 46.45	-16 3.5	1.563	2.488	12.3	20.7
7 10	20 36.01	-26 54.2	1.513	2.498	7.4	20.0	7 10	20 39.28	-16 35.5	1.506	2.485	8.1	20.4
7 20	20 28.97	-28 50.6	1.475	2.481	4.4	19.8	7 20	20 30.20	-17 15.4	1.473	2.482	3.4	20.1
7 30	20 20.82	-30 40.5	1.464	2.465	5.2	19.8	7 30	20 20.23	-17 58.5	1.465	2.479	1.7	20.0
8 9	20 12.75	-32 15.2	1.479	2.449	8.8	20.0	8 9	20 10.60	-18 40.1	1.485	2.475	6.4	20.3
8 19	20 5.98	-33 29.2	1.517	2.435	12.8	20.2	8 19	20 2.43	-19 16.2	1.529	2.471	10.9	20.6
8 29	20 1.56	-34 20.3	1.577	2.422	16.3	20.4	8 29	19 56.65	-19 44.5	1.596	2.467	14.8	20.8
<b>427910</b>	2005 <i>UZ</i> <sub>241</sub>	7 26.5 126°48		4°0/28.8 17			<b>139165</b>	2001 <i>FC</i> <sub>115</sub>	7 26.5 18°01		6°5/23.5 18		
6 20	20 51.68	-6 57.3	2.226	3.027	13.8	21.8	6 20	20 51.04	-29 52.1	1.258	2.141	17.6	19.5
6 30	20 45.95	-6 38.9	2.157	3.045	11.1	21.7	6 30	20 47.27	-31 2.1	1.202	2.144	13.7	19.2
7 10	20 38.44	-6 32.7	2.110	3.062	8.1	21.5	7 10	20 40.19	-32 11.9	1.166	2.147	9.7	19.0
7 20	20 29.71	-6 38.2	2.089	3.079	5.2	21.4	7 20	20 30.63	-33 12.0	1.152	2.151	6.8	18.9
7 30	20 20.52	-6 54.3	2.095	3.094	4.0	21.3	7 30	20 20.03	-33 53.1	1.161	2.156	7.4	18.9
8 9	20 11.71	-7 18.4	2.129	3.110	5.8	21.5	8 9	20 10.14	-34 10.2	1.193	2.161	10.8	19.1
8 19	20 4.03	-7 47.6	2.191	3.124	8.6	21.7	8 19	20 2.44	-34 3.2	1.247	2.166	14.7	19.4
8 29	19 58.12	-8 18.8	2.277	3.138	11.3	21.9	8 29	19 58.00	-33 35.4	1.319	2.173	18.3	19.6
<b>218335</b>	2004 <i>BW</i> <sub>77</sub>	7 26.5 20°76		2°0/25.5 17			<b>180414</b>	2004 <i>BR</i> <sub>46</sub>	7 26.5 95°67		1°1/27.0 17		
6 20	20 47.34	-20 34.3	1.154	2.041	18.6	19.4	6 20	20 53.09	-15 16.7	1.633	2.479	16.1	20.4
6 30	20 44.32	-21 15.5	1.100	2.046	14.2	19.2	6 30	20 47.64	-15 25.7	1.575	2.497	12.4	20.2
7 10	20 38.20	-22 6.4	1.064	2.053	9.1	18.9	7 10	20 39.80	-15 44.8	1.538	2.516	8.1	20.0
7 20	20 29.79	-23 0.5	1.050	2.061	3.8	18.6	7 20	20 30.32	-16 11.0	1.525	2.534	3.5	19.8
7 30	20 20.46	-23 49.9	1.058	2.070	3.3	18.6	7 30	20 20.24	-16 40.3	1.539	2.552	1.8	19.7
8 9	20 11.81	-24 28.3	1.090	2.080	8.4	19.0	8 9	20 10.76	-17 8.8	1.579	2.570	6.1	20.0
8 19	20 5.21	-24 52.2	1.144	2.090	13.3	19.3	8 19	20 2.91	-17 33.6	1.645	2.587	10.3	20.3
8 29	20 1.65	-25 1.1	1.216	2.102	17.5	19.6	8 29	19 57.44	-17 52.7	1.733	2.604	13.8	20.6
<b>263647</b>	2008 <i>GK</i> <sub>86</sub>	7 26.5 154°48		0°6/26.8 17			<b>481276</b>	2005 <i>YH</i> <sub>29</sub>	7 26.5 223°44		0°6/26.0 18		
6 20	20 51.91	-16 1.5	1.811	2.654	14.9	21.8	6 20	20 46.90	-19 41.7	2.682	3.522	10.7	22.7
6 30	20 46.72	-16 20.8	1.738	2.660	11.5	21.6	6 30	20 42.33	-20 5.9	2.594	3.515	8.1	22.5
7 10	20 39.25	-16 49.5	1.687	2.665	7.5	21.4	7 10	20 36.17	-20 34.7	2.529	3.509	5.2	22.3
7 20	20 30.12	-17 24.4	1.660	2.670	3.1	21.1	7 20	20 28.86	-21 5.6	2.491	3.502	2.1	22.0
7 30	20 20.28	-18 1.6	1.661	2.675	1.6	21.0	7 30	20 21.00	-21 35.6	2.482	3.494	1.4	22.0
8 9	20 10.82	-18 36.8	1.689	2.679	5.9	21.3	8 9	20 13.32	-22 2.1	2.501	3.487	4.6	22.2
8 19	20 2.76	-19 7.0	1.743	2.682	10.0	21.6	8 19	20 6.51	-22 23.2	2.548	3.479	7.7	22.4
8 29	19 56.91	-19 30.3	1.820	2.685	13.5	21.8	8 29	20 1.15	-22 37.8	2.620	3.471	10.3	22.6
<b>157145</b>	2004 <i>PW</i> <sub>2</sub>	7 26.5 1°51		3°7/25.2 16			<b>338691</b>	2003 <i>TQ</i> <sub>58</sub>	7 26.5 322°09		2°1/27.9 18		
6 20	20 47.04	-25 59.6	1.107	2.002	18.6	19.2	6 20	20 44.33	-9 39.4	1.585	2.432	16.4	19.6
6 30	20 44.36	-26 16.0	1.049	1.999	14.3	18.9	6 30	20 41.44	-10 28.3	1.498	2.419	13.0	19.4
7 10	20 38.36	-26 33.9	1.008	1.998	9.5	18.6	7 10	20 36.17	-11 37.7	1.431	2.406	8.9	19.1
7 20	20 29.90	-26 47.2	0.989	1.998	4.8	18.4	7 20	20 29.02	-13 5.0	1.387	2.393	4.5	18.8
7 30	20 20.43	-26 49.7	0.991	2.000	4.7	18.4	7 30	20 20.87	-14 44.2	1.369	2.381	2.3	18.6
8 9	20 11.69	-26 37.9	1.015	2.003	9.2	18.7	8 9	20 12.86	-16 27.5	1.376	2.370	6.4	18.9
8 19	20 5.16	-26 11.7	1.061	2.008	14.1	18.9	8 19	20 6.12	-18 6.9	1.409	2.359	11.0	19.1
8 29	20 1.85	-25 33.2	1.125	2.014	18.3	19.2	8 29	20 1.63	-19 35.9	1.465	2.349	15.1	19.3
<b>389867</b>	2012 <i>SH</i> <sub>3</sub>	7 26.5 207°78		2°8/28.3 17			<b>472931</b>	2015 <i>GZ</i> <sub>20</sub>	7 26.5 348°12		1°3/27.1 17		
6 20	20 48.36	-9 7.7	2.389	3.201	12.7	21.8	6 20	20 48.09	-14 33.0	1.592	2.446	16.0	20.9
6 30	20 43.57	-9 13.7	2.298	3.196	10.1	21.6	6 30	20 44.16	-14 46.5	1.517	2.444	12.5	20.7
7 10	20 37.04	-9 31.0	2.228	3.190	7.1	21.4	7 10	20 37.80	-15 11.9	1.463	2.443	8.3	20.4
7 20	20 29.22	-9 58.5	2.185	3.183	4.1	21.2	7 20	20 29.61	-15 46.7	1.432	2.441	3.7	20.2
7 30	20 20.78	-10 34.3	2.169	3.176	2.8	21.1	7 30	20 20.59	-16 26.7	1.427	2.440	1.9	20.0
8 9	20 12.51	-11 15.4	2.181	3.168	5.1	21.2	8 9	20 11.93	-17 7.2	1.447	2.439	6.4	20.3
8 19	20 5.16	-11 58.5	2.221	3.159	8.2	21.4	8 19	20 4.72	-17 44.1	1.492	2.439	10.8	20.6
8 29	19 59.39	-12 40.6	2.286	3.150	11.2	21.6	8 29	19 59.85	-18 14.6	1.559	2.438	14.6	20.8
<b>354747</b>	2005 <i>TO</i> <sub>100</sub>	7 26.5 350°49		3°0/27.9 18			<b>408622</b>	2014 <i>KQ</i> <sub>65</sub>	7 26.5 61°60		8°1/31.7 17		
6 20	20 46.45	-11 30.5	1.835	2.674	14.8	20.1	6 20	20 46.69	+ 3 54.1	2.157	2.917	15.5	20.4
6 30	20 42.55	-11 11.2	1.755	2.671	11.7	19.9	6 30	20 42.31	+ 4 47.0	2.089	2.928	13.3	20.3
7 10	20 36.57	-11 2.8	1.697	2.667	8.2	19.6	7 10	20 36.20	+ 5 21.7	2.039	2.940	11.0	20.2
7 20	20 29.06	-11 4.7	1.663	2.665	4.6	19.4	7 20	20 28.87	+ 5 36.0	2.013	2.952	9.1	20.1
7 30	20 20.87	-11 15.4	1.654	2.662	3.2	19.3	7 30	20 21.03	+ 5 29.3	2.010	2.965	8.1	20.0
8 9	20 12.99	-11 32.3	1.671	2.661	6.0	19.5	8 9	20 13.50	+ 5 3.6	2.033	2.977	8.6	20.1
8 19	20 6.32	-11 52.4	1.714	2.659	9.7	19.7	8 19	20 7.02	+ 4 22.2	2.080	2.989	10.2	20.2
8 29	20 1.62	-12 12.8	1.779	2.659	13.1	19.9	8 29	20 2.20	+ 3 30.2	2.150	3.002	12.3	20.4
<b>34827</b>	2001 <i>SC</i> <sub>165</sub>	7 26.5 292°91		0°3/26.6 18			<b>315395</b>	2007 <i>VU</i> <sub>121</sub>	7 26.5 37°99		2°2/27.2 17		
6 20	20 47.83	-17 26.9	2.019	2.866	13.4	18.4	6 20	20 51.51	-15 26.3	1.147	2.018	19.8	20.2
6 30	20 43.51	-17 38.3	1.935	2.860	10.3	18.2	6 30	20 47.31	-15 2.4	1.093	2.029	15.3	20.0
7 10	20 37.15	-17 56.8	1.873	2.853	6.7	17.9	7 10	20 40.00	-14 50.5	1.057	2.040	10.2	19.7
7 20	20 29.30	-18 20.0	1.837	2.847	2.7	17.7	7 20	20 30.49	-14 48.6	1.043	2.051	4.8	19.5
7 30	20 20.74	-18 44.7	1.827	2.841	1.4	17.6	7 30	20 20.17	-14 53.8	1.051	2.064	2.7	19.4
8 9	20 12.45	-19 7.7	1.845	2.835	5.5	17.8	8 9	20 10.64	-15 2.3	1.083	2.077	7.6	19.7
8 19	20 5.30	-19 26.6	1.888	2.828	9.3	18.1	8 19	20 3.24	-15 10.9	1.137	2.090	12.7	20.0
8 29	20 0.07	-19 39.7	1.955	2.822	12.7	18.3	8 29	19 58.89	-15 17.1	1.211	2.104	17.0	20.3
<b>80633</b>	2000 <i>AU</i> <sub>205</sub>	7 26.5 226°47		0°1/26.4 18			<b>68821</b>	2002 <i>GM</i> <sub>73</sub>	7 26.5 28°53		7°8/1.7 18		
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>204783</b>	2006 <i>KW</i> <sub>89</sub>		7 26.5 108°14	6°8/21.7	17		<b>387149</b>	2012 <i>TV</i> <sub>225</sub>		7 26.5 23°80	1°6/25.7	17	
6 20	20 51.94	-33 49.5	1.901	2.759	13.7	20.1	6 20	20 49.17	-21 11.4	1.640	2.504	15.2	21.1
6 30	20 47.12	-35 24.6	1.842	2.764	10.9	19.9	6 30	20 44.96	-21 42.6	1.572	2.506	11.6	20.9
7 10	20 39.72	-36 57.0	1.805	2.770	8.3	19.8	7 10	20 38.29	-22 20.0	1.524	2.509	7.4	20.7
7 20	20 30.39	-38 18.2	1.794	2.775	6.8	19.7	7 20	20 29.82	-22 59.0	1.501	2.512	3.1	20.4
7 30	20 20.18	-39 20.8	1.809	2.780	7.6	19.8	7 30	20 20.58	-23 34.5	1.504	2.515	2.6	20.4
8 9	20 10.36	-40 0.4	1.849	2.785	9.9	19.9	8 9	20 11.77	-24 2.0	1.532	2.518	6.8	20.6
8 19	20 2.11	-40 16.4	1.913	2.790	12.6	20.1	8 19	20 4.49	-24 19.3	1.585	2.522	11.0	20.9
8 29	19 56.34	-40 11.4	1.997	2.795	15.1	20.3	8 29	19 59.59	-24 25.6	1.659	2.526	14.6	21.1
<b>164759</b>	1998 <i>VR</i> <sub>56</sub>		7 26.5 235°70	0°6/26.9	18		<b>362818</b>	2011 <i>YK</i> <sub>73</sub>		7 26.5 151°25	1°8/25.1	18	
6 20	20 48.55	-15 34.8	2.356	3.189	12.2	21.1	6 20	20 46.75	-22 10.6	2.429	3.278	11.4	20.7
6 30	20 43.83	-15 55.0	2.260	3.177	9.4	20.9	6 30	20 42.41	-23 1.0	2.352	3.279	8.6	20.5
7 10	20 37.29	-16 23.1	2.188	3.164	6.2	20.7	7 10	20 36.32	-23 55.8	2.300	3.281	5.5	20.3
7 20	20 29.36	-16 57.1	2.142	3.151	2.7	20.4	7 20	20 28.97	-24 51.1	2.274	3.283	2.5	20.1
7 30	20 20.74	-17 33.9	2.124	3.137	1.3	20.3	7 30	20 21.04	-25 42.6	2.276	3.284	2.5	20.1
8 9	20 12.26	-18 10.2	2.134	3.123	5.0	20.5	8 9	20 13.34	-26 26.6	2.307	3.286	5.5	20.3
8 19	20 4.72	-18 43.3	2.172	3.108	8.5	20.7	8 19	20 6.63	-27 0.9	2.364	3.287	8.5	20.5
8 29	19 58.83	-19 11.0	2.234	3.093	11.6	20.9	8 29	20 1.54	-27 24.5	2.445	3.288	11.3	20.7
<b>166549</b>	2002 <i>RT</i> <sub>60</sub>		7 26.5 251°13	3°0/25.0	18		<b>339301</b>	2004 <i>XR</i> <sub>73</sub>		7 26.5 296°66	3°8/27.9	18	
6 20	20 53.91	-27 50.3	2.191	3.037	12.5	20.0	6 20	20 49.07	-11 0.3	1.673	2.512	16.1	20.3
6 30	20 48.14	-28 4.1	2.100	3.024	9.7	19.7	6 30	20 45.00	-10 31.0	1.577	2.491	12.9	20.0
7 10	20 40.15	-28 16.7	2.033	3.010	6.5	19.5	7 10	20 38.46	-10 13.0	1.500	2.469	9.2	19.8
7 20	20 30.51	-28 24.3	1.992	2.996	3.6	19.3	7 20	20 29.98	-10 6.4	1.447	2.448	5.4	19.5
7 30	20 20.12	-28 23.0	1.978	2.982	3.6	19.3	7 30	20 20.45	-10 10.5	1.419	2.427	3.9	19.3
8 9	20 10.03	-28 10.8	1.992	2.967	6.6	19.5	8 9	20 11.03	-10 22.9	1.417	2.406	7.0	19.5
8 19	20 1.21	-27 47.4	2.033	2.952	9.9	19.6	8 19	20 2.87	-10 40.7	1.439	2.385	11.2	19.7
8 29	19 54.49	-27 14.3	2.098	2.937	13.0	19.8	8 29	19 56.96	-11 0.8	1.483	2.364	15.2	19.9
<b>255498</b>	2006 <i>AV</i> <sub>85</sub>		7 26.5 195°66	8°0/18.9	18		<b>48002</b>	2001 <i>BN</i> <sub>44</sub>		7 26.5 105°61	1°9/25.5	18	
6 20	20 56.79	-49 18.2	3.088	3.885	10.4	21.6	6 20	20 54.09	-21 51.6	1.614	2.472	15.7	19.5
6 30	20 50.24	-50 25.6	3.027	3.882	9.2	21.5	6 30	20 48.61	-22 28.9	1.556	2.487	11.9	19.3
7 10	20 41.45	-51 22.2	2.990	3.879	8.3	21.4	7 10	20 40.56	-23 11.6	1.520	2.502	7.6	19.0
7 20	20 31.01	-52 2.6	2.976	3.876	8.0	21.4	7 20	20 30.70	-23 54.1	1.507	2.517	3.3	18.8
7 30	20 19.86	-52 22.7	2.989	3.872	8.4	21.4	7 30	20 20.16	-24 30.9	1.522	2.532	2.9	18.8
8 9	20 9.08	-52 21.0	3.025	3.867	9.5	21.5	8 9	20 10.24	-24 57.8	1.562	2.546	7.0	19.1
8 19	19 59.66	-51 58.4	3.084	3.863	10.8	21.6	8 19	20 2.04	-25 12.9	1.628	2.560	11.1	19.4
8 29	19 52.40	-51 18.1	3.163	3.857	12.1	21.7	8 29	19 56.38	-25 16.4	1.715	2.573	14.6	19.6
<b>445352</b>	2010 <i>NS</i> <sub>23</sub>		7 26.5 73°51	0°3/26.7	18		<b>413213</b>	2003 <i>GC</i> <sub>45</sub>		7 26.5 143°50	0°7/26.8	17	
6 20	20 49.39	-18 0.4	2.161	3.003	12.8	21.0	6 20	20 52.33	-14 44.0	1.507	2.357	17.0	21.6
6 30	20 44.35	-17 59.5	2.096	3.017	9.8	20.8	6 30	20 47.51	-15 19.2	1.438	2.364	13.1	21.3
7 10	20 37.48	-18 4.1	2.052	3.031	6.3	20.7	7 10	20 40.03	-16 8.0	1.391	2.370	8.6	21.1
7 20	20 29.37	-18 11.8	2.035	3.045	2.6	20.4	7 20	20 30.56	-17 6.2	1.366	2.376	3.6	20.8
7 30	20 20.79	-18 20.4	2.045	3.059	1.3	20.4	7 30	20 20.22	-18 7.8	1.368	2.382	1.8	20.7
8 9	20 12.64	-18 27.5	2.084	3.073	5.0	20.7	8 9	20 10.32	-19 6.7	1.396	2.387	6.7	21.0
8 19	20 5.68	-18 31.7	2.148	3.087	8.4	20.9	8 19	20 2.08	-19 57.9	1.448	2.391	11.3	21.3
8 29	20 0.54	-18 32.1	2.237	3.101	11.4	21.1	8 29	19 56.41	-20 38.7	1.523	2.395	15.3	21.6
<b>13105</b>	1993 <i>FO</i> <sub>27</sub>		7 26.5 189°10	1°5/27.3	18		<b>224242</b>	2005 <i>SR</i> <sub>119</sub>		7 26.5 17°89	2°0/27.3	17	
6 20	20 51.80	-14 8.0	1.891	2.727	14.6	20.0	6 20	20 46.38	-14 18.2	1.143	2.020	19.4	19.8
6 30	20 46.61	-14 14.5	1.810	2.726	11.4	19.8	6 30	20 43.49	-14 16.7	1.087	2.026	15.1	19.6
7 10	20 39.20	-14 30.9	1.751	2.725	7.6	19.5	7 10	20 37.65	-14 30.2	1.049	2.033	10.1	19.3
7 20	20 30.15	-14 55.2	1.716	2.724	3.5	19.3	7 20	20 29.63	-14 55.9	1.031	2.040	4.7	19.0
7 30	20 20.34	-15 24.3	1.709	2.721	1.9	19.2	7 30	20 20.75	-15 29.3	1.036	2.050	2.5	18.9
8 9	20 10.84	-15 54.5	1.729	2.719	5.8	19.4	8 9	20 12.50	-16 4.7	1.064	2.060	7.5	19.2
8 19	20 2.63	-16 22.8	1.775	2.715	9.8	19.7	8 19	20 6.21	-16 37.3	1.114	2.071	12.5	19.6
8 29	19 56.51	-16 46.9	1.845	2.712	13.3	19.9	8 29	20 2.80	-17 3.4	1.184	2.083	16.8	19.9
<b>253490</b>	2003 <i>SJ</i> <sub>91</sub>		7 26.5 293°59	5°0/23.9	18		<b>188671</b>	2005 <i>SK</i> <sub>147</sub>		7 26.5 150°35	0°7/26.0	18	
6 20	20 50.94	-26 34.7	1.378	2.255	16.8	20.5	6 20	20 47.85	-19 55.0	2.540	3.380	11.2	21.8
6 30	20 47.26	-27 37.6	1.296	2.236	13.0	20.2	6 30	20 43.08	-20 20.0	2.463	3.385	8.5	21.6
7 10	20 40.36	-28 46.1	1.235	2.218	8.9	19.9	7 10	20 36.67	-20 49.5	2.410	3.390	5.4	21.4
7 20	20 30.84	-29 52.1	1.196	2.200	5.4	19.6	7 20	20 29.10	-21 20.6	2.384	3.395	2.2	21.2
7 30	20 19.90	-30 46.5	1.181	2.182	6.0	19.6	7 30	20 21.04	-21 50.4	2.387	3.399	1.5	21.1
8 9	20 9.19	-31 22.0	1.190	2.164	10.0	19.8	8 9	20 13.24	-22 16.0	2.418	3.403	4.8	21.4
8 19	20 0.29	-31 35.8	1.221	2.147	14.5	20.0	8 19	20 6.40	-22 35.7	2.476	3.407	7.8	21.6
8 29	19 54.49	-31 28.9	1.272	2.129	18.6	20.2	8 29	20 1.13	-22 48.6	2.559	3.410	10.5	21.8
<b>476120</b>	2007 <i>TU</i> <sub>212</sub>		7 26.5 318°25	7°3/22.9	16		<b>34996</b>	<i>Mitokoumon</i>		7 26.5 245°48	4°8/24.1	18	
6 20	20 51.16	-34 17.3	1.551	2.422	15.6	20.7	6 20	20 55.48	-31 19.6	1.989	2.839	13.5	18.5
6 30	20 47.26	-35 11.5	1.469	2.399	12.5	20.5	6 30	20 49.69	-31 53.7	1.904	2.827	10.6	18.3
7 10	20 40.24	-36 2.3	1.406	2.377	9.5	20.2	7 10	20 41.35	-32 25.2	1.841	2.814	7.5	18.1
7 20	20 30.75	-36 41.3	1.367	2.356	7.5	20.1	7 20	20 31.09	-32 48.4	1.804	2.800	5.1	17.9
7 30	20 19.99	-37 0.4	1.351	2.335	8.1	20.1	7 30	20 19.94	-32 58.0	1.794	2.787	5.4	17.9
8 9	20 9.56	-36 55.1	1.359	2.314	11.0	20.2	8 9	20 9.13	-32 51.1	1.810	2.773	8.1	18.1
8 19	20 0.96	-36 25.3	1.388	2.295	14.5	20.3	8 19	19 59.81	-32 27.8	1.851	2.758	11.4	18.2
8 29	19 55.36	-35 34.6	1.438	2.276	17.9	20.5	8 29	19 52.91	-31 50.3	1.915	2.743	14.5	18.4
<b>397784</b>	2008 <i>HT</i> <sub>40</sub>		7 26.5 321°03	5°3/29.9	18		<b>185773</b>	1999 <i>TO</i> <sub></sub>					

EPHEMERIDES

7 26.5

7 26.5

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>149005</b>	2002 AY <sub>15</sub>		7 26.5 227°12	1°0/25.9 18			<b>472433</b>	2015 BK <sub>299</sub>		7 26.5 52°47	4°9/29.9 17		
6 20	20 51.04	-22 28.6	2.264	3.108	12.2	19.4	6 20	20 46.42	-3 6.5	1.569	2.389	17.9	20.6
6 30	20 45.71	-22 26.9	2.182	3.106	9.3	19.2	6 30	20 42.78	-3 39.7	1.503	2.400	14.5	20.4
7 10	20 38.46	-22 27.0	2.124	3.104	6.0	19.0	7 10	20 36.86	-4 36.8	1.456	2.411	10.7	20.2
7 20	20 29.84	-22 26.6	2.092	3.102	2.5	18.7	7 20	20 29.28	-5 55.9	1.431	2.422	6.9	20.0
7 30	20 20.65	-22 23.0	2.088	3.100	1.8	18.7	7 30	20 20.98	-7 32.3	1.431	2.434	4.9	19.9
8 9	20 11.81	-22 14.5	2.112	3.098	5.3	18.9	8 9	20 13.08	-9 18.2	1.458	2.446	6.8	20.1
8 19	20 4.12	-22 0.6	2.163	3.095	8.7	19.1	8 19	20 6.57	-11 5.4	1.510	2.458	10.5	20.3
8 29	19 58.29	-21 41.3	2.239	3.093	11.7	19.3	8 29	20 2.27	-12 46.6	1.585	2.471	14.1	20.6
<b>224222</b>	2005 ST <sub>52</sub>		7 26.5 317°22	1°8/25.7 18			<b>31698</b>	Nikolaiortiz		7 26.5 53°86	0°4/26.7 18	R	
6 20	20 47.29	-20 55.6	1.332	2.210	17.1	20.4	6 20	20 48.02	-17 2.2	2.025	2.871	13.4	18.9
6 30	20 44.36	-21 26.0	1.247	2.190	13.2	20.1	6 30	20 43.59	-17 14.6	1.951	2.874	10.3	18.7
7 10	20 38.44	-22 5.8	1.182	2.170	8.6	19.7	7 10	20 37.19	-17 34.4	1.898	2.878	6.7	18.5
7 20	20 30.09	-22 50.0	1.139	2.150	3.6	19.4	7 20	20 29.37	-17 59.0	1.871	2.881	2.8	18.2
7 30	20 20.43	-23 32.1	1.119	2.131	3.1	19.3	7 30	20 20.94	-18 25.1	1.870	2.884	1.4	18.1
8 9	20 10.97	-24 5.7	1.123	2.113	8.2	19.6	8 9	20 12.84	-18 49.7	1.897	2.887	5.3	18.4
8 19	20 3.19	-24 27.0	1.150	2.095	13.4	19.8	8 19	20 5.93	-19 10.2	1.950	2.891	9.0	18.7
8 29	19 58.30	-24 34.4	1.196	2.078	17.9	20.0	8 29	20 0.90	-19 25.1	2.027	2.894	12.3	18.9
<b>128798</b>	2004 RJ <sub>223</sub>		7 26.5 340°03	1°2/27.1 18			<b>395609</b>	2011 UA <sub>359</sub>		7 26.5 12°66	6°2/22.9 18		
6 20	20 45.77	-14 56.4	1.385	2.252	17.2	19.6	6 20	20 51.12	-34 17.1	1.908	2.767	13.6	20.2
6 30	20 42.82	-15 9.0	1.309	2.243	13.4	19.3	6 30	20 46.41	-35 13.3	1.845	2.768	10.8	20.0
7 10	20 37.19	-15 35.0	1.252	2.235	8.9	19.0	7 10	20 39.21	-36 5.0	1.803	2.770	8.1	19.9
7 20	20 29.50	-16 11.7	1.218	2.228	3.9	18.7	7 20	20 30.22	-36 45.7	1.786	2.772	6.3	19.8
7 30	20 20.81	-16 54.6	1.207	2.221	2.0	18.6	7 30	20 20.48	-37 9.6	1.794	2.774	6.9	19.8
8 9	20 12.45	-17 38.0	1.221	2.215	7.0	18.9	8 9	20 11.23	-37 13.9	1.828	2.776	9.1	19.9
8 19	20 5.66	-18 17.3	1.258	2.210	11.8	19.1	8 19	20 3.55	-36 58.8	1.885	2.779	11.9	20.1
8 29	20 1.45	-18 48.9	1.316	2.206	16.1	19.4	8 29	19 58.28	-36 26.8	1.964	2.782	14.6	20.3
<b>291309</b>	2006 BF <sub>154</sub>		7 26.5 73°53	1°3/25.9 17			<b>116631</b>	2004 BK <sub>124</sub>		7 26.5 3°15	1°6/25.7 18		
6 20	20 51.49	-20 49.9	1.698	2.555	15.1	21.1	6 20	20 46.09	-18 57.7	1.164	2.049	18.6	18.8
6 30	20 46.47	-21 15.9	1.640	2.571	11.4	20.9	6 30	20 43.50	-19 46.8	1.102	2.048	14.2	18.6
7 10	20 39.10	-21 47.5	1.605	2.588	7.3	20.7	7 10	20 37.82	-20 49.0	1.059	2.048	9.1	18.3
7 20	20 30.11	-22 20.1	1.594	2.605	3.0	20.5	7 20	20 29.80	-21 57.7	1.036	2.048	3.7	18.0
7 30	20 20.54	-22 49.3	1.609	2.621	2.3	20.5	7 30	20 20.69	-23 4.6	1.038	2.050	3.0	17.9
8 9	20 11.54	-23 11.2	1.651	2.638	6.4	20.8	8 9	20 12.11	-24 1.6	1.062	2.052	8.4	18.3
8 19	20 4.12	-23 24.1	1.718	2.655	10.3	21.1	8 19	20 5.47	-24 43.7	1.107	2.056	13.5	18.6
8 29	19 59.02	-23 27.7	1.808	2.671	13.7	21.3	8 29	20 1.84	-25 9.1	1.173	2.060	17.8	18.8
<b>176103</b>	Waynejohnson		7 26.5 250°46	0°1/26.5 17			<b>132375</b>	2002 GA <sub>78</sub>		7 26.5 358°67	6°0/28.9 18		
6 20	20 51.62	-17 7.4	1.679	2.529	15.5	21.3	6 20	20 44.72	-7 49.5	1.087	1.954	21.0	19.1
6 30	20 47.01	-17 31.9	1.589	2.515	12.0	21.0	6 30	20 42.44	-7 14.0	1.023	1.950	17.0	18.8
7 10	20 39.80	-18 6.9	1.520	2.500	7.9	20.8	7 10	20 37.13	-6 59.5	0.976	1.948	12.5	18.5
7 20	20 30.55	-18 48.7	1.475	2.485	3.2	20.4	7 20	20 29.52	-7 7.4	0.948	1.946	8.0	18.3
7 30	20 20.22	-19 32.7	1.456	2.470	1.7	20.3	7 30	20 20.84	-7 36.2	0.941	1.946	6.0	18.2
8 9	20 10.06	-20 13.8	1.464	2.453	6.7	20.6	8 9	20 12.64	-8 20.8	0.956	1.948	8.9	18.4
8 19	20 1.27	-20 48.0	1.497	2.437	11.3	20.8	8 19	20 6.33	-9 14.3	0.992	1.950	13.4	18.6
8 29	19 54.89	-21 13.2	1.552	2.420	15.3	21.0	8 29	20 2.97	-10 9.5	1.046	1.954	17.8	18.9
<b>355056</b>	2006 SR <sub>144</sub>		7 26.5 181°56	1°6/27.4 18			<b>391587</b>	2007 TL <sub>387</sub>		7 26.5 328°38	4°0/24.3 18		
6 20	20 47.69	-13 41.8	2.112	2.948	13.3	21.5	6 20	20 50.30	-27 38.2	1.772	2.636	14.2	21.2
6 30	20 43.27	-13 47.5	2.032	2.948	10.3	21.3	6 30	20 45.86	-28 21.6	1.699	2.632	11.0	20.9
7 10	20 36.95	-14 2.4	1.974	2.948	6.9	21.1	7 10	20 38.92	-29 6.1	1.648	2.628	7.4	20.7
7 20	20 29.27	-14 24.9	1.941	2.948	3.3	20.9	7 20	20 30.14	-29 45.8	1.621	2.625	4.5	20.5
7 30	20 20.97	-14 52.1	1.935	2.948	1.9	20.8	7 30	20 20.53	-30 14.9	1.621	2.621	4.8	20.5
8 9	20 12.95	-15 21.2	1.957	2.948	5.2	21.0	8 9	20 11.31	-30 29.7	1.646	2.618	7.9	20.7
8 19	20 6.02	-15 49.2	2.006	2.947	8.7	21.3	8 19	20 3.61	-30 29.1	1.695	2.615	11.5	20.9
8 29	20 0.87	-16 13.9	2.078	2.947	11.9	21.5	8 29	19 58.29	-30 14.2	1.766	2.613	14.7	21.1
<b>362882</b>	2012 BJ <sub>106</sub>		7 26.5 282°37	3°0/24.2 18			<b>473255</b>	2015 MT <sub>21</sub>		7 26.5 107°01	12°9/ 3.9 18		
6 20	20 47.07	-25 0.5	2.264	3.119	11.9	20.3	6 20	20 51.56	+15 44.5	2.087	2.760	18.2	20.9
6 30	20 42.94	-26 2.1	2.180	3.110	9.1	20.1	6 30	20 46.21	+17 25.7	2.025	2.775	16.7	20.8
7 10	20 36.85	-27 7.6	2.120	3.100	6.0	19.9	7 10	20 38.85	+18 43.0	1.981	2.789	15.1	20.7
7 20	20 29.27	-28 12.0	2.086	3.091	3.4	19.7	7 20	20 30.05	+19 31.3	1.955	2.803	13.7	20.7
7 30	20 20.95	-29 10.2	2.080	3.082	3.7	19.7	7 30	20 20.60	+19 47.7	1.951	2.817	13.0	20.7
8 9	20 12.80	-29 57.7	2.101	3.073	6.6	19.8	8 9	20 11.47	+19 32.7	1.968	2.830	13.0	20.7
8 19	20 5.70	-30 32.1	2.149	3.063	9.7	20.0	8 19	20 3.51	+18 50.0	2.006	2.843	13.7	20.8
8 29	20 0.39	-30 52.8	2.219	3.054	12.5	20.2	8 29	19 57.47	+17 45.9	2.065	2.855	14.9	20.9
<b>111995</b>	2002 GG <sub>114</sub>		7 26.5 333°03	2°6/24.4 18			<b>200273</b>	1999 XK <sub>187</sub>		7 26.5 192°27	5°0/22.7 18		
6 20	20 44.56	-26 37.2	2.749	3.602	10.1	19.1	6 20	20 52.21	-31 58.6	2.388	3.234	11.6	20.7
6 30	20 40.63	-27 15.6	2.668	3.595	7.7	19.0	6 30	20 46.85	-33 10.3	2.314	3.233	9.1	20.6
7 10	20 35.14	-27 55.1	2.610	3.589	5.1	18.8	7 10	20 39.36	-34 20.6	2.264	3.231	6.7	20.4
7 20	20 28.52	-28 32.2	2.579	3.583	3.0	18.6	7 20	20 30.30	-35 23.6	2.240	3.228	5.1	20.3
7 30	20 21.38	-29 3.4	2.575	3.577	3.2	18.6	7 30	20 20.47	-36 13.8	2.244	3.225	5.6	20.4
8 9	20 14.44	-29 26.3	2.600	3.571	5.5	18.8	8 9	20 10.89	-36 47.6	2.276	3.221	7.8	20.5
8 19	20 8.36	-29 39.5	2.651	3.566	8.1	18.9	8 19	20 2.49	-37 4.0	2.333	3.217	10.3	20.6
8 29	20 3.73	-29 42.7	2.726	3.561	10.5	19.1	8 29	19 56.05	-37 4.0	2.413	3.212	12.7	20.8
<b>75905</b>	2000 CK <sub>50</sub>		7 26.5 162°27	0°2/26.4 18			<b>478342</b>	2011 WB <sub>135</sub>		7 26.5 86°17	5°1/29.7 16		
6 20	20 51.11	-19 29.7											

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7 26.5

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>114704</b>	2003 <i>FO</i> <sub>121</sub>		7 26.5 276°15	1°0/25.9	18		<b>504638</b>	2008 <i>WX</i> <sub>89</sub>		7 26.5 166°05	3°4/23.5	18	
6 20	20 50.34	-21 58.7	2.141	2.989	12.7	19.5	6 20	20 51.48	-28 57.9	2.960	3.797	9.9	22.4
6 30	20 45.40	-22 2.8	2.052	2.978	9.7	19.3	6 30	20 45.79	-30 1.4	2.887	3.804	7.6	22.2
7 10	20 38.42	-22 9.8	1.986	2.967	6.3	19.0	7 10	20 38.45	-31 4.8	2.839	3.810	5.2	22.1
7 20	20 29.91	-22 17.0	1.946	2.956	2.6	18.8	7 20	20 29.90	-32 3.6	2.820	3.816	3.5	22.0
7 30	20 20.71	-22 21.2	1.933	2.945	1.9	18.7	7 30	20 20.80	-32 53.6	2.830	3.820	3.9	22.0
8 9	20 11.76	-22 20.4	1.948	2.934	5.6	18.9	8 9	20 11.90	-33 32.1	2.869	3.824	5.9	22.2
8 19	20 3.98	-22 13.3	1.989	2.923	9.3	19.1	8 19	20 3.92	-33 57.8	2.936	3.827	8.2	22.3
8 29	19 58.12	-21 59.9	2.054	2.912	12.5	19.3	8 29	19 57.47	-34 10.9	3.028	3.829	10.3	22.5
<b>438370</b>	2006 <i>SY</i> <sub>397</sub>		7 26.5 289°78	0°7/27.0	17		<b>218064</b>	2002 <i>EL</i> <sub>105</sub>		7 26.5 64°41	4°6/30.3	18	
6 20	20 46.84	-13 46.2	2.083	2.922	13.4	21.5	6 20	20 44.87	-2 21.8	2.204	2.999	14.1	20.3
6 30	20 42.99	-14 28.3	1.975	2.893	10.5	21.2	6 30	20 41.01	-2 41.0	2.128	3.007	11.6	20.1
7 10	20 37.06	-15 23.4	1.888	2.865	7.0	21.0	7 10	20 35.46	-3 17.5	2.074	3.016	8.7	20.0
7 20	20 29.46	-16 29.2	1.827	2.836	3.0	20.7	7 20	20 28.71	-4 10.5	2.043	3.025	6.0	19.8
7 30	20 20.89	-17 41.1	1.793	2.807	1.5	20.5	7 30	20 21.45	-5 17.4	2.039	3.035	4.6	19.8
8 9	20 12.29	-18 54.1	1.787	2.777	5.6	20.7	8 9	20 14.44	-6 33.8	2.063	3.044	5.8	19.9
8 19	20 4.59	-20 2.9	1.808	2.748	9.7	20.9	8 19	20 8.40	-7 54.7	2.113	3.053	8.5	20.0
8 29	19 58.70	-21 3.9	1.853	2.718	13.3	21.1	8 29	20 3.96	-9 15.1	2.188	3.062	11.2	20.2
<b>394198</b>	2006 <i>SY</i> <sub>72</sub>		7 26.5 267°35	4°9/29.7	18		<b>150158</b>	1997 <i>HG</i> <sub>2</sub>		7 26.5 194°78	3°8/29.3	18	
6 20	20 45.91	-3 46.3	2.183	2.983	14.1	21.6	6 20	20 45.88	-5 37.0	2.603	3.401	12.1	20.8
6 30	20 41.94	-3 38.3	2.090	2.973	11.6	21.4	6 30	20 41.56	-5 31.2	2.516	3.400	9.9	20.6
7 10	20 36.16	-3 45.6	2.017	2.962	8.8	21.2	7 10	20 35.73	-5 37.2	2.450	3.398	7.3	20.4
7 20	20 29.02	-4 8.4	1.969	2.951	6.2	21.0	7 20	20 28.81	-5 54.7	2.410	3.396	4.9	20.3
7 30	20 21.19	-4 45.7	1.946	2.941	4.9	20.9	7 30	20 21.39	-6 22.5	2.397	3.394	3.8	20.2
8 9	20 13.51	-5 34.5	1.950	2.930	6.3	21.0	8 9	20 14.15	-6 58.2	2.411	3.392	5.2	20.3
8 19	20 6.76	-6 30.8	1.981	2.919	9.1	21.1	8 19	20 7.73	-7 38.9	2.454	3.389	7.7	20.4
8 29	20 1.66	-7 30.1	2.036	2.907	12.0	21.3	8 29	20 2.70	-8 21.6	2.521	3.386	10.2	20.6
<b>282752</b>	2006 <i>GE</i> <sub>49</sub>		7 26.5 19°74	3°9/29.3	18		<b>172753</b>	2004 <i>CO</i> <sub>117</sub>		7 26.5 237°61	0°4/26.8	18	
6 20	20 42.20	-4 35.0	1.253	2.103	19.8	18.8	6 20	20 49.10	-17 1.9	2.098	2.940	13.2	20.7
6 30	20 40.07	-5 37.2	1.195	2.113	15.8	18.6	6 30	20 44.45	-17 11.2	2.013	2.934	10.1	20.5
7 10	20 35.37	-7 8.2	1.155	2.124	11.2	18.3	7 10	20 37.81	-17 27.5	1.951	2.929	6.6	20.3
7 20	20 28.78	-9 4.2	1.136	2.137	6.5	18.1	7 20	20 29.70	-17 48.5	1.914	2.924	2.8	20.0
7 30	20 21.37	-11 16.7	1.142	2.151	3.9	18.0	7 30	20 20.91	-18 11.2	1.904	2.918	1.4	19.9
8 9	20 14.44	-13 34.1	1.172	2.167	7.0	18.2	8 9	20 12.37	-18 32.8	1.922	2.912	5.3	20.2
8 19	20 9.13	-15 45.0	1.226	2.183	11.5	18.5	8 19	20 4.96	-18 50.7	1.967	2.906	9.0	20.4
8 29	20 6.32	-17 40.8	1.302	2.201	15.6	18.8	8 29	19 59.41	-19 3.5	2.035	2.900	12.3	20.6
<b>255127</b>	2005 <i>UE</i> <sub>128</sub>		7 26.5 185°46	2°8/28.4	18		<b>41521</b>	2000 <i>QL</i> <sub>207</sub>		7 26.5 291°16	1°4/27.2	18	
6 20	20 46.63	-9 19.2	2.542	3.355	12.0	21.4	6 20	20 48.31	-14 18.4	1.669	2.519	15.6	19.0
6 30	20 42.15	-9 14.0	2.457	3.355	9.5	21.2	6 30	20 44.48	-14 28.6	1.577	2.502	12.2	18.7
7 10	20 36.11	-9 18.7	2.394	3.355	6.8	21.0	7 10	20 38.20	-14 50.8	1.506	2.484	8.2	18.4
7 20	20 28.95	-9 32.4	2.357	3.354	4.0	20.9	7 20	20 29.98	-15 22.8	1.457	2.466	3.8	18.1
7 30	20 21.29	-9 53.8	2.348	3.353	2.9	20.8	7 30	20 20.73	-16 1.3	1.435	2.448	2.0	18.0
8 9	20 13.84	-10 20.5	2.367	3.352	4.8	20.9	8 9	20 11.62	-16 41.5	1.438	2.430	6.4	18.2
8 19	20 7.25	-10 50.0	2.413	3.351	7.6	21.1	8 19	20 3.79	-17 19.3	1.466	2.413	10.9	18.4
8 29	20 2.11	-11 19.8	2.484	3.350	10.3	21.3	8 29	19 58.24	-17 51.6	1.517	2.395	15.0	18.6
<b>42629</b>	1998 <i>FL</i> <sub>43</sub>		7 26.5 287°10	3°4/25.1	18		<b>509772</b>	2008 <i>UZ</i> <sub>92</sub>		7 26.5 283°33	8°0/20.7	18	
6 20	20 53.30	-25 23.1	1.427	2.297	16.7	18.5	6 20	20 53.33	-35 41.6	1.836	2.693	14.1	21.0
6 30	20 48.74	-25 52.1	1.352	2.289	12.9	18.2	6 30	20 48.83	-37 19.0	1.747	2.667	11.5	20.7
7 10	20 41.13	-26 24.1	1.297	2.281	8.5	17.9	7 10	20 41.34	-38 55.6	1.681	2.640	9.2	20.5
7 20	20 31.16	-26 53.0	1.265	2.273	4.4	17.7	7 20	20 31.37	-40 22.2	1.639	2.613	8.0	20.4
7 30	20 20.09	-27 12.4	1.258	2.265	4.3	17.7	7 30	20 19.94	-41 29.1	1.622	2.586	8.9	20.4
8 9	20 9.46	-27 18.0	1.276	2.258	8.5	17.9	8 9	20 8.52	-42 10.1	1.630	2.559	11.4	20.5
8 19	20 0.71	-27 8.7	1.316	2.250	13.0	18.1	8 19	19 58.61	-42 23.3	1.661	2.531	14.5	20.6
8 29	19 54.91	-26 45.9	1.378	2.243	17.1	18.4	8 29	19 51.45	-42 11.1	1.711	2.503	17.4	20.8
<b>350025</b>	2010 <i>JX</i> <sub>115</sub>		7 26.5 38°93	4°8/28.9	16		<b>317529</b>	2002 <i>TR</i> <sub>239</sub>		7 26.5 334°90	7°3/28.9	18	
6 20	20 47.90	-7 43.8	1.601	2.435	16.9	20.6	6 20	20 44.04	-7 19.0	1.130	1.993	20.6	19.6
6 30	20 43.79	-7 16.3	1.540	2.447	13.6	20.4	6 30	20 42.04	-6 15.6	1.051	1.974	17.0	19.3
7 10	20 37.45	-7 4.4	1.499	2.461	9.9	20.2	7 10	20 37.05	-5 29.4	0.990	1.957	12.9	19.0
7 20	20 29.53	-7 8.0	1.480	2.474	6.3	20.0	7 20	20 29.64	-5 3.9	0.947	1.941	9.0	18.7
7 30	20 21.01	-7 25.7	1.486	2.488	4.8	19.9	7 30	20 20.93	-5 0.9	0.926	1.926	7.4	18.6
8 9	20 12.97	-7 54.0	1.517	2.503	6.9	20.1	8 9	20 12.45	-5 18.5	0.925	1.913	9.9	18.7
8 19	20 6.38	-8 28.7	1.573	2.518	10.4	20.4	8 19	20 5.69	-5 52.0	0.945	1.901	14.2	18.9
8 29	20 1.98	-9 5.4	1.651	2.534	13.8	20.6	8 29	20 1.87	-6 34.7	0.984	1.891	18.7	19.1
<b>169557</b>	2002 <i>ES</i> <sub>132</sub>		7 26.5 29°91	3°1/27.9	17		<b>330589</b>	2008 <i>CB</i> <sub>155</sub>		7 26.5 216°40	2°0/25.4	17	
6 20	20 48.46	-11 50.4	1.165	2.032	19.8	19.9	6 20	20 52.93	-21 58.4	1.795	2.648	14.6	21.7
6 30	20 45.07	-11 45.7	1.107	2.039	15.6	19.6	6 30	20 47.86	-22 39.4	1.713	2.642	11.2	21.5
7 10	20 38.70	-11 58.4	1.067	2.046	10.7	19.4	7 10	20 40.28	-23 26.6	1.653	2.635	7.2	21.2
7 20	20 30.14	-12 26.7	1.048	2.054	5.5	19.1	7 20	20 30.79	-24 14.9	1.618	2.628	3.2	21.0
7 30	20 20.67	-13 6.3	1.051	2.063	3.3	19.0	7 30	20 20.36	-24 58.7	1.610	2.620	2.9	20.9
8 9	20 11.83	-13 51.1	1.078	2.072	7.6	19.3	8 9	20 10.21	-25 33.1	1.629	2.612	7.0	21.2
8 19	20 4.93	-14 35.5	1.127	2.082	12.5	19.6	8 19	20 1.47	-25 55.7	1.674	2.603	11.0	21.4
8 29	20 0.94	-15 14.7	1.196	2.093	16.9	19.9	8 29	19 55.10	-26 5.8	1.741	2.594	14.6	21.6
<b>294339</b>	2007 <i>VW</i> <sub>84</sub>		7 26.5 256°27	1°2/25.6	18		<b>386352</b>	2008 <i>SA</i> <sub>303</sub>		7 26.5 229°03	5°7/2		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>81109</b>	2000 <i>EN</i> <sub>120</sub>	7 26.5 204°03		3°3/24.7 18			<b>476800</b>	2008 <i>UJ</i> <sub>166</sub>	7 26.5 68°00		8°4/21.5 17		
6 20	20 53.54	-25 26.7	1.900	2.753	13.9	20.1	6 20	20 54.37	-38 1.6	1.753	2.609	14.7	21.1
6 30	20 48.23	-26 15.8	1.821	2.749	10.6	19.9	6 30	20 49.33	-39 26.2	1.698	2.613	12.0	21.0
7 10	20 40.46	-27 7.9	1.765	2.745	7.1	19.6	7 10	20 41.38	-40 43.7	1.664	2.618	9.6	20.8
7 20	20 30.85	-27 57.6	1.734	2.740	3.8	19.4	7 20	20 31.26	-41 45.1	1.654	2.623	8.4	20.8
7 30	20 20.36	-28 38.8	1.731	2.735	4.0	19.4	7 30	20 20.22	-42 23.0	1.668	2.627	9.1	20.8
8 9	20 10.18	-29 7.3	1.755	2.729	7.4	19.6	8 9	20 9.76	-42 34.1	1.706	2.632	11.2	21.0
8 19	20 1.42	-29 21.3	1.803	2.722	11.0	19.8	8 19	20 1.19	-42 19.5	1.767	2.637	13.8	21.1
8 29	19 54.96	-29 21.3	1.875	2.715	14.3	20.0	8 29	19 55.46	-41 43.3	1.847	2.642	16.2	21.3
<b>299733</b>	2006 <i>RE</i> <sub>56</sub>	7 26.5 175°16		0°8/27.0 18			<b>378193</b>	2006 <i>XF</i> <sub>45</sub>	7 26.5 182°97		0°3/26.4 17		
6 20	20 47.84	-15 26.6	2.099	2.939	13.2	21.6	6 20	20 52.50	-18 24.1	1.944	2.787	14.0	22.7
6 30	20 43.45	-15 40.8	2.020	2.939	10.2	21.4	6 30	20 47.20	-18 45.2	1.865	2.787	10.7	22.5
7 10	20 37.15	-16 3.5	1.963	2.940	6.7	21.2	7 10	20 39.67	-19 13.4	1.808	2.787	7.0	22.2
7 20	20 29.45	-16 32.4	1.931	2.940	2.9	21.0	7 20	20 30.51	-19 45.4	1.777	2.787	2.8	22.0
7 30	20 21.13	-17 4.4	1.926	2.940	1.4	20.9	7 30	20 20.61	-20 17.0	1.773	2.786	1.6	21.9
8 9	20 13.09	-17 36.0	1.949	2.940	5.2	21.1	8 9	20 11.04	-20 44.8	1.797	2.785	5.8	22.2
8 19	20 6.15	-18 4.5	1.999	2.940	8.8	21.3	8 19	20 2.76	-21 6.1	1.847	2.783	9.8	22.4
8 29	20 1.03	-18 28.0	2.072	2.940	12.0	21.5	8 29	19 56.59	-21 19.8	1.921	2.780	13.2	22.6
<b>325845</b>	2010 <i>TL</i> <sub>31</sub>	7 26.5 159°64		0°6/26.2 17			<b>235300</b>	2003 <i>UN</i> <sub>86</sub>	7 26.5 341°84		4°3/23.9 18		
6 20	20 54.10	-19 21.2	1.822	2.668	14.7	22.2	6 20	20 47.54	-25 28.0	1.558	2.433	15.3	19.5
6 30	20 48.49	-19 43.0	1.750	2.674	11.2	21.9	6 30	20 44.16	-26 41.8	1.487	2.427	11.7	19.3
7 10	20 40.53	-20 11.4	1.699	2.679	7.2	21.7	7 10	20 38.11	-28 1.1	1.438	2.422	7.9	19.1
7 20	20 30.84	-20 42.5	1.674	2.684	2.9	21.5	7 20	20 29.99	-29 18.6	1.412	2.417	4.7	18.9
7 30	20 20.42	-21 12.0	1.676	2.689	1.8	21.4	7 30	20 20.88	-30 26.0	1.411	2.412	5.2	18.9
8 9	20 10.42	-21 36.1	1.705	2.692	6.2	21.7	8 9	20 12.09	-31 16.9	1.436	2.409	8.8	19.1
8 19	20 1.88	-21 52.7	1.760	2.695	10.2	21.9	8 19	20 4.88	-31 48.4	1.483	2.405	12.7	19.3
8 29	19 55.63	-22 0.9	1.839	2.698	13.7	22.2	8 29	20 0.23	-32 0.6	1.551	2.403	16.2	19.5
<b>513804</b>	2013 <i>CJ</i> <sub>174</sub>	7 26.5 183°39		1°6/27.7 18			<b>84340</b>	<i>Jos</i>	7 26.5 173°89		0°7/26.9 18		
6 20	20 47.21	-12 23.8	2.594	3.415	11.5	22.6	6 20	20 51.42	-15 26.4	1.732	2.577	15.4	20.5
6 30	20 42.60	-12 34.6	2.508	3.415	9.0	22.5	6 30	20 46.60	-15 48.4	1.656	2.579	11.9	20.3
7 10	20 36.43	-13 53.8	2.446	3.415	6.1	22.3	7 10	20 39.41	-16 21.1	1.602	2.580	7.8	20.0
7 20	20 29.13	-13 20.2	2.410	3.415	3.1	22.1	7 20	20 30.45	-17 1.4	1.572	2.581	3.3	19.8
7 30	20 21.33	-13 51.3	2.403	3.414	1.8	22.0	7 30	20 20.68	-17 44.8	1.568	2.582	1.6	19.6
8 9	20 13.72	-14 24.6	2.424	3.413	4.4	22.2	8 9	20 11.26	-18 26.8	1.592	2.582	6.1	19.9
8 19	20 6.98	-14 57.5	2.473	3.411	7.5	22.4	8 19	20 3.25	-19 3.6	1.641	2.582	10.3	20.2
8 29	20 1.69	-15 27.8	2.547	3.410	10.2	22.5	8 29	19 57.50	-19 32.9	1.712	2.582	14.0	20.4
<b>98266</b>	2000 <i>SU</i> <sub>189</sub>	7 26.5 338°33		6°6/28.8 18			<b>474317</b>	2002 <i>CX</i> <sub>54</sub>	7 26.5 141°39		2°6/24.9 18		
6 20	20 44.87	- 8 19.6	1.071	1.940	21.1	18.7	6 20	20 52.87	-28 18.0	2.735	3.573	10.6	21.3
6 30	20 42.78	- 7 27.0	0.999	1.927	17.2	18.4	6 30	20 46.79	-28 31.1	2.664	3.583	8.1	21.2
7 10	20 37.57	- 6 52.6	0.943	1.915	12.8	18.1	7 10	20 39.05	-28 42.4	2.617	3.592	5.4	21.0
7 20	20 29.87	- 6 39.3	0.906	1.904	8.4	17.9	7 20	20 30.17	-28 49.0	2.598	3.601	3.1	20.9
7 30	20 20.88	- 6 47.6	0.890	1.894	6.6	17.7	7 30	20 20.88	-28 48.3	2.608	3.609	3.1	20.9
8 9	20 12.24	- 7 14.2	0.895	1.886	9.5	17.9	8 9	20 11.98	-28 38.8	2.646	3.617	5.4	21.0
8 19	20 5.44	- 7 53.5	0.920	1.879	14.2	18.1	8 19	20 4.17	-28 20.6	2.712	3.625	8.0	21.2
8 29	20 1.72	- 8 38.5	0.964	1.873	18.8	18.3	8 29	19 58.02	-27 54.6	2.804	3.632	10.4	21.4
<b>262448</b>	2006 <i>UT</i> <sub>107</sub>	7 26.5 102°10		5°7/23.3 17			<b>96156</b>	1974 <i>CB</i>	7 26.5 164°44		1°4/25.9 18		
6 20	20 55.74	-30 29.3	1.690	2.549	15.0	20.8	6 20	20 55.90	-21 37.5	1.770	2.618	14.9	19.8
6 30	20 50.05	-31 45.4	1.640	2.567	11.7	20.6	6 30	20 49.98	-21 56.5	1.698	2.624	11.4	19.5
7 10	20 41.63	-32 59.6	1.611	2.585	8.3	20.5	7 10	20 41.55	-22 20.0	1.647	2.628	7.4	19.3
7 20	20 31.29	-34 4.0	1.608	2.602	5.9	20.4	7 20	20 31.30	-22 43.9	1.622	2.632	3.1	19.1
7 30	20 20.21	-34 51.2	1.631	2.619	6.4	20.4	7 30	20 20.29	-23 3.5	1.624	2.635	2.3	19.0
8 9	20 9.79	-35 17.5	1.679	2.636	9.2	20.6	8 9	20 9.74	-23 15.7	1.653	2.638	6.6	19.3
8 19	20 1.20	-35 22.8	1.751	2.652	12.3	20.9	8 19	20 0.77	-23 18.9	1.707	2.640	10.6	19.5
8 29	19 55.31	-35 10.0	1.845	2.667	15.2	21.1	8 29	19 54.23	-23 13.4	1.785	2.641	14.2	19.8
<b>34623</b>	2000 <i>US</i> <sub>59</sub>	7 26.5 181°32		4°3/23.8 18			<b>480315</b>	2015 <i>HN</i> <sub>175</sub>	7 26.5 52°46		10°7/ 1.8 17		
6 20	20 51.89	-31 57.8	2.446	3.291	11.4	19.2	6 20	20 48.15	+ 6 24.1	1.691	2.453	19.0	21.1
6 30	20 46.43	-32 33.7	2.372	3.292	8.9	19.1	6 30	20 43.96	+ 7 34.6	1.629	2.466	16.6	20.9
7 10	20 39.01	-33 6.6	2.323	3.292	6.3	18.9	7 10	20 37.61	+ 8 21.2	1.586	2.479	14.1	20.8
7 20	20 30.19	-33 32.1	2.299	3.292	4.5	18.8	7 20	20 29.70	+ 8 40.1	1.562	2.492	11.9	20.7
7 30	20 20.79	-33 46.3	2.303	3.292	4.8	18.8	7 30	20 21.15	+ 8 29.8	1.560	2.506	10.7	20.6
8 9	20 11.75	-33 47.0	2.334	3.291	6.9	18.9	8 9	20 13.00	+ 7 52.6	1.581	2.519	11.0	20.7
8 19	20 3.90	-33 34.0	2.392	3.291	9.5	19.1	8 19	20 6.20	+ 6 53.9	1.625	2.533	12.6	20.8
8 29	19 57.95	-33 8.9	2.472	3.290	11.9	19.3	8 29	20 1.49	+ 5 40.8	1.690	2.547	14.8	21.0
<b>521594</b>	2015 <i>PB</i> <sub>317</sub>	7 26.5 176°68		2°9/28.4 18			<b>96142</b>	3425 <i>T</i> <sub>3</sub>	7 26.6 316°12		9°7/ 1.8 18		
6 20	20 47.29	- 9 39.5	2.503	3.317	12.1	21.4	6 20	20 43.50	+ 7 15.7	2.017	2.768	16.7	19.7
6 30	20 42.68	- 9 27.9	2.419	3.318	9.6	21.3	6 30	20 40.40	+ 7 58.1	1.919	2.748	14.7	19.5
7 10	20 36.49	- 9 25.7	2.358	3.318	6.8	21.1	7 10	20 35.39	+ 8 19.1	1.840	2.728	12.7	19.4
7 20	20 29.16	- 9 32.3	2.322	3.319	4.1	20.9	7 20	20 28.88	+ 8 15.4	1.780	2.709	10.8	19.2
7 30	20 21.34	- 9 46.5	2.314	3.319	2.9	20.8	7 30	20 21.58	+ 7 45.1	1.743	2.690	9.7	19.1
8 9	20 13.73	-10 6.2	2.334	3.319	4.9	21.0	8 9	20 14.34	+ 6 49.7	1.730	2.671	10.0	19.1
8 19	20 7.02	-10 29.1	2.381	3.319	7.7	21.1	8 19	20 8.03	+ 5 33.4	1.740	2.653	11.7	19.1
8 29	20 1.79	-10 52.8	2.453	3.319	10.5	21.3	8 29	20 3.44	+ 4 2.6	1.773	2.635	14.0	19.2
<b>63119</b>	2000 <i>WX</i> <sub>171</sub>	7 26.5 217°23		2°7/24.5 18			<b>121334</b>	1999 <i>TQ</i> <sub>3</sub>	7 26.6 251°27		2°1/25.4 18		
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>48680</b>	1996 BU		7 26.6 282°84	2°5/27.5	18		<b>181807</b>	1998 QA97		7 26.6 3°02	2°7/27.7	18	
6 20	20 51.63	-14 8.5	1.563	2.411	16.6	18.9	6 20	20 47.27	-13 49.4	1.677	2.528	15.5	18.8
6 30	20 47.14	-13 45.0	1.476	2.398	13.1	18.6	6 30	20 43.43	-13 16.0	1.604	2.527	12.2	18.6
7 10	20 40.01	-13 31.0	1.410	2.385	9.0	18.3	7 10	20 37.35	-12 51.4	1.552	2.527	8.3	18.3
7 20	20 30.82	-13 25.9	1.366	2.372	4.5	18.0	7 20	20 29.66	-12 35.4	1.523	2.528	4.4	18.1
7 30	20 20.59	-13 27.7	1.347	2.359	2.8	17.9	7 30	20 21.29	-12 26.8	1.520	2.530	2.9	18.0
8 9	20 10.60	-13 33.9	1.355	2.346	6.8	18.1	8 9	20 13.32	-12 23.6	1.542	2.533	6.2	18.2
8 19	20 2.10	-13 42.0	1.386	2.333	11.4	18.4	8 19	20 6.71	-12 23.9	1.589	2.537	10.1	18.5
8 29	19 56.07	-13 49.5	1.440	2.320	15.6	18.6	8 29	20 2.25	-12 25.4	1.658	2.541	13.7	18.7
<b>442141</b>	2010 UX94		7 26.6 291°45	4°1/23.6	18		<b>482438</b>	2012 DK5		7 26.6 214°32	2°3/28.6	18	
6 20	20 48.28	-28 28.1	2.203	3.060	12.1	20.9	6 20	20 45.45	- 8 25.7	2.882	3.686	10.9	21.9
6 30	20 44.05	-29 26.3	2.120	3.048	9.4	20.7	6 30	20 41.21	- 8 47.9	2.786	3.680	8.7	21.7
7 10	20 37.73	-30 25.7	2.060	3.036	6.5	20.5	7 10	20 35.56	- 9 20.6	2.714	3.673	6.1	21.6
7 20	20 29.82	-31 21.2	2.025	3.025	4.3	20.3	7 20	20 28.88	-10 2.7	2.669	3.666	3.6	21.4
7 30	20 21.13	-32 7.3	2.018	3.013	4.7	20.3	7 30	20 21.70	-10 52.0	2.652	3.659	2.4	21.3
8 9	20 12.63	-32 40.0	2.038	3.002	7.3	20.5	8 9	20 14.63	-11 45.6	2.664	3.651	4.3	21.4
8 19	20 5.25	-32 57.6	2.083	2.990	10.3	20.6	8 19	20 8.28	-12 40.4	2.704	3.643	6.9	21.6
8 29	19 59.81	-33 0.4	2.150	2.979	13.1	20.8	8 29	20 3.17	-13 33.5	2.771	3.634	9.5	21.7
<b>371579</b>	2006 VF143		7 26.6 254°07	2°0/25.5	17		<b>218870</b>	2006 XS53		7 26.6 17°30	2°6/27.7	18	
6 20	20 52.23	-22 1.3	1.719	2.576	14.9	21.7	6 20	20 49.98	-13 12.1	1.371	2.228	18.0	19.9
6 30	20 47.56	-22 38.0	1.631	2.562	11.5	21.4	6 30	20 45.99	-12 59.0	1.303	2.230	14.1	19.6
7 10	20 40.27	-23 21.1	1.566	2.548	7.5	21.1	7 10	20 39.26	-12 59.1	1.255	2.232	9.6	19.4
7 20	20 30.93	-24 5.8	1.524	2.534	3.3	20.9	7 20	20 30.50	-13 10.8	1.228	2.234	4.9	19.1
7 30	20 20.53	-24 46.4	1.509	2.520	3.0	20.8	7 30	20 20.85	-13 31.3	1.225	2.237	2.9	19.0
8 9	20 10.34	-25 17.9	1.521	2.505	7.2	21.0	8 9	20 11.68	-13 56.3	1.247	2.240	7.0	19.3
8 19	20 1.58	-25 37.4	1.557	2.489	11.5	21.2	8 19	20 4.21	-14 22.0	1.292	2.243	11.7	19.5
8 29	19 55.24	-25 44.5	1.616	2.474	15.3	21.5	8 29	19 59.39	-14 44.9	1.359	2.247	15.8	19.8
<b>325966</b>	2010 VE126		7 26.6 222°66	1°1/25.7	18		<b>309319</b>	2007 SO		7 26.6 277°45	0°1/26.5	18	
6 20	20 46.82	-20 33.7	2.674	3.516	10.7	21.2	6 20	20 53.12	-18 48.2	2.369	3.200	12.2	20.6
6 30	20 42.42	-21 12.4	2.587	3.510	8.1	21.1	6 30	20 47.68	-18 56.0	2.247	3.163	9.5	20.4
7 10	20 36.41	-21 55.9	2.524	3.504	5.2	20.9	7 10	20 40.13	-19 9.0	2.149	3.125	6.2	20.1
7 20	20 29.22	-22 41.1	2.487	3.497	2.2	20.6	7 20	20 30.87	-19 25.0	2.077	3.087	2.6	19.8
7 30	20 21.47	-23 24.6	2.480	3.491	1.8	20.6	7 30	20 20.62	-19 41.1	2.034	3.047	1.4	19.7
8 9	20 13.88	-24 3.1	2.501	3.484	4.8	20.8	8 9	20 10.29	-19 54.4	2.019	3.006	5.4	19.9
8 19	20 7.13	-24 34.6	2.550	3.477	7.8	21.0	8 19	20 0.82	-20 3.0	2.033	2.965	9.2	20.0
8 29	20 1.84	-24 57.7	2.623	3.470	10.5	21.2	8 29	19 53.09	-20 5.9	2.071	2.923	12.7	20.2
<b>254411</b>	2004 TG360		7 26.6 316°89	2°8/24.9	18		<b>12566</b>	Derichardson		7 26.6 177°79	1°9/28.0	18	
6 20	20 49.59	-26 45.6	2.189	3.043	12.3	20.1	6 20	20 46.23	-11 16.7	2.722	3.539	11.2	18.9
6 30	20 44.88	-27 8.2	2.110	3.038	9.4	19.9	6 30	20 41.82	-11 23.3	2.637	3.540	8.8	18.7
7 10	20 38.15	-27 31.2	2.054	3.033	6.3	19.7	7 10	20 35.95	-11 38.5	2.575	3.540	6.0	18.6
7 20	20 29.95	-27 50.6	2.023	3.028	3.4	19.5	7 20	20 29.03	-12 1.1	2.539	3.541	3.2	18.4
7 30	20 21.11	-28 2.6	2.019	3.023	3.4	19.5	7 30	20 21.65	-12 29.2	2.531	3.541	2.0	18.3
8 9	20 12.59	-28 4.9	2.043	3.019	6.3	19.6	8 9	20 14.46	-13 0.4	2.553	3.541	4.3	18.5
8 19	20 5.27	-27 56.6	2.092	3.014	9.5	19.8	8 19	20 8.07	-13 32.2	2.602	3.541	7.1	18.6
8 29	19 59.87	-27 38.4	2.165	3.010	12.4	20.0	8 29	20 3.04	-14 2.5	2.676	3.540	9.7	18.8
<b>188883</b>	2006 WJ44		7 26.6 176°05	2°5/27.9	17		<b>348041</b>	2003 UA93		7 26.6 349°93	13°6/31.3	18	
6 20	20 50.53	-11 0.2	1.794	2.626	15.5	21.2	6 20	20 38.12	+ 1 43.9	1.067	1.911	22.9	19.2
6 30	20 45.84	-11 10.8	1.716	2.628	12.2	21.0	6 30	20 37.54	+ 3 41.1	0.997	1.893	20.1	19.0
7 10	20 38.90	-11 35.0	1.659	2.629	8.4	20.8	7 10	20 34.18	+ 5 14.6	0.943	1.878	17.3	18.8
7 20	20 30.30	-12 10.9	1.626	2.630	4.4	20.5	7 20	20 28.59	+ 6 16.0	0.906	1.865	14.8	18.6
7 30	20 20.92	-12 55.1	1.619	2.630	2.7	20.4	7 30	20 21.85	+ 6 38.7	0.886	1.855	13.6	18.5
8 9	20 11.85	-13 43.3	1.640	2.630	6.0	20.6	8 9	20 15.38	+ 6 22.3	0.885	1.847	14.4	18.5
8 19	20 4.08	-14 31.1	1.686	2.630	10.0	20.9	8 19	20 10.55	+ 5 31.7	0.901	1.842	16.7	18.6
8 29	19 58.43	-15 14.9	1.755	2.629	13.5	21.1	8 29	20 8.51	+ 4 16.6	0.935	1.839	19.7	18.8
<b>178695</b>	2000 SH55		7 26.6 0°13	6°0/23.8	18		<b>475245</b>	2005 WL30		7 26.6 172°57	3°5/23.7	18	
6 20	20 51.96	-33 28.1	1.728	2.591	14.6	19.4	6 20	20 49.35	-29 58.3	2.901	3.744	9.9	22.3
6 30	20 47.30	-34 4.8	1.662	2.590	11.5	19.2	6 30	20 44.28	-30 46.5	2.827	3.746	7.6	22.2
7 10	20 39.98	-34 36.6	1.618	2.589	8.4	19.0	7 10	20 37.58	-31 33.8	2.777	3.749	5.3	22.0
7 20	20 30.74	-34 57.2	1.597	2.589	6.2	18.9	7 20	20 29.72	-32 16.1	2.755	3.750	3.6	21.9
7 30	20 20.73	-35 1.2	1.601	2.589	6.6	18.9	7 30	20 21.34	-32 49.8	2.761	3.752	4.0	21.9
8 9	20 11.29	-34 46.1	1.630	2.590	9.1	19.0	8 9	20 13.19	-33 12.5	2.796	3.753	5.9	22.1
8 19	20 3.57	-34 13.0	1.683	2.592	12.3	19.2	8 19	20 5.96	-33 23.3	2.857	3.754	8.2	22.2
8 29	19 58.44	-33 24.8	1.757	2.594	15.2	19.4	8 29	20 0.25	-33 22.5	2.943	3.754	10.4	22.4
<b>293040</b>	2006 WE95		7 26.6 213°56	0°9/25.9	18		<b>332910</b>	2011 BA93		7 26.6 351°82	4°4/28.3	17	
6 20	20 48.43	-20 14.2	2.611	3.450	11.0	21.6	6 20	20 49.00	-10 32.9	1.362	2.214	18.4	20.0
6 30	20 43.67	-20 44.2	2.523	3.444	8.4	21.4	6 30	20 45.30	- 9 57.8	1.290	2.210	14.7	19.8
7 10	20 37.23	-21 18.9	2.458	3.437	5.4	21.2	7 10	20 38.87	- 9 36.9	1.236	2.208	10.5	19.5
7 20	20 29.57	-21 55.4	2.420	3.430	2.2	20.9	7 20	20 30.40	- 9 30.6	1.205	2.205	6.2	19.3
7 30	20 21.32	-22 30.4	2.411	3.423	1.6	20.9	7 30	20 20.97	- 9 37.9	1.197	2.204	4.5	19.2
8 9	20 13.25	-23 0.9	2.431	3.415	4.8	21.1	8 9	20 11.96	- 9 55.4	1.213	2.203	7.6	19.4
8 19	20 6.06	-23 25.1	2.478	3.407	7.9	21.3	8 19	20 4.59	-10 19.2	1.252	2.203	12.0	19.6
8 29	20 0.40	-23 41.7	2.550	3.398	10.7	21.5	8 29	19 59.84	-10 45.2	1.311	2.203	16.1	19.9
<b>343499</b>	2010 EJ105		7 26.6 95°99	3°0/25.0	17		<b>66520</b>	1999 RQ101		7 26.6 311°03	7°8/29.5	18	
6 20	20 53.20	-26 20.8	1.926	2.780	13.7	20.8	6 20	20 47.36	- 3 11.3				

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>359951</b>	2012 <i>BD</i> <sub>12</sub>		7 26.6 327°00	1.8	25.2	18	<b>265229</b>	2004 <i>DE</i> <sub>1</sub>		7 26.6 234°55	0.2	26.7	18
6 20	20 45.48	-19 49.5	1.963	2.821	13.3	19.8	6 20	20 54.63	-18 24.2	1.891	2.731	14.4	21.4
6 30	20 42.06	-20 59.4	1.879	2.811	10.1	19.6	6 30	20 49.08	-18 23.9	1.798	2.719	11.2	21.1
7 10	20 36.55	-22 18.8	1.818	2.802	6.5	19.3	7 10	20 41.12	-18 29.7	1.727	2.705	7.3	20.9
7 20	20 29.42	-23 42.5	1.783	2.793	2.9	19.1	7 20	20 31.29	-18 38.9	1.681	2.691	3.0	20.6
7 30	20 21.46	-25 4.4	1.775	2.784	2.7	19.1	7 30	20 20.54	-18 48.6	1.663	2.677	1.5	20.4
8 9	20 13.66	-26 18.2	1.794	2.776	6.4	19.3	8 9	20 10.00	-18 55.7	1.673	2.662	6.1	20.7
8 19	20 6.96	-27 19.7	1.838	2.768	10.2	19.5	8 19	20 0.77	-18 58.5	1.708	2.646	10.3	20.9
8 29	20 2.19	-28 6.6	1.906	2.760	13.5	19.7	8 29	19 53.77	-18 56.1	1.767	2.629	14.0	21.1
<b>235186</b>	2003 <i>SN</i> <sub>99</sub>		7 26.6 336°57	5.9	23.9	18	<b>152492</b>	2005 <i>WM</i> <sub>91</sub>		7 26.6 12°54	4.5	23.5	18
6 20	20 51.95	-31 35.5	1.543	2.413	15.6	19.4	6 20	20 48.80	-29 39.4	2.071	2.931	12.6	19.5
6 30	20 47.67	-32 18.0	1.472	2.406	12.3	19.2	6 30	20 44.50	-30 38.8	2.003	2.932	9.8	19.3
7 10	20 40.46	-32 57.9	1.423	2.399	8.8	19.0	7 10	20 38.04	-31 37.9	1.958	2.933	6.9	19.1
7 20	20 31.04	-33 27.9	1.396	2.392	6.2	18.8	7 20	20 29.99	-32 31.0	1.937	2.934	4.7	19.0
7 30	20 20.64	-33 41.4	1.393	2.387	6.6	18.8	7 30	20 21.24	-33 12.6	1.944	2.936	5.2	19.0
8 9	20 10.75	-33 34.9	1.415	2.381	9.6	19.0	8 9	20 12.83	-33 39.2	1.977	2.938	7.7	19.2
8 19	20 2.69	-33 8.7	1.460	2.376	13.2	19.2	8 19	20 5.70	-33 49.5	2.034	2.940	10.6	19.4
8 29	19 57.48	-32 25.8	1.525	2.372	16.6	19.4	8 29	20 0.63	-33 44.5	2.114	2.942	13.3	19.5
<b>342799</b>	2008 <i>WV</i> <sub>136</sub>		7 26.6 252°21	2.2	25.4	18	<b>336819</b>	2011 <i>EW</i> <sub>25</sub>		7 26.6 55°32	1.4	25.8	17
6 20	20 51.60	-23 46.4	1.984	2.837	13.4	21.2	6 20	20 50.33	-20 17.4	1.550	2.414	15.9	20.6
6 30	20 46.70	-24 12.4	1.898	2.826	10.3	21.0	6 30	20 46.03	-20 53.8	1.488	2.422	12.1	20.4
7 10	20 39.51	-24 41.6	1.834	2.815	6.7	20.8	7 10	20 39.18	-21 37.6	1.447	2.431	7.8	20.2
7 20	20 30.60	-25 9.9	1.795	2.804	3.2	20.5	7 20	20 30.48	-22 23.9	1.429	2.440	3.2	19.9
7 30	20 20.86	-25 32.9	1.784	2.793	2.9	20.5	7 30	20 21.02	-23 6.9	1.437	2.449	2.5	19.9
8 9	20 11.38	-25 47.1	1.800	2.781	6.5	20.7	8 9	20 12.07	-23 41.8	1.471	2.459	6.9	20.2
8 19	20 3.17	-25 51.0	1.841	2.770	10.2	20.9	8 19	20 4.75	-24 5.8	1.529	2.468	11.2	20.5
8 29	19 57.09	-25 44.5	1.906	2.758	13.6	21.1	8 29	19 59.90	-24 18.1	1.609	2.478	14.8	20.7
<b>84015</b>	Eftymiopoulos		7 26.6 169°74	2.4	27.9	18	<b>311310</b>	2005 <i>KJ</i> <sub>12</sub>		7 26.6 75°70	8.6	29.3	17
6 20	20 51.55	-10 59.2	1.879	2.706	15.1	20.3	6 20	21 0.94	-3 22.7	1.480	2.279	19.7	19.6
6 30	20 46.52	-11 11.9	1.801	2.709	11.8	20.1	6 30	20 53.68	-1 36.6	1.431	2.307	16.3	19.5
7 10	20 39.31	-11 37.6	1.744	2.712	8.1	19.8	7 10	20 43.82	-0 8.2	1.402	2.335	12.8	19.3
7 20	20 30.49	-12 14.4	1.711	2.715	4.3	19.6	7 20	20 32.24	+ 0 58.3	1.395	2.363	9.7	19.2
7 30	20 20.94	-12 59.0	1.706	2.717	2.6	19.5	7 30	20 20.17	+ 1 40.3	1.414	2.391	8.6	19.2
8 9	20 11.69	-13 47.1	1.728	2.718	5.8	19.7	8 9	20 8.93	+ 1 58.8	1.459	2.419	10.0	19.4
8 19	20 3.70	-14 34.6	1.777	2.719	9.7	20.0	8 19	19 59.62	+ 1 57.4	1.527	2.445	12.6	19.6
8 29	19 57.78	-15 18.1	1.849	2.719	13.1	20.2	8 29	19 53.00	+ 1 41.8	1.617	2.472	15.5	19.9
<b>193529</b>	2000 <i>YV</i> <sub>86</sub>		7 26.6 224°75	0.7	26.9	18	<b>455317</b>	2002 <i>HA</i> <sub>13</sub>		7 26.6 58°72	7.4	1.5	17
6 20	20 50.65	-15 55.2	2.194	3.028	12.9	21.2	6 20	20 50.04	+ 5 0.7	1.266	2.060	22.6	20.2
6 30	20 45.66	-16 6.9	2.103	3.019	10.0	21.0	6 30	20 45.93	+ 3 55.4	1.215	2.087	18.9	20.0
7 10	20 38.70	-16 26.3	2.033	3.009	6.6	20.7	7 10	20 39.13	+ 2 12.5	1.180	2.115	14.6	19.8
7 20	20 30.24	-16 51.3	1.990	2.999	2.9	20.5	7 20	20 30.45	- 0 5.6	1.166	2.142	10.3	19.6
7 30	20 21.06	-17 18.9	1.974	2.988	1.4	20.3	7 30	20 21.08	- 2 50.5	1.176	2.170	7.5	19.6
8 9	20 12.05	-17 46.1	1.987	2.977	5.2	20.6	8 9	20 12.38	- 5 48.4	1.213	2.198	8.5	19.7
8 19	20 4.10	-18 10.2	2.027	2.965	8.9	20.8	8 19	20 5.49	- 8 44.6	1.275	2.225	11.9	20.0
8 29	19 57.95	-18 29.4	2.091	2.952	12.2	21.0	8 29	20 1.27	-11 27.1	1.361	2.253	15.5	20.3
<b>114024</b>	Scotkleinman		7 26.6 95°42	4.6	29.3	17	<b>339306</b>	2004 <i>XV</i> <sub>83</sub>		7 26.6 269°14	2.5	27.8	18
6 20	20 48.56	- 6 0.9	1.982	2.793	15.0	20.2	6 20	20 51.04	-11 54.3	2.118	2.941	13.7	21.9
6 30	20 44.03	- 5 43.8	1.910	2.802	12.1	20.1	6 30	20 46.21	-11 47.1	2.007	2.914	10.9	21.6
7 10	20 37.58	- 5 41.0	1.859	2.811	8.9	19.9	7 10	20 39.24	-11 49.8	1.918	2.886	7.6	21.4
7 20	20 29.75	- 5 52.6	1.831	2.820	5.9	19.7	7 20	20 30.57	-12 1.5	1.855	2.857	4.1	21.1
7 30	20 21.36	- 6 17.1	1.830	2.829	4.6	19.7	7 30	20 20.94	-12 20.7	1.818	2.828	2.6	20.9
8 9	20 13.29	- 6 51.5	1.855	2.838	6.3	19.8	8 9	20 11.30	-12 44.6	1.810	2.798	5.7	21.1
8 19	20 6.38	- 7 32.0	1.907	2.846	9.3	20.0	8 19	20 2.61	-13 10.5	1.828	2.768	9.6	21.3
8 29	20 1.32	- 8 14.7	1.982	2.855	12.3	20.2	8 29	19 55.75	-13 35.6	1.870	2.737	13.2	21.4
<b>266209</b>	2006 <i>WP</i> <sub>96</sub>		7 26.6 61°46	5.4	23.8	17	<b>478919</b>	2012 <i>XG</i> <sub>3</sub>		7 26.6 281°14	0.3	26.5	18
6 20	20 52.70	-28 18.5	1.452	2.324	16.3	19.8	6 20	20 49.86	-18 53.1	1.886	2.736	14.1	22.0
6 30	20 48.24	-29 28.6	1.395	2.331	12.6	19.6	6 30	20 45.47	-19 5.1	1.795	2.721	10.9	21.7
7 10	20 40.80	-30 39.9	1.358	2.338	8.7	19.4	7 10	20 38.79	-19 23.9	1.725	2.706	7.1	21.5
7 20	20 31.17	-31 44.1	1.345	2.345	5.7	19.3	7 20	20 30.38	-19 46.6	1.681	2.691	2.9	21.2
7 30	20 20.62	-32 32.9	1.356	2.353	6.2	19.3	7 30	20 21.07	-20 9.5	1.663	2.676	1.6	21.0
8 9	20 10.66	-33 1.2	1.392	2.360	9.5	19.5	8 9	20 11.96	-20 29.2	1.672	2.661	6.0	21.3
8 19	20 2.63	-33 8.2	1.451	2.368	13.3	19.8	8 19	20 4.08	-20 43.2	1.706	2.646	10.1	21.5
8 29	19 57.49	-32 56.2	1.530	2.376	16.6	20.0	8 29	19 58.29	-20 50.1	1.764	2.631	13.8	21.7
<b>435664</b>	2008 <i>ST</i> <sub>288</sub>		7 26.6 277°18	6.2	30.4	18	<b>377102</b>	2002 <i>WT</i> <sub>21</sub>		7 26.6 278°15	0.9	26.1	15
6 20	20 46.92	- 1 23.8	1.890	2.687	16.1	21.4	6 20	20 50.62	-18 55.4	1.632	2.490	15.5	22.0
6 30	20 43.18	- 1 17.8	1.790	2.668	13.5	21.2	6 30	20 46.54	-19 29.2	1.538	2.469	12.0	21.7
7 10	20 37.32	- 1 31.5	1.710	2.649	10.5	20.9	7 10	20 39.80	-20 13.2	1.465	2.448	7.9	21.4
7 20	20 29.77	- 2 6.1	1.652	2.630	7.6	20.7	7 20	20 30.90	-21 3.1	1.416	2.427	3.2	21.1
7 30	20 21.31	- 3 0.8	1.620	2.610	6.2	20.6	7 30	20 20.79	-21 53.5	1.393	2.406	2.2	21.0
8 9	20 12.89	- 4 11.9	1.613	2.591	7.5	20.6	8 9	20 10.77	-22 38.5	1.396	2.384	7.1	21.2
8 19	20 5.49	- 5 33.8	1.632	2.571	10.5	20.8	8 19	20 2.10	-23 13.9	1.423	2.362	11.8	21.4
8 29	19 59.99	- 7 0.1	1.674	2.552	13.9	20.9	8 29	19 55.90	-23 37.7	1.472	2.340	15.9	21.7
<b>150146</b>	1996 <i>ES</i> <sub>9</sub>		7										

EPHEMERIDES

7 26.6

7 26.6

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>165620</b>	2001 <i>FF</i> <sub>109</sub>		7 26.6	38°63	4.4/24.7	17	<b>320567</b>	2008 <i>AL</i> <sub>87</sub>		7 26.6	348°28	1.2/26.9	18
6 20	20 53.41	-29 18.4	1.675	2.538	15.0	19.6	6 20	20 50.82	-17 58.4	1.206	2.081	18.8	20.1
6 30	20 48.33	-29 45.7	1.613	2.544	11.6	19.4	6 30	20 47.13	-17 30.1	1.137	2.075	14.6	19.8
7 10	20 40.63	-30 11.2	1.572	2.550	7.9	19.2	7 10	20 40.31	-17 9.4	1.086	2.070	9.7	19.5
7 20	20 31.07	-30 29.0	1.554	2.556	4.9	19.0	7 20	20 31.11	-16 54.5	1.056	2.066	4.2	19.2
7 30	20 20.81	-30 34.3	1.563	2.563	5.0	19.0	7 30	20 20.84	-16 43.1	1.049	2.063	2.2	19.0
8 9	20 11.15	-30 24.7	1.597	2.570	8.1	19.2	8 9	20 11.10	-16 32.5	1.066	2.061	7.6	19.4
8 19	20 3.23	-30 0.5	1.655	2.577	11.6	19.5	8 19	20 3.32	-16 21.1	1.105	2.059	12.9	19.6
8 29	19 57.88	-29 24.1	1.736	2.585	14.8	19.7	8 29	19 58.57	-16 7.7	1.164	2.058	17.4	19.9
<b>276057</b>	2002 <i>CX</i> <sub>62</sub>		7 26.6	258°04	1.4/25.6	18	<b>9068</b>	1993 <i>OD</i>		7 26.6	271°76	0.9/26.6	18
6 20	20 49.85	-17 41.0	1.924	2.771	14.0	20.7	6 20	21 10.36	-23 57.7	1.044	1.907	21.9	16.2
6 30	20 45.59	-18 57.5	1.829	2.755	10.7	20.5	6 30	21 3.29	-22 29.0	0.957	1.889	17.4	15.8
7 10	20 39.01	-20 26.9	1.757	2.738	6.9	20.2	7 10	20 51.54	-20 50.0	0.889	1.871	11.7	15.4
7 20	20 30.54	-22 4.2	1.710	2.720	2.9	19.9	7 20	20 35.93	-18 58.3	0.842	1.853	4.9	15.0
7 30	20 21.02	-23 42.1	1.692	2.703	2.4	19.9	7 30	20 18.32	-16 54.9	0.820	1.834	2.7	14.8
8 9	20 11.51	-25 13.4	1.701	2.685	6.6	20.1	8 9	20 1.29	-14 46.0	0.824	1.815	10.0	15.1
8 19	20 3.09	-26 32.5	1.737	2.666	10.7	20.3	8 19	19 47.17	-12 40.9	0.850	1.796	16.8	15.4
8 29	19 56.73	-27 36.1	1.797	2.647	14.3	20.5	8 29	19 37.56	-10 47.0	0.896	1.776	22.6	15.7
<b>36274</b>	2000 <i>AV</i> <sub>107</sub>		7 26.6	5°54	1.6/25.2	18	<b>131662</b>	2001 <i>XX</i> <sub>149</sub>		7 26.6	354°11	0.9/26.2	18
6 20	20 43.54	-20 54.0	2.476	3.328	11.1	17.6	6 20	20 51.34	-18 47.0	1.303	2.173	18.0	19.8
6 30	20 40.10	-21 52.4	2.400	3.329	8.4	17.4	6 30	20 47.40	-19 18.6	1.235	2.173	13.8	19.5
7 10	20 35.03	-22 56.4	2.348	3.331	5.4	17.2	7 10	20 40.44	-20 1.2	1.187	2.172	8.9	19.3
7 20	20 28.79	-24 2.1	2.323	3.332	2.4	17.0	7 20	20 31.17	-20 49.5	1.160	2.172	3.6	19.0
7 30	20 21.99	-25 5.1	2.326	3.335	2.3	17.0	7 30	20 20.83	-21 37.0	1.158	2.172	2.3	18.9
8 9	20 15.39	-26 1.5	2.356	3.337	5.2	17.2	8 9	20 10.97	-22 17.4	1.181	2.171	7.7	19.2
8 19	20 9.68	-26 48.4	2.414	3.341	8.2	17.4	8 19	20 2.96	-22 46.7	1.226	2.172	12.7	19.5
8 29	20 5.46	-27 24.5	2.495	3.344	10.9	17.6	8 29	19 57.88	-23 3.6	1.292	2.172	17.0	19.7
<b>250586</b>	2005 <i>BS</i> <sub>16</sub>		7 26.6	148°05	2°6/25.6	17	<b>61644</b>	2000 <i>QE</i> <sub>109</sub>		7 26.6	71°70	8.1/23.2	18
6 20	20 57.15	-24 52.0	1.529	2.388	16.3	20.5	6 20	20 58.63	-37 56.3	1.617	2.471	15.8	18.8
6 30	20 51.38	-25 4.6	1.461	2.392	12.6	20.3	6 30	20 52.66	-38 50.1	1.564	2.481	12.8	18.6
7 10	20 42.73	-25 18.9	1.413	2.395	8.2	20.0	7 10	20 43.59	-39 34.8	1.533	2.490	10.0	18.5
7 20	20 31.98	-25 29.7	1.390	2.399	3.9	19.8	7 20	20 32.33	-40 1.9	1.524	2.500	8.3	18.4
7 30	20 20.37	-25 32.3	1.392	2.402	3.4	19.8	7 30	20 20.31	-40 5.0	1.540	2.511	8.7	18.4
8 9	20 9.38	-25 23.8	1.421	2.404	7.6	20.0	8 9	20 9.15	-39 42.5	1.580	2.521	10.9	18.6
8 19	20 0.29	-25 4.1	1.473	2.407	11.9	20.3	8 19	20 0.18	-38 57.1	1.643	2.531	13.7	18.8
8 29	19 54.01	-24 34.9	1.548	2.409	15.7	20.5	8 29	19 54.30	-37 53.9	1.726	2.541	16.4	19.0
<b>324882</b>	2007 <i>TG</i> <sub>442</sub>		7 26.6	219°23	0°4/26.4	17	<b>471116</b>	2010 <i>CJ</i> <sub>75</sub>		7 26.6	269°06	1°4/27.5	18
6 20	20 53.20	-18 22.9	1.579	2.433	16.2	21.3	6 20	20 49.17	-12 56.7	1.898	2.735	14.5	21.7
6 30	20 48.38	-18 43.3	1.500	2.429	12.5	21.0	6 30	20 45.02	-13 22.9	1.798	2.715	11.4	21.4
7 10	20 40.86	-19 12.7	1.442	2.424	8.1	20.8	7 10	20 38.61	-14 2.3	1.719	2.693	7.7	21.2
7 20	20 31.28	-19 47.1	1.408	2.418	3.3	20.5	7 20	20 30.40	-14 52.8	1.665	2.672	3.6	20.9
7 30	20 20.70	-20 21.7	1.399	2.413	1.9	20.4	7 30	20 21.19	-15 50.4	1.637	2.650	1.8	20.7
8 9	20 10.46	-20 51.7	1.417	2.407	6.8	20.7	8 9	20 12.01	-16 50.2	1.637	2.628	5.9	20.9
8 19	20 1.78	-21 14.0	1.459	2.400	11.4	20.9	8 19	20 3.91	-17 47.4	1.662	2.605	10.1	21.1
8 29	19 55.66	-21 27.2	1.523	2.393	15.4	21.2	8 29	19 57.81	-18 38.2	1.711	2.582	14.0	21.3
<b>91169</b>	1998 <i>QT</i> <sub>108</sub>		7 26.6	346°25	2°7/28.2	18	<b>262</b>	Valda		7 26.6	258°51	4°4/24.0	18
6 20	20 45.04	-11 0.4	1.882	2.721	14.5	18.8	6 20	20 53.40	-28 38.9	1.965	2.819	13.4	16.2
6 30	20 41.63	-11 0.7	1.800	2.716	11.5	18.6	6 30	20 48.38	-29 31.3	1.875	2.801	10.5	15.9
7 10	20 36.22	-11 13.4	1.740	2.710	8.0	18.3	7 10	20 40.84	-30 25.2	1.806	2.782	7.3	15.7
7 20	20 29.32	-11 37.4	1.703	2.705	4.4	18.1	7 20	20 31.32	-31 14.5	1.763	2.763	4.7	15.5
7 30	20 21.73	-12 10.1	1.691	2.701	2.8	18.0	7 30	20 20.75	-31 52.8	1.747	2.743	5.1	15.5
8 9	20 14.37	-12 48.1	1.706	2.698	5.7	18.2	8 9	20 10.33	-32 15.9	1.758	2.723	8.1	15.6
8 19	20 8.14	-13 27.4	1.747	2.695	9.4	18.4	8 19	20 1.24	-32 21.9	1.793	2.703	11.6	15.8
8 29	20 3.78	-14 4.8	1.810	2.692	12.8	18.6	8 29	19 54.45	-32 11.8	1.850	2.682	14.8	16.0
<b>429638</b>	2011 <i>FW</i> <sub>131</sub>		7 26.6	89°57	3°0/25.3	17	<b>229087</b>	2004 <i>NS</i> <sub>16</sub>		7 26.6	352°93	2°2/27.6	17
6 20	20 55.03	-25 43.6	1.698	2.556	15.1	21.7	6 20	20 48.38	-13 48.0	1.407	2.266	17.5	19.9
6 30	20 49.38	-26 9.4	1.641	2.570	11.5	21.5	6 30	20 44.82	-13 39.5	1.335	2.263	13.7	19.7
7 10	20 41.22	-26 36.0	1.604	2.585	7.5	21.3	7 10	20 38.61	-13 43.5	1.282	2.261	9.3	19.4
7 20	20 31.30	-26 58.6	1.592	2.600	3.8	21.1	7 20	20 30.39	-13 58.5	1.251	2.259	4.6	19.2
7 30	20 20.77	-27 12.2	1.607	2.614	3.7	21.2	7 30	20 21.26	-14 21.3	1.245	2.257	2.6	19.0
8 9	20 10.88	-27 14.2	1.648	2.628	7.2	21.4	8 9	20 12.52	-14 47.8	1.263	2.256	6.8	19.3
8 19	20 2.71	-27 4.2	1.715	2.642	10.9	21.7	8 19	20 5.38	-15 14.0	1.304	2.256	11.5	19.5
8 29	19 57.04	-26 43.7	1.803	2.656	14.2	21.9	8 29	20 0.80	-15 36.7	1.367	2.257	15.6	19.8
<b>420374</b>	2012 <i>BP</i> <sub>121</sub>		7 26.6	159°60	2°5/27.9	17	<b>318456</b>	2005 <i>EV</i> <sub>10</sub>		7 26.6	124°90	0°2/26.7	17
6 20	20 53.40	-11 54.1	1.743	2.574	15.9	22.6	6 20	20 54.89	-17 29.5	1.700	2.545	15.6	21.7
6 30	20 48.08	-11 51.2	1.668	2.579	12.5	22.4	6 30	20 49.22	-17 45.0	1.636	2.559	12.0	21.5
7 10	20 40.42	-12 0.2	1.614	2.584	8.6	22.2	7 10	20 41.13	-18 8.6	1.593	2.572	7.8	21.3
7 20	20 31.03	-12 19.9	1.585	2.589	4.5	22.0	7 20	20 31.31	-18 36.9	1.575	2.585	3.2	21.1
7 30	20 20.88	-12 47.2	1.582	2.593	2.7	21.9	7 30	20 20.83	-19 5.6	1.584	2.598	1.6	21.0
8 9	20 11.12	-13 18.5	1.606	2.596	6.2	22.1	8 9	20 10.87	-19 30.8	1.620	2.609	6.1	21.3
8 19	20 2.77	-13 50.2	1.656	2.599	10.2	22.3	8 19	20 2.49	-19 50.1	1.681	2.621	10.3	21.6
8 29	19 56.68	-14 19.4	1.729	2.601	13.8	22.6	8 29	19 56.50	-20 2.3	1.766	2.631	13.9	21.8
<b>391039</b>	2005 <i>TO</i> <sub>83</sub>		7 26.6	76°79	7°4/ 1.1	16	<b>439896</b>	2000 <i>SK</i> <sub>326</sub>	</				



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>84900</b>	2003 <i>SH</i> <sub>306</sub>		7 26.6 352°95	7.3/24.3	18		<b>115383</b>	2003 <i>SF</i> <sub>274</sub>		7 26.6 128°16	11.3/5.1	17	
6 20	20 52.98	-34 45.9	1.320	2.197	17.4	17.8	6 20	20 50.91	+14 12.4	1.932	2.626	19.0	20.5
6 30	20 48.95	-35 12.9	1.256	2.190	13.9	17.6	6 30	20 45.96	+14 43.7	1.864	2.641	17.0	20.4
7 10	20 41.53	-35 32.2	1.211	2.184	10.3	17.4	7 10	20 38.95	+14 46.9	1.812	2.656	14.8	20.2
7 20	20 31.61	-35 35.9	1.187	2.180	7.7	17.2	7 20	20 30.46	+14 18.7	1.780	2.670	12.9	20.1
7 30	20 20.69	-35 17.3	1.186	2.177	7.9	17.2	7 30	20 21.34	+13 18.5	1.769	2.684	11.6	20.1
8 9	20 10.53	-34 34.7	1.209	2.175	10.8	17.4	8 9	20 12.58	+11 49.8	1.782	2.697	11.4	20.1
8 19	20 2.63	-33 30.8	1.253	2.174	14.6	17.6	8 19	20 5.06	+9 59.1	1.819	2.709	12.5	20.2
8 29	19 58.01	-32 11.2	1.316	2.175	18.1	17.8	8 29	19 59.52	+7 55.2	1.879	2.720	14.2	20.3
<b>511173</b>	2013 <i>YR</i> <sub>69</sub>		7 26.6 183°80	0.4/26.4	17		<b>350904</b>	2002 <i>RR</i> <sub>93</sub>		7 26.6 318°89	5.1/24.9	18	
6 20	20 52.02	-19 32.6	2.390	3.225	12.0	23.2	6 20	20 54.48	-31 13.8	1.551	2.417	15.8	20.3
6 30	20 46.52	-19 46.4	2.307	3.225	9.2	23.0	6 30	20 49.84	-31 22.8	1.461	2.392	12.5	20.1
7 10	20 39.18	-20 4.7	2.247	3.225	5.9	22.8	7 10	20 42.11	-31 27.4	1.390	2.368	8.8	19.8
7 20	20 30.51	-20 24.9	2.214	3.224	2.4	22.5	7 20	20 31.94	-31 21.3	1.343	2.344	5.6	19.5
7 30	20 21.25	-20 44.1	2.210	3.223	1.4	22.5	7 30	20 20.54	-30 59.2	1.321	2.321	5.7	19.5
8 9	20 12.25	-20 59.6	2.234	3.221	5.0	22.7	8 9	20 9.49	-30 18.3	1.323	2.298	9.1	19.6
8 19	20 4.31	-21 9.9	2.286	3.219	8.3	22.9	8 19	20 0.24	-29 20.1	1.349	2.276	13.3	19.8
8 29	19 58.10	-21 14.2	2.363	3.216	11.3	23.1	8 29	19 53.94	-28 8.5	1.396	2.255	17.2	20.0
<b>43139</b>	1999 <i>XM</i> <sub>90</sub>		7 26.6 267°25	2.5/27.9	18		<b>216234</b>	2006 <i>UA</i> <sub>244</sub>		7 26.6 58°69	0.8/27.1	18	
6 20	20 49.25	-12 14.1	2.431	3.251	12.3	18.1	6 20	20 48.22	-15 37.8	2.045	2.887	13.5	21.0
6 30	20 44.36	-11 46.1	2.340	3.244	9.7	17.9	6 30	20 43.90	-15 51.8	1.967	2.888	10.4	20.8
7 10	20 37.77	-11 25.1	2.272	3.237	6.7	17.7	7 10	20 37.63	-16 14.3	1.912	2.889	6.8	20.6
7 20	20 29.95	-11 10.9	2.230	3.230	3.8	17.5	7 20	20 29.94	-16 43.0	1.882	2.890	3.0	20.4
7 30	20 21.55	-11 2.7	2.215	3.223	2.6	17.5	7 30	20 21.61	-17 14.6	1.878	2.892	1.4	20.3
8 9	20 13.36	-10 59.2	2.229	3.216	5.0	17.6	8 9	20 13.56	-17 45.7	1.902	2.893	5.2	20.5
8 19	20 6.10	-10 58.9	2.271	3.209	8.1	17.8	8 19	20 6.65	-18 13.6	1.952	2.895	8.9	20.8
8 29	20 0.42	-11 0.3	2.337	3.202	10.9	18.0	8 29	20 1.59	-18 36.1	2.026	2.896	12.2	21.0
<b>511220</b>	2014 <i>AY</i> <sub>52</sub>		7 26.6 156°19	4.6/29.7	17		<b>488578</b>	2002 <i>EE</i> <sub>76</sub>		7 26.6 120°47	3.0/28.2	17	
6 20	20 48.71	-4 10.5	2.289	3.082	13.7	21.7	6 20	20 51.89	-10 16.7	1.533	2.371	17.4	22.0
6 30	20 43.98	-4 0.3	2.208	3.087	11.2	21.6	6 30	20 47.21	-10 23.6	1.466	2.379	13.7	21.8
7 10	20 37.53	-4 4.2	2.150	3.093	8.4	21.4	7 10	20 40.01	-10 46.3	1.418	2.388	9.5	21.6
7 20	20 29.85	-4 22.1	2.115	3.098	5.8	21.2	7 20	20 30.95	-11 23.0	1.393	2.396	5.1	21.3
7 30	20 21.61	-4 52.8	2.108	3.102	4.6	21.2	7 30	20 21.09	-12 9.9	1.394	2.404	3.2	21.2
8 9	20 13.61	-5 33.4	2.128	3.106	5.9	21.3	8 9	20 11.68	-13 1.8	1.420	2.412	6.6	21.5
8 19	20 6.59	-6 20.4	2.175	3.110	8.5	21.4	8 19	20 3.83	-13 53.4	1.472	2.419	10.9	21.7
8 29	20 1.19	-7 10.0	2.247	3.113	11.3	21.6	8 29	19 58.42	-14 40.7	1.545	2.426	14.7	22.0
<b>362823</b>	2011 <i>YP</i> <sub>78</sub>		7 26.6 209°98	2.8/24.4	18		<b>442054</b>	2010 <i>RP</i> <sub>58</sub>		7 26.6 295°66	5.0/24.1	18	
6 20	20 48.30	-25 39.5	2.529	3.377	11.0	21.4	6 20	20 54.26	-33 35.3	2.147	2.995	12.7	20.7
6 30	20 43.77	-26 34.8	2.449	3.374	8.4	21.3	6 30	20 48.66	-33 59.8	2.071	2.990	10.0	20.5
7 10	20 37.47	-27 32.5	2.393	3.371	5.6	21.1	7 10	20 40.76	-34 19.4	2.017	2.984	7.3	20.3
7 20	20 29.85	-28 28.2	2.363	3.367	3.2	20.9	7 20	20 31.21	-34 29.2	1.988	2.979	5.3	20.2
7 30	20 21.60	-29 17.6	2.362	3.363	3.4	20.9	7 30	20 20.98	-34 25.1	1.986	2.974	5.5	20.2
8 9	20 13.53	-29 57.2	2.389	3.360	6.0	21.1	8 9	20 11.19	-34 5.0	2.010	2.968	7.8	20.3
8 19	20 6.42	-30 24.9	2.443	3.355	8.8	21.3	8 19	20 2.83	-33 29.9	2.061	2.963	10.6	20.5
8 29	20 0.95	-30 40.5	2.521	3.351	11.4	21.4	8 29	19 56.70	-32 42.2	2.133	2.958	13.3	20.7
<b>357918</b>	2005 <i>WS</i> <sub>41</sub>		7 26.6 39°15	5.6/22.9	18		<b>120567</b>	1995 <i>FU</i> <sub>6</sub>		7 26.6 210°85	0.8/26.0	18	
6 20	20 49.93	-32 12.0	1.946	2.807	13.3	19.9	6 20	20 47.54	-20 17.3	2.738	3.576	10.5	21.2
6 30	20 45.52	-33 18.9	1.889	2.816	10.4	19.7	6 30	20 42.97	-20 43.2	2.651	3.572	8.0	21.0
7 10	20 38.80	-34 23.1	1.855	2.825	7.6	19.5	7 10	20 36.85	-21 13.3	2.588	3.567	5.2	20.9
7 20	20 30.41	-35 18.1	1.845	2.835	5.8	19.5	7 20	20 29.59	-21 44.9	2.552	3.562	2.1	20.6
7 30	20 21.33	-35 58.0	1.861	2.845	6.3	19.5	7 30	20 21.80	-22 15.2	2.545	3.557	1.5	20.6
8 9	20 12.71	-36 19.6	1.903	2.855	8.6	19.7	8 9	20 14.20	-22 41.5	2.567	3.552	4.5	20.8
8 19	20 5.55	-36 22.4	1.969	2.866	11.3	19.9	8 19	20 7.43	-23 2.1	2.616	3.546	7.5	21.0
8 29	20 0.63	-36 8.3	2.056	2.876	13.9	20.1	8 29	20 2.09	-23 15.9	2.690	3.540	10.1	21.1
<b>426349</b>	2013 <i>KG</i> <sub>15</sub>		7 26.6 282°91	6.8/29.1	17		<b>129085</b>	2004 <i>VY</i> <sub>88</sub>		7 26.6 190°22	1.3/25.7	18	
6 20	20 51.09	-6 4.1	1.393	2.224	19.1	21.0	6 20	20 48.38	-22 40.9	2.803	3.643	10.3	20.9
6 30	20 47.05	-5 11.2	1.310	2.213	15.8	20.8	6 30	20 43.56	-23 1.7	2.720	3.642	7.8	20.7
7 10	20 40.21	-4 34.9	1.246	2.202	12.0	20.5	7 10	20 37.18	-23 24.8	2.661	3.640	5.0	20.6
7 20	20 31.14	-4 17.6	1.203	2.191	8.3	20.3	7 20	20 29.71	-23 47.7	2.630	3.639	2.2	20.4
7 30	20 20.92	-4 20.1	1.183	2.180	6.8	20.2	7 30	20 21.75	-24 7.5	2.627	3.637	1.9	20.3
8 9	20 10.91	-4 40.3	1.187	2.169	9.0	20.3	8 9	20 14.01	-24 22.1	2.653	3.635	4.6	20.5
8 19	20 2.45	-5 14.1	1.213	2.158	12.9	20.4	8 19	20 7.14	-24 30.3	2.707	3.633	7.5	20.7
8 29	19 56.64	-5 55.5	1.261	2.147	16.9	20.7	8 29	20 1.71	-24 31.5	2.785	3.630	10.0	20.9
<b>321191</b>	2008 <i>XG</i> <sub>18</sub>		7 26.6 300°14	2.1/27.7	18		<b>148448</b>	2000 <i>YB</i> <sub>1</sub>		7 26.6 141°18	2.6/28.4	18	
6 20	20 48.23	-12 48.3	1.740	2.584	15.4	20.9	6 20	20 49.10	-10 7.8	2.841	3.646	11.1	20.1
6 30	20 44.33	-12 50.3	1.655	2.574	12.1	20.7	6 30	20 43.90	-9 49.3	2.762	3.655	8.8	19.9
7 10	20 38.15	-13 4.2	1.590	2.565	8.2	20.4	7 10	20 37.30	-9 38.6	2.707	3.665	6.2	19.8
7 20	20 30.22	-13 28.5	1.549	2.555	4.2	20.2	7 20	20 29.73	-9 35.1	2.678	3.674	3.7	19.6
7 30	20 21.42	-14 0.4	1.534	2.546	2.4	20.0	7 30	20 21.76	-9 37.9	2.678	3.682	2.7	19.6
8 9	20 12.84	-14 35.9	1.545	2.537	6.1	20.2	8 9	20 14.03	-9 45.4	2.707	3.691	4.4	19.7
8 19	20 5.52	-15 11.2	1.580	2.528	10.2	20.5	8 19	20 7.14	-9 56.2	2.764	3.699	7.0	19.9
8 29	20 0.33	-15 43.0	1.639	2.519	14.0	20.7	8 29	20 1.60	-10 8.3	2.847	3.706	9.4	20.0
<b>397042</b>	2005 <i>UG</i> <sub>69</sub>		7 26.6 319°80	4.4/29.1	18		<b>434719</b>	2006 <i>DZ</i> <sub>61</sub>		7			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>491689</b>	2012 <i>UT</i> <sub>49</sub>		7 26.6 300°23	1.7°/27.5	18		<b>232426</b>	2003 <i>FR</i> <sub>1</sub>		7 26.6 48°04	0°1/26.6	18	
6 20	20 47.87	-13 25.7	1.671	2.519	15.7	21.7	6 20	20 50.63	-8 42.1	1.360	2.204	18.8	18.8
6 30	20 44.39	-13 36.9	1.569	2.492	12.4	21.4	6 30	20 46.58	-11 10.9	1.303	2.225	14.5	18.6
7 10	20 38.43	-14 1.4	1.488	2.465	8.4	21.1	7 10	20 39.79	-14 6.6	1.268	2.246	9.4	18.4
7 20	20 30.45	-14 37.4	1.430	2.437	4.1	20.8	7 20	20 30.95	-17 18.8	1.258	2.268	3.8	18.1
7 30	20 21.30	-15 21.6	1.397	2.410	2.1	20.6	7 30	20 21.19	-20 32.3	1.277	2.290	1.9	18.1
8 9	20 12.14	-16 9.3	1.391	2.383	6.5	20.8	8 9	20 11.89	-23 31.8	1.324	2.313	7.3	18.5
8 19	20 4.16	-16 55.7	1.408	2.356	11.2	21.0	8 19	20 4.29	-26 6.4	1.398	2.336	12.1	18.8
8 29	19 58.43	-17 36.8	1.448	2.330	15.4	21.2	8 29	19 59.37	-28 11.1	1.496	2.359	16.0	19.1
<b>80541</b>	2000 <i>AL</i> <sub>82</sub>		7 26.6 180°08	0°2/26.7	18		<b>507717</b>	2013 <i>UL</i> <sub>11</sub>		7 26.6 241°74	1°3/25.8	18	
6 20	20 52.88	-17 2.1	1.958	2.797	14.1	20.6	6 20	20 52.05	-20 16.7	1.955	2.802	13.8	22.7
6 30	20 47.59	-17 24.6	1.879	2.798	10.8	20.4	6 30	20 47.21	-20 55.5	1.862	2.788	10.6	22.4
7 10	20 40.10	-17 55.3	1.822	2.799	7.1	20.2	7 10	20 40.04	-21 41.6	1.792	2.773	6.9	22.2
7 20	20 30.97	-18 31.0	1.790	2.800	2.9	19.9	7 20	20 31.05	-22 31.0	1.747	2.757	2.9	21.9
7 30	20 21.11	-19 7.8	1.786	2.799	1.4	19.8	7 30	20 21.10	-23 18.4	1.730	2.741	2.3	21.8
8 9	20 11.54	-19 41.8	1.809	2.798	5.7	20.1	8 9	20 11.28	-23 59.3	1.740	2.725	6.3	22.1
8 19	20 3.24	-20 10.1	1.860	2.797	9.6	20.3	8 19	20 2.66	-24 30.4	1.776	2.708	10.3	22.3
8 29	19 57.01	-20 31.1	1.933	2.795	13.0	20.5	8 29	19 56.14	-24 50.5	1.836	2.690	13.9	22.5
<b>101403</b>	1998 <i>VS</i> <sub>2</sub>		7 26.6 288°72	2°7/25.1	18		<b>514742</b>	2007 <i>CA</i> <sub>52</sub>		7 26.6 204°95	3°6/23.9	18	
6 20	20 49.89	-24 3.8	1.867	2.726	13.8	20.0	6 20	20 52.12	-31 45.6	3.032	3.867	9.7	22.6
6 30	20 45.62	-24 42.5	1.784	2.716	10.6	19.8	6 30	20 46.41	-32 18.2	2.947	3.861	7.6	22.4
7 10	20 38.99	-25 25.5	1.724	2.706	7.0	19.6	7 10	20 39.05	-32 48.3	2.888	3.855	5.4	22.3
7 20	20 30.58	-26 7.7	1.687	2.695	3.5	19.3	7 20	20 30.50	-33 12.4	2.856	3.848	3.8	22.2
7 30	20 21.30	-26 44.0	1.678	2.685	3.4	19.3	7 30	20 21.43	-33 27.3	2.852	3.841	4.0	22.2
8 9	20 12.26	-27 10.1	1.695	2.675	7.0	19.5	8 9	20 12.58	-33 31.0	2.878	3.833	5.9	22.3
8 19	20 4.52	-27 23.9	1.736	2.665	10.7	19.7	8 19	20 4.66	-33 23.1	2.930	3.824	8.1	22.4
8 29	19 58.99	-27 25.1	1.800	2.655	14.1	19.9	8 29	19 58.27	-33 4.6	3.007	3.815	10.3	22.6
<b>245325</b>	2005 <i>EW</i> <sub>90</sub>		7 26.6 128°63	1°4/27.3	17		<b>340412</b>	2006 <i>FY</i> <sub>8</sub>		7 26.6 159°01	2°2/25.4	18	
6 20	20 53.06	-14 33.3	1.599	2.444	16.4	20.6	6 20	20 51.07	-22 57.5	1.895	2.750	13.8	21.2
6 30	20 48.04	-14 39.6	1.531	2.452	12.7	20.4	6 30	20 46.35	-23 34.7	1.822	2.752	10.6	21.0
7 10	20 40.51	-14 57.2	1.483	2.459	8.5	20.2	7 10	20 39.37	-24 16.3	1.771	2.753	6.9	20.8
7 20	20 31.16	-15 23.3	1.459	2.467	3.9	19.9	7 20	20 30.71	-24 57.6	1.745	2.754	3.2	20.5
7 30	20 21.04	-15 54.1	1.460	2.474	1.9	19.8	7 30	20 21.32	-25 33.6	1.746	2.755	2.9	20.5
8 9	20 11.37	-16 25.5	1.489	2.480	6.3	20.1	8 9	20 12.27	-26 0.5	1.774	2.756	6.5	20.7
8 19	20 3.27	-16 53.9	1.542	2.486	10.6	20.4	8 19	20 4.58	-26 16.2	1.828	2.757	10.2	21.0
8 29	19 57.60	-17 17.0	1.617	2.492	14.4	20.6	8 29	19 59.04	-26 20.5	1.904	2.758	13.5	21.2
<b>382927</b>	2004 <i>TG</i> <sub>13</sub>		7 26.6 221°65	10°0/30.7	18		<b>521191</b>	2015 <i>FM</i> <sub>412</sub>		7 26.6 78°60	0°4/26.9	17	
6 20	20 52.22	+ 4 24.7	1.945	2.699	17.1	20.5	6 20	20 48.62	-13 59.8	1.805	2.649	14.9	21.3
6 30	20 47.09	+ 5 56.0	1.863	2.696	15.0	20.3	6 30	20 44.43	-14 56.0	1.738	2.661	11.4	21.1
7 10	20 39.80	+ 7 10.0	1.800	2.692	12.7	20.2	7 10	20 38.10	-16 5.2	1.694	2.672	7.5	20.9
7 20	20 30.88	+ 8 2.3	1.759	2.688	10.8	20.1	7 20	20 30.19	-17 23.0	1.674	2.683	3.1	20.7
7 30	20 21.16	+ 8 29.9	1.742	2.684	10.0	20.0	7 30	20 21.60	-18 43.4	1.681	2.695	1.4	20.6
8 9	20 11.62	+ 8 32.7	1.749	2.680	10.6	20.0	8 9	20 13.35	-20 0.2	1.716	2.706	5.7	20.9
8 19	20 3.23	+ 8 13.3	1.780	2.676	12.4	20.1	8 19	20 6.40	-21 8.6	1.776	2.718	9.7	21.2
8 29	19 56.81	+ 7 36.7	1.833	2.671	14.6	20.3	8 29	20 1.50	-22 5.5	1.861	2.729	13.1	21.4
<b>350030</b>	2010 <i>JV</i> <sub>150</sub>		7 26.6 135°21	4°0/23.8	18		<b>350249</b>	2012 <i>TO</i> <sub>89</sub>		7 26.6 350°42	8°3/31.1	16	
6 20	20 51.69	-27 57.9	2.175	3.026	12.4	21.1	6 20	20 47.36	+ 1 0.3	1.713	2.505	17.7	20.5
6 30	20 46.61	-29 4.9	2.110	3.035	9.5	21.0	6 30	20 43.59	+ 1 48.5	1.635	2.503	15.1	20.3
7 10	20 39.42	-30 12.8	2.068	3.043	6.5	20.8	7 10	20 37.64	+ 2 16.5	1.576	2.501	12.2	20.1
7 20	20 30.69	-31 15.7	2.052	3.051	4.3	20.7	7 20	20 30.04	+ 2 21.7	1.539	2.500	9.6	20.0
7 30	20 21.29	-32 8.1	2.065	3.059	4.6	20.7	7 30	20 21.66	+ 2 3.2	1.524	2.499	8.3	19.9
8 9	20 12.23	-32 46.1	2.104	3.067	7.2	20.9	8 9	20 13.54	+ 1 23.6	1.534	2.498	9.2	19.9
8 19	20 4.41	-33 8.4	2.169	3.074	10.1	21.1	8 19	20 6.65	+ 0 27.6	1.568	2.498	11.6	20.1
8 29	19 58.61	-33 15.6	2.257	3.080	12.7	21.3	8 29	20 1.82	- 0 38.4	1.623	2.498	14.4	20.3
<b>154823</b>	2004 <i>QX</i> <sub>25</sub>		7 26.6 320°78	12°1/ 6.3	18		<b>482154</b>	2010 <i>TN</i> <sub>36</sub>		7 26.6 283°60	5°5/22.9	18	
6 20	20 43.85	+17 35.4	2.202	2.871	17.5	19.2	6 20	20 51.54	-33 39.3	2.254	3.104	12.1	21.5
6 30	20 40.61	+18 18.9	2.114	2.861	16.1	19.1	6 30	20 46.77	-34 34.1	2.164	3.083	9.6	21.3
7 10	20 35.57	+18 36.8	2.040	2.851	14.6	18.9	7 10	20 39.73	-35 26.6	2.098	3.063	7.2	21.1
7 20	20 29.16	+18 25.3	1.985	2.841	13.2	18.8	7 20	20 30.92	-36 10.9	2.057	3.043	5.6	20.9
7 30	20 22.07	+17 42.0	1.950	2.832	12.3	18.7	7 30	20 21.22	-36 41.6	2.042	3.022	6.1	20.9
8 9	20 15.10	+16 28.0	1.936	2.823	12.1	18.7	8 9	20 11.68	-36 55.0	2.054	3.001	8.3	21.0
8 19	20 9.06	+14 47.8	1.945	2.814	12.7	18.7	8 19	20 3.34	-36 50.4	2.091	2.981	11.1	21.2
8 29	20 4.64	+12 48.1	1.976	2.805	14.1	18.8	8 29	19 57.09	-36 29.2	2.150	2.960	13.7	21.3
<b>173641</b>	2001 <i>FE</i> <sub>142</sub>		7 26.6 160°50	0°9/27.1	17		<b>434645</b>	2005 <i>XZ</i> <sub>40</sub>		7 26.6 348°54	2°6/25.2	17	
6 20	20 53.33	-15 20.9	1.850	2.687	14.8	21.7	6 20	20 49.68	-22 0.7	1.599	2.465	15.4	21.1
6 30	20 47.99	-15 35.3	1.775	2.693	11.5	21.5	6 30	20 45.75	-22 57.0	1.528	2.464	11.8	20.9
7 10	20 40.38	-15 59.3	1.722	2.698	7.6	21.3	7 10	20 39.23	-24 1.0	1.478	2.463	7.7	20.7
7 20	20 31.11	-16 30.0	1.694	2.702	3.3	21.0	7 20	20 30.74	-25 6.4	1.452	2.462	3.6	20.4
7 30	20 21.11	-17 3.8	1.693	2.707	1.6	20.9	7 30	20 21.34	-26 6.3	1.452	2.461	3.5	20.4
8 9	20 11.48	-17 36.6	1.720	2.710	5.8	21.2	8 9	20 12.28	-26 54.9	1.478	2.460	7.5	20.6
8 19	20 3.21	-18 5.6	1.773	2.713	9.8	21.4	8 19	20 4.74	-27 28.8	1.527	2.460	11.7	20.9
8 29	19 57.10	-18 28.6	1.849	2.715	13.3	21.7	8 29	19 59.67	-27 47.3	1.599	2.460	15.3	21.1
<b>72564</b>	2001 <i>EM</i> <sub>8</sub>		7 26.6 243°42	1°7/25.7	18		<b>63334</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>395050</b>	2009 <i>DK</i> <sub>139</sub>		7 26.6	80°11	0°7/27.1	18	<b>185145</b>	2006 <i>SD</i> <sub>155</sub>		7 26.7	9°25	2°5/25.6	17
6 20	20 48.71	-15 56.2	2.029	2.871	13.5	21.6	6 20	20 44.14	-20 45.5	0.958	1.860	20.2	19.0
6 30	20 44.32	-16 8.3	1.951	2.872	10.5	21.4	6 30	20 42.63	-21 30.2	0.907	1.862	15.4	18.7
7 10	20 37.95	-16 28.6	1.895	2.873	6.9	21.2	7 10	20 37.73	-22 26.3	0.873	1.865	10.0	18.4
7 20	20 30.13	-16 54.8	1.864	2.873	3.0	20.9	7 20	20 30.25	-23 26.5	0.858	1.870	4.3	18.1
7 30	20 21.67	-17 23.8	1.861	2.874	1.4	20.8	7 30	20 21.67	-24 21.3	0.865	1.877	3.7	18.1
8 9	20 13.50	-17 52.1	1.884	2.875	5.3	21.1	8 9	20 13.79	-25 3.0	0.892	1.885	9.2	18.4
8 19	20 6.47	-18 17.1	1.934	2.876	9.0	21.3	8 19	20 8.15	-25 27.5	0.940	1.895	14.5	18.8
8 29	20 1.32	-18 36.9	2.008	2.877	12.3	21.5	8 29	20 5.81	-25 34.0	1.006	1.906	19.0	19.1
<b>168048</b>	2006 <i>BG</i> <sub>34</sub>		7 26.6	1°48	1°1/26.3	17	<b>180389</b>	2004 <i>AD</i> <sub>2</sub>		7 26.7	156°02	0°6/26.3	17
6 20	20 41.69	-20 51.7	0.798	1.714	21.7	18.7	6 20	20 53.53	-18 48.6	1.857	2.702	14.5	21.4
6 30	20 41.22	-20 49.2	0.748	1.710	16.7	18.4	6 30	20 48.19	-19 18.0	1.785	2.708	11.1	21.2
7 10	20 37.04	-20 55.8	0.712	1.707	10.9	18.1	7 10	20 40.55	-19 54.8	1.735	2.714	7.2	21.0
7 20	20 30.00	-21 6.9	0.694	1.707	4.4	17.8	7 20	20 31.23	-20 35.0	1.710	2.720	2.9	20.7
7 30	20 21.74	-21 16.5	0.696	1.710	2.8	17.7	7 30	20 21.17	-21 13.9	1.712	2.725	1.8	20.7
8 9	20 14.26	-21 19.2	0.716	1.714	9.2	18.1	8 9	20 11.50	-21 47.5	1.742	2.729	6.0	21.0
8 19	20 9.24	-21 12.4	0.755	1.721	15.1	18.4	8 19	20 3.21	-22 13.1	1.797	2.733	10.0	21.2
8 29	20 7.81	-20 55.3	0.810	1.730	20.2	18.7	8 29	19 57.13	-22 29.6	1.877	2.736	13.4	21.4
<b>257517</b>	1997 <i>EZ</i> <sub>42</sub>		7 26.6	185°75	0°6/26.4	17	<b>3797</b>	Ching-Sung Yu		7 26.7	228°59	0°3/26.9	18
6 20	20 55.44	-19 59.8	1.964	2.804	14.0	21.6	6 20	20 47.15	-16 55.3	2.747	3.578	10.7	18.5
6 30	20 49.56	-20 9.9	1.883	2.804	10.8	21.4	6 30	20 42.70	-17 11.6	2.655	3.571	8.2	18.4
7 10	20 41.40	-20 25.0	1.825	2.804	7.0	21.2	7 10	20 36.72	-17 33.7	2.587	3.563	5.4	18.2
7 20	20 31.55	-20 41.9	1.793	2.803	2.8	20.9	7 20	20 29.62	-17 59.5	2.545	3.555	2.2	17.9
7 30	20 20.96	-20 57.0	1.788	2.801	1.7	20.8	7 30	20 21.99	-18 26.8	2.533	3.546	1.1	17.8
8 9	20 10.70	-21 7.4	1.811	2.798	5.9	21.1	8 9	20 14.51	-18 53.0	2.549	3.538	4.3	18.1
8 19	20 1.80	-21 11.5	1.861	2.795	9.8	21.3	8 19	20 7.83	-19 16.0	2.593	3.529	7.3	18.2
8 29	19 55.08	-21 8.9	1.934	2.791	13.2	21.5	8 29	20 2.52	-19 34.5	2.662	3.520	10.0	18.4
<b>423045</b>	2003 <i>UA</i> <sub>177</sub>		7 26.6	289°39	0°9/27.0	18	<b>412990</b>	1998 <i>HM</i> <sub>31</sub>		7 26.7	109°91	3°4/24.8	17
6 20	20 51.03	-16 23.6	1.427	2.287	17.2	21.7	6 20	20 54.76	-24 1.8	1.601	2.460	15.7	21.1
6 30	20 47.21	-16 26.9	1.337	2.267	13.5	21.4	6 30	20 49.49	-25 4.6	1.543	2.475	12.0	20.9
7 10	20 40.48	-16 41.1	1.266	2.247	9.0	21.1	7 10	20 41.54	-26 11.9	1.508	2.489	7.8	20.7
7 20	20 31.38	-17 3.8	1.218	2.227	3.9	20.7	7 20	20 31.66	-27 16.7	1.497	2.503	4.1	20.5
7 30	20 20.98	-17 31.1	1.194	2.208	1.9	20.5	7 30	20 20.99	-28 11.7	1.512	2.517	4.2	20.6
8 9	20 10.71	-17 58.1	1.195	2.188	7.2	20.8	8 9	20 10.89	-28 51.9	1.553	2.530	7.8	20.8
8 19	20 1.97	-18 21.1	1.219	2.168	12.4	21.1	8 19	20 2.53	-29 15.5	1.619	2.543	11.7	21.1
8 29	19 55.95	-18 37.5	1.264	2.148	17.0	21.3	8 29	19 56.79	-29 23.1	1.707	2.556	15.1	21.3
<b>91665</b>	1999 <i>TC</i> <sub>109</sub>		7 26.7	257°93	5°6/30.1	18	<b>416474</b>	2003 <i>WN</i> <sub>92</sub>		7 26.7	242°79	2°1/27.5	17
6 20	20 47.30	-1 52.7	2.479	3.258	13.2	19.8	6 20	20 53.42	-14 2.0	1.702	2.541	15.9	21.5
6 30	20 42.95	-1 18.1	2.382	3.246	11.0	19.6	6 30	20 48.46	-13 49.9	1.613	2.530	12.5	21.3
7 10	20 36.95	-0 56.3	2.306	3.234	8.7	19.5	7 10	20 40.96	-13 47.6	1.545	2.518	8.5	21.0
7 20	20 29.72	-0 48.7	2.254	3.222	6.6	19.3	7 20	20 31.50	-13 53.8	1.500	2.506	4.2	20.8
7 30	20 21.88	-0 55.2	2.229	3.210	5.6	19.2	7 30	20 21.05	-14 6.2	1.482	2.493	2.4	20.6
8 9	20 14.15	-1 14.7	2.230	3.197	6.6	19.3	8 9	20 10.80	-14 21.8	1.490	2.480	6.4	20.8
8 19	20 7.23	-1 44.5	2.258	3.184	8.7	19.4	8 19	20 1.93	-14 37.8	1.523	2.467	10.8	21.1
8 29	20 1.76	-2 21.4	2.311	3.171	11.2	19.5	8 29	19 55.39	-14 51.7	1.579	2.453	14.8	21.3
<b>25785</b>	2000 <i>CY</i> <sub>45</sub>		7 26.7	337°67	5°5/29.1	18	<b>13111</b>	Papacosmas		7 26.7	327°03	2°2/28.4	18
6 20	20 41.61	-7 55.3	1.280	2.140	18.8	16.6	6 20	20 47.25	-0 28.9	0.969	1.816	24.4	16.7
6 30	20 40.06	-7 27.3	1.194	2.117	15.4	16.4	6 30	20 45.37	-3 6.2	0.889	1.807	19.8	16.3
7 10	20 35.85	-7 17.7	1.125	2.095	11.4	16.1	7 10	20 39.97	-6 45.1	0.826	1.799	13.9	16.0
7 20	20 29.49	-7 28.1	1.077	2.075	7.4	15.8	7 20	20 31.44	-11 20.8	0.785	1.791	6.9	15.6
7 30	20 21.96	-7 57.8	1.051	2.056	5.5	15.6	7 30	20 20.97	-16 32.9	0.769	1.783	2.5	15.3
8 9	20 14.56	-8 43.0	1.046	2.039	8.2	15.7	8 9	20 10.41	-21 47.7	0.782	1.777	9.4	15.6
8 19	20 8.61	-9 37.8	1.064	2.023	12.7	15.9	8 19	20 1.74	-26 32.6	0.819	1.771	16.4	16.0
8 29	20 5.24	-10 35.3	1.101	2.009	17.1	16.1	8 29	19 56.70	-30 27.6	0.878	1.766	22.3	16.3
<b>315867</b>	2008 <i>HN</i> <sub>66</sub>		7 26.7	58°37	3°8/23.3	18	<b>256701</b>	2008 <i>AA</i> <sub>4</sub>		7 26.7	225°78	0°2/26.6	17
6 20	20 49.73	-23 54.2	2.036	2.891	13.0	19.7	6 20	20 54.59	-19 4.2	1.701	2.549	15.4	21.5
6 30	20 45.26	-25 51.0	1.979	2.908	9.9	19.5	6 30	20 49.36	-19 10.7	1.617	2.542	11.9	21.3
7 10	20 38.65	-27 53.1	1.946	2.925	6.5	19.4	7 10	20 41.54	-19 23.8	1.554	2.534	7.8	21.0
7 20	20 30.46	-29 52.6	1.941	2.943	4.0	19.3	7 20	20 31.73	-19 40.4	1.516	2.526	3.2	20.7
7 30	20 21.53	-31 41.4	1.965	2.961	4.6	19.3	7 30	20 20.97	-19 56.7	1.504	2.517	1.7	20.6
8 9	20 12.89	-33 13.3	2.017	2.979	7.5	19.5	8 9	20 10.51	-20 9.0	1.519	2.508	6.5	20.9
8 19	20 5.47	-34 25.0	2.095	2.997	10.5	19.8	8 19	20 1.52	-20 15.4	1.559	2.499	10.9	21.1
8 29	20 0.08	-35 16.2	2.196	3.015	13.2	20.0	8 29	19 54.97	-20 14.9	1.622	2.489	14.8	21.4
<b>350931</b>	2002 <i>TW</i> <sub>218</sub>		7 26.7	285°36	0°2/26.7	18	<b>60804</b>	2000 <i>HD</i> <sub>23</sub>		7 26.7	54°61	4°2/24.8	18
6 20	20 51.05	-18 37.3	1.980	2.825	13.7	20.7	6 20	20 53.02	-24 25.5	1.217	2.097	18.4	19.7
6 30	20 46.43	-18 36.7	1.878	2.801	10.6	20.5	6 30	20 48.97	-25 27.5	1.161	2.103	14.1	19.4
7 10	20 39.54	-18 41.7	1.798	2.778	7.0	20.2	7 10	20 41.63	-26 35.5	1.124	2.110	9.3	19.2
7 20	20 30.89	-18 50.3	1.744	2.754	2.9	19.9	7 20	20 31.82	-27 40.9	1.110	2.117	5.0	19.0
7 30	20 21.29	-18 59.4	1.716	2.730	1.5	19.7	7 30	20 20.96	-28 34.6	1.118	2.124	5.1	19.0
8 9	20 11.79	-19 6.4	1.716	2.706	5.8	20.0	8 9	20 10.76	-29 10.1	1.151	2.132	9.4	19.3
8 19	20 3.42	-19 9.3	1.741	2.682	9.9	20.2	8 19	20 2.72	-29 25.5	1.206	2.139	14.0	19.6
8 29	19 57.07	-19 7.2	1.790	2.657	13.6	20.4	8 29	19 57.89	-29 22.0	1.279	2.147	17.9	19.8
<b>129643</b>	1998 <i>KH</i> <sub>6</sub>		7 26.7	111°03	18°4/5.1	17	<b>183841</b>	2004 <i>BR</i> <sub>110</sub>		7 26.7	172°12		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>472592</b>	2015 <i>DZ</i> <sub>133</sub>		7 26.7 154°63		3°0/24.6 17		<b>86060</b>	1999 <i>RO</i> <sub>18</sub>		7 26.7 342°23		1°0/26.3 18	
6 20	20 51.32	-22 22.9	1.852	2.707	14.1	20.7	6 20	20 48.62	-21 44.0	1.702	2.565	14.7	18.5
6 30	20 46.72	-23 44.9	1.781	2.711	10.7	20.5	6 30	20 44.78	-21 42.9	1.622	2.555	11.3	18.3
7 10	20 39.75	-25 14.2	1.733	2.714	7.0	20.3	7 10	20 38.54	-21 45.6	1.562	2.546	7.4	18.0
7 20	20 30.99	-26 44.2	1.710	2.717	3.6	20.1	7 20	20 30.52	-21 49.1	1.527	2.538	3.0	17.8
7 30	20 21.36	-28 7.3	1.715	2.720	3.8	20.1	7 30	20 21.67	-21 50.0	1.517	2.530	2.0	17.7
8 9	20 11.99	-29 17.3	1.748	2.723	7.3	20.3	8 9	20 13.17	-21 45.8	1.533	2.523	6.4	17.9
8 19	20 3.97	-30 10.7	1.806	2.725	10.9	20.5	8 19	20 6.07	-21 35.2	1.574	2.517	10.6	18.2
8 29	19 58.18	-30 46.6	1.887	2.728	14.2	20.8	8 29	20 1.24	-21 18.0	1.637	2.512	14.3	18.4
<b>447232</b>	2005 <i>UP</i> <sub>118</sub>		7 26.7 320°94		4°3/29.2 15		<b>502562</b>	2015 <i>BR</i> <sub>485</sub>		7 26.7 192°89		0°1/26.7 17	
6 20	20 46.46	-6 54.1	2.037	2.854	14.4	21.7	6 20	20 53.18	-17 26.7	1.846	2.688	14.7	22.4
6 30	20 42.64	-6 35.2	1.950	2.847	11.7	21.5	6 30	20 48.03	-17 44.5	1.765	2.687	11.3	22.2
7 10	20 36.93	-6 29.7	1.884	2.840	8.6	21.3	7 10	20 40.55	-18 10.6	1.707	2.685	7.4	21.9
7 20	20 29.79	-6 37.5	1.842	2.833	5.7	21.1	7 20	20 31.32	-18 41.7	1.673	2.683	3.0	21.7
7 30	20 21.97	-6 57.8	1.825	2.826	4.3	21.0	7 30	20 21.28	-19 13.7	1.667	2.680	1.5	21.5
8 9	20 14.34	-7 27.9	1.835	2.819	6.1	21.1	8 9	20 11.54	-19 42.9	1.687	2.677	5.9	21.8
8 19	20 7.74	-8 4.4	1.871	2.813	9.2	21.3	8 19	20 3.13	-20 6.3	1.734	2.673	10.1	22.1
8 29	20 2.89	-8 43.6	1.930	2.807	12.3	21.5	8 29	19 56.92	-20 22.5	1.804	2.669	13.7	22.3
<b>261869</b>	2006 <i>FG</i> <sub>38</sub>		7 26.7 152°45		1°9/25.7 17		<b>178357</b>	1996 <i>RW</i> <sub>20</sub>		7 26.7 241°08		1°9/25.8 17	
6 20	20 55.16	-21 21.5	1.557	2.414	16.2	21.2	6 20	20 55.02	-22 29.8	1.697	2.551	15.2	21.8
6 30	20 49.92	-22 0.7	1.490	2.420	12.4	20.9	6 30	20 49.85	-22 53.2	1.610	2.539	11.8	21.6
7 10	20 41.92	-22 46.7	1.443	2.425	8.0	20.7	7 10	20 41.97	-23 21.7	1.545	2.526	7.7	21.3
7 20	20 31.88	-23 33.9	1.420	2.430	3.5	20.4	7 20	20 31.99	-23 50.5	1.504	2.513	3.4	21.0
7 30	20 20.94	-24 16.2	1.424	2.435	2.9	20.4	7 30	20 20.93	-24 14.5	1.489	2.500	2.8	20.9
8 9	20 10.48	-24 48.4	1.454	2.439	7.3	20.7	8 9	20 10.12	-24 29.5	1.501	2.486	7.1	21.2
8 19	20 1.73	-25 8.2	1.508	2.442	11.6	20.9	8 19	20 0.81	-24 33.6	1.538	2.472	11.5	21.4
8 29	19 55.65	-25 15.4	1.584	2.445	15.4	21.2	8 29	19 54.03	-24 26.9	1.597	2.457	15.4	21.6
<b>208925</b>	2002 <i>UF</i> <sub>32</sub>		7 26.7 322°94		1°7/25.8 18		<b>204114</b>	2003 <i>WW</i> <sub>154</sub>		7 26.7 277°76		0°8/27.2 18	
6 20	20 46.82	-21 9.3	1.537	2.408	15.6	19.6	6 20	20 48.24	-14 43.6	1.908	2.751	14.2	20.6
6 30	20 43.85	-21 39.1	1.447	2.386	12.1	19.3	6 30	20 44.29	-15 9.6	1.818	2.739	11.1	20.4
7 10	20 38.23	-22 17.0	1.378	2.364	7.9	19.0	7 10	20 38.17	-15 46.8	1.749	2.727	7.4	20.1
7 20	20 30.49	-22 58.4	1.332	2.342	3.4	18.7	7 20	20 30.38	-16 32.6	1.705	2.714	3.2	19.8
7 30	20 21.60	-23 37.9	1.310	2.322	2.8	18.6	7 30	20 21.74	-17 23.0	1.688	2.702	1.5	19.7
8 9	20 12.86	-24 9.8	1.313	2.302	7.4	18.8	8 9	20 13.24	-18 13.3	1.698	2.689	5.7	20.0
8 19	20 5.53	-24 30.9	1.340	2.283	12.1	19.1	8 19	20 5.87	-18 59.5	1.733	2.677	9.8	20.2
8 29	20 0.69	-24 39.5	1.387	2.265	16.2	19.3	8 29	20 0.47	-19 38.6	1.792	2.664	13.4	20.4
<b>502175</b>	2015 <i>BE</i> <sub>61</sub>		7 26.7 46°25		3°1/25.4 18		<b>260117</b>	2004 <i>PZ</i> <sub>27</sub>		7 26.7 25°45		4°2/28.3 18	
6 20	20 54.33	-25 26.7	1.503	2.369	16.2	20.7	6 20	20 50.14	-11 12.3	1.592	2.433	16.7	19.3
6 30	20 49.41	-25 50.7	1.436	2.371	12.5	20.5	6 30	20 45.68	-10 17.7	1.532	2.445	13.2	19.1
7 10	20 41.64	-26 16.6	1.390	2.373	8.2	20.3	7 10	20 38.94	-9 34.1	1.492	2.459	9.4	18.9
7 20	20 31.78	-26 39.0	1.367	2.375	4.2	20.0	7 20	20 30.61	-9 2.3	1.476	2.474	5.7	18.8
7 30	20 21.03	-26 52.3	1.370	2.377	3.9	20.0	7 30	20 21.70	-8 42.3	1.484	2.489	4.3	18.7
8 9	20 10.84	-26 53.1	1.397	2.380	7.9	20.3	8 9	20 13.34	-8 32.3	1.518	2.505	6.8	18.9
8 19	20 2.48	-26 40.7	1.449	2.382	12.1	20.5	8 19	20 6.49	-8 30.1	1.577	2.522	10.4	19.2
8 29	19 56.89	-26 16.7	1.522	2.385	15.8	20.8	8 29	20 1.88	-8 32.9	1.658	2.540	13.7	19.4
<b>103927</b>	2000 <i>DA</i> <sub>64</sub>		7 26.7 278°18		6°3/30.9 18		<b>121225</b>	1999 <i>RX</i> <sub>27</sub>		7 26.7 348°61		11°3/2.8 18	
6 20	20 46.49	-0 8.7	2.015	2.802	15.5	19.7	6 20	20 41.76	+7 29.8	1.612	2.385	19.4	18.5
6 30	20 42.80	-0 3.0	1.917	2.786	13.1	19.5	6 30	20 39.56	+8 27.1	1.533	2.375	17.2	18.3
7 10	20 37.14	-0 16.8	1.838	2.770	10.3	19.3	7 10	20 35.21	+8 58.8	1.470	2.365	14.8	18.1
7 20	20 29.94	-0 51.2	1.782	2.754	7.7	19.1	7 20	20 29.20	+9 0.3	1.425	2.357	12.7	18.0
7 30	20 21.91	-1 45.4	1.751	2.737	6.3	19.0	7 30	20 22.35	+8 29.5	1.401	2.350	11.4	17.9
8 9	20 13.96	-2 55.9	1.746	2.721	7.3	19.0	8 9	20 15.68	+7 28.3	1.399	2.344	11.6	17.9
8 19	20 6.96	-4 17.6	1.767	2.704	10.0	19.1	8 19	20 10.20	+6 2.6	1.418	2.339	13.2	18.0
8 29	20 1.72	-5 44.2	1.812	2.688	13.1	19.3	8 29	20 6.75	+4 20.6	1.458	2.336	15.6	18.1
<b>354118</b>	2002 <i>AV</i> <sub>114</sub>		7 26.7 125°56		0°3/26.4 16		<b>442895</b>	2013 <i>BR</i> <sub>73</sub>		7 26.7 243°90		2°0/25.7 18	
6 20	20 48.58	-16 0.2	2.735	3.562	10.9	21.6	6 20	20 53.86	-25 9.5	2.247	3.090	12.4	21.2
6 30	20 43.74	-17 3.0	2.663	3.577	8.3	21.5	6 30	20 48.23	-25 13.3	2.158	3.081	9.5	21.0
7 10	20 37.37	-18 13.5	2.615	3.591	5.3	21.3	7 10	20 40.51	-25 17.5	2.092	3.071	6.2	20.8
7 20	20 29.91	-19 28.1	2.596	3.605	2.1	21.1	7 20	20 31.28	-25 18.8	2.053	3.061	3.0	20.6
7 30	20 21.97	-20 42.7	2.606	3.619	1.2	21.0	7 30	20 21.35	-25 14.1	2.041	3.050	2.6	20.5
8 9	20 14.24	-21 53.1	2.646	3.632	4.4	21.3	8 9	20 11.71	-25 1.7	2.058	3.040	5.8	20.7
8 19	20 7.35	-22 56.3	2.715	3.645	7.3	21.5	8 19	20 3.27	-24 41.2	2.102	3.029	9.2	20.9
8 29	20 1.87	-23 50.1	2.811	3.657	9.8	21.7	8 29	19 56.78	-24 13.3	2.170	3.018	12.3	21.1
<b>435153</b>	2007 <i>JH</i> <sub>40</sub>		7 26.7 88°57		6°9/30.5 17		<b>240562</b>	2004 <i>SK</i> <sub>1</sub>		7 26.7 256°48		1°4/27.3 18	
6 20	20 49.38	-1 31.6	1.775	2.572	16.9	21.4	6 20	20 52.34	-15 39.4	1.907	2.745	14.4	21.0
6 30	20 45.02	-0 53.8	1.702	2.578	14.1	21.2	6 30	20 47.40	-15 28.0	1.814	2.732	11.3	20.8
7 10	20 38.51	-0 34.4	1.649	2.585	11.1	21.0	7 10	20 40.18	-15 24.1	1.743	2.718	7.6	20.5
7 20	20 30.45	-0 34.9	1.619	2.591	8.3	20.9	7 20	20 31.21	-15 26.2	1.697	2.704	3.5	20.2
7 30	20 21.70	-0 55.2	1.612	2.597	6.9	20.8	7 30	20 21.36	-15 32.0	1.677	2.690	1.8	20.1
8 9	20 13.28	-1 32.3	1.631	2.603	8.1	20.9	8 9	20 11.71	-15 39.2	1.685	2.676	5.8	20.3
8 19	20 6.11	-2 21.8	1.675	2.609	10.7	21.1	8 19	20 3.27	-15 45.6	1.719	2.661	9.9	20.5
8 29	20 0.98	-3 17.9	1.741	2.615	13.6	21.3	8 29	19 56.92	-15 49.6	1.776	2.647	13.6	20.7
<b>396286</b>	2014 <i>DX</i> <sub>7</sub>		7 26.7 119°58		2°8/25.2 17		<b>323692</b>	2005 <i>GU</i> <sub>84</sub>		7 26.7			

EPHEMERIDES

7 26.7

7 26.7

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>318507</b>	2005 <i>EL</i> <sub>156</sub>		7 26.7 110°04	4.8/24.2	17		<b>375800</b>	2009 <i>TM</i> <sub>12</sub>		7 26.7 353°20	6.4/29.2	17	
6 20	20 56.41	-27 44.7	1.574	2.435	15.9	20.9	6 20	20 40.58	-8 17.5	0.978	1.859	21.6	19.9
6 30	20 50.90	-28 50.9	1.519	2.449	12.2	20.7	6 30	20 39.79	-7 33.1	0.913	1.849	17.6	19.7
7 10	20 42.55	-29 58.1	1.486	2.464	8.3	20.5	7 10	20 35.94	-7 9.9	0.865	1.840	13.1	19.4
7 20	20 32.16	-30 58.4	1.477	2.478	5.2	20.3	7 20	20 29.67	-7 10.3	0.834	1.834	8.5	19.1
7 30	20 20.96	-31 44.3	1.494	2.492	5.6	20.4	7 30	20 22.22	-7 33.7	0.824	1.829	6.4	19.0
8 9	20 10.39	-32 11.4	1.536	2.505	8.8	20.6	8 9	20 15.18	-8 15.2	0.833	1.827	9.2	19.1
8 19	20 1.70	-32 19.1	1.603	2.517	12.4	20.9	8 19	20 10.02	-9 7.6	0.862	1.827	13.9	19.4
8 29	19 55.79	-32 9.5	1.690	2.530	15.6	21.1	8 29	20 7.90	-10 2.8	0.908	1.829	18.5	19.7
<b>338596</b>	2003 <i>SB</i> <sub>157</sub>		7 26.7 279°65	8.7/1.3	18		<b>96840</b>	1999 <i>RQ</i> <sub>203</sub>		7 26.7 199°09	3.1/28.2	18	
6 20	20 46.79	+5 23.4	2.001	2.758	16.6	20.8	6 20	20 52.26	-10 59.4	2.117	2.935	13.9	19.7
6 30	20 43.12	+5 48.2	1.899	2.737	14.5	20.6	6 30	20 46.98	-10 31.9	2.031	2.933	11.0	19.5
7 10	20 37.42	+5 51.2	1.814	2.716	12.1	20.4	7 10	20 39.71	-10 13.7	1.968	2.930	7.8	19.3
7 20	20 30.11	+5 29.6	1.751	2.695	10.0	20.2	7 20	20 30.99	-10 4.3	1.929	2.927	4.6	19.1
7 30	20 21.90	+4 42.2	1.711	2.673	8.7	20.1	7 30	20 21.60	-10 2.9	1.918	2.924	3.2	19.0
8 9	20 13.70	+3 31.4	1.697	2.651	9.2	20.1	8 9	20 12.47	-10 7.8	1.935	2.921	5.7	19.1
8 19	20 6.43	+2 2.1	1.707	2.629	11.3	20.2	8 19	20 4.46	-10 16.7	1.978	2.917	9.0	19.3
8 29	20 0.94	+0 21.4	1.740	2.607	13.9	20.3	8 29	19 58.28	-10 27.6	2.046	2.912	12.2	19.5
<b>442830</b>	2013 <i>AE</i> <sub>82</sub>		7 26.7 63°30	0.4/26.9	16		<b>216562</b>	2001 <i>XF</i> <sub>2</sub>		7 26.7 331°79	6.4/27.1	18	
6 20	20 51.88	-18 29.2	1.998	2.841	13.7	21.2	6 20	21 1.73	-15 1.8	1.009	1.873	22.4	18.9
6 30	20 46.61	-18 19.0	1.936	2.857	10.5	21.0	6 30	20 56.16	-12 53.6	0.939	1.867	18.0	18.6
7 10	20 39.36	-18 13.9	1.895	2.874	6.8	20.8	7 10	20 46.65	-10 46.7	0.887	1.862	12.9	18.2
7 20	20 30.76	-18 11.7	1.881	2.890	2.8	20.6	7 20	20 34.07	-8 46.3	0.856	1.857	8.0	18.0
7 30	20 21.68	-18 10.4	1.893	2.907	1.3	20.5	7 30	20 20.08	-6 58.7	0.848	1.852	6.7	17.9
8 9	20 13.10	-18 7.9	1.933	2.924	5.2	20.8	8 9	20 6.79	-5 29.5	0.863	1.848	10.8	18.1
8 19	20 5.84	-18 3.0	2.000	2.941	8.8	21.0	8 19	19 56.04	-4 21.4	0.899	1.845	16.0	18.4
8 29	20 0.54	-17 55.1	2.091	2.957	12.0	21.3	8 29	19 49.14	-3 33.1	0.953	1.842	20.8	18.6
<b>213903</b>	2003 <i>UK</i> <sub>49</sub>		7 26.7 191°49	0.9/26.2	18		<b>446177</b>	2013 <i>FN</i> <sub>2</sub>		7 26.7 89°72	0.7/26.1	18	
6 20	20 53.01	-21 28.8	2.178	3.020	12.8	20.4	6 20	20 47.23	-18 26.6	2.303	3.147	12.1	21.0
6 30	20 47.55	-21 35.0	2.097	3.019	9.8	20.2	6 30	20 43.07	-19 12.6	2.228	3.152	9.2	20.8
7 10	20 40.06	-21 44.4	2.038	3.018	6.3	20.0	7 10	20 37.14	-20 5.7	2.177	3.157	5.9	20.7
7 20	20 31.10	-21 54.1	2.006	3.016	2.6	19.8	7 20	20 29.93	-21 2.2	2.152	3.162	2.4	20.4
7 30	20 21.50	-22 1.2	2.001	3.014	1.7	19.7	7 30	20 22.14	-21 58.0	2.155	3.167	1.6	20.4
8 9	20 12.22	-22 3.3	2.025	3.012	5.4	20.0	8 9	20 14.59	-22 49.0	2.186	3.172	5.1	20.6
8 19	20 4.13	-21 59.5	2.076	3.009	9.0	20.2	8 19	20 8.03	-23 32.2	2.244	3.177	8.4	20.8
8 29	19 57.96	-21 49.4	2.150	3.006	12.1	20.4	8 29	20 3.12	-24 6.0	2.326	3.182	11.3	21.0
<b>250088</b>	2002 <i>GA</i> <sub>26</sub>		7 26.7 126°79	0.6/26.9	17		<b>249803</b>	2001 <i>AV</i> <sub>7</sub>		7 26.7 259°42	0.9/26.0	18	
6 20	20 53.74	-15 38.3	1.601	2.447	16.3	20.6	6 20	20 48.84	-20 28.3	2.609	3.448	11.0	21.5
6 30	20 48.63	-16 2.3	1.535	2.458	12.6	20.4	6 30	20 44.26	-20 57.4	2.507	3.427	8.4	21.3
7 10	20 41.00	-16 37.5	1.490	2.469	8.3	20.2	7 10	20 37.94	-21 31.4	2.428	3.407	5.5	21.0
7 20	20 31.53	-17 20.0	1.469	2.479	3.5	19.9	7 20	20 30.29	-22 7.6	2.376	3.386	2.3	20.8
7 30	20 21.29	-18 5.0	1.474	2.488	1.6	19.8	7 30	20 21.94	-22 42.5	2.353	3.365	1.7	20.7
8 9	20 11.52	-18 47.5	1.506	2.497	6.3	20.2	8 9	20 13.67	-23 13.1	2.359	3.343	4.9	20.9
8 19	20 3.34	-19 23.7	1.563	2.506	10.7	20.4	8 19	20 6.22	-23 37.2	2.391	3.321	8.1	21.1
8 29	19 57.60	-19 51.5	1.643	2.514	14.4	20.7	8 29	20 0.28	-23 53.6	2.449	3.299	11.0	21.2
<b>172119</b>	2002 <i>GR</i> <sub>117</sub>		7 26.7 349°58	7.2/23.2	18		<b>112501</b>	2002 <i>PT</i> <sub>15</sub>		7 26.7 28°14	2.1/27.5	17	
6 20	20 48.50	-29 3.6	1.108	2.002	18.7	18.9	6 20	20 48.98	-14 39.4	1.050	1.930	20.6	19.8
6 30	20 46.13	-30 28.3	1.048	1.996	14.6	18.6	6 30	20 45.86	-14 28.7	1.002	1.941	16.0	19.5
7 10	20 40.19	-31 56.3	1.007	1.990	10.4	18.4	7 10	20 39.58	-14 32.8	0.971	1.955	10.7	19.3
7 20	20 31.43	-33 16.3	0.986	1.986	7.4	18.2	7 20	20 31.03	-14 49.3	0.960	1.969	5.0	19.0
7 30	20 21.30	-34 16.7	0.988	1.983	8.2	18.2	7 30	20 21.65	-15 13.6	0.971	1.984	2.6	18.9
8 9	20 11.73	-34 50.0	1.010	1.981	11.9	18.4	8 9	20 13.06	-15 40.4	1.005	2.001	7.6	19.3
8 19	20 4.42	-34 54.5	1.053	1.979	16.2	18.7	8 19	20 6.61	-16 5.1	1.060	2.018	12.8	19.6
8 29	20 0.61	-34 33.2	1.113	1.979	20.2	18.9	8 29	20 3.22	-16 24.3	1.134	2.037	17.2	19.9
<b>99230</b>	2001 <i>KL</i>		7 26.7 47°61	1.1/27.3	18		<b>360952</b>	2005 <i>UE</i> <sub>82</sub>		7 26.7 48°96	0.2/26.6	18	
6 20	20 49.45	-15 10.1	1.617	2.469	15.9	19.7	6 20	20 48.55	-18 34.2	2.106	2.953	13.0	21.3
6 30	20 45.23	-15 21.5	1.559	2.484	12.3	19.5	6 30	20 44.19	-18 51.2	2.032	2.956	9.9	21.1
7 10	20 38.71	-15 43.5	1.521	2.499	8.1	19.3	7 10	20 37.91	-19 14.4	1.980	2.960	6.4	20.9
7 20	20 30.57	-16 13.1	1.506	2.515	3.6	19.0	7 20	20 30.26	-19 41.0	1.954	2.964	2.6	20.7
7 30	20 21.80	-16 46.4	1.518	2.531	1.7	18.9	7 30	20 22.00	-20 7.5	1.955	2.968	1.4	20.6
8 9	20 13.55	-17 19.2	1.555	2.548	5.9	19.3	8 9	20 14.06	-20 31.0	1.983	2.972	5.2	20.9
8 19	20 6.79	-17 48.2	1.617	2.564	10.1	19.5	8 19	20 7.25	-20 49.2	2.037	2.977	8.8	21.1
8 29	20 2.27	-18 11.0	1.702	2.581	13.6	19.8	8 29	20 2.26	-21 0.9	2.116	2.981	11.9	21.3
<b>358728</b>	2008 <i>CT</i> <sub>17</sub>		7 26.7 19°68	4.3/29.9	18		<b>140356</b>	2001 <i>TY</i> <sub>19</sub>		7 26.7 280°18	5.5/23.8	18	
6 20	20 45.63	-4 17.2	2.048	2.855	14.7	21.2	6 20	20 54.36	-33 54.3	2.090	2.939	12.9	19.5
6 30	20 41.99	-4 30.1	1.968	2.857	11.9	21.0	6 30	20 49.00	-34 29.5	2.009	2.928	10.3	19.3
7 10	20 36.50	-5 0.1	1.908	2.858	8.9	20.8	7 10	20 41.24	-35 0.4	1.950	2.916	7.6	19.1
7 20	20 29.68	-5 46.5	1.872	2.860	5.9	20.6	7 20	20 31.67	-35 21.3	1.916	2.905	5.7	19.0
7 30	20 22.22	-6 6.7	1.862	2.862	4.3	20.5	7 30	20 21.30	-35 27.3	1.909	2.894	6.0	19.0
8 9	20 14.99	-7 56.4	1.879	2.864	5.9	20.6	8 9	20 11.28	-35 15.9	1.928	2.883	8.3	19.1
8 19	20 8.77	-9 10.6	1.923	2.867	8.9	20.8	8 19	20 2.70	-34 47.4	1.973	2.872	11.2	19.3
8 29	20 4.25	-10 24.1	1.990	2.869	11.9	21.0	8 29	19 56.40	-34 4.3	2.039	2.861	13.9	19.4
<b>512744</b>	2016 <i>UY</i> <sub>30</sub>		7 26.7 175°96	1.5/25.8	18		<b>200518</b>	2001 <i>BE</i> <sub>78</sub>		7 26.7 241°54	1.4		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>137243</b>	1999 <i>RP</i> <sub>59</sub>		7 26.7 302°56	4.6/24.9	18		<b>201088</b>	2002 <i>GG</i> <sub>70</sub>		7 26.7 10°97	3.1/25.1	18	
6 20	20 53.76	-27 37.4	1.354	2.228	17.2	19.7	6 20	20 48.03	-23 4.7	1.412	2.288	16.4	19.3
6 30	20 49.67	-28 9.7	1.274	2.212	13.4	19.4	6 30	20 44.80	-23 58.7	1.349	2.290	12.6	19.1
7 10	20 42.29	-28 43.4	1.215	2.197	9.2	19.1	7 10	20 38.81	-24 59.3	1.307	2.293	8.2	18.9
7 20	20 32.29	-29 11.5	1.177	2.183	5.3	18.9	7 20	20 30.77	-25 59.9	1.287	2.296	4.1	18.6
7 30	20 20.96	-29 26.7	1.164	2.168	5.4	18.9	7 30	20 21.81	-26 53.2	1.293	2.300	4.0	18.6
8 9	20 10.00	-29 24.3	1.174	2.154	9.4	19.0	8 9	20 13.32	-27 33.2	1.322	2.305	8.1	18.9
8 19	20 0.99	-29 3.6	1.207	2.140	14.0	19.3	8 19	20 6.53	-27 57.1	1.374	2.311	12.4	19.1
8 29	19 55.13	-28 26.9	1.260	2.127	18.2	19.5	8 29	20 2.40	-28 4.7	1.447	2.317	16.1	19.4
<b>224297</b>	2005 <i>TG</i> <sub>152</sub>		7 26.7 261°78	4.5/24.2	17		<b>378270</b>	2007 <i>EA</i> <sub>22</sub>		7 26.7 187°58	1.5/27.6	17	
6 20	20 53.17	-27 46.5	1.724	2.585	14.7	21.3	6 20	20 51.35	-13 18.6	1.952	2.784	14.4	22.1
6 30	20 48.55	-28 40.6	1.643	2.574	11.4	21.0	6 30	20 46.52	-13 36.2	1.870	2.783	11.2	21.9
7 10	20 41.21	-29 37.0	1.584	2.562	7.9	20.8	7 10	20 39.56	-14 4.9	1.810	2.783	7.5	21.7
7 20	20 31.76	-30 28.9	1.549	2.551	4.9	20.6	7 20	20 31.00	-14 42.3	1.775	2.781	3.6	21.4
7 30	20 21.25	-31 9.5	1.540	2.539	5.2	20.6	7 30	20 21.69	-15 25.1	1.767	2.780	1.8	21.3
8 9	20 11.00	-31 33.8	1.557	2.527	8.5	20.8	8 9	20 12.63	-16 8.9	1.787	2.778	5.5	21.5
8 19	20 2.27	-31 40.3	1.598	2.515	12.2	21.0	8 19	20 4.77	-16 50.3	1.833	2.775	9.4	21.8
8 29	19 56.10	-31 29.9	1.660	2.503	15.7	21.2	8 29	19 58.88	-17 26.3	1.903	2.772	12.9	22.0
<b>92255</b>	2000 <i>AU</i> <sub>199</sub>		7 26.7 177°98	6.8/21.1	18		<b>158622</b>	2003 <i>BN</i> <sub>2</sub>		7 26.7 177°61	0.1/26.7	18	
6 20	20 53.92	-34 21.6	2.119	2.967	12.8	18.3	6 20	20 52.54	-18 4.9	1.826	2.672	14.7	21.4
6 30	20 48.85	-36 11.0	2.053	2.969	10.3	18.2	6 30	20 47.57	-18 20.3	1.749	2.673	11.3	21.1
7 10	20 41.28	-37 58.5	2.011	2.969	8.0	18.0	7 10	20 40.29	-18 43.2	1.694	2.674	7.3	20.9
7 20	20 31.76	-39 35.7	1.996	2.970	6.8	18.0	7 20	20 31.31	-19 10.4	1.664	2.674	3.0	20.6
7 30	20 21.25	-40 54.8	2.007	2.970	7.6	18.0	7 30	20 21.55	-19 38.0	1.661	2.674	1.5	20.5
8 9	20 10.93	-41 51.1	2.045	2.970	9.7	18.2	8 9	20 12.14	-20 2.3	1.684	2.674	5.9	20.8
8 19	20 1.96	-42 23.1	2.108	2.969	12.2	18.3	8 19	20 4.08	-20 20.8	1.734	2.674	10.0	21.1
8 29	19 55.29	-42 32.9	2.191	2.968	14.5	18.5	8 29	19 58.21	-20 32.1	1.806	2.673	13.6	21.3
<b>391981</b>	2008 <i>XJ</i> <sub>50</sub>		7 26.7 195°14	6.2/22.4	18		<b>512873</b>	2016 <i>WE</i> <sub>12</sub>		7 26.7 247°27	0.2/26.8	18	
6 20	20 54.93	-36 7.0	2.323	3.164	12.1	21.6	6 20	20 50.54	-18 37.8	2.252	3.091	12.5	21.0
6 30	20 49.29	-37 12.1	2.252	3.162	9.7	21.4	6 30	20 45.64	-18 35.3	2.166	3.086	9.6	20.8
7 10	20 41.36	-38 12.7	2.204	3.160	7.5	21.3	7 10	20 38.85	-18 37.6	2.103	3.080	6.3	20.5
7 20	20 31.72	-39 2.4	2.182	3.157	6.2	21.2	7 20	20 30.68	-18 42.6	2.065	3.075	2.6	20.3
7 30	20 21.30	-39 35.9	2.186	3.153	6.7	21.2	7 30	20 21.89	-18 47.9	2.056	3.069	1.2	20.2
8 9	20 11.19	-39 50.0	2.217	3.150	8.6	21.3	8 9	20 13.34	-18 51.6	2.074	3.064	5.0	20.4
8 19	20 2.41	-39 44.8	2.273	3.145	11.0	21.5	8 19	20 5.86	-18 52.0	2.119	3.058	8.5	20.6
8 29	19 55.80	-39 22.4	2.351	3.141	13.3	21.6	8 29	20 0.14	-18 48.4	2.189	3.052	11.6	20.8
<b>122757</b>	2000 <i>SP</i> <sub>64</sub>		7 26.7 352°09	0.3/26.6	18		<b>414093</b>	2007 <i>TD</i> <sub>213</sub>		7 26.7 31°03	1.4/27.2	17	
6 20	20 44.18	-17 8.2	1.195	2.078	18.3	18.9	6 20	20 52.01	-16 30.9	1.156	2.029	19.6	20.5
6 30	20 42.23	-17 39.0	1.126	2.071	14.2	18.6	6 30	20 48.10	-16 16.7	1.099	2.035	15.2	20.3
7 10	20 37.37	-18 23.9	1.076	2.064	9.3	18.4	7 10	20 41.05	-16 13.7	1.059	2.043	10.1	20.0
7 20	20 30.24	-19 18.4	1.047	2.059	3.8	18.0	7 20	20 31.69	-16 19.3	1.041	2.051	4.5	19.7
7 30	20 22.01	-20 15.8	1.041	2.055	2.0	17.9	7 30	20 21.41	-16 29.9	1.046	2.059	2.2	19.6
8 9	20 14.17	-21 8.8	1.058	2.053	7.6	18.2	8 9	20 11.83	-16 41.2	1.074	2.068	7.5	20.0
8 19	20 8.08	-21 51.7	1.097	2.052	12.8	18.5	8 19	20 4.32	-16 50.2	1.124	2.078	12.7	20.3
8 29	20 4.83	-22 21.5	1.155	2.052	17.3	18.8	8 29	19 59.86	-16 54.7	1.194	2.089	17.1	20.6
<b>423101</b>	2004 <i>BB</i> <sub>4</sub>		7 26.7 192°02	0.7/26.3	17		<b>500110</b>	2012 <i>BJ</i> <sub>100</sub>		7 26.7 249°35	1.4/25.9	17	
6 20	20 52.54	-18 0.9	1.894	2.738	14.3	22.0	6 20	20 52.70	-19 18.9	1.547	2.405	16.2	21.9
6 30	20 47.59	-18 46.1	1.813	2.736	11.0	21.8	6 30	20 48.37	-20 3.9	1.463	2.394	12.5	21.7
7 10	20 40.34	-19 40.6	1.755	2.735	7.1	21.5	7 10	20 41.23	-20 59.7	1.399	2.381	8.2	21.4
7 20	20 31.34	-20 40.2	1.722	2.732	2.9	21.3	7 20	20 31.85	-22 1.2	1.358	2.369	3.4	21.1
7 30	20 21.50	-21 39.4	1.716	2.729	1.8	21.2	7 30	20 21.27	-23 1.5	1.344	2.356	2.5	21.0
8 9	20 11.89	-22 32.9	1.739	2.726	6.1	21.5	8 9	20 10.86	-23 54.2	1.355	2.342	7.4	21.2
8 19	20 3.55	-23 17.2	1.787	2.722	10.1	21.7	8 19	20 1.96	-24 34.7	1.391	2.329	12.1	21.5
8 29	19 57.34	-23 50.4	1.859	2.717	13.6	21.9	8 29	19 55.68	-25 1.4	1.448	2.315	16.3	21.7
<b>328938</b>	2010 <i>VM</i> <sub>39</sub>		7 26.7 251°45	3.5/24.7	18		<b>386386</b>	2008 <i>UZ</i> <sub>107</sub>		7 26.7 217°56	4.4/29.7	17	
6 20	20 52.97	-23 59.7	1.677	2.537	15.1	20.9	6 20	20 48.15	- 4 57.9	1.948	2.757	15.3	21.7
6 30	20 48.48	-25 2.6	1.592	2.523	11.7	20.6	6 30	20 44.08	- 5 7.5	1.863	2.754	12.4	21.5
7 10	20 41.25	-26 12.4	1.528	2.509	7.7	20.4	7 10	20 37.99	- 5 34.4	1.798	2.750	9.2	21.3
7 20	20 31.83	-27 22.6	1.488	2.495	4.1	20.1	7 20	20 30.38	- 6 18.1	1.757	2.747	6.0	21.1
7 30	20 21.22	-28 25.7	1.476	2.480	4.3	20.1	7 30	20 22.02	- 7 16.2	1.742	2.743	4.4	21.0
8 9	20 10.77	-29 15.1	1.489	2.465	8.1	20.3	8 9	20 13.86	- 8 24.1	1.754	2.740	6.2	21.1
8 19	20 1.76	-29 47.4	1.526	2.450	12.3	20.5	8 19	20 6.77	- 9 36.7	1.792	2.736	9.5	21.3
8 29	19 55.29	-30 2.5	1.585	2.434	16.0	20.7	8 29	20 1.54	-10 48.7	1.854	2.732	12.8	21.5
<b>436190</b>	2009 <i>WB</i> <sub>91</sub>		7 26.7 163°28	4.4/29.5	17		<b>512567</b>	2016 <i>SD</i> <sub>25</sub>		7 26.7 243°44	2.0/25.4	18	
6 20	20 51.27	- 4 55.7	2.411	3.199	13.3	22.5	6 20	20 50.26	-22 35.5	2.055	2.906	13.0	21.3
6 30	20 45.94	- 4 37.4	2.329	3.206	10.8	22.3	6 30	20 45.75	-23 15.8	1.972	2.899	10.0	21.1
7 10	20 38.91	- 4 31.5	2.269	3.212	8.1	22.2	7 10	20 39.10	-24 0.9	1.911	2.893	6.5	20.9
7 20	20 30.66	- 4 38.1	2.235	3.217	5.6	22.0	7 20	20 30.84	-24 46.6	1.877	2.885	3.0	20.7
7 30	20 21.87	- 4 56.4	2.227	3.222	4.4	22.0	7 30	20 21.80	-25 28.0	1.869	2.878	2.8	20.6
8 9	20 13.31	- 5 24.1	2.248	3.225	5.8	22.1	8 9	20 12.98	-26 1.1	1.889	2.871	6.2	20.9
8 19	20 5.72	- 5 58.2	2.297	3.229	8.3	22.2	8 19	20 5.33	-26 23.6	1.935	2.863	9.8	21.1
8 29	19 59.72	- 6 35.6	2.370	3.231	10.9	22.4	8 29	19 59.65	-26 34.7	2.004	2.856	13.0	21.3
<b>185448</b>	Nomentum		7 26.7 16°06	2.2/25.1	18		<b>40982</b>	1999 <i>TR</i> <sub>285</sub> </					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>466744</b>	2015 <i>AQ</i> <sub>24</sub>		7 26.7	91°95	4°9/29.6	17	<b>33489</b>	1999 <i>GF</i> <sub>9</sub>		7 26.7	336°33	11°0/	1.8 18 R
6 20	20 49.72	- 5 11.4	1.494	2.320	18.3	21.5	6 20	20 44.93	+ 5 13.2	1.471	2.259	20.3	17.3
6 30	20 45.74	- 5 20.3	1.425	2.327	14.8	21.3	6 30	20 42.27	+ 6 10.2	1.392	2.249	17.8	17.1
7 10	20 39.26	- 5 50.7	1.375	2.334	10.9	21.1	7 10	20 37.18	+ 6 41.4	1.330	2.240	15.0	16.9
7 20	20 30.94	- 6 41.8	1.347	2.340	6.9	20.9	7 20	20 30.18	+ 6 41.8	1.286	2.232	12.5	16.7
7 30	20 21.78	- 7 49.8	1.343	2.347	4.9	20.8	7 30	20 22.20	+ 6 9.4	1.263	2.225	11.1	16.6
8 9	20 12.99	- 9 8.4	1.365	2.354	7.2	21.0	8 9	20 14.42	+ 5 6.6	1.262	2.218	11.5	16.6
8 19	20 5.69	-10 30.5	1.411	2.361	11.0	21.2	8 19	20 7.95	+ 3 39.6	1.282	2.212	13.6	16.7
8 29	20 0.78	-11 49.5	1.480	2.367	14.8	21.5	8 29	20 3.78	+ 1 57.8	1.323	2.207	16.5	16.9
<b>476756</b>	2008 <i>UR</i> <sub>72</sub>		7 26.7	245°01	3°1/24.9	18	<b>350254</b>	2012 <i>TG</i> <sub>131</sub>		7 26.7	352°47	5°5/23.8	17
6 20	20 53.32	-26 23.0	2.204	3.051	12.5	22.7	6 20	20 53.24	-31 7.9	1.747	2.608	14.5	20.4
6 30	20 48.09	-27 0.0	2.111	3.035	9.6	22.5	6 30	20 48.51	-32 2.3	1.680	2.608	11.4	20.2
7 10	20 40.64	-27 38.8	2.041	3.019	6.5	22.2	7 10	20 41.11	-32 55.0	1.634	2.607	8.1	20.0
7 20	20 31.50	-28 14.8	1.997	3.002	3.6	22.0	7 20	20 31.73	-33 39.1	1.612	2.607	5.8	19.9
7 30	20 21.49	-28 43.2	1.981	2.984	3.7	22.0	7 30	20 21.49	-34 8.2	1.616	2.607	6.2	19.9
8 9	20 11.64	-29 0.6	1.992	2.966	6.7	22.2	8 9	20 11.69	-34 18.6	1.645	2.607	8.9	20.1
8 19	20 2.93	-29 5.5	2.030	2.948	10.0	22.3	8 19	20 3.52	-34 9.9	1.698	2.607	12.2	20.3
8 29	19 56.22	-28 58.3	2.091	2.929	13.1	22.5	8 29	19 57.91	-33 44.5	1.772	2.607	15.2	20.5
<b>320410</b>	2007 <i>VE</i>		7 26.7	285°45	2°5/28.3	18	<b>212525</b>	2006 <i>RM</i> <sub>61</sub>		7 26.7	308°67	0°3/26.6	18
6 20	20 47.67	-10 31.0	1.932	2.763	14.5	21.0	6 20	20 49.14	-18 50.2	1.877	2.729	14.1	20.5
6 30	20 43.77	-10 42.8	1.847	2.757	11.5	20.7	6 30	20 45.03	-19 5.3	1.794	2.721	10.8	20.3
7 10	20 37.82	-11 7.8	1.783	2.751	8.0	20.5	7 10	20 38.71	-19 27.4	1.732	2.713	7.0	20.1
7 20	20 30.33	-11 44.7	1.743	2.746	4.3	20.3	7 20	20 30.74	-19 53.5	1.695	2.706	2.9	19.8
7 30	20 22.08	-12 30.3	1.730	2.740	2.6	20.2	7 30	20 21.97	-20 19.7	1.684	2.698	1.5	19.7
8 9	20 14.04	-13 20.6	1.743	2.735	5.6	20.3	8 9	20 13.44	-20 42.5	1.700	2.691	5.8	20.0
8 19	20 7.09	-14 11.4	1.783	2.729	9.3	20.6	8 19	20 6.15	-20 59.4	1.742	2.683	9.8	20.2
8 29	20 2.03	-14 58.8	1.846	2.724	12.8	20.8	8 29	20 0.90	-21 9.1	1.806	2.676	13.4	20.4
<b>311921</b>	2007 <i>BU</i> <sub>36</sub>		7 26.7	91°75	0°9/26.0	18	<b>480425</b>	2015 <i>KL</i> <sub>117</sub>		7 26.7	44°90	3°2/24.6	16
6 20	20 47.49	-17 43.5	2.262	3.105	12.3	20.5	6 20	20 49.08	-22 41.7	1.655	2.520	15.0	20.9
6 30	20 43.35	-18 46.4	2.187	3.110	9.4	20.3	6 30	20 45.23	-24 1.6	1.595	2.530	11.4	20.7
7 10	20 37.40	-19 57.9	2.136	3.116	6.0	20.1	7 10	20 38.93	-25 28.2	1.557	2.541	7.4	20.5
7 20	20 30.12	-21 13.6	2.111	3.121	2.4	19.9	7 20	20 30.83	-26 54.5	1.544	2.552	3.9	20.3
7 30	20 22.22	-22 28.6	2.114	3.127	1.7	19.8	7 30	20 21.94	-28 12.7	1.558	2.563	4.1	20.4
8 9	20 14.52	-23 37.8	2.146	3.132	5.3	20.1	8 9	20 13.45	-29 16.5	1.597	2.575	7.6	20.6
8 19	20 7.83	-24 37.8	2.205	3.137	8.6	20.3	8 19	20 6.44	-30 2.8	1.661	2.586	11.4	20.9
8 29	20 2.80	-25 26.3	2.289	3.142	11.6	20.5	8 29	20 1.79	-30 31.2	1.747	2.598	14.6	21.1
<b>67170</b>	2000 <i>AC</i> <sub>244</sub>		7 26.7	285°78	7°7/	1.2 18	<b>69928</b>	1998 <i>TY</i> <sub>32</sub>		7 26.7	212°32	4°6/23.7	18
6 20	20 45.57	+ 4 38.3	2.341	3.092	14.6	18.5	6 20	20 53.04	-30 42.4	2.230	3.079	12.3	19.2
6 30	20 41.83	+ 5 11.2	2.248	3.082	12.7	18.4	6 30	20 47.85	-31 34.6	2.153	3.074	9.6	19.0
7 10	20 36.41	+ 5 26.4	2.175	3.072	10.6	18.2	7 10	20 40.46	-32 25.7	2.098	3.069	6.8	18.9
7 20	20 29.73	+ 5 21.8	2.123	3.063	8.7	18.1	7 20	20 31.43	-33 10.3	2.069	3.064	4.8	18.7
7 30	20 22.41	+ 4 56.9	2.096	3.053	7.7	18.0	7 30	20 21.64	-33 43.1	2.068	3.058	5.1	18.7
8 9	20 15.21	+ 4 13.3	2.094	3.043	8.1	18.0	8 9	20 12.12	-34 0.9	2.094	3.052	7.5	18.9
8 19	20 8.85	+ 3 14.7	2.118	3.033	9.8	18.1	8 19	20 3.84	-34 2.8	2.145	3.046	10.4	19.0
8 29	20 3.97	+ 2 5.9	2.165	3.023	11.9	18.2	8 29	19 57.61	-33 50.1	2.219	3.039	13.0	19.2
<b>513284</b>	2006 <i>WS</i> <sub>207</sub>		7 26.7	210°85	1°0/25.9	18	<b>509624</b>	2008 <i>FS</i> <sub>37</sub>		7 26.7	61°74	3°0/24.8	18
6 20	20 48.51	-20 12.0	2.785	3.621	10.4	22.6	6 20	20 49.64	-25 57.4	2.120	2.975	12.6	21.4
6 30	20 43.85	-20 50.3	2.695	3.614	8.0	22.4	6 30	20 45.13	-26 41.2	2.054	2.982	9.6	21.3
7 10	20 37.60	-21 33.4	2.629	3.607	5.1	22.2	7 10	20 38.60	-27 26.6	2.011	2.990	6.4	21.1
7 20	20 30.19	-22 18.5	2.590	3.600	2.1	22.0	7 20	20 30.63	-28 8.9	1.993	2.998	3.5	20.9
7 30	20 22.21	-23 2.0	2.581	3.592	1.6	21.9	7 30	20 22.05	-28 43.6	2.002	3.006	3.6	20.9
8 9	20 14.36	-23 41.0	2.601	3.584	4.6	22.1	8 9	20 13.83	-29 7.4	2.039	3.013	6.5	21.1
8 19	20 7.31	-24 13.3	2.648	3.576	7.5	22.3	8 19	20 6.83	-29 19.0	2.101	3.021	9.6	21.3
8 29	20 1.66	-24 37.6	2.721	3.567	10.2	22.5	8 29	20 1.76	-29 18.5	2.186	3.029	12.4	21.5
<b>106545</b>	Colanduno		7 26.7	336°99	0°3/26.6	18	<b>407461</b>	2010 <i>UT</i> <sub>56</sub>		7 26.7	16°68	15°1/	4.6 15
6 20	20 47.83	-18 37.6	1.949	2.801	13.6	19.7	6 20	20 48.16	+16 8.7	1.801	2.494	20.2	19.6
6 30	20 43.91	-18 55.8	1.869	2.796	10.5	19.5	6 30	20 44.27	+18 21.4	1.743	2.502	18.7	19.5
7 10	20 37.91	-19 21.0	1.810	2.792	6.8	19.2	7 10	20 38.21	+20 8.2	1.701	2.510	17.1	19.4
7 20	20 30.38	-19 50.1	1.777	2.787	2.8	19.0	7 20	20 30.53	+21 22.5	1.677	2.519	15.9	19.3
7 30	20 22.13	-20 19.5	1.770	2.783	1.5	18.9	7 30	20 22.08	+21 59.8	1.671	2.529	15.2	19.3
8 9	20 14.13	-20 45.7	1.789	2.779	5.6	19.1	8 9	20 13.91	+22 0.1	1.685	2.540	15.1	19.3
8 19	20 7.31	-21 6.1	1.835	2.776	9.4	19.4	8 19	20 6.98	+21 26.8	1.717	2.552	15.7	19.4
8 29	20 2.43	-21 19.1	1.903	2.773	12.8	19.6	8 29	20 2.08	+20 26.5	1.768	2.564	16.8	19.5
<b>439685</b>	2014 <i>JT</i> <sub>42</sub>		7 26.7	308°21	2°0/25.3	18	<b>68711</b>	2002 <i>CV</i> <sub>244</sub>		7 26.7	78°10	9°8/	3.8 18 R
6 20	20 47.79	-21 36.2	2.105	2.958	12.7	20.5	6 20	20 47.25	+ 9 43.9	1.844	2.580	18.5	19.5
6 30	20 43.83	-22 33.0	2.025	2.954	9.7	20.3	6 30	20 43.43	+ 9 56.0	1.771	2.588	16.2	19.4
7 10	20 37.85	-23 36.2	1.968	2.950	6.3	20.1	7 10	20 37.58	+ 9 40.7	1.715	2.597	13.8	19.2
7 20	20 30.36	-24 41.0	1.938	2.947	2.9	19.9	7 20	20 30.24	+ 8 55.6	1.678	2.605	11.5	19.1
7 30	20 22.14	-25 42.3	1.934	2.943	2.8	19.9	7 30	20 22.24	+ 7 41.1	1.665	2.613	10.0	19.0
8 9	20 14.11	-26 35.2	1.958	2.939	6.1	20.1	8 9	20 14.52	+ 6 1.6	1.676	2.621	10.0	19.1
8 19	20 7.16	-27 16.6	2.008	2.936	9.6	20.3	8 19	20 7.98	+ 4 4.3	1.711	2.630	11.5	19.2
8 29	20 2.08	-27 45.4	2.082	2.932	12.6	20.5	8 29	20 3.35	+ 1 58.2	1.770	2.638	13.7	19.3
<b>102395</b>	1999 <i>TE</i> <sub>164</sub>		7 26.7	326°05	1°9/27.7	18	<b>384592</b>	2010 <i>LX</i> <sub>30</sub>		7			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>121551</b>	1999 <i>VT</i> <sub>33</sub>		7 26.7 222°57'	2°6'/28.6	18		<b>181196</b>	2005 <i>SF</i> <sub>137</sub>		7 26.8	3°73'	0°5'/27.1	18
6 20	20 47.22	- 9 39.4	2.680	3.490	11.5	20.6	6 20	20 47.86	-16 19.7	1.979	2.825	13.7	20.6
6 30	20 42.84	- 9 35.9	2.587	3.484	9.2	20.4	6 30	20 43.86	-16 34.9	1.902	2.825	10.6	20.4
7 10	20 36.94	- 9 41.6	2.517	3.477	6.5	20.2	7 10	20 37.86	-16 58.4	1.846	2.825	6.9	20.2
7 20	20 29.94	- 9 55.9	2.474	3.471	3.8	20.0	7 20	20 30.40	-17 27.8	1.816	2.825	3.0	20.0
7 30	20 22.41	-10 17.3	2.458	3.464	2.6	19.9	7 30	20 22.27	-17 59.7	1.812	2.826	1.3	19.8
8 9	20 15.03	-10 43.6	2.470	3.457	4.6	20.1	8 9	20 14.42	-18 30.5	1.835	2.827	5.3	20.1
8 19	20 8.43	-11 12.5	2.510	3.450	7.3	20.2	8 19	20 7.72	-18 57.3	1.884	2.828	9.1	20.3
8 29	20 3.19	-11 41.6	2.576	3.442	10.0	20.4	8 29	20 2.89	-19 18.2	1.957	2.829	12.4	20.6
<b>99201</b>	Sattler		7 26.7	5°49'	3°5'/29.2	16	<b>288357</b>	2004 <i>BO</i> <sub>154</sub>		7 26.8 179°98'	0°1'/26.8	17	
6 20	20 45.82	- 6 22.7	1.671	2.500	16.5	19.0	6 20	20 53.17	-16 50.5	1.920	2.759	14.3	22.6
6 30	20 42.62	- 6 59.8	1.594	2.500	13.3	18.8	6 30	20 48.02	-17 19.2	1.841	2.760	11.0	22.4
7 10	20 37.22	- 7 57.5	1.537	2.501	9.5	18.5	7 10	20 40.62	-17 56.8	1.784	2.761	7.2	22.2
7 20	20 30.16	- 9 13.9	1.503	2.502	5.6	18.3	7 20	20 31.56	-18 40.0	1.752	2.762	3.0	21.9
7 30	20 22.30	-10 44.1	1.495	2.503	3.5	18.2	7 30	20 21.70	-19 24.4	1.748	2.761	1.4	21.8
8 9	20 14.67	-12 21.3	1.513	2.505	6.1	18.4	8 9	20 12.13	-20 5.5	1.771	2.760	5.7	22.1
8 19	20 8.29	-13 58.0	1.556	2.507	10.1	18.6	8 19	20 3.84	-20 40.2	1.821	2.759	9.7	22.3
8 29	20 3.97	-15 27.9	1.623	2.510	13.8	18.8	8 29	19 57.64	-21 6.7	1.894	2.757	13.2	22.6
<b>473128</b>	2015 <i>JG</i> <sub>5</sub>		7 26.7 145°40'	2°3'/27.8	17		<b>127066</b>	2002 <i>GT</i> <sub>55</sub>		7 26.8 141°51'	1°7'/27.8	18	
6 20	20 52.84	-13 38.5	1.931	2.762	14.6	20.8	6 20	20 48.38	-13 21.4	2.408	3.234	12.2	20.3
6 30	20 47.60	-13 17.3	1.854	2.766	11.4	20.6	6 30	20 43.84	-13 20.0	2.327	3.236	9.5	20.1
7 10	20 40.24	-13 4.6	1.799	2.770	7.8	20.3	7 10	20 37.65	-13 26.5	2.269	3.239	6.4	19.9
7 20	20 31.34	-12 59.4	1.769	2.773	4.0	20.1	7 20	20 30.26	-13 39.7	2.237	3.242	3.2	19.7
7 30	20 21.78	-13 0.1	1.766	2.776	2.4	20.0	7 30	20 22.35	-13 57.5	2.233	3.244	1.8	19.6
8 9	20 12.57	-13 4.6	1.790	2.779	5.6	20.2	8 9	20 14.68	-14 17.5	2.257	3.247	4.6	19.8
8 19	20 4.65	-13 10.7	1.840	2.782	9.4	20.5	8 19	20 7.96	-14 37.6	2.308	3.249	7.8	20.0
8 29	19 58.74	-13 16.7	1.914	2.785	12.7	20.7	8 29	20 2.79	-14 55.9	2.383	3.251	10.6	20.2
<b>342648</b>	2008 <i>UP</i> <sub>369</sub>		7 26.7 325°20'	2°1'/25.4	18		<b>290497</b>	2005 <i>UQ</i> <sub>20</sub>		7 26.8 223°75'	9°2'/17.7	18	
6 20	20 44.93	-18 7.3	1.390	2.265	16.7	19.2	6 20	21 1.50	-52 48.0	2.960	3.741	11.2	21.8
6 30	20 42.75	-19 27.5	1.304	2.245	12.9	18.9	6 30	20 54.62	-54 3.7	2.896	3.730	10.1	21.7
7 10	20 37.82	-21 5.0	1.239	2.226	8.4	18.6	7 10	20 45.04	-55 7.1	2.855	3.720	9.4	21.7
7 20	20 30.60	-22 53.5	1.196	2.207	3.6	18.3	7 20	20 33.41	-55 51.9	2.836	3.709	9.2	21.6
7 30	20 22.06	-24 43.5	1.178	2.189	3.3	18.2	7 30	20 20.81	-56 13.0	2.842	3.697	9.7	21.6
8 9	20 13.58	-26 24.6	1.185	2.172	8.3	18.4	8 9	20 8.56	-56 8.8	2.871	3.685	10.7	21.7
8 19	20 6.54	-27 48.9	1.215	2.156	13.2	18.7	8 19	19 57.89	-55 40.6	2.922	3.672	11.9	21.8
8 29	20 2.15	-28 52.2	1.265	2.141	17.6	18.9	8 29	19 49.77	-54 51.9	2.991	3.659	13.1	21.9
<b>178487</b>	1999 <i>TB</i> <sub>67</sub>		7 26.7 267°03'	1°3'/26.2	18		<b>24837</b>	Mšecké Žehrovice		7 26.8 292°92'	3°8'/28.3	18	
6 20	20 53.29	-20 39.4	1.614	2.470	15.7	20.8	6 20	20 49.95	-10 23.5	1.505	2.348	17.4	18.6
6 30	20 48.77	-21 1.2	1.524	2.454	12.2	20.5	6 30	20 46.39	-10 9.1	1.406	2.322	14.0	18.3
7 10	20 41.50	-21 30.2	1.455	2.437	8.0	20.2	7 10	20 40.10	-10 9.3	1.326	2.295	10.0	18.0
7 20	20 32.03	-22 2.2	1.410	2.421	3.4	19.9	7 20	20 31.54	-10 24.5	1.267	2.269	5.8	17.7
7 30	20 21.40	-22 32.1	1.391	2.403	2.3	19.8	7 30	20 21.64	-10 52.9	1.233	2.242	3.9	17.5
8 9	20 10.93	-22 55.1	1.398	2.386	7.1	20.0	8 9	20 11.71	-11 30.7	1.224	2.216	7.4	17.6
8 19	20 1.93	-23 8.4	1.429	2.368	11.8	20.3	8 19	20 3.06	-12 13.3	1.239	2.189	12.1	17.8
8 29	19 55.48	-23 11.2	1.482	2.350	15.9	20.5	8 29	19 56.90	-12 55.9	1.275	2.163	16.6	18.0
<b>80688</b>	2000 <i>BO</i> <sub>34</sub>		7 26.7 290°27'	1°5'/25.9	18		<b>391984</b>	2008 <i>YO</i> <sub>8</sub>		7 26.8 336°47'	10°7'/28.7	18	
6 20	20 49.70	-18 45.3	1.494	2.358	16.4	18.9	6 20	20 43.88	- 4 27.5	1.149	2.002	21.0	18.8
6 30	20 46.09	-19 39.6	1.417	2.351	12.6	18.7	6 30	20 42.25	- 2 33.6	1.062	1.973	18.0	18.5
7 10	20 39.76	-20 46.0	1.360	2.345	8.2	18.4	7 10	20 37.67	- 0 52.4	0.993	1.946	14.6	18.3
7 20	20 31.30	-21 58.8	1.327	2.338	3.4	18.1	7 20	20 30.60	+ 0 29.2	0.942	1.921	11.7	18.0
7 30	20 21.76	-23 10.7	1.319	2.331	2.6	18.0	7 30	20 22.09	+ 1 24.7	0.912	1.897	10.7	17.9
8 9	20 12.47	-24 14.5	1.337	2.325	7.4	18.3	8 9	20 13.61	+ 1 51.2	0.901	1.875	12.5	17.9
8 19	20 4.70	-25 5.2	1.379	2.319	12.0	18.5	8 19	20 6.66	+ 1 50.0	0.910	1.855	16.0	18.0
8 29	19 59.51	-25 40.7	1.441	2.313	16.1	18.8	8 29	20 2.58	+ 1 26.6	0.936	1.838	20.0	18.2
<b>471303</b>	2011 <i>HS</i> <sub>36</sub>		7 26.7	20°96'	0°4'/26.9	16	<b>30999</b>	1995 <i>UJ</i> <sub>31</sub>		7 26.8 265°34'	0°8'/26.3	18	
6 20	20 45.87	-15 7.6	1.243	2.117	18.4	21.0	6 20	20 49.20	-20 0.6	2.253	3.097	12.3	19.1
6 30	20 43.25	-15 43.3	1.188	2.126	14.1	20.8	6 30	20 44.78	-20 21.6	2.163	3.086	9.4	18.8
7 10	20 37.86	-16 34.1	1.151	2.136	9.2	20.6	7 10	20 38.43	-20 47.9	2.095	3.075	6.1	18.6
7 20	20 30.46	-17 35.2	1.137	2.148	3.9	20.3	7 20	20 30.65	-21 16.6	2.054	3.064	2.5	18.4
7 30	20 22.22	-18 39.9	1.146	2.160	1.7	20.2	7 30	20 22.16	-21 44.3	2.040	3.052	1.6	18.3
8 9	20 14.53	-19 40.8	1.179	2.173	7.0	20.6	8 9	20 13.84	-22 7.8	2.053	3.041	5.3	18.5
8 19	20 8.60	-20 32.5	1.234	2.188	11.8	20.9	8 19	20 6.54	-22 24.9	2.094	3.029	8.8	18.7
8 29	20 5.32	-21 11.8	1.310	2.203	16.0	21.2	8 29	20 0.97	-22 34.7	2.158	3.018	11.9	18.9
<b>43479</b>	2001 <i>BG</i> <sub>15</sub>		7 26.7 295°93'	1°7'/27.7	18		<b>155287</b>	2005 <i>XK</i> <sub>1</sub>		7 26.8 334°32'	2°6'/27.7	18	
6 20	20 48.26	-12 12.9	1.400	2.256	17.7	19.1	6 20	20 37.55	-14 2.8	0.813	1.723	22.0	18.7
6 30	20 45.27	-12 43.0	1.307	2.233	14.1	18.8	6 30	20 38.31	-13 51.9	0.738	1.695	17.6	18.3
7 10	20 39.46	-13 32.2	1.233	2.211	9.6	18.5	7 10	20 35.62	-14 0.4	0.678	1.669	12.2	17.9
7 20	20 31.29	-14 38.2	1.181	2.189	4.6	18.2	7 20	20 29.92	-14 28.7	0.635	1.645	6.0	17.5
7 30	20 21.73	-15 55.7	1.153	2.167	2.2	17.9	7 30	20 22.42	-15 13.1	0.609	1.623	3.1	17.2
8 9	20 12.17	-17 17.1	1.150	2.145	7.2	18.2	8 9	20 15.03	-16 6.0	0.602	1.604	9.2	17.4
8 19	20 4.00	-18 34.9	1.171	2.123	12.5	18.4	8 19	20 9.70	-16 58.7	0.612	1.586	15.9	17.7
8 29	19 58.47	-19 42.9	1.213	2.102	17.3	18.6	8 29	20 8.08	-17 43.1	0.637	1.572	21.9	18.0
<b>23462</b>	1989 <i>TU</i> <sub>4</sub>		7 26.7 358°68'	1°1'/26.1	18		<b>69363</b>	1994 <i>PK</i> <sub>14</sub>		7 26.8 29			



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>314024</b>	2004 <i>XH</i> <sub>30</sub>		7 26.8 315°26	1°0/27.2	17		<b>206393</b>	2003 <i>SQ</i> <sub>32</sub>		7 26.8 287°07	2°0/25.8	18	
6 20	20 50.36	-15 28.2	1.270	2.136	18.5	20.8	6 20	20 51.86	-22 51.5	1.840	2.694	14.2	21.2
6 30	20 46.94	-15 38.8	1.195	2.129	14.5	20.5	6 30	20 47.46	-23 15.6	1.741	2.671	11.0	20.9
7 10	20 40.50	-16 3.2	1.139	2.122	9.7	20.2	7 10	20 40.57	-23 44.6	1.665	2.647	7.2	20.6
7 20	20 31.69	-16 38.4	1.105	2.115	4.3	19.9	7 20	20 31.69	-24 14.2	1.613	2.622	3.3	20.4
7 30	20 21.68	-17 19.2	1.094	2.108	1.9	19.7	7 30	20 21.72	-24 39.6	1.588	2.598	2.8	20.3
8 9	20 12.01	-17 59.8	1.107	2.102	7.4	20.1	8 9	20 11.84	-24 56.8	1.589	2.574	6.8	20.5
8 19	20 4.09	-18 35.3	1.143	2.096	12.7	20.3	8 19	20 3.20	-25 3.4	1.615	2.549	11.0	20.7
8 29	19 59.07	-19 2.4	1.199	2.090	17.3	20.6	8 29	19 56.82	-24 59.0	1.664	2.524	14.8	20.8
<b>475420</b>	2006 <i>KK</i> <sub>66</sub>		7 26.8 340°88	8°2/21.7	17		<b>305514</b>	2008 <i>EB</i> <sub>167</sub>		7 26.8 146°41	2°6/24.9	18	
6 20	20 49.94	-34 13.7	1.497	2.371	15.8	20.6	6 20	20 50.33	-25 40.3	2.497	3.342	11.2	21.4
6 30	20 46.70	-35 48.3	1.432	2.363	12.7	20.4	6 30	20 45.41	-26 22.3	2.425	3.349	8.6	21.2
7 10	20 40.38	-37 20.8	1.387	2.355	9.9	20.2	7 10	20 38.72	-27 5.8	2.377	3.354	5.7	21.1
7 20	20 31.64	-38 41.1	1.366	2.349	8.3	20.1	7 20	20 30.75	-27 46.8	2.355	3.360	3.1	20.9
7 30	20 21.70	-39 39.7	1.368	2.342	9.1	20.1	7 30	20 22.24	-28 21.3	2.362	3.365	3.1	20.9
8 9	20 12.14	-40 10.8	1.393	2.337	11.8	20.3	8 9	20 13.99	-28 46.6	2.397	3.370	5.7	21.1
8 19	20 4.42	-40 13.6	1.439	2.332	14.9	20.5	8 19	20 6.77	-29 1.1	2.458	3.375	8.5	21.3
8 29	19 59.66	-39 51.2	1.504	2.328	18.0	20.7	8 29	20 1.23	-29 5.1	2.544	3.380	11.1	21.5
<b>476117</b>	2007 <i>TK</i> <sub>193</sub>		7 26.8 287°29	2°5/28.2	18		<b>75496</b>	1999 <i>XD</i> <sub>182</sub>		7 26.8 280°21	9°2/20.8	18	
6 20	20 48.45	-11 30.7	1.921	2.754	14.5	21.7	6 20	20 56.23	-40 50.1	1.855	2.701	14.5	18.9
6 30	20 44.44	-11 31.1	1.833	2.745	11.5	21.5	6 30	20 51.27	-42 13.9	1.784	2.689	12.1	18.7
7 10	20 38.34	-11 43.2	1.767	2.737	8.0	21.3	7 10	20 43.25	-43 30.1	1.734	2.676	10.2	18.6
7 20	20 30.67	-12 5.9	1.725	2.728	4.3	21.0	7 20	20 32.82	-44 29.6	1.708	2.664	9.2	18.5
7 30	20 22.20	-12 36.8	1.709	2.719	2.6	20.9	7 30	20 21.20	-45 4.4	1.706	2.652	9.9	18.5
8 9	20 13.93	-13 12.3	1.720	2.711	5.7	21.1	8 9	20 9.95	-45 10.6	1.728	2.640	11.9	18.6
8 19	20 6.77	-13 49.0	1.756	2.702	9.5	21.3	8 19	20 0.49	-44 48.8	1.771	2.628	14.4	18.8
8 29	20 1.52	-14 23.5	1.816	2.694	13.0	21.5	8 29	19 53.95	-44 3.3	1.834	2.615	16.8	18.9
<b>229232</b>	2004 <i>XV</i> <sub>60</sub>		7 26.8 208°96	0°4/27.0	18		<b>302296</b>	2001 <i>YP</i> <sub>79</sub>		7 26.8 191°79	0°8/26.2	18	
6 20	20 51.31	-17 2.8	2.010	2.850	13.7	20.9	6 20	20 49.52	-20 29.8	2.772	3.606	10.5	22.2
6 30	20 46.51	-17 11.0	1.928	2.848	10.6	20.7	6 30	20 44.61	-20 53.5	2.686	3.605	8.0	22.0
7 10	20 39.61	-17 26.5	1.867	2.845	7.0	20.4	7 10	20 38.12	-21 21.1	2.625	3.603	5.2	21.8
7 20	20 31.16	-17 46.9	1.832	2.842	3.0	20.2	7 20	20 30.50	-21 49.9	2.590	3.600	2.1	21.6
7 30	20 21.99	-18 9.0	1.825	2.838	1.3	20.1	7 30	20 22.35	-22 17.1	2.585	3.597	1.5	21.5
8 9	20 13.08	-18 29.7	1.844	2.835	5.4	20.3	8 9	20 14.39	-22 40.2	2.609	3.594	4.5	21.8
8 19	20 5.36	-18 46.7	1.890	2.831	9.3	20.6	8 19	20 7.28	-22 57.5	2.660	3.590	7.4	21.9
8 29	19 59.59	-18 58.4	1.960	2.827	12.6	20.8	8 29	20 1.61	-23 8.3	2.737	3.586	10.0	22.1
<b>345000</b>	2005 <i>AK</i> <sub>76</sub>		7 26.8 130°68	1°4/25.9	17		<b>478774</b>	2012 <i>UG</i> <sub>131</sub>		7 26.8 316°38	0°7/26.4	18	
6 20	20 51.45	-21 12.0	2.060	2.907	13.2	21.6	6 20	20 46.87	-17 59.3	1.442	2.312	16.6	21.5
6 30	20 46.54	-21 46.3	1.990	2.915	10.0	21.4	6 30	20 44.20	-18 32.2	1.349	2.286	12.9	21.2
7 10	20 39.57	-22 25.7	1.942	2.922	6.5	21.2	7 10	20 38.77	-19 17.6	1.276	2.261	8.5	20.9
7 20	20 31.11	-23 6.1	1.920	2.929	2.8	20.9	7 20	20 31.05	-20 11.9	1.225	2.236	3.5	20.5
7 30	20 22.03	-23 43.0	1.925	2.936	2.2	20.9	7 30	20 22.02	-21 9.0	1.198	2.212	2.1	20.4
8 9	20 13.28	-24 13.0	1.958	2.943	5.8	21.2	8 9	20 13.02	-22 2.3	1.196	2.188	7.4	20.6
8 19	20 5.77	-24 34.0	2.018	2.949	9.3	21.4	8 19	20 5.41	-22 46.4	1.217	2.165	12.5	20.8
8 29	20 0.21	-24 45.2	2.101	2.956	12.4	21.6	8 29	20 0.41	-23 18.0	1.258	2.143	17.0	21.1
<b>21120</b>	1992 <i>WP</i>		7 26.8 286°64	7°9/21.6	18		<b>59261</b>	1999 <i>CX</i> <sub>29</sub>		7 26.8 274°18	1°1/27.5	18	
6 20	20 53.55	-34 52.0	1.706	2.566	14.8	18.3	6 20	20 48.47	-13 38.2	2.102	2.937	13.4	19.1
6 30	20 49.35	-36 23.1	1.625	2.548	12.0	18.1	6 30	20 44.44	-14 2.9	2.002	2.917	10.5	18.9
7 10	20 42.12	-37 53.0	1.566	2.529	9.4	17.9	7 10	20 38.38	-14 39.0	1.924	2.898	7.1	18.7
7 20	20 32.40	-39 12.2	1.530	2.510	7.9	17.8	7 20	20 30.73	-15 24.1	1.870	2.878	3.3	18.4
7 30	20 21.33	-40 11.4	1.520	2.491	8.8	17.8	7 30	20 22.22	-16 14.9	1.844	2.857	1.5	18.2
8 9	20 10.40	-40 44.5	1.534	2.472	11.4	17.9	8 9	20 13.77	-17 7.1	1.846	2.837	5.3	18.4
8 19	20 1.10	-40 50.3	1.570	2.452	14.5	18.0	8 19	20 6.27	-17 56.7	1.874	2.817	9.2	18.6
8 29	19 54.65	-40 31.2	1.625	2.433	17.5	18.2	8 29	20 0.54	-18 40.6	1.926	2.796	12.7	18.8
<b>435801</b>	2008 <i>VB</i> <sub>22</sub>		7 26.8 24°00	0°9/26.3	16		<b>337307</b>	2000 <i>YM</i> <sub>58</sub>		7 26.8 253°64	1°5/27.6	18	
6 20	20 49.66	-18 49.9	1.706	2.562	15.0	21.3	6 20	20 52.13	-14 14.5	2.212	3.038	13.1	22.2
6 30	20 45.62	-19 25.6	1.634	2.564	11.5	21.1	6 30	20 47.13	-14 14.7	2.107	3.017	10.3	22.0
7 10	20 39.20	-20 9.9	1.583	2.565	7.5	20.9	7 10	20 40.08	-14 23.2	2.024	2.996	7.0	21.7
7 20	20 31.04	-20 58.7	1.556	2.567	3.0	20.6	7 20	20 31.43	-14 38.5	1.967	2.973	3.4	21.5
7 30	20 22.06	-21 46.6	1.556	2.569	1.9	20.5	7 30	20 21.91	-14 58.4	1.938	2.950	1.8	21.3
8 9	20 13.42	-22 28.7	1.582	2.571	6.3	20.8	8 9	20 12.43	-15 20.2	1.937	2.927	5.3	21.5
8 19	20 6.17	-23 1.6	1.632	2.573	10.5	21.1	8 19	20 3.92	-15 41.3	1.963	2.902	9.0	21.7
8 29	20 1.16	-23 23.8	1.705	2.575	14.1	21.3	8 29	19 57.18	-15 59.6	2.013	2.877	12.5	21.9
<b>395246</b>	2010 <i>OJ</i> <sub>6</sub>		7 26.8 351°42	1°0/26.2	15		<b>521630</b>	2015 <i>PE</i> <sub>323</sub>		7 26.8 196°32	0°4/26.5	18	
6 20	20 43.20	-18 17.7	1.444	2.320	16.2	19.9	6 20	20 47.37	-17 48.5	2.571	3.408	11.2	22.2
6 30	20 41.12	-19 0.1	1.370	2.311	12.4	19.6	6 30	20 43.12	-18 28.1	2.487	3.407	8.6	22.0
7 10	20 36.54	-19 54.4	1.316	2.303	8.1	19.4	7 10	20 37.24	-19 14.4	2.427	3.405	5.5	21.8
7 20	20 30.01	-20 55.8	1.284	2.296	3.3	19.1	7 20	20 30.17	-20 4.4	2.394	3.404	2.2	21.6
7 30	20 22.54	-21 57.8	1.277	2.290	2.2	19.0	7 30	20 22.54	-20 54.7	2.389	3.402	1.3	21.5
8 9	20 15.35	-22 54.0	1.294	2.286	7.0	19.3	8 9	20 15.07	-21 41.7	2.412	3.400	4.6	21.8
8 19	20 9.60	-23 39.5	1.334	2.283	11.6	19.5	8 19	20 8.46	-22 22.7	2.463	3.397	7.7	22.0
8 29	20 6.26	-24 11.5	1.395	2.281	15.6	19.8	8 29	20 3.31	-22 55.9	2.540	3.395	10.5	22.1
<b>108286</b>	2001 <i>HQ</i> <sub>61</sub>		7 26.8 353°25	3°1/28.3	18		<b>310638</b>	2002 <i>CS</i> <sub></sub>					

EPHEMERIDES

7 26.8

7 26.8

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>85001</b>	2003 YP <sub>128</sub>		7 26.8 232°05	4.0°/24.5 17			<b>220248</b>	2002 XU <sub>67</sub>		7 26.8 227°41	1.3°/27.5 18		
6 20	20 55.41	-26 54.5	1.844	2.696	14.2	21.3	6 20	20 51.92	-14 1.1	1.917	2.751	14.5	21.5
6 30	20 50.20	-27 47.5	1.759	2.685	11.1	21.1	6 30	20 47.18	-14 16.2	1.827	2.742	11.4	21.3
7 10	20 42.35	-28 43.3	1.696	2.673	7.5	20.8	7 10	20 40.21	-14 42.2	1.759	2.732	7.6	21.1
7 20	20 32.43	-29 35.6	1.658	2.661	4.5	20.6	7 20	20 31.51	-15 16.8	1.715	2.722	3.6	20.8
7 30	20 21.44	-30 17.9	1.647	2.648	4.7	20.6	7 30	20 21.93	-15 56.5	1.698	2.712	1.7	20.6
8 9	20 10.66	-30 45.4	1.663	2.634	8.0	20.8	8 9	20 12.52	-16 37.3	1.709	2.700	5.7	20.9
8 19	20 1.31	-30 56.1	1.703	2.620	11.7	21.0	8 19	20 4.27	-17 15.4	1.746	2.689	9.8	21.1
8 29	19 54.39	-30 51.0	1.766	2.605	15.1	21.2	8 29	19 58.06	-17 48.1	1.807	2.677	13.4	21.3
<b>481059</b>	2005 MW <sub>29</sub>		7 26.8 334°25	2°9/27.8 18			<b>321914</b>	2010 TF <sub>39</sub>		7 26.8 253°21	0°7/26.4 18		
6 20	20 49.93	-13 47.9	1.717	2.561	15.5	20.6	6 20	20 50.79	-21 19.0	2.418	3.258	11.7	21.4
6 30	20 45.81	-13 7.9	1.631	2.550	12.3	20.3	6 30	20 45.80	-21 19.4	2.332	3.253	9.0	21.2
7 10	20 39.35	-12 35.7	1.567	2.539	8.5	20.1	7 10	20 39.02	-21 22.6	2.268	3.247	5.8	21.0
7 20	20 31.15	-12 11.4	1.526	2.529	4.6	19.8	7 20	20 30.93	-21 26.1	2.231	3.241	2.4	20.8
7 30	20 22.09	-11 54.2	1.510	2.520	3.1	19.7	7 30	20 22.27	-21 27.8	2.223	3.236	1.5	20.7
8 9	20 13.31	-11 42.9	1.521	2.512	6.3	19.9	8 9	20 13.85	-21 25.7	2.242	3.230	4.9	20.9
8 19	20 5.82	-11 35.8	1.556	2.504	10.4	20.1	8 19	20 6.44	-21 18.7	2.289	3.224	8.2	21.1
8 29	20 0.52	-11 31.1	1.614	2.496	14.1	20.3	8 29	20 0.71	-21 6.7	2.360	3.218	11.1	21.3
<b>358823</b>	2008 EZ <sub>150</sub>		7 26.8 140°25	2°0/28.3 18			<b>161525</b>	2004 TH <sub>44</sub>		7 26.8 0°97	1.4°/26.3 17		
6 20	20 47.55	-11 4.4	2.405	3.225	12.4	21.5	6 20	20 49.24	-21 2.2	1.006	1.899	20.2	19.6
6 30	20 43.26	-11 16.4	2.325	3.229	9.7	21.3	6 30	20 46.68	-21 10.5	0.947	1.896	15.6	19.3
7 10	20 37.32	-11 38.6	2.267	3.233	6.7	21.1	7 10	20 40.60	-21 27.1	0.905	1.895	10.2	19.0
7 20	20 30.21	-12 9.3	2.235	3.237	3.6	20.9	7 20	20 31.82	-21 47.0	0.883	1.895	4.2	18.7
7 30	20 22.56	-12 46.3	2.231	3.241	2.1	20.8	7 30	20 21.84	-22 4.0	0.882	1.896	2.7	18.6
8 9	20 15.13	-12 26.4	2.255	3.245	4.6	21.0	8 9	20 12.51	-22 12.8	0.903	1.898	8.6	19.0
8 19	20 8.62	-14 6.6	2.306	3.248	7.7	21.2	8 19	20 5.46	-22 11.0	0.945	1.901	14.2	19.3
8 29	20 3.63	-14 44.1	2.382	3.251	10.6	21.4	8 29	20 1.80	-21 58.4	1.004	1.906	19.0	19.6
<b>120945</b>	1998 TJ <sub>26</sub>		7 26.8 302°21	3°3/24.6 18			<b>31462</b>	Brchnelova		7 26.8 159°17	1°8/25.9 18		
6 20	20 49.36	-27 31.0	2.251	3.104	12.0	19.8	6 20	20 54.70	-20 36.8	1.526	2.383	16.4	18.9
6 30	20 45.01	-28 9.0	2.168	3.095	9.2	19.7	6 30	20 49.80	-21 18.5	1.456	2.387	12.6	18.7
7 10	20 38.66	-28 47.8	2.109	3.086	6.3	19.5	7 10	20 42.12	-22 8.2	1.408	2.390	8.2	18.4
7 20	20 30.82	-29 23.0	2.075	3.077	3.8	19.3	7 20	20 32.35	-23 0.5	1.383	2.393	3.5	18.1
7 30	20 22.26	-29 50.2	2.068	3.068	3.9	19.3	7 30	20 21.61	-23 48.8	1.384	2.396	2.7	18.1
8 9	20 13.94	-30 6.3	2.088	3.060	6.6	19.4	8 9	20 11.30	-24 27.5	1.412	2.398	7.3	18.4
8 19	20 6.72	-30 10.1	2.134	3.051	9.6	19.6	8 19	20 2.68	-24 53.6	1.463	2.400	11.7	18.6
8 29	20 1.35	-30 1.9	2.203	3.043	12.4	19.8	8 29	19 56.73	-25 6.7	1.537	2.401	15.6	18.9
<b>83009</b>	2001 QH <sub>164</sub>		7 26.8 331°24	9°8/23.1 17			<b>202693</b>	2007 EC <sub>120</sub>		7 26.8 339°24	12°7/19.5 18		
6 20	20 54.22	-37 33.7	1.231	2.108	18.3	18.6	6 20	20 50.42	-41 40.4	1.238	2.115	18.2	19.5
6 30	20 50.77	-38 29.6	1.161	2.092	15.1	18.4	6 30	20 48.16	-43 28.5	1.177	2.099	15.6	19.3
7 10	20 43.45	-39 17.2	1.110	2.076	11.9	18.1	7 10	20 41.96	-45 6.9	1.135	2.085	13.5	19.2
7 20	20 33.05	-39 45.6	1.079	2.062	9.9	18.0	7 20	20 32.54	-46 22.0	1.112	2.071	12.7	19.1
7 30	20 21.18	-39 45.0	1.070	2.048	10.5	18.0	7 30	20 21.49	-47 1.9	1.110	2.059	13.7	19.1
8 9	20 9.93	-39 11.3	1.081	2.035	13.3	18.1	8 9	20 10.99	-47 1.0	1.128	2.048	16.1	19.2
8 19	20 1.15	-38 7.0	1.113	2.024	16.9	18.3	8 19	20 3.01	-46 20.9	1.163	2.039	19.0	19.3
8 29	19 56.13	-36 39.0	1.163	2.014	20.5	18.5	8 29	19 58.93	-45 8.6	1.214	2.031	21.8	19.5
<b>387776</b>	2003 UM <sub>29</sub>		7 26.8 264°96	6°6/22.6 18			<b>235193</b>	2003 SE <sub>134</sub>		7 26.8 338°85	1°3/27.4 18		
6 20	20 54.87	-34 57.8	2.016	2.866	13.3	21.6	6 20	20 49.48	-15 34.2	1.576	2.431	16.1	20.6
6 30	20 49.81	-36 2.3	1.932	2.849	10.7	21.4	6 30	20 45.67	-15 29.7	1.499	2.425	12.6	20.3
7 10	20 42.11	-37 3.7	1.871	2.832	8.2	21.2	7 10	20 39.38	-15 35.0	1.441	2.420	8.4	20.1
7 20	20 32.34	-37 54.8	1.834	2.815	6.7	21.1	7 20	20 31.22	-15 48.3	1.407	2.415	3.9	19.8
7 30	20 21.51	-38 28.9	1.824	2.798	7.2	21.1	7 30	20 22.17	-16 6.5	1.398	2.411	1.9	19.7
8 9	20 10.90	-38 41.9	1.839	2.781	9.5	21.2	8 9	20 13.43	-16 25.9	1.414	2.407	6.3	19.9
8 19	20 1.72	-38 33.2	1.878	2.763	12.4	21.3	8 19	20 6.13	-16 43.4	1.454	2.404	10.7	20.2
8 29	19 54.98	-38 5.3	1.938	2.745	15.1	21.5	8 29	20 1.18	-16 56.8	1.517	2.401	14.7	20.4
<b>475617</b>	2006 UM <sub>167</sub>		7 26.8 319°61	0°4/26.5 18			<b>151399</b>	2002 EU <sub>90</sub>		7 26.8 19°23	2°0/28.1 18		
6 20	20 48.39	-18 15.0	1.938	2.788	13.7	21.7	6 20	20 46.40	-11 47.2	1.952	2.789	14.2	19.3
6 30	20 44.43	-18 42.7	1.857	2.783	10.6	21.4	6 30	20 42.77	-12 0.4	1.878	2.792	11.1	19.1
7 10	20 38.36	-19 18.4	1.798	2.779	6.9	21.2	7 10	20 37.21	-12 25.7	1.825	2.796	7.6	18.9
7 20	20 30.71	-19 58.7	1.764	2.774	2.8	20.9	7 20	20 30.24	-13 1.0	1.796	2.801	3.9	18.7
7 30	20 22.32	-20 39.3	1.757	2.770	1.5	20.8	7 30	20 22.65	-13 43.2	1.794	2.805	2.2	18.6
8 9	20 14.16	-21 16.3	1.776	2.766	5.7	21.1	8 9	20 15.33	-14 28.4	1.818	2.810	5.3	18.8
8 19	20 7.17	-21 46.5	1.821	2.762	9.6	21.3	8 19	20 9.12	-15 12.7	1.869	2.816	8.9	19.0
8 29	20 2.14	-22 8.2	1.890	2.758	13.0	21.5	8 29	20 4.73	-15 53.0	1.943	2.822	12.2	19.2
<b>156589</b>	2002 GT <sub>51</sub>		7 26.8 213°71	1°3/25.8 18			<b>472869</b>	2015 FB <sub>299</sub>		7 26.8 259°41	3°3/24.6 18		
6 20	20 49.02	-21 47.4	2.694	3.533	10.7	21.2	6 20	20 51.44	-24 14.3	1.886	2.742	13.8	20.8
6 30	20 44.34	-22 17.5	2.606	3.527	8.1	21.0	6 30	20 47.12	-25 19.3	1.798	2.728	10.7	20.5
7 10	20 38.02	-22 51.2	2.542	3.521	5.3	20.8	7 10	20 40.35	-26 30.3	1.733	2.714	7.1	20.3
7 20	20 30.51	-23 25.5	2.506	3.515	2.3	20.6	7 20	20 31.66	-27 41.5	1.694	2.699	3.9	20.1
7 30	20 22.43	-23 57.3	2.498	3.508	1.9	20.5	7 30	20 21.93	-28 46.1	1.681	2.685	4.1	20.0
8 9	20 14.51	-24 23.8	2.518	3.501	4.8	20.7	8 9	20 12.31	-29 38.3	1.695	2.670	7.5	20.2
8 19	20 7.45	-24 43.2	2.566	3.494	7.8	20.9	8 19	20 3.94	-30 14.9	1.734	2.655	11.3	20.4
8 29	20 1.86	-24 54.6	2.639	3.486	10.4	21.1	8 29	19 57.79	-30 35.1	1.796	2.640	14.6	20.6
<b>366084</b>	2012 CB <sub>44</sub>		7 26.8 233°59	2°1/28.2 18			<b>514271</b>	2015 RA <sub>87</sub>		7 26.8 303°40	2°2/27.9 18		
6 20	20 47.5												

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>162506</b>	2000 <i>QC</i> <sub>49</sub>		7 26.8 293°25	0°7/27.1	18		<b>25560</b>	Chaihaoxi		7 26.8 250°47	3°9/24.5	18	
6 20	20 50.58	-15 43.9	1.362	2.225	17.8	20.0	6 20	20 53.92	-25 40.8	1.770	2.627	14.6	18.7
6 30	20 47.26	-15 59.2	1.268	2.200	14.0	19.7	6 30	20 49.24	-26 43.8	1.683	2.612	11.3	18.4
7 10	20 40.93	-16 28.3	1.194	2.175	9.4	19.4	7 10	20 41.87	-27 51.9	1.617	2.596	7.6	18.2
7 20	20 32.06	-17 8.6	1.141	2.151	4.1	19.0	7 20	20 32.34	-28 58.6	1.576	2.580	4.5	17.9
7 30	20 21.70	-17 55.3	1.112	2.126	1.8	18.8	7 30	20 21.64	-29 56.5	1.562	2.564	4.7	17.9
8 9	20 11.31	-18 42.2	1.107	2.101	7.5	19.1	8 9	20 11.06	-30 39.7	1.574	2.547	8.2	18.1
8 19	20 2.42	-19 23.7	1.126	2.077	13.0	19.3	8 19	20 1.87	-31 5.3	1.611	2.529	12.1	18.3
8 29	19 56.34	-19 56.3	1.164	2.052	17.9	19.5	8 29	19 55.14	-31 13.4	1.669	2.511	15.7	18.5
<b>370002</b>	1999 <i>TP</i> <sub>140</sub>		7 26.8 297°94	5°3/24.5	18		<b>282242</b>	2002 <i>DM</i> <sub>8</sub>		7 26.8 190°77	3°0/24.5	18	
6 20	20 53.62	-28 23.1	1.395	2.268	16.8	21.0	6 20	20 52.79	-24 14.8	2.242	3.086	12.3	21.6
6 30	20 49.76	-29 9.2	1.310	2.247	13.2	20.7	6 30	20 47.67	-25 26.1	2.162	3.085	9.5	21.4
7 10	20 42.60	-29 57.6	1.245	2.226	9.2	20.4	7 10	20 40.46	-26 42.1	2.106	3.083	6.3	21.2
7 20	20 32.74	-30 40.7	1.202	2.205	5.8	20.2	7 20	20 31.64	-27 57.2	2.076	3.081	3.5	21.1
7 30	20 21.40	-31 10.1	1.183	2.184	6.1	20.1	7 30	20 22.02	-29 5.5	2.075	3.078	3.7	21.1
8 9	20 10.27	-31 19.9	1.188	2.163	9.9	20.3	8 9	20 12.56	-30 2.2	2.103	3.074	6.6	21.3
8 19	20 0.95	-31 8.5	1.215	2.143	14.4	20.5	8 19	20 4.20	-30 44.5	2.157	3.069	9.8	21.4
8 29	19 54.77	-30 38.0	1.261	2.122	18.6	20.7	8 29	19 57.74	-31 11.9	2.235	3.065	12.6	21.6
<b>342657</b>	2008 <i>VW</i> <sub>3</sub>		7 26.8 226°49	2°3/25.4	18		<b>4956</b>	Noymer		7 26.8 312°90	13°2/ 5.5	18	
6 20	20 53.86	-24 52.6	2.388	3.228	11.8	22.2	6 20	20 44.45	+13 24.1	1.499	2.238	22.0	17.0
6 30	20 48.34	-25 20.3	2.295	3.216	9.1	22.0	6 30	20 42.17	+13 49.7	1.404	2.216	20.0	16.8
7 10	20 40.81	-25 49.9	2.226	3.203	6.0	21.7	7 10	20 37.39	+13 40.3	1.322	2.194	17.7	16.5
7 20	20 31.75	-26 17.7	2.183	3.190	3.0	21.5	7 20	20 30.54	+12 49.0	1.257	2.173	15.3	16.3
7 30	20 21.93	-26 39.7	2.169	3.176	2.8	21.5	7 30	20 22.48	+11 12.0	1.212	2.152	13.6	16.2
8 9	20 12.29	-26 53.2	2.183	3.161	5.8	21.7	8 9	20 14.40	+ 8 51.9	1.188	2.132	13.4	16.1
8 19	20 3.71	-26 56.6	2.225	3.146	9.1	21.8	8 19	20 7.52	+ 5 57.5	1.187	2.112	14.9	16.1
8 29	19 56.94	-26 50.2	2.290	3.130	12.0	22.0	8 29	20 2.95	+ 2 43.0	1.207	2.093	17.6	16.2
<b>245319</b>	2005 <i>ES</i> <sub>73</sub>		7 26.8 208°72	3°2/24.9	18		<b>481634</b>	2007 <i>VE</i> <sub>33</sub>		7 26.8 312°08	3°7/28.4	16	
6 20	20 52.83	-26 40.8	2.116	2.966	12.8	21.0	6 20	20 48.25	-10 48.7	1.643	2.484	16.2	21.7
6 30	20 47.75	-27 18.3	2.037	2.963	9.8	20.8	6 30	20 44.83	-10 24.4	1.546	2.460	13.1	21.5
7 10	20 40.50	-27 56.9	1.982	2.959	6.6	20.6	7 10	20 38.97	-10 12.1	1.468	2.437	9.3	21.2
7 20	20 31.62	-28 32.0	1.951	2.955	3.7	20.5	7 20	20 31.16	-10 12.2	1.413	2.414	5.5	20.9
7 30	20 22.00	-28 58.9	1.949	2.951	3.8	20.5	7 30	20 22.25	-10 23.6	1.383	2.391	3.8	20.7
8 9	20 12.68	-29 14.4	1.973	2.947	6.7	20.6	8 9	20 13.40	-10 43.7	1.378	2.368	6.8	20.9
8 19	20 4.60	-29 17.3	2.024	2.942	10.0	20.8	8 19	20 5.76	-11 9.0	1.397	2.347	11.1	21.1
8 29	19 58.56	-29 8.1	2.097	2.938	12.9	21.0	8 29	20 0.33	-11 35.9	1.438	2.325	15.1	21.3
<b>411176</b>	2010 <i>FU</i> <sub>54</sub>		7 26.8 10°62	1°9/27.6	17		<b>501945</b>	2014 <i>YR</i> <sub>2</sub>		7 26.8 242°47	1°3/27.6	17	
6 20	20 48.71	-13 59.4	1.040	1.919	20.8	21.0	6 20	20 52.47	-13 16.1	1.744	2.581	15.6	22.0
6 30	20 46.05	-14 2.7	0.981	1.920	16.3	20.8	6 30	20 47.95	-13 41.1	1.651	2.567	12.3	21.8
7 10	20 40.09	-14 23.2	0.938	1.922	11.0	20.5	7 10	20 40.95	-14 19.8	1.578	2.552	8.3	21.5
7 20	20 31.62	-14 58.1	0.915	1.925	5.2	20.2	7 20	20 31.96	-15 9.8	1.529	2.537	3.9	21.2
7 30	20 22.00	-15 42.0	0.914	1.928	2.5	20.0	7 30	20 21.89	-16 6.6	1.507	2.521	1.8	21.0
8 9	20 12.95	-16 27.8	0.936	1.932	7.9	20.3	8 9	20 11.89	-17 4.8	1.512	2.504	6.2	21.3
8 19	20 5.98	-17 9.6	0.978	1.937	13.4	20.7	8 19	20 3.12	-17 59.6	1.543	2.487	10.7	21.5
8 29	20 2.20	-17 42.9	1.039	1.943	18.2	21.0	8 29	19 56.60	-18 47.0	1.596	2.469	14.7	21.7
<b>175489</b>	2006 <i>RF</i> <sub>40</sub>		7 26.8 9°51	2°7/25.6	18		<b>238991</b>	2006 <i>BB</i> <sub>253</sub>		7 26.8 200°88	0°4/27.1	17	
6 20	20 47.57	-21 22.7	1.086	1.977	19.2	19.2	6 20	20 51.77	-16 16.7	2.203	3.035	13.0	22.4
6 30	20 45.18	-22 9.2	1.029	1.978	14.7	19.0	6 30	20 46.77	-16 36.7	2.116	3.031	10.0	22.2
7 10	20 39.53	-23 5.7	0.991	1.980	9.6	18.7	7 10	20 39.80	-17 4.7	2.052	3.027	6.6	22.0
7 20	20 31.38	-24 5.0	0.973	1.984	4.3	18.4	7 20	20 31.37	-17 38.0	2.013	3.022	2.8	21.7
7 30	20 22.12	-24 58.5	0.977	1.988	3.8	18.4	7 30	20 22.22	-18 13.3	2.003	3.017	1.2	21.6
8 9	20 13.47	-25 38.8	1.004	1.994	8.8	18.7	8 9	20 13.27	-18 47.1	2.021	3.011	5.1	21.8
8 19	20 6.91	-26 2.2	1.052	2.001	13.9	19.0	8 19	20 5.38	-19 16.7	2.067	3.005	8.7	22.1
8 29	20 3.51	-26 8.4	1.118	2.009	18.3	19.3	8 29	19 59.28	-19 40.2	2.136	2.998	11.9	22.3
<b>354437</b>	2003 <i>YW</i> <sub>36</sub>		7 26.8 198°09	2°5/24.9	18		<b>206555</b>	2003 <i>UP</i> <sub>250</sub>		7 26.8 211°90	4°3/24.1	18	
6 20	20 50.80	-23 58.0	2.305	3.151	12.0	21.6	6 20	20 53.99	-30 19.2	2.271	3.117	12.2	21.0
6 30	20 46.05	-24 52.8	2.224	3.149	9.2	21.4	6 30	20 48.60	-31 4.4	2.191	3.112	9.5	20.8
7 10	20 39.33	-25 51.5	2.168	3.146	6.0	21.2	7 10	20 41.05	-31 48.5	2.134	3.106	6.7	20.6
7 20	20 31.14	-26 49.5	2.137	3.143	3.1	21.1	7 20	20 31.89	-32 26.4	2.104	3.100	4.5	20.5
7 30	20 22.23	-27 41.8	2.135	3.140	3.2	21.0	7 30	20 21.98	-32 53.1	2.101	3.093	4.8	20.5
8 9	20 13.52	-28 24.5	2.161	3.136	6.1	21.2	8 9	20 12.33	-33 5.6	2.125	3.086	7.2	20.6
8 19	20 5.86	-28 55.3	2.213	3.132	9.2	21.4	8 19	20 3.90	-33 3.3	2.175	3.079	10.1	20.8
8 29	19 59.99	-29 13.6	2.289	3.127	12.1	21.6	8 29	19 57.49	-32 47.3	2.248	3.071	12.8	20.9
<b>517971</b>	2015 <i>TZ</i> <sub>366</sub>		7 26.8 247°63	2°3/28.6	18		<b>250018</b>	2002 <i>AQ</i> <sub>126</sub>		7 26.8 342°58	1°5/27.5	18	
6 20	20 45.57	- 9 39.7	2.786	3.598	11.1	21.8	6 20	20 49.67	-15 47.4	1.862	2.706	14.5	19.8
6 30	20 41.62	- 9 49.7	2.693	3.590	8.8	21.6	6 30	20 45.44	-15 29.3	1.780	2.701	11.3	19.6
7 10	20 36.24	-10 9.5	2.622	3.583	6.2	21.4	7 10	20 39.05	-15 18.4	1.720	2.697	7.6	19.4
7 20	20 29.81	-10 37.8	2.577	3.576	3.6	21.3	7 20	20 31.07	-15 13.5	1.685	2.692	3.6	19.1
7 30	20 22.87	-11 12.9	2.560	3.568	2.3	21.2	7 30	20 22.37	-15 12.8	1.676	2.688	1.9	19.0
8 9	20 16.05	-11 52.3	2.572	3.560	4.3	21.3	8 9	20 13.96	-15 14.0	1.693	2.685	5.6	19.2
8 19	20 9.96	-12 33.1	2.611	3.552	7.0	21.5	8 19	20 6.79	-15 15.2	1.736	2.682	9.5	19.5
8 29	20 5.13	-13 12.9	2.676	3.545	9.6	21.6	8 29	20 1.63	-15 15.0	1.801	2.679	13.0	19.7
<b>125352</b>	2001 <i>VB</i> <sub>60</sub>		7 26.8 299°35	2°9/25.7	17		<b>344661</b>	2003 <i>SB</i> <sub>72</sub>		7 26.8			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>248481</b>	2005 <i>UB</i> <sub>211</sub>	7 26.8 355°09		2°3/25.6 18			<b>139894</b>	2001 <i>RS</i> <sub>94</sub>	7 26.8 267°06		0°7/27.2 18		
6 20	20 43.70	-21 46.8	1.361	2.245	16.5	19.5	6 20	20 49.93	-16 25.9	2.099	2.938	13.3	19.7
6 30	20 41.71	-22 24.8	1.292	2.237	12.6	19.3	6 30	20 45.46	-16 28.6	2.013	2.931	10.3	19.5
7 10	20 37.05	-23 10.7	1.243	2.231	8.2	19.0	7 10	20 38.99	-16 38.5	1.949	2.925	6.8	19.3
7 20	20 30.36	-23 59.1	1.216	2.227	3.7	18.7	7 20	20 31.06	-16 53.6	1.910	2.919	3.0	19.0
7 30	20 22.71	-24 43.4	1.213	2.224	3.2	18.7	7 30	20 22.42	-17 11.2	1.898	2.912	1.3	18.9
8 9	20 15.43	-25 18.0	1.234	2.223	7.7	18.9	8 9	20 14.01	-17 28.6	1.914	2.905	5.2	19.2
8 19	20 9.74	-25 39.3	1.277	2.223	12.2	19.2	8 19	20 6.68	-17 43.5	1.956	2.899	8.9	19.4
8 29	20 6.62	-25 46.4	1.340	2.225	16.2	19.4	8 29	20 1.18	-17 54.3	2.023	2.892	12.2	19.6
<b>474993</b>	2005 <i>TP</i> <sub>130</sub>	7 26.8 232°59		0°1/26.9 18			<b>386295</b>	2008 <i>RN</i> <sub>140</sub>	7 26.8 299°09		3°2/27.8 18		
6 20	20 48.60	-17 27.0	2.582	3.416	11.2	22.4	6 20	20 53.91	-13 54.4	1.648	2.488	16.3	20.8
6 30	20 44.11	-17 47.0	2.490	3.407	8.7	22.2	6 30	20 49.09	-13 4.6	1.558	2.473	12.9	20.6
7 10	20 37.96	-18 13.2	2.421	3.398	5.7	22.0	7 10	20 41.68	-12 21.7	1.487	2.458	9.0	20.3
7 20	20 30.59	-18 43.3	2.379	3.388	2.4	21.8	7 20	20 32.27	-11 46.0	1.441	2.444	5.0	20.1
7 30	20 22.61	-19 14.3	2.364	3.378	1.1	21.7	7 30	20 21.84	-11 17.4	1.420	2.429	3.4	19.9
8 9	20 14.77	-19 43.6	2.379	3.368	4.5	21.9	8 9	20 11.64	-10 55.2	1.426	2.415	6.8	20.1
8 19	20 7.78	-20 8.9	2.421	3.358	7.7	22.1	8 19	20 2.83	-10 38.3	1.456	2.401	11.1	20.3
8 29	20 2.27	-20 28.7	2.488	3.347	10.6	22.3	8 29	19 56.40	-10 25.3	1.509	2.388	15.1	20.5
<b>207500</b>	2006 <i>HC</i> <sub>111</sub>	7 26.8 43°55		1°3/27.5 17			<b>10846</b>	1995 <i>AW</i> <sub>2</sub>	7 26.8 96°26		3°5/28.4 18		
6 20	20 49.84	-13 10.8	1.177	2.044	19.7	19.8	6 20	20 54.46	-10 55.9	1.453	2.292	18.1	17.5
6 30	20 46.51	-13 43.8	1.121	2.054	15.3	19.6	6 30	20 49.45	-10 39.0	1.391	2.305	14.3	17.2
7 10	20 40.18	-14 34.9	1.084	2.065	10.2	19.3	7 10	20 41.80	-10 36.6	1.348	2.318	10.0	17.0
7 20	20 31.63	-15 39.7	1.068	2.077	4.6	19.0	7 20	20 32.25	-10 47.5	1.328	2.330	5.6	16.8
7 30	20 22.14	-16 51.0	1.075	2.089	2.0	18.9	7 30	20 21.93	-11 9.1	1.333	2.343	3.6	16.7
8 9	20 13.24	-18 0.5	1.106	2.101	7.3	19.3	8 9	20 12.16	-11 37.4	1.364	2.355	6.9	16.9
8 19	20 6.26	-19 1.8	1.160	2.114	12.4	19.6	8 19	20 4.08	-12 8.2	1.419	2.367	11.1	17.2
8 29	20 2.18	-19 50.9	1.234	2.127	16.7	19.9	8 29	19 58.58	-12 37.8	1.495	2.378	14.9	17.5
<b>423962</b>	2006 <i>UD</i> <sub>115</sub>	7 26.8 176°12		2°5/28.3 17			<b>52015</b>	2002 <i>NG</i> <sub>17</sub>	7 26.8 293°79		13°2/ 4.5 18		
6 20	20 52.86	-10 54.5	2.014	2.833	14.5	22.5	6 20	20 47.48	+13 20.3	1.611	2.337	21.1	18.6
6 30	20 47.69	-10 59.8	1.932	2.836	11.4	22.3	6 30	20 44.51	+13 49.8	1.503	2.306	19.3	18.4
7 10	20 40.43	-11 17.0	1.873	2.838	7.9	22.1	7 10	20 38.99	+13 47.0	1.410	2.276	17.1	18.1
7 20	20 31.64	-11 44.5	1.838	2.839	4.3	21.9	7 20	20 31.31	+13 4.7	1.334	2.245	14.9	17.9
7 30	20 22.13	-12 19.6	1.830	2.840	2.6	21.8	7 30	20 22.26	+11 38.2	1.278	2.214	13.4	17.7
8 9	20 12.87	-12 58.7	1.851	2.840	5.5	21.9	8 9	20 13.00	+9 28.6	1.244	2.183	13.3	17.6
8 19	20 4.78	-13 38.4	1.898	2.839	9.2	22.2	8 19	20 4.78	+6 43.0	1.233	2.152	15.0	17.7
8 29	19 58.62	-14 15.3	1.969	2.838	12.5	22.4	8 29	19 58.81	+3 34.1	1.245	2.121	17.8	17.7
<b>425885</b>	2011 <i>FA</i> <sub>34</sub>	7 26.8 43°24		0°3/26.7 17			<b>68698</b>	2002 <i>CG</i> <sub>183</sub>	7 26.8 354°51		0°3/26.7 18		
6 20	20 49.70	-16 58.2	1.431	2.294	17.0	20.5	6 20	20 47.19	-18 33.7	1.715	2.575	14.8	18.9
6 30	20 45.92	-17 34.5	1.375	2.308	13.0	20.3	6 30	20 43.78	-18 49.7	1.640	2.571	11.4	18.6
7 10	20 39.54	-18 22.2	1.339	2.322	8.4	20.0	7 10	20 38.11	-19 13.6	1.585	2.568	7.4	18.4
7 20	20 31.30	-19 16.4	1.326	2.337	3.4	19.8	7 20	20 30.75	-19 42.1	1.555	2.565	3.0	18.1
7 30	20 22.31	-20 11.0	1.338	2.352	1.7	19.7	7 30	20 22.62	-20 11.3	1.550	2.564	1.6	18.0
8 9	20 13.86	-21 0.1	1.375	2.367	6.6	20.1	8 9	20 14.79	-20 37.0	1.571	2.563	6.0	18.3
8 19	20 7.08	-21 39.8	1.437	2.383	11.1	20.4	8 19	20 8.27	-20 56.6	1.616	2.562	10.1	18.5
8 29	20 2.79	-22 8.0	1.519	2.400	14.9	20.6	8 29	20 3.89	-21 8.4	1.684	2.563	13.8	18.8
<b>106774</b>	2000 <i>XM</i> <sub>16</sub>	7 26.8 262°15		2°5/25.5 18			<b>344710</b>	2003 <i>TT</i> <sub>54</sub>	7 26.8 281°52		0°5/27.1 18		
6 20	20 52.27	-26 11.6	2.241	3.089	12.2	19.9	6 20	20 49.43	-15 28.8	1.904	2.747	14.3	21.6
6 30	20 47.16	-26 25.5	2.161	3.085	9.4	19.7	6 30	20 45.49	-15 55.0	1.805	2.726	11.1	21.4
7 10	20 40.03	-26 39.6	2.104	3.082	6.2	19.5	7 10	20 39.29	-16 32.2	1.727	2.705	7.4	21.1
7 20	20 31.45	-26 50.4	2.073	3.079	3.2	19.3	7 20	20 31.30	-17 17.9	1.674	2.683	3.2	20.8
7 30	20 22.24	-26 54.5	2.069	3.076	3.0	19.3	7 30	20 22.32	-18 7.9	1.648	2.662	1.4	20.6
8 9	20 13.35	-26 49.8	2.093	3.073	5.9	19.5	8 9	20 13.38	-18 57.4	1.648	2.640	5.8	20.9
8 19	20 5.64	-26 35.8	2.144	3.069	9.2	19.7	8 19	20 5.50	-19 42.5	1.675	2.618	10.1	21.1
8 29	19 59.84	-26 13.2	2.218	3.066	12.1	19.9	8 29	19 59.63	-20 20.0	1.724	2.596	13.8	21.2
<b>371556</b>	2006 <i>VK</i> <sub>30</sub>	7 26.8 242°44		1°3/26.2 17			<b>479019</b>	2012 <i>YL</i> <sub>3</sub>	7 26.8 311°01		6°6/23.2 16		
6 20	20 53.70	-20 43.0	1.776	2.627	14.8	22.2	6 20	20 52.41	-31 22.3	1.570	2.438	15.5	20.7
6 30	20 48.87	-21 9.5	1.689	2.615	11.4	21.9	6 30	20 48.87	-32 24.4	1.468	2.400	12.4	20.4
7 10	20 41.51	-21 42.7	1.623	2.604	7.5	21.7	7 10	20 42.15	-33 28.6	1.388	2.362	9.2	20.1
7 20	20 32.19	-22 18.4	1.581	2.591	3.2	21.4	7 20	20 32.72	-34 26.4	1.330	2.325	6.8	19.9
7 30	20 21.86	-22 51.6	1.567	2.579	2.2	21.3	7 30	20 21.62	-35 8.8	1.297	2.287	7.5	19.8
8 9	20 11.73	-23 18.0	1.579	2.566	6.6	21.5	8 9	20 10.41	-35 28.8	1.287	2.249	10.8	19.9
8 19	20 2.96	-23 35.0	1.616	2.552	10.9	21.8	8 19	20 0.70	-35 23.9	1.300	2.212	14.9	20.0
8 29	19 56.50	-23 41.7	1.676	2.538	14.6	22.0	8 29	19 53.92	-34 55.5	1.332	2.176	18.8	20.2
<b>123477</b>	2000 <i>WR</i> <sub>161</sub>	7 26.8 190°37		5°5/30.7 18			<b>466318</b>	2013 <i>QT</i> <sub>70</sub>	7 26.8 18°96		3°5/25.6 17		
6 20	20 49.85	- 0 48.2	2.432	3.202	13.6	20.3	6 20	20 52.39	-25 0.6	1.151	2.035	18.8	20.7
6 30	20 45.06	- 0 34.3	2.342	3.201	11.4	20.2	6 30	20 48.77	-25 24.6	1.095	2.039	14.5	20.5
7 10	20 38.58	- 0 35.5	2.273	3.199	8.9	20.0	7 10	20 41.81	-25 51.9	1.058	2.044	9.6	20.2
7 20	20 30.85	- 0 52.4	2.228	3.196	6.6	19.9	7 20	20 32.37	-26 15.8	1.041	2.050	4.8	20.0
7 30	20 22.52	- 1 24.4	2.210	3.193	5.5	19.8	7 30	20 21.94	-26 29.8	1.048	2.057	4.3	20.0
8 9	20 14.34	- 2 9.1	2.220	3.189	6.4	19.8	8 9	20 12.24	-26 29.5	1.077	2.065	8.9	20.2
8 19	20 7.04	- 3 2.7	2.256	3.185	8.6	20.0	8 19	20 4.76	-26 14.5	1.128	2.073	13.6	20.5
8 29	20 1.24	- 4 1.2	2.318	3.180	11.1	20.1	8 29	20 0.50	-25 46.6	1.199	2.082	17.8	20.8
<b>474620</b>	2004 <i>TH</i> <sub>149</sub>	7 26.8 290°80		0°7/27.2 18			<b>28270</b>	1999 <i>CS</i> <sub>14</sub>	7 26.8 299°12		0°9		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>150648</b>	2001 <i>DA</i> <sub>74</sub>	7 26.8 133°07		3°7/30.2 18			<b>442316</b>	2011 <i>SM</i> <sub>111</sub>	7 26.8 345°54		1°7/27.6 18		
6 20	20 46.70	— 3 33.9	2.882	3.662	11.5	20.7	6 20	20 47.99	—15 6.0	1.528	2.386	16.4	20.3
6 30	20 42.35	— 3 45.4	2.802	3.673	9.4	20.6	6 30	20 44.67	—14 55.2	1.450	2.378	12.8	20.0
7 10	20 36.67	— 4 9.2	2.746	3.685	7.0	20.4	7 10	20 38.87	—14 54.6	1.392	2.371	8.7	19.8
7 20	20 30.05	— 4 44.8	2.714	3.695	4.8	20.3	7 20	20 31.17	—15 2.7	1.357	2.365	4.1	19.5
7 30	20 23.02	— 5 30.3	2.711	3.706	3.7	20.3	7 30	20 22.58	—15 16.7	1.346	2.360	2.1	19.4
8 9	20 16.18	— 6 23.2	2.736	3.716	4.7	20.3	8 9	20 14.28	—15 33.3	1.361	2.355	6.4	19.6
8 19	20 10.08	— 7 20.0	2.790	3.725	6.9	20.5	8 19	20 7.42	—15 49.3	1.399	2.351	10.8	19.9
8 29	20 5.21	— 8 17.7	2.869	3.735	9.1	20.7	8 29	20 2.91	—16 2.0	1.459	2.348	14.8	20.1
<b>172272</b>	2002 <i>TP</i> <sub>83</sub>	7 26.8 330°68		2°5/25.4 18			<b>6461</b>	Adam	7 26.8 252°69		10°4/ 3.1 17 A		
6 20	20 46.73	—21 29.8	1.507	2.380	15.8	19.3	6 20	20 50.43	+ 8 19.0	1.286	2.061	23.3	17.5
6 30	20 43.97	—22 21.7	1.426	2.365	12.2	19.1	6 30	20 47.17	+ 8 0.1	1.199	2.051	20.4	17.3
7 10	20 38.58	—23 22.8	1.365	2.351	8.0	18.8	7 10	20 40.92	+ 7 0.3	1.127	2.041	16.9	17.0
7 20	20 31.08	—24 27.8	1.327	2.337	3.7	18.5	7 20	20 32.20	+ 5 14.3	1.072	2.030	13.2	16.8
7 30	20 22.48	—25 29.3	1.314	2.324	3.4	18.5	7 30	20 22.04	+ 2 42.7	1.039	2.018	10.7	16.6
8 9	20 14.07	—26 20.8	1.326	2.312	7.7	18.7	8 9	20 11.89	— 0 25.4	1.031	2.007	11.0	16.6
8 19	20 7.11	—26 57.9	1.361	2.301	12.2	18.9	8 19	20 3.24	— 3 54.0	1.047	1.995	14.1	16.7
8 29	20 2.65	—27 19.2	1.417	2.290	16.2	19.1	8 29	19 57.39	— 7 24.6	1.086	1.983	18.2	16.9
<b>358955</b>	2008 <i>KS</i> <sub>26</sub>	7 26.8 107°52		3°8/29.7 18			<b>123381</b>	2000 <i>WK</i> <sub>57</sub>	7 26.8 164°06		4°7/23.4 18		
6 20	20 46.34	— 5 27.1	2.375	3.176	13.1	21.5	6 20	20 53.74	—29 22.1	2.160	3.008	12.6	19.3
6 30	20 42.43	— 5 32.4	2.291	3.178	10.6	21.3	6 30	20 48.57	—30 39.9	2.091	3.013	9.8	19.1
7 10	20 36.90	— 5 51.4	2.229	3.179	7.8	21.1	7 10	20 41.16	—31 58.3	2.045	3.017	6.9	19.0
7 20	20 30.19	— 6 23.5	2.192	3.181	5.1	20.9	7 20	20 32.07	—33 10.8	2.026	3.020	4.9	18.8
7 30	20 22.94	— 7 6.7	2.182	3.182	3.8	20.9	7 30	20 22.17	—34 11.2	2.035	3.023	5.3	18.9
8 9	20 15.87	— 7 57.9	2.199	3.184	5.3	21.0	8 9	20 12.54	—34 55.0	2.071	3.026	7.8	19.0
8 19	20 9.68	— 8 53.4	2.244	3.185	8.0	21.1	8 19	20 4.17	—35 20.9	2.132	3.028	10.6	19.2
8 29	20 4.96	— 9 49.3	2.313	3.187	10.7	21.3	8 29	19 57.87	—35 29.6	2.216	3.030	13.2	19.4
<b>21898</b>	1999 <i>VJ</i> <sub>7</sub>	7 26.8 255°43		3°9/23.9 18			<b>168814</b>	2000 <i>SX</i> <sub>219</sub>	7 26.8 302°49		4°9/24.2 18		
6 20	20 50.53	—29 36.1	2.496	3.343	11.2	18.5	6 20	20 50.98	—25 9.4	1.303	2.182	17.4	19.0
6 30	20 45.86	—30 24.6	2.410	3.332	8.7	18.3	6 30	20 47.86	—26 24.8	1.226	2.167	13.5	18.7
7 10	20 39.27	—31 13.0	2.347	3.320	6.1	18.1	7 10	20 41.49	—27 48.7	1.169	2.153	9.2	18.4
7 20	20 31.23	—31 56.7	2.311	3.307	4.1	18.0	7 20	20 32.45	—29 12.4	1.134	2.139	5.5	18.2
7 30	20 22.47	—32 31.2	2.302	3.295	4.4	18.0	7 30	20 21.94	—30 25.6	1.123	2.125	5.9	18.2
8 9	20 13.88	—32 53.4	2.321	3.283	6.7	18.1	8 9	20 11.64	—31 19.8	1.135	2.112	10.1	18.3
8 19	20 6.29	—33 2.0	2.366	3.270	9.4	18.3	8 19	20 3.15	—31 50.7	1.170	2.099	14.7	18.6
8 29	20 0.43	—32 57.5	2.434	3.257	11.9	18.4	8 29	19 57.79	—31 58.7	1.223	2.086	18.9	18.8
<b>476583</b>	2008 <i>RA</i> <sub>131</sub>	7 26.8 235°68		3°4/24.7 18			<b>351016</b>	2003 <i>QM</i> <sub>78</sub>	7 26.9 290°13		13°4/17.5 18		
6 20	20 53.93	—27 19.0	2.266	3.111	12.2	22.4	6 20	21 16.37	—55 14.2	2.043	2.819	15.7	21.3
6 30	20 48.64	—28 1.3	2.175	3.097	9.5	22.2	6 30	21 8.14	—56 33.2	1.953	2.782	14.5	21.1
7 10	20 41.18	—28 45.0	2.108	3.083	6.4	22.0	7 10	20 55.17	—57 35.9	1.882	2.743	13.6	20.9
7 20	20 32.06	—29 25.1	2.066	3.068	3.8	21.8	7 20	20 38.25	—58 10.0	1.832	2.704	13.4	20.9
7 30	20 22.08	—29 57.0	2.053	3.053	4.0	21.7	7 30	20 19.28	—58 5.1	1.804	2.665	14.1	20.8
8 9	20 12.26	—30 17.0	2.067	3.037	6.7	21.9	8 9	20 0.92	—57 16.8	1.797	2.625	15.5	20.8
8 19	20 3.57	—30 23.7	2.107	3.021	9.9	22.1	8 19	19 45.60	—55 48.4	1.811	2.584	17.4	20.9
8 29	19 56.83	—30 17.5	2.171	3.003	12.9	22.2	8 29	19 34.88	—53 48.6	1.843	2.543	19.4	20.9
<b>136708</b>	1995 <i>TY</i> <sub>7</sub>	7 26.8 351°80		7°1/24.2 17			<b>101175</b>	1998 <i>SO</i> <sub>6</sub>	7 26.9 85°98		1°4/26.1 17		
6 20	20 45.48	—29 41.2	0.962	1.868	19.8	18.3	6 20	20 52.41	—22 1.3	1.857	2.710	14.2	20.1
6 30	20 44.33	—30 34.1	0.903	1.857	15.6	18.0	6 30	20 47.63	—22 18.0	1.783	2.711	10.9	19.9
7 10	20 39.44	—31 27.1	0.861	1.849	11.0	17.7	7 10	20 40.55	—22 38.8	1.731	2.712	7.1	19.7
7 20	20 31.57	—32 10.4	0.839	1.842	7.5	17.5	7 20	20 31.81	—23 0.0	1.704	2.714	3.0	19.4
7 30	20 22.32	—32 33.8	0.836	1.837	7.9	17.5	7 30	20 22.33	—23 17.5	1.703	2.715	2.2	19.4
8 9	20 13.69	—32 31.2	0.854	1.834	11.9	17.7	8 9	20 13.22	—23 28.3	1.729	2.716	6.1	19.6
8 19	20 7.49	—32 2.5	0.890	1.833	16.5	17.9	8 19	20 5.48	—23 30.8	1.781	2.718	10.0	19.9
8 29	20 4.93	—31 11.9	0.943	1.834	20.8	18.2	8 29	19 59.91	—23 24.7	1.856	2.719	13.4	20.1
<b>35622</b>	1998 <i>JF</i> <sub>4</sub>	7 26.8 162°75		0°5/26.5 18			<b>121346</b>	1999 <i>TB</i> <sub>33</sub>	7 26.9 246°33		0°1/26.9 18		
6 20	20 51.87	—18 18.4	2.161	2.999	13.0	19.3	6 20	20 48.94	—17 51.4	2.619	3.451	11.1	20.6
6 30	20 46.87	—18 51.6	2.084	3.003	9.9	19.1	6 30	20 44.41	—18 7.1	2.522	3.439	8.6	20.4
7 10	20 39.89	—19 31.8	2.030	3.008	6.4	18.9	7 10	20 38.23	—18 28.4	2.449	3.426	5.6	20.2
7 20	20 31.47	—20 15.6	2.002	3.012	2.6	18.7	7 20	20 30.81	—18 53.1	2.403	3.412	2.3	19.9
7 30	20 22.39	—20 58.9	2.002	3.015	1.5	18.6	7 30	20 22.78	—19 18.7	2.385	3.399	1.1	19.8
8 9	20 13.57	—21 37.8	2.030	3.018	5.3	18.9	8 9	20 14.86	—19 42.5	2.396	3.385	4.5	20.0
8 19	20 5.88	—22 9.7	2.086	3.021	8.8	19.1	8 19	20 7.77	—20 2.4	2.434	3.371	7.7	20.2
8 29	20 0.04	—22 33.2	2.165	3.023	12.0	19.3	8 29	20 2.15	—20 17.2	2.497	3.356	10.5	20.4
<b>263697</b>	2008 <i>HE</i> <sub>9</sub>	7 26.8 270°86		0°9/27.5 18			<b>76052</b>	2000 <i>DK</i> <sub>59</sub>	7 26.9 246°45		3°7/24.9 18		
6 20	20 47.08	—13 25.6	2.313	3.144	12.5	21.0	6 20	20 55.36	—29 4.8	2.143	2.989	12.8	19.7
6 30	20 43.20	—14 1.4	2.219	3.133	9.7	20.8	6 30	20 49.80	—29 27.9	2.056	2.978	10.0	19.5
7 10	20 37.55	—14 48.0	2.149	3.122	6.5	20.6	7 10	20 41.96	—29 49.8	1.992	2.966	6.8	19.3
7 20	20 30.54	—15 43.0	2.104	3.111	3.0	20.4	7 20	20 32.41	—30 5.7	1.953	2.955	4.2	19.1
7 30	20 22.83	—16 42.7	2.087	3.100	1.3	20.2	7 30	20 22.05	—30 11.5	1.942	2.943	4.2	19.1
8 9	20 15.23	—17 43.0	2.098	3.089	4.8	20.5	8 9	20 11.97	—30 4.6	1.959	2.930	6.9	19.2
8 19	20 8.50	—18 39.9	2.136	3.078	8.3	20.7	8 19	20 3.19	—29 44.7	2.001	2.918	10.2	19.4
8 29	20 3.35	—19 30.5	2.200	3.067	11.4	20.8	8 29	19 56.54	—29 13.3	2.067	2.905	13.2	19.6
<b>146808</b>	2001 <i>YW</i> <sub>81</sub>	7 26.8 313°79		2°7/24									

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>858</b>	El Djezaïr		7 26.9	45°44'	4.5°/24.1	18	<b>98945</b>	2001 CS <sub>21</sub>		7 26.9	296°14'	2.4°/25.5	18
6 20	20 51.15	-27 40.3	1.737	2.601	14.5	14.4	6 20	20 50.27	-22 20.5	1.685	2.547	14.9	19.2
6 30	20 46.92	-28 44.6	1.677	2.609	11.1	14.2	6 30	20 46.54	-23 4.5	1.595	2.528	11.5	18.9
7 10	20 40.22	-29 50.2	1.638	2.617	7.6	14.0	7 10	20 40.22	-23 56.0	1.526	2.509	7.6	18.7
7 20	20 31.70	-30 50.5	1.625	2.626	4.9	13.9	7 20	20 31.83	-24 49.7	1.481	2.490	3.6	18.4
7 30	20 22.40	-31 38.8	1.637	2.634	5.2	13.9	7 30	20 22.31	-25 39.4	1.462	2.471	3.3	18.3
8 9	20 13.54	-32 10.7	1.675	2.643	8.1	14.1	8 9	20 12.90	-26 19.6	1.468	2.452	7.4	18.5
8 19	20 6.20	-32 25.0	1.736	2.653	11.5	14.3	8 19	20 4.82	-26 46.6	1.499	2.434	11.7	18.7
8 29	20 1.23	-32 22.5	1.820	2.662	14.5	14.5	8 29	19 59.11	-26 59.5	1.552	2.415	15.5	18.9
<b>93406</b>	2000 SZ <sub>293</sub>		7 26.9	246°79'	12°6'/18.9	18	<b>441951</b>	2010 LB <sub>57</sub>		7 26.9	8°57'	0°7'/27.2	17
6 20	21 5.51	-51 20.4	1.882	2.691	15.7	18.6	6 20	20 47.06	-17 17.3	1.432	2.300	16.7	20.1
6 30	20 59.06	-52 50.5	1.826	2.685	14.1	18.5	6 30	20 44.00	-17 11.7	1.368	2.303	12.9	19.9
7 10	20 48.70	-54 4.1	1.791	2.680	12.9	18.4	7 10	20 38.41	-17 15.1	1.323	2.306	8.5	19.6
7 20	20 35.36	-54 51.0	1.777	2.674	12.6	18.3	7 20	20 30.98	-17 25.1	1.301	2.311	3.7	19.3
7 30	20 20.71	-55 3.1	1.785	2.669	13.1	18.4	7 30	20 22.77	-17 38.2	1.304	2.318	1.6	19.2
8 9	20 6.87	-54 38.3	1.814	2.663	14.5	18.4	8 9	20 15.04	-17 50.8	1.330	2.325	6.4	19.5
8 19	19 55.64	-53 40.2	1.862	2.657	16.2	18.5	8 19	20 8.86	-18 0.3	1.381	2.334	10.9	19.8
8 29	19 48.21	-52 16.0	1.929	2.651	18.0	18.7	8 29	20 5.10	-18 4.7	1.452	2.344	14.8	20.1
<b>264961</b>	2002 XE <sub>55</sub>		7 26.9	200°30'	0°8'/27.3	17	<b>478295</b>	2011 WY <sub>22</sub>		7 26.9	48°01'	3°7'/29.0	18
6 20	20 52.55	-15 7.1	1.945	2.780	14.3	21.5	6 20	20 48.60	- 8 14.0	2.159	2.973	13.8	21.6
6 30	20 47.67	-15 27.1	1.861	2.777	11.1	21.3	6 30	20 44.33	- 7 56.5	2.078	2.975	11.1	21.4
7 10	20 40.59	-15 57.0	1.798	2.773	7.4	21.0	7 10	20 38.24	- 7 50.8	2.019	2.976	8.0	21.3
7 20	20 31.86	-16 34.2	1.761	2.769	3.3	20.8	7 20	20 30.84	- 7 56.5	1.984	2.977	5.1	21.1
7 30	20 22.31	-17 14.8	1.751	2.765	1.4	20.6	7 30	20 22.84	- 8 12.5	1.976	2.979	3.7	21.0
8 9	20 12.99	-17 54.8	1.769	2.760	5.5	20.9	8 9	20 15.08	- 8 36.2	1.994	2.980	5.6	21.1
8 19	20 4.86	-18 30.7	1.813	2.754	9.5	21.1	8 19	20 8.32	- 9 4.8	2.040	2.982	8.6	21.3
8 29	19 58.75	-19 0.2	1.881	2.748	13.1	21.3	8 29	20 3.24	- 9 35.2	2.109	2.983	11.6	21.5
<b>214817</b>	2006 UF <sub>328</sub>		7 26.9	336°20'	4°0'/24.2	18	<b>38500</b>	1999 TN <sub>165</sub>		7 26.9	154°42'	2°2'/25.6	18
6 20	20 48.99	-25 53.4	1.806	2.670	14.0	19.9	6 20	20 51.66	-25 26.1	2.369	3.214	11.7	19.5
6 30	20 45.31	-27 0.6	1.731	2.665	10.8	19.7	6 30	20 46.61	-25 43.9	2.293	3.216	9.0	19.3
7 10	20 39.24	-28 12.0	1.679	2.660	7.3	19.5	7 10	20 39.68	-26 2.6	2.239	3.217	5.9	19.2
7 20	20 31.34	-29 21.2	1.651	2.655	4.4	19.3	7 20	20 31.42	-26 18.7	2.212	3.219	3.0	19.0
7 30	20 22.54	-30 21.4	1.650	2.651	4.7	19.3	7 30	20 22.60	-26 29.0	2.213	3.220	2.7	19.0
8 9	20 13.99	-31 7.3	1.674	2.647	7.8	19.5	8 9	20 14.08	-26 31.3	2.242	3.222	5.6	19.1
8 19	20 6.77	-31 36.2	1.723	2.643	11.4	19.7	8 19	20 6.67	-26 24.9	2.297	3.223	8.6	19.3
8 29	20 1.79	-31 48.1	1.794	2.640	14.6	19.9	8 29	20 1.03	-26 10.2	2.377	3.224	11.4	19.5
<b>312397</b>	2008 FE <sub>4</sub>		7 26.9	70°55'	3°0'/25.2	18	<b>256518</b>	2007 EG <sub>181</sub>		7 26.9	188°99'	3°3'/29.6	18
6 20	20 52.49	-27 7.7	2.129	2.979	12.7	20.7	6 20	20 47.12	- 5 39.1	3.050	3.836	10.8	21.4
6 30	20 47.41	-27 29.8	2.059	2.984	9.7	20.5	6 30	20 42.69	- 5 36.6	2.959	3.835	8.8	21.3
7 10	20 40.27	-27 51.7	2.012	2.990	6.5	20.3	7 10	20 36.95	- 5 44.3	2.890	3.834	6.5	21.1
7 20	20 31.65	-28 9.3	1.991	2.996	3.6	20.1	7 20	20 30.26	- 6 1.9	2.847	3.832	4.3	21.0
7 30	20 22.44	-28 18.9	1.997	3.001	3.5	20.1	7 30	20 23.13	- 6 28.2	2.832	3.829	3.3	20.9
8 9	20 13.63	-28 18.3	2.030	3.007	6.3	20.3	8 9	20 16.12	- 7 1.1	2.846	3.827	4.5	21.0
8 19	20 6.11	-28 6.8	2.089	3.012	9.5	20.5	8 19	20 9.79	- 7 38.4	2.888	3.823	6.7	21.1
8 29	20 0.58	-27 45.6	2.172	3.018	12.4	20.7	8 29	20 4.63	- 8 17.5	2.957	3.820	8.9	21.3
<b>475885</b>	2007 CK <sub>63</sub>		7 26.9	183°16'	3°0'/29.7	18	<b>398209</b>	2010 ND <sub>81</sub>		7 26.9	339°37'	7°3'/23.0	18
6 20	20 46.94	- 5 28.3	2.870	3.659	11.3	21.6	6 20	20 51.10	-35 15.6	1.673	2.538	14.8	20.2
6 30	20 42.65	- 5 51.5	2.779	3.659	9.2	21.4	6 30	20 47.36	-36 11.1	1.600	2.526	12.0	20.0
7 10	20 36.96	- 6 26.8	2.711	3.659	6.7	21.3	7 10	20 40.78	-37 1.8	1.549	2.515	9.2	19.8
7 20	20 30.26	- 7 13.4	2.669	3.659	4.3	21.1	7 20	20 32.05	-37 40.1	1.520	2.504	7.4	19.6
7 30	20 23.07	- 8 9.0	2.656	3.658	3.0	21.0	7 30	20 22.30	-37 59.1	1.516	2.495	7.9	19.6
8 9	20 16.01	- 9 10.6	2.672	3.657	4.4	21.1	8 9	20 12.95	-37 55.2	1.535	2.486	10.3	19.8
8 19	20 9.66	-10 14.7	2.716	3.655	6.9	21.3	8 19	20 5.29	-37 28.6	1.577	2.478	13.4	19.9
8 29	20 4.54	-11 18.0	2.787	3.653	9.3	21.5	8 29	20 0.33	-36 42.5	1.639	2.471	16.4	20.1
<b>217628</b>	Lugh		7 26.9	143°95'	1°1'/27.8	18	<b>284534</b>	2007 RZ <sub>172</sub>		7 26.9	306°33'	1°8'/25.8	18
6 20	20 53.50	-12 59.9	3.375	4.172	9.6	22.9	6 20	20 50.35	-21 49.6	1.797	2.654	14.3	21.1
6 30	20 47.27	-13 19.6	3.298	4.192	7.5	22.7	6 30	20 46.27	-22 23.6	1.717	2.648	11.0	20.9
7 10	20 39.75	-13 45.5	3.246	4.210	5.0	22.6	7 10	20 39.83	-23 3.3	1.659	2.641	7.2	20.6
7 20	20 31.36	-14 15.9	3.223	4.227	2.4	22.4	7 20	20 31.60	-23 44.6	1.626	2.635	3.2	20.4
7 30	20 22.60	-14 48.7	3.231	4.243	1.2	22.4	7 30	20 22.51	-24 22.2	1.618	2.629	2.6	20.3
8 9	20 14.06	-15 21.7	3.271	4.258	3.5	22.6	8 9	20 13.68	-24 51.8	1.638	2.623	6.6	20.6
8 19	20 6.27	-15 53.1	3.341	4.272	6.0	22.7	8 19	20 6.16	-25 10.9	1.682	2.618	10.5	20.8
8 29	19 59.70	-16 21.4	3.438	4.285	8.2	22.9	8 29	20 0.84	-25 18.6	1.748	2.612	14.1	21.0
<b>505746</b>	2015 BD <sub>72</sub>		7 26.9	261°81'	2°5'/28.2	17	<b>490266</b>	2008 YT <sub>12</sub>		7 26.9	298°67'	2°0'/25.8	16
6 20	20 50.45	-10 57.1	1.599	2.438	16.7	21.7	6 20	20 50.42	-21 27.9	1.665	2.526	15.1	22.5
6 30	20 46.57	-11 12.5	1.513	2.428	13.2	21.5	6 30	20 46.76	-22 4.4	1.568	2.500	11.7	22.2
7 10	20 40.16	-11 44.0	1.447	2.418	9.2	21.2	7 10	20 40.47	-22 49.1	1.492	2.475	7.7	21.9
7 20	20 31.78	-12 29.8	1.404	2.408	4.8	21.0	7 20	20 32.01	-23 37.3	1.439	2.449	3.5	21.6
7 30	20 22.35	-13 25.9	1.386	2.398	2.7	20.8	7 30	20 22.31	-24 23.1	1.412	2.423	2.9	21.5
8 9	20 13.08	-14 26.9	1.395	2.388	6.4	21.0	8 9	20 12.62	-25 0.9	1.411	2.398	7.3	21.7
8 19	20 5.13	-15 27.1	1.428	2.377	10.9	21.2	8 19	20 4.23	-25 27.0	1.434	2.372	11.8	21.9
8 29	19 59.51	-16 21.9	1.483	2.367	15.0	21.5	8 29	19 58.23	-25 39.9	1.479	2.347	15.9	22.1
<b>354193</b>	2002 EY <sub>55</sub>		7 26.9	75°39'	5°5'/31.8	18	<b>255539</b>	2006 HX <sub>81</sub>		7 26.9	221°80'	4°2'/28.8	17
6 20	20 47.41	+ 1 13.2											

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7 26.9

7 26.9

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>288012</b>	2003 <i>UZ</i> <sub>207</sub>		7 26.9 227°03	2°3/25.7	17		<b>240675</b>	2005 <i>EX</i> <sub>119</sub>		7 26.9 193°25	5°0/30.6	18	
6 20	20 55.49	-23 1.3	1.790	2.640	14.7	21.7	6 20	20 49.49	-1 39.9	2.518	3.291	13.2	21.6
6 30	20 50.33	-23 35.4	1.704	2.630	11.4	21.5	6 30	20 44.81	-1 33.0	2.426	3.288	10.9	21.4
7 10	20 42.57	-24 14.6	1.640	2.620	7.5	21.2	7 10	20 38.51	-1 40.5	2.356	3.286	8.5	21.2
7 20	20 32.80	-24 53.7	1.601	2.610	3.5	20.9	7 20	20 31.00	-2 2.9	2.310	3.282	6.2	21.1
7 30	20 22.00	-25 27.5	1.589	2.598	3.1	20.9	7 30	20 22.90	-2 39.1	2.292	3.279	5.0	21.0
8 9	20 11.43	-25 51.3	1.604	2.587	7.0	21.1	8 9	20 14.94	-3 26.6	2.301	3.274	5.9	21.1
8 19	20 2.26	-26 3.0	1.644	2.574	11.1	21.3	8 19	20 7.81	-4 21.8	2.338	3.269	8.2	21.2
8 29	19 55.49	-26 2.6	1.706	2.561	14.8	21.5	8 29	20 2.12	-5 20.8	2.400	3.263	10.7	21.3
<b>219130</b>	1998 <i>UH</i> <sub>39</sub>		7 26.9 312°13	10°2/	2.6	18	<b>14805</b>	1981 <i>ED</i> <sub>15</sub>		7 26.9 256°78	0°6/27.2	18	
6 20	20 45.43	+ 9 53.5	2.200	2.923	16.2	19.9	6 20	20 52.89	-16 58.3	1.667	2.515	15.7	18.8
6 30	20 42.09	+10 49.6	2.105	2.907	14.5	19.8	6 30	20 48.35	-17 2.1	1.584	2.508	12.2	18.5
7 10	20 36.94	+11 25.5	2.027	2.890	12.8	19.6	7 10	20 41.29	-17 14.6	1.521	2.500	8.1	18.3
7 20	20 30.40	+11 37.5	1.970	2.874	11.2	19.5	7 20	20 32.28	-17 33.2	1.482	2.491	3.5	18.0
7 30	20 23.11	+11 23.5	1.935	2.859	10.3	19.4	7 30	20 22.31	-17 54.3	1.469	2.483	1.5	17.8
8 9	20 15.87	+10 44.2	1.923	2.843	10.4	19.4	8 9	20 12.59	-18 14.2	1.482	2.475	6.2	18.1
8 19	20 9.48	+ 9 42.8	1.934	2.828	11.6	19.4	8 19	20 4.28	-18 30.1	1.521	2.466	10.7	18.3
8 29	20 4.68	+ 8 24.8	1.967	2.813	13.5	19.5	8 29	19 58.31	-18 40.3	1.581	2.457	14.7	18.6
<b>141829</b>	2002 <i>OC</i>		7 26.9 319°49	0°6/26.7	17		<b>447728</b>	2007 <i>EM</i> <sub>208</sub>		7 26.9 263°73	8°8/	3.9	18
6 20	20 48.82	-19 49.5	1.183	2.065	18.6	19.2	6 20	20 46.12	+12 17.1	2.669	3.357	14.4	21.6
6 30	20 46.44	-19 48.9	1.094	2.037	14.6	18.9	6 30	20 42.29	+12 37.5	2.566	3.341	12.9	21.4
7 10	20 40.76	-19 56.6	1.023	2.010	9.7	18.5	7 10	20 36.91	+12 37.8	2.480	3.325	11.3	21.3
7 20	20 32.29	-20 9.6	0.972	1.983	4.1	18.1	7 20	20 30.36	+12 15.6	2.416	3.308	9.9	21.2
7 30	20 22.18	-20 22.9	0.944	1.958	2.1	17.9	7 30	20 23.19	+11 29.8	2.375	3.292	8.9	21.1
8 9	20 12.12	-20 31.5	0.938	1.933	8.3	18.2	8 9	20 16.06	+10 22.1	2.358	3.275	8.9	21.0
8 19	20 3.79	-20 32.2	0.953	1.909	14.1	18.4	8 19	20 9.64	+ 8 56.0	2.367	3.258	9.9	21.1
8 29	19 58.64	-20 23.7	0.987	1.887	19.3	18.6	8 29	20 4.54	+ 7 16.8	2.401	3.240	11.6	21.2
<b>432400</b>	2009 <i>YE</i> <sub>10</sub>		7 26.9 210°86	3°2/24.7	18		<b>467941</b>	2012 <i>DN</i> <sub>1</sub>		7 26.9 121°90	1°2/27.6	17	
6 20	20 52.23	-24 1.4	1.996	2.847	13.4	21.0	6 20	20 53.94	-13 42.4	1.665	2.503	16.2	22.1
6 30	20 47.60	-25 10.8	1.916	2.843	10.3	20.8	6 30	20 48.91	-14 5.8	1.599	2.516	12.6	21.9
7 10	20 40.68	-26 25.9	1.859	2.838	6.8	20.6	7 10	20 41.47	-14 41.6	1.554	2.529	8.4	21.7
7 20	20 31.99	-27 40.5	1.828	2.833	3.7	20.4	7 20	20 32.28	-15 26.7	1.533	2.541	3.8	21.4
7 30	20 22.40	-28 48.3	1.824	2.828	3.9	20.4	7 30	20 22.35	-16 16.3	1.539	2.552	1.7	21.3
8 9	20 12.98	-29 43.8	1.848	2.822	7.1	20.6	8 9	20 12.86	-17 5.3	1.571	2.563	6.0	21.6
8 19	20 4.79	-30 24.0	1.898	2.816	10.6	20.8	8 19	20 4.84	-17 49.6	1.629	2.574	10.2	21.9
8 29	19 58.68	-30 48.3	1.971	2.810	13.7	21.0	8 29	19 59.14	-18 26.5	1.711	2.584	13.8	22.1
<b>96185</b>	1990 <i>RJ</i> <sub>7</sub>		7 26.9 226°71	2°8/25.1	18		<b>41967</b>	2000 <i>XE</i> <sub>39</sub>		7 26.9 282°61	3°2/25.6	18	R
6 20	20 54.33	-26 28.7	2.504	3.342	11.4	20.4	6 20	20 56.72	-27 20.1	1.777	2.630	14.7	19.5
6 30	20 48.75	-27 2.2	2.410	3.329	8.8	20.2	6 30	20 51.41	-27 28.5	1.684	2.611	11.5	19.2
7 10	20 41.20	-27 36.9	2.340	3.315	5.9	20.0	7 10	20 43.35	-27 36.2	1.613	2.592	7.8	19.0
7 20	20 32.15	-28 8.7	2.297	3.300	3.3	19.8	7 20	20 33.17	-27 38.4	1.567	2.573	4.2	18.7
7 30	20 22.34	-28 33.5	2.282	3.285	3.3	19.8	7 30	20 21.91	-27 30.6	1.547	2.553	3.8	18.6
8 9	20 12.69	-28 48.6	2.296	3.269	6.0	19.9	8 9	20 10.91	-27 10.2	1.553	2.534	7.4	18.8
8 19	20 4.04	-28 52.6	2.337	3.253	9.0	20.1	8 19	20 1.42	-26 37.1	1.585	2.514	11.5	19.0
8 29	19 57.15	-28 45.7	2.403	3.235	11.8	20.3	8 29	19 54.46	-25 53.3	1.639	2.495	15.2	19.2
<b>130982</b>	2000 <i>WH</i> <sub>130</sub>		7 26.9 199°51	1°2/26.1	18	R	<b>418919</b>	2009 <i>CN</i> <sub>27</sub>		7 26.9 85°75	1°7/26.1	17	
6 20	20 52.31	-20 31.4	2.202	3.042	12.7	20.9	6 20	20 55.70	-20 13.0	1.388	2.249	17.6	20.9
6 30	20 47.31	-21 4.3	2.118	3.039	9.7	20.7	6 30	20 50.67	-20 56.7	1.336	2.268	13.4	20.7
7 10	20 40.30	-21 42.7	2.057	3.036	6.3	20.5	7 10	20 42.78	-21 48.6	1.303	2.286	8.6	20.5
7 20	20 31.77	-22 23.0	2.022	3.031	2.7	20.2	7 20	20 32.85	-22 42.5	1.294	2.304	3.7	20.2
7 30	20 22.52	-23 1.0	2.015	3.027	1.9	20.2	7 30	20 22.13	-23 31.5	1.310	2.322	2.7	20.2
8 9	20 13.48	-23 33.2	2.037	3.022	5.5	20.4	8 9	20 12.09	-24 10.1	1.352	2.340	7.3	20.5
8 19	20 5.53	-23 57.2	2.085	3.016	9.0	20.6	8 19	20 3.96	-24 35.5	1.418	2.357	11.8	20.8
8 29	19 59.43	-24 12.0	2.157	3.010	12.2	20.8	8 29	19 58.63	-24 47.6	1.505	2.374	15.6	21.1
<b>342664</b>	2008 <i>VZ</i> <sub>12</sub>		7 26.9 153°31	6°1/29.9	18		<b>147136</b>	2002 <i>TT</i> <sub>224</sub>		7 26.9 239°12	3°2/25.0	18	
6 20	20 51.21	- 3 24.4	1.979	2.773	15.5	20.4	6 20	20 54.77	-25 5.2	1.902	2.753	14.0	21.1
6 30	20 46.48	- 2 38.2	1.899	2.775	12.9	20.3	6 30	20 49.76	-25 54.1	1.813	2.739	10.8	20.9
7 10	20 39.75	- 2 6.4	1.840	2.777	10.0	20.1	7 10	20 42.22	-26 47.3	1.747	2.725	7.2	20.6
7 20	20 31.54	- 1 50.7	1.804	2.779	7.4	19.9	7 20	20 32.70	-27 39.0	1.705	2.711	3.9	20.4
7 30	20 22.64	- 1 51.4	1.794	2.780	6.2	19.9	7 30	20 22.13	-28 23.3	1.691	2.696	3.9	20.4
8 9	20 14.00	- 2 6.7	1.810	2.782	7.4	19.9	8 9	20 11.70	-28 55.3	1.704	2.680	7.4	20.5
8 19	20 6.48	- 2 33.5	1.851	2.783	10.0	20.1	8 19	20 2.58	-29 12.6	1.742	2.664	11.1	20.7
8 29	20 0.82	- 3 7.7	1.916	2.784	12.8	20.3	8 29	19 55.75	-29 15.3	1.803	2.647	14.6	20.9
<b>46389</b>	2001 <i>YJ</i> <sub>45</sub>		7 26.9 84°31	3°1/25.1	18		<b>505922</b>	2015 <i>EZ</i> <sub>58</sub>		7 26.9 117°03	3°6/24.2	17	
6 20	20 52.31	-23 48.5	1.665	2.526	15.1	19.1	6 20	20 52.81	-23 36.4	1.847	2.701	14.2	21.5
6 30	20 47.91	-24 42.8	1.599	2.531	11.6	18.8	6 30	20 48.13	-25 11.1	1.782	2.711	10.8	21.3
7 10	20 40.96	-25 42.1	1.553	2.535	7.6	18.6	7 10	20 41.04	-26 52.0	1.741	2.721	7.2	21.1
7 20	20 32.10	-26 40.3	1.533	2.540	3.9	18.4	7 20	20 32.16	-28 31.6	1.726	2.731	4.1	20.9
7 30	20 22.39	-27 30.9	1.538	2.545	3.8	18.4	7 30	20 22.41	-30 1.9	1.739	2.740	4.4	21.0
8 9	20 13.08	-28 8.7	1.569	2.549	7.5	18.6	8 9	20 12.96	-31 16.5	1.779	2.750	7.6	21.2
8 19	20 5.30	-28 31.4	1.625	2.554	11.3	18.9	8 19	20 4.89	-32 12.1	1.845	2.758	11.1	21.4
8 29	19 59.94	-28 39.2	1.703	2.558	14.8	19.1	8 29	19 59.06	-32 48.4	1.933	2.767	14.1	21.6
<b>339283</b>	2004 <i>XB</i> <sub>18</sub>		7 26.9 248°90	1°4/27.9	18		<b>279439</b>	2010 <					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>477986</b>	2011 <i>SN</i> <sub>101</sub>		7 26.9 282°08		0°6/27.3 18		<b>155507</b>	1999 <i>RE</i> <sub>5</sub>		7 26.9 249°96		0°1/26.9 18	
6 20	20 49.14	-15 45.0	1.991	2.832	13.8	21.7	6 20	20 49.24	-17 27.0	2.635	3.465	11.1	22.1
6 30	20 45.09	-16 2.8	1.904	2.824	10.7	21.5	6 30	20 44.70	-17 42.7	2.535	3.450	8.6	21.9
7 10	20 38.96	-16 29.8	1.839	2.816	7.1	21.3	7 10	20 38.50	-18 4.3	2.459	3.434	5.6	21.7
7 20	20 31.27	-17 3.5	1.799	2.808	3.1	21.0	7 20	20 31.05	-18 29.7	2.409	3.419	2.4	21.4
7 30	20 22.81	-17 40.5	1.786	2.800	1.3	20.9	7 30	20 22.96	-18 56.2	2.388	3.402	1.0	21.3
8 9	20 14.52	-18 16.9	1.800	2.792	5.4	21.1	8 9	20 14.97	-19 21.3	2.396	3.386	4.4	21.5
8 19	20 7.34	-18 49.5	1.840	2.784	9.3	21.4	8 19	20 7.78	-19 42.9	2.431	3.369	7.7	21.7
8 29	20 2.04	-19 16.0	1.904	2.776	12.7	21.6	8 29	20 2.04	-19 59.4	2.492	3.351	10.5	21.9
<b>246559</b>	2008 <i>SG</i> <sub>142</sub>		7 26.9 343°75		1°1/27.5 16		<b>393901</b>	2005 <i>TN</i> <sub>161</sub>		7 26.9 355°55		0°1/26.9 18	
6 20	20 48.28	-14 45.0	1.500	2.358	16.7	20.9	6 20	20 48.34	-18 43.2	1.694	2.553	15.0	20.4
6 30	20 45.01	-14 59.3	1.424	2.352	13.0	20.7	6 30	20 44.76	-18 48.5	1.619	2.549	11.6	20.2
7 10	20 39.20	-15 26.4	1.368	2.347	8.7	20.4	7 10	20 38.87	-19 0.9	1.565	2.547	7.6	19.9
7 20	20 31.44	-16 3.6	1.334	2.343	4.0	20.1	7 20	20 31.26	-19 17.4	1.534	2.545	3.1	19.7
7 30	20 22.73	-16 46.4	1.325	2.339	1.7	20.0	7 30	20 22.88	-19 34.7	1.529	2.543	1.5	19.5
8 9	20 14.31	-17 29.7	1.342	2.336	6.4	20.3	8 9	20 14.83	-19 49.3	1.550	2.543	6.0	19.8
8 19	20 7.35	-18 9.0	1.382	2.334	11.0	20.5	8 19	20 8.12	-19 58.9	1.595	2.543	10.2	20.1
8 29	20 2.77	-18 41.0	1.444	2.332	15.1	20.8	8 29	20 3.59	-20 2.1	1.663	2.543	13.8	20.3
<b>132995</b>	2002 <i>TY</i> <sub>241</sub>		7 26.9 305°50		1°6/27.9 18		<b>141963</b>	2002 <i>PL</i> <sub>120</sub>		7 26.9 230°68		0°6/27.1 18	
6 20	20 46.89	-11 37.8	1.776	2.618	15.2	19.4	6 20	20 54.73	-17 30.8	1.682	2.528	15.7	20.0
6 30	20 43.74	-12 13.8	1.679	2.597	12.0	19.1	6 30	20 49.74	-17 27.8	1.600	2.522	12.2	19.8
7 10	20 38.33	-13 6.0	1.602	2.576	8.2	18.9	7 10	20 42.18	-17 32.3	1.538	2.516	8.1	19.5
7 20	20 31.11	-14 12.2	1.549	2.556	4.0	18.6	7 20	20 32.68	-17 41.8	1.500	2.509	3.5	19.2
7 30	20 22.86	-15 27.9	1.522	2.535	1.9	18.4	7 30	20 22.23	-17 53.2	1.489	2.502	1.5	19.1
8 9	20 14.63	-16 47.0	1.522	2.515	5.9	18.6	8 9	20 12.08	-18 3.1	1.504	2.495	6.2	19.4
8 19	20 7.47	-18 3.5	1.547	2.496	10.3	18.8	8 19	20 3.37	-18 9.5	1.544	2.488	10.7	19.6
8 29	20 2.34	-19 12.2	1.595	2.476	14.3	19.0	8 29	19 57.05	-18 10.9	1.607	2.480	14.6	19.8
<b>18451</b>	1994 <i>PZ</i> <sub>27</sub>		7 26.9 180°94		0°1/26.9 18		<b>90898</b>	1997 <i>CQ</i> <sub>19</sub>		7 26.9 260°67		1°8/25.7 18	
6 20	20 49.06	-17 15.4	2.608	3.439	11.2	19.5	6 20	20 51.96	-21 23.8	2.043	2.889	13.3	19.7
6 30	20 44.47	-17 38.7	2.524	3.440	8.6	19.3	6 30	20 47.44	-22 8.1	1.945	2.870	10.2	19.5
7 10	20 38.27	-18 8.1	2.464	3.440	5.6	19.1	7 10	20 40.65	-22 59.2	1.870	2.850	6.7	19.2
7 20	20 30.91	-18 41.3	2.431	3.440	2.3	18.9	7 20	20 32.06	-23 53.0	1.820	2.829	3.0	19.0
7 30	20 23.01	-19 15.3	2.426	3.440	1.0	18.8	7 30	20 22.48	-24 44.2	1.798	2.808	2.6	18.9
8 9	20 15.29	-19 47.3	2.450	3.439	4.4	19.0	8 9	20 12.94	-25 27.9	1.804	2.787	6.3	19.1
8 19	20 8.44	-20 15.1	2.502	3.438	7.5	19.2	8 19	20 4.47	-26 1.0	1.835	2.765	10.2	19.3
8 29	20 3.05	-20 37.2	2.578	3.437	10.2	19.4	8 29	19 58.00	-26 22.1	1.890	2.743	13.6	19.5
<b>173883</b>	2001 <i>UB</i> <sub>55</sub>		7 26.9 294°14		1°1/26.3 18		<b>323078</b>	2002 <i>TB</i> <sub>116</sub>		7 26.9 346°05		6°6/28.8 17	
6 20	20 49.16	-19 53.7	1.984	2.835	13.5	19.9	6 20	20 45.39	-9 43.6	1.044	1.918	21.1	19.4
6 30	20 45.20	-20 25.1	1.896	2.823	10.3	19.7	6 30	20 43.67	-8 34.5	0.973	1.904	17.3	19.2
7 10	20 39.09	-21 3.5	1.831	2.812	6.7	19.5	7 10	20 38.81	-7 40.4	0.920	1.893	12.8	18.9
7 20	20 31.35	-21 45.3	1.791	2.801	2.8	19.2	7 20	20 31.43	-7 4.8	0.884	1.883	8.4	18.6
7 30	20 22.79	-22 25.9	1.778	2.790	1.9	19.1	7 30	20 22.78	-6 49.3	0.870	1.874	6.6	18.5
8 9	20 14.40	-23 1.4	1.792	2.780	5.8	19.3	8 9	20 14.45	-6 52.1	0.876	1.867	9.4	18.6
8 19	20 7.13	-23 28.7	1.831	2.769	9.7	19.6	8 19	20 7.98	-7 9.2	0.902	1.863	14.1	18.8
8 29	20 1.80	-23 46.4	1.894	2.758	13.1	19.8	8 29	20 4.56	-7 34.6	0.946	1.859	18.7	19.1
<b>49867</b>	1999 <i>XL</i> <sub>111</sub>		7 26.9 297°64		8°6/22.3 18		<b>398260</b>	2010 <i>TT</i> <sub>10</sub>		7 26.9 341°83		1°0/27.3 18	
6 20	20 55.13	-34 30.9	1.436	2.304	16.7	18.6	6 20	20 50.14	-17 2.4	1.872	2.719	14.3	20.5
6 30	20 51.33	-35 50.9	1.351	2.279	13.6	18.3	6 30	20 45.91	-16 47.5	1.791	2.713	11.1	20.3
7 10	20 44.01	-37 10.0	1.286	2.253	10.5	18.1	7 10	20 39.51	-16 39.0	1.731	2.708	7.4	20.1
7 20	20 33.69	-38 17.9	1.243	2.228	8.6	17.9	7 20	20 31.51	-16 35.3	1.695	2.703	3.3	19.8
7 30	20 21.66	-39 3.5	1.224	2.202	9.4	17.9	7 30	20 22.78	-16 34.3	1.686	2.699	1.5	19.7
8 9	20 9.74	-39 19.8	1.227	2.177	12.5	18.0	8 9	20 14.34	-16 33.9	1.703	2.695	5.5	20.0
8 19	19 59.73	-39 5.5	1.252	2.152	16.2	18.1	8 19	20 7.13	-16 32.3	1.746	2.692	9.5	20.2
8 29	19 53.09	-38 24.3	1.295	2.127	19.8	18.3	8 29	20 1.94	-16 28.3	1.812	2.689	13.0	20.4
<b>115142</b>	2003 <i>SM</i> <sub>64</sub>		7 26.9 174°61		2°8/28.5 17		<b>437479</b>	2013 <i>YT</i> <sub>49</sub>		7 26.9 180°31		0°3/27.1 17	
6 20	20 53.58	-9 50.4	1.962	2.778	14.9	20.6	6 20	20 51.72	-16 25.7	2.170	3.004	13.1	22.3
6 30	20 48.39	-9 58.6	1.880	2.781	11.8	20.4	6 30	20 46.83	-16 46.1	2.089	3.005	10.1	22.1
7 10	20 41.06	-10 20.0	1.820	2.784	8.3	20.2	7 10	20 39.98	-17 14.3	2.030	3.005	6.6	21.9
7 20	20 32.14	-10 53.1	1.785	2.786	4.6	20.0	7 20	20 31.68	-17 47.8	1.997	3.006	2.8	21.7
7 30	20 22.47	-11 35.0	1.778	2.787	2.8	19.9	7 30	20 22.72	-18 22.9	1.991	3.005	1.2	21.6
8 9	20 13.04	-12 21.7	1.797	2.787	5.6	20.1	8 9	20 13.99	-18 56.4	2.014	3.005	5.1	21.8
8 19	20 4.81	-13 9.2	1.844	2.787	9.3	20.3	8 19	20 6.35	-19 25.4	2.064	3.003	8.7	22.1
8 29	19 58.55	-13 54.0	1.915	2.785	12.7	20.5	8 29	20 0.50	-19 48.2	2.138	3.002	11.9	22.3
<b>359948</b>	2012 <i>AG</i> <sub>24</sub>		7 26.9 307°03		2°1/25.3 18		<b>46845</b>	1998 <i>QB</i> <sub>24</sub>		7 26.9 276°19		2°3/27.8 18	
6 20	20 48.09	-22 26.7	2.175	3.027	12.4	20.3	6 20	20 52.85	-14 1.9	1.590	2.434	16.5	18.5
6 30	20 44.21	-23 18.2	2.092	3.020	9.5	20.1	6 30	20 48.49	-13 45.1	1.503	2.422	13.1	18.3
7 10	20 38.37	-24 15.1	2.032	3.013	6.2	19.9	7 10	20 41.50	-13 38.6	1.435	2.409	9.0	18.0
7 20	20 31.03	-25 13.1	1.998	3.006	3.0	19.7	7 20	20 32.46	-13 41.3	1.391	2.396	4.5	17.7
7 30	20 22.96	-26 7.2	1.991	2.999	2.8	19.7	7 30	20 22.35	-13 50.9	1.372	2.384	2.5	17.5
8 9	20 15.05	-26 53.1	2.012	2.993	6.0	19.9	8 9	20 12.43	-14 4.4	1.378	2.371	6.6	17.8
8 19	20 8.18	-27 27.9	2.058	2.986	9.4	20.1	8 19	20 3.92	-14 18.8	1.410	2.358	11.1	18.0
8 29	20 3.09	-27 50.6	2.129	2.980	12.4	20.3	8 29	19 57.83	-14 31.7	1.463	2.345	15.3	18.2
<b>440933</b>	2006 <i>XG</i> <sub>52</sub>		7 26.9 229°31		2°5/28.3 18		<b>351172</b>	2004 <i>BO</i> <sub>29</sub>					



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>511966</b>	2015 <i>KY</i> <sub>17</sub>		7 26.9 86°42'	4°0'/29.5 17			<b>475909</b>	2007 <i>DP</i> <sub>88</sub>		7 26.9 206°96'	2°9'/24.7 18		
6 20	20 48.83	- 6 23.6	1.894	2.709	15.4	21.1	6 20	20 52.03	-28 45.8	2.939	3.775	9.9	23.0
6 30	20 44.77	- 6 30.7	1.821	2.716	12.4	20.9	6 30	20 46.70	-29 16.2	2.852	3.769	7.7	22.8
7 10	20 38.70	- 6 54.1	1.767	2.724	9.0	20.7	7 10	20 39.72	-29 45.9	2.791	3.763	5.3	22.6
7 20	20 31.16	- 7 32.7	1.738	2.731	5.7	20.5	7 20	20 31.56	-30 11.5	2.757	3.756	3.3	22.5
7 30	20 22.97	- 8 23.8	1.734	2.738	4.0	20.4	7 30	20 22.84	-30 29.8	2.751	3.749	3.3	22.5
8 9	20 15.05	- 9 23.1	1.757	2.745	5.9	20.6	8 9	20 14.32	-30 38.6	2.774	3.741	5.4	22.6
8 19	20 8.28	-10 25.6	1.806	2.752	9.3	20.8	8 19	20 6.68	-30 37.2	2.825	3.733	7.9	22.8
8 29	20 3.40	-11 26.6	1.879	2.759	12.5	21.0	8 29	20 0.52	-30 26.1	2.901	3.724	10.2	22.9
<b>136118</b>	2003 <i>KV</i>		7 26.9 69°44'	0°4'/26.8 17			<b>121572</b>	1999 <i>VB</i> <sub>87</sub>		7 26.9 315°77'	4°8'/22.8 18		
6 20	20 55.94	-19 13.7	1.266	2.131	18.7	19.4	6 20	20 47.93	-25 27.8	1.853	2.717	13.7	19.6
6 30	20 51.10	-19 20.3	1.210	2.144	14.4	19.2	6 30	20 44.86	-27 16.7	1.755	2.688	10.6	19.3
7 10	20 43.20	-19 35.2	1.174	2.157	9.3	18.9	7 10	20 39.30	-29 15.8	1.681	2.660	7.4	19.1
7 20	20 33.09	-19 54.3	1.159	2.170	3.8	18.7	7 20	20 31.65	-31 17.4	1.632	2.632	5.0	18.9
7 30	20 22.14	-20 12.3	1.169	2.183	1.9	18.6	7 30	20 22.71	-33 11.7	1.611	2.605	5.8	18.9
8 9	20 11.91	-20 25.2	1.204	2.196	7.3	18.9	8 9	20 13.60	-34 50.3	1.616	2.578	9.1	19.0
8 19	20 3.73	-20 30.8	1.262	2.210	12.2	19.3	8 19	20 5.56	-36 7.4	1.646	2.551	12.7	19.2
8 29	19 58.54	-20 28.5	1.340	2.223	16.3	19.5	8 29	19 59.73	-37 1.0	1.697	2.525	16.1	19.3
<b>259855</b>	2004 <i>CF</i> <sub>86</sub>		7 26.9 201°47'	0°2'/26.9 17			<b>320288</b>	2007 <i>RQ</i> <sub>192</sub>		7 26.9 282°85'	5°3'/30.4 18		
6 20	20 53.42	-16 44.0	1.851	2.691	14.7	21.5	6 20	20 47.58	- 3 6.2	1.924	2.726	15.7	20.7
6 30	20 48.53	-17 8.2	1.769	2.689	11.4	21.3	6 30	20 44.00	- 3 6.9	1.828	2.712	13.0	20.4
7 10	20 41.30	-17 41.8	1.708	2.685	7.5	21.0	7 10	20 38.36	- 3 26.2	1.753	2.698	9.9	20.2
7 20	20 32.31	-18 21.5	1.672	2.681	3.2	20.8	7 20	20 31.12	- 4 4.5	1.700	2.683	6.9	20.0
7 30	20 22.45	-19 2.9	1.663	2.677	1.4	20.6	7 30	20 23.01	- 5 0.3	1.672	2.669	5.3	19.9
8 9	20 12.82	-19 41.7	1.681	2.672	5.8	20.9	8 9	20 14.97	- 6 9.7	1.671	2.654	6.7	19.9
8 19	20 4.48	-20 14.5	1.725	2.666	10.0	21.2	8 19	20 7.93	- 7 27.2	1.696	2.640	9.9	20.1
8 29	19 58.28	-20 39.4	1.793	2.660	13.6	21.4	8 29	20 2.73	- 8 46.9	1.744	2.626	13.2	20.3
<b>376917</b>	2002 <i>AM</i> <sub>49</sub>		7 26.9 120°89'	0°6'/27.3 17			<b>447663</b>	2006 <i>WG</i> <sub>83</sub>		7 26.9 218°10'	4°8'/23.5 18		
6 20	20 54.15	-16 13.3	2.104	2.934	13.6	21.9	6 20	20 52.27	-31 32.5	2.310	3.158	11.9	21.0
6 30	20 48.55	-16 23.5	2.038	2.952	10.4	21.8	6 30	20 47.42	-32 29.0	2.234	3.154	9.3	20.9
7 10	20 40.99	-16 41.0	1.994	2.968	6.9	21.6	7 10	20 40.46	-33 24.0	2.182	3.150	6.8	20.7
7 20	20 32.06	-17 3.2	1.976	2.985	3.0	21.4	7 20	20 31.93	-34 12.2	2.155	3.147	4.9	20.6
7 30	20 22.60	-17 27.1	1.986	3.000	1.3	21.3	7 30	20 22.67	-34 48.4	2.156	3.143	5.3	20.6
8 9	20 13.55	-17 49.7	2.025	3.015	5.0	21.6	8 9	20 13.65	-35 9.4	2.184	3.138	7.5	20.7
8 19	20 5.73	-18 8.8	2.090	3.030	8.6	21.8	8 19	20 5.80	-35 14.3	2.237	3.134	10.2	20.9
8 29	19 59.81	-18 23.0	2.180	3.044	11.7	22.0	8 29	19 59.89	-35 4.1	2.313	3.129	12.7	21.0
<b>300663</b>	2007 <i>UL</i> <sub>129</sub>		7 26.9 339°73'	1°8'/27.9 18			<b>12254</b>	1988 <i>XJ</i> <sub>1</sub>		7 26.9 283°03'	4°8'/23.2 18		
6 20	20 50.35	-13 52.1	1.929	2.765	14.4	20.6	6 20	20 50.25	-30 49.5	2.284	3.137	11.9	17.8
6 30	20 45.98	-13 45.3	1.849	2.764	11.2	20.4	6 30	20 45.92	-31 58.8	2.210	3.133	9.3	17.6
7 10	20 39.52	-13 47.7	1.790	2.763	7.6	20.2	7 10	20 39.52	-33 7.9	2.159	3.129	6.7	17.5
7 20	20 31.53	-13 58.0	1.757	2.762	3.8	20.0	7 20	20 31.56	-34 11.0	2.134	3.125	5.0	17.3
7 30	20 22.83	-14 13.9	1.749	2.761	2.0	19.9	7 30	20 22.83	-35 2.4	2.136	3.121	5.4	17.4
8 9	20 14.41	-14 32.5	1.769	2.761	5.4	20.1	8 9	20 14.31	-35 38.3	2.165	3.118	7.6	17.5
8 19	20 7.17	-14 51.0	1.814	2.760	9.2	20.3	8 19	20 6.90	-35 57.3	2.219	3.114	10.3	17.7
8 29	20 1.86	-15 7.4	1.883	2.760	12.6	20.5	8 29	20 1.40	-36 0.1	2.295	3.110	12.8	17.8
<b>412307</b>	2013 <i>JX</i> <sub>52</sub>		7 26.9 110°68'	5°2'/24.9 17			<b>254205</b>	2004 <i>RW</i> <sub>75</sub>		7 26.9 356°04'	5°8'/30.8 18		
6 20	20 59.66	-29 9.2	1.377	2.242	17.5	20.8	6 20	20 42.29	- 2 46.9	1.550	2.377	17.7	19.3
6 30	20 54.08	-29 51.3	1.319	2.250	13.6	20.5	6 30	20 40.27	- 2 49.6	1.473	2.371	14.7	19.0
7 10	20 45.23	-30 32.3	1.281	2.259	9.4	20.3	7 10	20 36.06	- 3 15.2	1.414	2.366	11.2	18.8
7 20	20 33.97	-31 4.4	1.266	2.267	5.9	20.2	7 20	20 30.17	- 4 4.0	1.376	2.362	7.8	18.6
7 30	20 21.76	-31 20.3	1.275	2.275	5.9	20.2	7 30	20 23.45	- 5 13.5	1.362	2.360	5.9	18.5
8 9	20 10.31	-31 16.5	1.309	2.283	9.4	20.4	8 9	20 16.97	- 6 38.2	1.372	2.359	7.3	18.6
8 19	20 1.05	-30 53.8	1.366	2.290	13.4	20.7	8 19	20 11.70	- 8 10.6	1.406	2.360	10.6	18.8
8 29	19 54.98	-30 15.8	1.444	2.298	17.0	20.9	8 29	20 8.50	- 9 43.0	1.462	2.361	14.2	19.0
<b>48212</b>	2001 <i>KO</i> <sub>24</sub>		7 26.9 4°11'	4°8'/29.1 18			<b>20923</b>	6846 <i>P-L</i>		7 26.9 200°45'	0°9'/27.6 18		
6 20	20 51.01	- 7 45.1	1.863	2.681	15.5	18.7	6 20	20 47.94	-14 11.8	2.619	3.444	11.3	20.0
6 30	20 46.50	- 7 4.5	1.784	2.681	12.6	18.5	6 30	20 43.64	-14 32.2	2.532	3.442	8.8	19.8
7 10	20 39.87	- 6 36.2	1.726	2.681	9.3	18.3	7 10	20 37.78	-15 0.6	2.468	3.439	5.9	19.6
7 20	20 31.68	- 6 21.0	1.691	2.681	6.2	18.2	7 20	20 30.77	-15 34.9	2.430	3.437	2.7	19.4
7 30	20 22.77	- 6 18.7	1.681	2.681	4.8	18.1	7 30	20 23.21	-16 12.7	2.420	3.434	1.2	19.3
8 9	20 14.14	- 6 27.4	1.698	2.681	6.7	18.2	8 9	20 15.80	-16 50.9	2.440	3.430	4.2	19.5
8 19	20 6.71	- 6 44.4	1.741	2.682	9.9	18.4	8 19	20 9.22	-17 26.9	2.486	3.427	7.3	19.7
8 29	20 1.25	- 7 6.1	1.806	2.683	13.1	18.6	8 29	20 4.04	-17 58.7	2.559	3.423	10.1	19.9
<b>272939</b>	2006 <i>BZ</i> <sub>265</sub>		7 26.9 234°56'	12°1'/4.0 17			<b>58186</b>	Langkavel		7 26.9 298°20'	0°5'/27.1 18		
6 20	20 51.50	+10 30.5	1.330	2.087	23.5	20.0	6 20	20 53.76	-17 15.0	1.323	2.186	18.2	19.3
6 30	20 47.97	+10 38.9	1.245	2.078	20.8	19.8	6 30	20 49.59	-17 19.2	1.251	2.183	14.2	19.1
7 10	20 41.49	+10 9.0	1.173	2.069	17.7	19.6	7 10	20 42.40	-17 34.0	1.198	2.180	9.4	18.8
7 20	20 32.58	+ 8 54.5	1.120	2.060	14.6	19.3	7 20	20 32.88	-17 56.0	1.167	2.177	4.0	18.5
7 30	20 22.29	+ 6 53.9	1.087	2.049	12.4	19.2	7 30	20 22.25	-18 20.7	1.161	2.175	1.7	18.3
8 9	20 12.06	+ 4 13.2	1.077	2.039	12.4	19.1	8 9	20 12.03	-18 43.2	1.179	2.172	7.2	18.7
8 19	20 3.31	+ 1 5.5	1.090	2.027	14.8	19.2	8 19	20 3.60	-19 0.2	1.220	2.170	12.3	18.9
8 29	19 57.30	- 2 12.5	1.126	2.015	18.3	19.4	8 29	19 58.06	-19 9.9	1.281	2.167	16.7	19.2
<b>114610</b>	2003 <i>DN</i> <sub>8</sub>		7 26.9 182°89'	0°4'/26.7 17			<b>510620</b>	2012 <i>TJ</i> <sub>138</sub>		7 26.9 297°28'			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>344924</b>	2004 <i>TB</i> <sub>17</sub>		7 26.9 336°44	21°1/ 2.9 17			<b>19004</b>	Chirayath		7 26.9 347°64	1°7/27.6 18		
6 20	20 51.63	+13 57.0	1.091	1.851	27.4	19.9	6 20	20 45.39	-14 58.5	0.986	1.876	20.8	17.8
6 30	20 48.51	+16 58.9	1.033	1.847	25.5	19.7	6 30	20 43.92	-14 54.7	0.920	1.866	16.4	17.5
7 10	20 42.07	+19 29.5	0.989	1.842	23.6	19.5	7 10	20 39.12	-15 7.2	0.871	1.857	11.1	17.1
7 20	20 32.89	+21 15.6	0.958	1.839	22.0	19.4	7 20	20 31.66	-15 33.7	0.840	1.850	5.2	16.8
7 30	20 22.21	+22 6.9	0.943	1.835	21.2	19.3	7 30	20 22.86	-16 9.4	0.831	1.845	2.3	16.6
8 9	20 11.71	+22 0.2	0.943	1.833	21.3	19.3	8 9	20 14.46	-16 47.8	0.842	1.841	8.1	16.9
8 19	20 3.07	+21 0.2	0.958	1.830	22.3	19.4	8 19	20 8.09	-17 22.8	0.874	1.838	13.9	17.2
8 29	19 57.64	+19 18.4	0.987	1.829	24.0	19.5	8 29	20 4.96	-17 49.8	0.923	1.837	19.0	17.5
<b>189524</b>	2000 <i>OV</i> <sub>34</sub>		7 26.9 356°78	6°4/31.5 16			<b>438215</b>	2005 <i>UY</i> <sub>267</sub>		7 26.9 272°31	5°1/29.9 18		
6 20	20 38.90	- 0 54.9	1.079	1.932	22.1	19.2	6 20	20 48.52	- 4 0.7	2.335	3.126	13.6	20.9
6 30	20 38.50	- 1 28.0	1.010	1.924	18.4	18.9	6 30	20 44.25	- 3 26.8	2.246	3.121	11.2	20.7
7 10	20 35.34	- 2 37.9	0.957	1.919	14.0	18.6	7 10	20 38.27	- 3 5.4	2.178	3.116	8.6	20.5
7 20	20 30.00	- 4 25.0	0.923	1.915	9.4	18.4	7 20	20 31.03	- 2 57.3	2.134	3.111	6.2	20.4
7 30	20 23.54	- 6 43.4	0.909	1.914	6.5	18.2	7 30	20 23.18	- 3 2.6	2.117	3.106	5.1	20.3
8 9	20 17.36	- 9 20.8	0.918	1.914	8.3	18.3	8 9	20 15.49	- 3 19.5	2.127	3.101	6.3	20.4
8 19	20 12.80	-12 1.7	0.949	1.916	12.7	18.6	8 19	20 8.68	- 3 45.6	2.163	3.096	8.7	20.5
8 29	20 10.96	-14 32.0	1.001	1.921	17.3	18.8	8 29	20 3.41	- 4 17.4	2.223	3.091	11.3	20.7
<b>217321</b>	2004 <i>PR</i> <sub>88</sub>		7 26.9 55°44	5°9/29.6 17			<b>414417</b>	2009 <i>CD</i> <sub>26</sub>		7 26.9 52°00	3°1/25.7 17		
6 20	20 51.85	- 6 25.2	1.184	2.028	21.0	19.8	6 20	20 55.42	-24 8.2	1.216	2.091	18.6	20.5
6 30	20 48.05	- 5 59.7	1.128	2.040	17.0	19.6	6 30	20 50.98	-24 38.1	1.163	2.102	14.3	20.2
7 10	20 41.29	- 5 56.3	1.088	2.051	12.5	19.4	7 10	20 43.28	-25 12.2	1.129	2.113	9.4	20.0
7 20	20 32.37	- 6 15.4	1.069	2.064	8.1	19.2	7 20	20 33.22	-25 43.9	1.116	2.125	4.5	19.8
7 30	20 22.53	- 6 54.4	1.073	2.076	5.9	19.1	7 30	20 22.24	-26 6.2	1.128	2.137	4.0	19.8
8 9	20 13.28	- 7 47.5	1.099	2.089	8.3	19.3	8 9	20 12.04	-26 14.9	1.163	2.149	8.5	20.1
8 19	20 5.93	- 8 47.5	1.148	2.102	12.5	19.6	8 19	20 4.02	-26 9.0	1.220	2.162	13.1	20.4
8 29	20 1.42	- 9 47.7	1.217	2.115	16.6	19.8	8 29	19 59.15	-25 50.1	1.298	2.175	17.2	20.7
<b>330461</b>	2007 <i>EA</i> <sub>146</sub>		7 26.9 338°36	0°4/27.1 17			<b>368078</b>	2012 <i>LB</i> <sub>8</sub>		7 26.9 301°13	0°1/26.9 18		
6 20	20 48.14	-15 47.7	1.401	2.266	17.2	20.0	6 20	20 45.97	-17 14.1	2.769	3.603	10.5	20.4
6 30	20 45.15	-16 13.4	1.326	2.259	13.4	19.8	6 30	20 42.11	-17 37.2	2.681	3.598	8.1	20.2
7 10	20 39.46	-16 52.7	1.270	2.252	8.9	19.5	7 10	20 36.78	-18 6.2	2.617	3.594	5.3	20.0
7 20	20 31.66	-17 42.0	1.236	2.246	3.8	19.2	7 20	20 30.39	-18 39.1	2.579	3.589	2.2	19.8
7 30	20 22.81	-18 35.7	1.226	2.240	1.6	19.0	7 30	20 23.48	-19 13.0	2.570	3.584	1.0	19.7
8 9	20 14.23	-19 27.5	1.241	2.235	6.8	19.3	8 9	20 16.72	-19 45.5	2.589	3.579	4.1	19.9
8 19	20 7.19	-20 12.4	1.279	2.231	11.7	19.6	8 19	20 10.71	-20 14.2	2.636	3.575	7.1	20.1
8 29	20 2.70	-20 47.1	1.339	2.227	16.0	19.8	8 29	20 6.03	-20 37.6	2.708	3.570	9.7	20.3
<b>326640</b>	2002 <i>SE</i> <sub>29</sub>		7 26.9 333°18	4°6/28.7 16			<b>379801</b>	2011 <i>JK</i> <sub>6</sub>		7 26.9 124°45	0°9/27.5 17		
6 20	20 42.39	-10 34.7	1.052	1.932	20.5	19.9	6 20	20 52.27	-14 29.6	1.909	2.744	14.5	21.6
6 30	20 41.55	-10 8.2	0.970	1.907	16.7	19.5	6 30	20 47.42	-14 55.8	1.839	2.755	11.3	21.4
7 10	20 37.62	-10 0.2	0.904	1.883	12.0	19.2	7 10	20 40.46	-15 32.6	1.792	2.766	7.5	21.2
7 20	20 31.08	-10 12.1	0.857	1.861	7.1	18.8	7 20	20 31.96	-16 16.8	1.769	2.777	3.3	21.0
7 30	20 23.03	-10 42.7	0.829	1.840	4.7	18.6	7 30	20 22.80	-17 4.3	1.773	2.787	1.4	20.9
8 9	20 15.05	-11 27.2	0.823	1.820	8.6	18.8	8 9	20 13.98	-17 50.7	1.805	2.796	5.4	21.2
8 19	20 8.75	-12 18.9	0.837	1.803	14.0	19.0	8 19	20 6.42	-18 32.4	1.863	2.806	9.2	21.4
8 29	20 5.53	-13 10.4	0.868	1.788	19.3	19.2	8 29	20 0.87	-19 7.0	1.945	2.815	12.6	21.6
<b>159308</b>	2006 <i>BV</i> <sub>98</sub>		7 26.9 256°33	3°6/29.5 18			<b>360718</b>	2004 <i>TC</i> <sub>130</sub>		7 26.9 306°54	5°6/30.6 18		
6 20	20 46.85	- 6 29.1	2.434	3.237	12.7	20.2	6 20	20 46.17	- 2 15.6	2.147	2.940	14.5	20.6
6 30	20 42.89	- 6 25.5	2.348	3.236	10.3	20.1	6 30	20 42.71	- 1 57.4	2.050	2.925	12.1	20.4
7 10	20 37.33	- 6 34.0	2.283	3.235	7.6	19.9	7 10	20 37.42	- 1 55.1	1.974	2.910	9.5	20.2
7 20	20 30.61	- 6 54.4	2.244	3.233	4.9	19.7	7 20	20 30.73	- 2 9.6	1.920	2.896	6.9	20.0
7 30	20 23.33	- 7 25.1	2.231	3.232	3.6	19.6	7 30	20 23.32	- 2 40.4	1.892	2.881	5.7	19.9
8 9	20 16.22	- 8 3.5	2.246	3.230	5.1	19.7	8 9	20 15.98	- 3 25.1	1.891	2.867	6.7	20.0
8 19	20 9.95	- 8 46.4	2.287	3.229	7.8	19.9	8 19	20 9.53	- 4 19.8	1.914	2.853	9.3	20.1
8 29	20 5.13	- 9 30.6	2.354	3.227	10.6	20.1	8 29	20 4.69	- 5 19.9	1.962	2.839	12.2	20.3
<b>392361</b>	2010 <i>GY</i> <sub>98</sub>		7 26.9 1°14	0°9/27.4 18			<b>192961</b>	2000 <i>CH</i> <sub>80</sub>		7 26.9 149°02	1°0/26.5 17		
6 20	20 48.93	-14 58.7	1.717	2.566	15.3	21.0	6 20	20 57.59	-20 36.8	1.408	2.266	17.5	20.0
6 30	20 45.19	-15 18.9	1.641	2.565	11.9	20.7	6 30	20 52.34	-20 46.8	1.340	2.270	13.5	19.8
7 10	20 39.18	-15 50.5	1.587	2.565	7.9	20.5	7 10	20 44.09	-21 3.3	1.292	2.273	8.8	19.5
7 20	20 31.47	-16 30.4	1.556	2.565	3.5	20.2	7 20	20 33.58	-21 21.9	1.267	2.277	3.7	19.2
7 30	20 22.95	-17 14.5	1.551	2.565	1.5	20.1	7 30	20 22.10	-21 37.6	1.267	2.280	2.1	19.2
8 9	20 14.72	-17 58.2	1.573	2.566	5.8	20.4	8 9	20 11.15	-21 46.4	1.292	2.283	7.2	19.5
8 19	20 7.79	-18 37.6	1.619	2.567	10.0	20.6	8 19	20 2.09	-21 46.6	1.342	2.285	12.0	19.8
8 29	20 2.98	-19 9.7	1.688	2.568	13.7	20.9	8 29	19 55.91	-21 38.2	1.413	2.288	16.2	20.0
<b>217743</b>	2000 <i>CK</i> <sub>26</sub>		7 26.9 257°09	0°8/26.6 18			<b>281793</b>	2009 <i>UX</i> <sub>111</sub>		7 26.9 165°77	1°9/28.1 17		
6 20	20 54.77	-20 28.1	1.652	2.505	15.6	20.1	6 20	20 52.73	-12 21.2	2.209	3.028	13.4	22.4
6 30	20 49.93	-20 34.3	1.568	2.495	12.1	19.9	6 30	20 47.52	-12 25.7	2.129	3.033	10.5	22.2
7 10	20 42.44	-20 46.2	1.504	2.485	7.9	19.6	7 10	20 40.42	-12 39.9	2.071	3.038	7.2	22.0
7 20	20 32.89	-21 0.4	1.464	2.474	3.3	19.3	7 20	20 31.94	-13 2.2	2.038	3.042	3.7	21.8
7 30	20 22.31	-21 12.7	1.451	2.464	1.9	19.2	7 30	20 22.83	-13 30.1	2.034	3.045	2.0	21.7
8 9	20 12.01	-21 19.6	1.463	2.453	6.6	19.5	8 9	20 13.98	-14 0.6	2.058	3.048	5.0	21.9
8 19	20 3.19	-21 19.4	1.501	2.443	11.1	19.7	8 19	20 6.20	-14 30.7	2.109	3.050	8.4	22.1
8 29	19 56.85	-21 11.5	1.561	2.432	15.1	19.9	8 29	20 0.17	-14 58.3	2.185	3.052	11.5	22.3
<b>240183</b>	2002 <i>QA</i> <sub>74</sub>		7 26.9 338°03	3°9/24.9 18			<b>521656</b>	2015 <i>RG</i> <sub>40&lt;/</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>166475</b>	2002 <i>PW</i> <sub>119</sub>		7 26.9 288°64	1.7°/27.9	18		<b>274322</b>	2008 <i>RP</i> <sub>5</sub>		7 26.9 7°45	10°0°/23.5	16	
6 20	20 49.92	-13 42.6	1.884	2.722	14.6	19.9	6 20	20 54.91	-38 37.5	1.205	2.082	18.7	20.1
6 30	20 45.82	-13 43.1	1.797	2.714	11.5	19.6	6 30	20 51.23	-39 31.5	1.154	2.083	15.3	19.8
7 10	20 39.56	-13 53.7	1.732	2.705	7.8	19.4	7 10	20 43.76	-40 14.3	1.121	2.085	12.2	19.7
7 20	20 31.66	-14 13.0	1.690	2.697	3.9	19.2	7 20	20 33.51	-40 35.3	1.109	2.088	10.2	19.6
7 30	20 22.94	-14 38.2	1.675	2.688	2.0	19.0	7 30	20 22.21	-40 26.5	1.117	2.093	10.5	19.6
8 9	20 14.41	-15 6.1	1.687	2.680	5.6	19.2	8 9	20 11.87	-39 46.1	1.148	2.099	13.0	19.8
8 19	20 7.04	-15 33.3	1.725	2.671	9.6	19.4	8 19	20 4.11	-38 38.0	1.198	2.106	16.2	20.0
8 29	20 1.64	-15 57.3	1.785	2.663	13.1	19.7	8 29	19 59.96	-37 9.5	1.267	2.114	19.3	20.2
<b>59822</b>	1999 <i>RK</i> <sub>26</sub>		7 26.9 251°80	2°0°/28.4	18		<b>17554</b>	1993 <i>VY</i>		7 26.9 259°69	15°8°/15.1	18	
6 20	20 47.41	-10 42.2	2.459	3.277	12.2	19.3	6 20	21 13.89	-56 13.7	1.696	2.487	17.9	18.2
6 30	20 43.41	-11 1.2	2.364	3.267	9.6	19.1	6 30	21 7.39	-58 15.0	1.636	2.469	16.7	18.0
7 10	20 37.75	-11 31.1	2.292	3.257	6.7	18.9	7 10	20 55.45	-59 57.7	1.595	2.451	15.9	17.9
7 20	20 30.85	-12 10.4	2.246	3.248	3.6	18.7	7 20	20 38.83	-61 7.3	1.572	2.432	15.9	17.9
7 30	20 23.31	-12 56.5	2.227	3.238	2.1	18.5	7 30	20 19.72	-61 32.0	1.569	2.412	16.7	17.9
8 9	20 15.88	-13 46.2	2.237	3.228	4.6	18.7	8 9	20 1.39	-61 7.8	1.585	2.392	18.1	17.9
8 19	20 9.26	-14 36.0	2.274	3.217	7.8	18.9	8 19	19 46.73	-59 59.3	1.618	2.372	19.8	18.0
8 29	20 4.10	-15 22.9	2.336	3.207	10.7	19.0	8 29	19 37.51	-58 16.5	1.665	2.351	21.6	18.1
<b>55501</b>	2001 <i>UH</i> <sub>92</sub>		7 26.9 137°04	2°3°/25.4	18		<b>274839</b>	2009 <i>QD</i> <sub>22</sub>		7 26.9 194°86	2°7°/25.7	17	
6 20	20 51.32	-24 16.1	2.261	3.108	12.2	19.6	6 20	20 56.31	-25 3.2	1.744	2.597	14.9	20.6
6 30	20 46.53	-24 51.7	2.188	3.113	9.3	19.4	6 30	20 50.96	-25 26.0	1.669	2.596	11.5	20.4
7 10	20 39.81	-25 29.8	2.138	3.117	6.1	19.2	7 10	20 43.01	-25 51.0	1.615	2.595	7.6	20.2
7 20	20 31.69	-26 6.5	2.115	3.122	3.1	19.0	7 20	20 33.11	-26 13.1	1.586	2.593	3.8	19.9
7 30	20 22.96	-26 37.6	2.119	3.126	2.8	19.0	7 30	20 22.35	-26 27.5	1.583	2.591	3.4	19.9
8 9	20 14.53	-27 0.0	2.151	3.130	5.8	19.2	8 9	20 11.98	-26 30.9	1.607	2.589	7.1	20.1
8 19	20 7.21	-27 12.3	2.209	3.134	8.9	19.4	8 19	20 3.17	-26 22.4	1.656	2.587	11.0	20.3
8 29	20 1.70	-27 14.3	2.291	3.138	11.8	19.6	8 29	19 56.83	-26 3.0	1.728	2.584	14.6	20.6
<b>337312</b>	2001 <i>AW</i> <sub>39</sub>		7 26.9 266°16	1°6°/25.9	18		<b>251509</b>	2008 <i>FY</i> <sub>13</sub>		7 26.9 15°43	8°0°/23.2	18	
6 20	20 52.87	-21 10.0	2.083	2.926	13.2	21.5	6 20	20 57.61	-40 27.9	1.926	2.768	14.2	19.7
6 30	20 48.19	-21 48.1	1.978	2.901	10.2	21.2	6 30	20 51.99	-41 9.8	1.865	2.770	11.7	19.6
7 10	20 41.23	-22 33.0	1.896	2.876	6.7	21.0	7 10	20 43.63	-41 41.8	1.826	2.773	9.4	19.4
7 20	20 32.43	-23 20.7	1.840	2.849	3.0	20.7	7 20	20 33.33	-41 56.9	1.810	2.776	8.1	19.4
7 30	20 22.58	-24 6.3	1.811	2.822	2.4	20.6	7 30	20 22.30	-41 50.1	1.819	2.780	8.4	19.4
8 9	20 12.70	-24 45.3	1.811	2.795	6.2	20.8	8 9	20 11.94	-41 19.8	1.853	2.784	10.2	19.5
8 19	20 3.85	-25 14.4	1.836	2.767	10.1	21.0	8 19	20 3.40	-40 28.2	1.910	2.788	12.5	19.7
8 29	19 56.97	-25 32.4	1.885	2.738	13.7	21.2	8 29	19 57.54	-39 19.7	1.989	2.793	14.9	19.9
<b>175843</b>	1999 <i>TH</i> <sub>205</sub>		7 26.9 257°98	5°2°/24.3	18		<b>347951</b>	2003 <i>OM</i> <sub>29</sub>		7 26.9 317°36	3°2°/28.9	18	
6 20	20 56.07	-29 14.6	1.609	2.470	15.6	20.5	6 20	20 45.61	-7 57.9	1.524	2.366	17.3	19.9
6 30	20 51.30	-30 7.3	1.530	2.459	12.2	20.2	6 30	20 43.15	-8 30.4	1.430	2.344	13.9	19.6
7 10	20 43.54	-31 0.9	1.471	2.448	8.6	20.0	7 10	20 38.21	-9 25.0	1.354	2.324	9.9	19.3
7 20	20 33.44	-31 48.1	1.437	2.436	5.6	19.8	7 20	20 31.25	-10 40.5	1.302	2.304	5.6	19.0
7 30	20 22.15	-32 21.3	1.428	2.424	5.9	19.8	7 30	20 23.12	-12 12.6	1.273	2.284	3.2	18.8
8 9	20 11.15	-32 35.6	1.443	2.412	9.2	19.9	8 9	20 15.00	-13 53.7	1.270	2.265	6.6	19.0
8 19	20 1.83	-32 30.0	1.483	2.400	13.0	20.1	8 19	20 8.08	-15 35.6	1.291	2.247	11.3	19.2
8 29	19 55.32	-32 6.4	1.543	2.388	16.6	20.3	8 29	20 3.44	-17 10.5	1.335	2.229	15.7	19.4
<b>258933</b>	2002 <i>RC</i> <sub>90</sub>		7 26.9 301°96	0°3°/27.0	18		<b>72198</b>	2000 <i>YY</i> <sub>129</sub>		7 26.9 8°63	5°8°/28.9	18	
6 20	20 51.21	-17 39.1	1.404	2.268	17.3	20.4	6 20	20 53.40	-8 47.7	1.336	2.177	19.3	19.1
6 30	20 47.86	-17 44.3	1.308	2.241	13.6	20.1	6 30	20 49.13	-7 48.8	1.266	2.177	15.7	18.9
7 10	20 41.53	-17 59.7	1.232	2.214	9.1	19.8	7 10	20 42.02	-7 4.4	1.215	2.177	11.5	18.6
7 20	20 32.71	-18 22.8	1.177	2.188	3.9	19.4	7 20	20 32.77	-6 36.3	1.184	2.178	7.6	18.4
7 30	20 22.43	-18 49.0	1.147	2.161	1.7	19.2	7 30	20 22.52	-6 25.0	1.177	2.179	5.9	18.3
8 9	20 12.12	-19 13.5	1.141	2.135	7.3	19.5	8 9	20 12.69	-6 28.6	1.195	2.181	8.3	18.5
8 19	20 3.28	-19 32.4	1.158	2.109	12.7	19.7	8 19	20 4.56	-6 43.5	1.235	2.183	12.4	18.7
8 29	19 57.19	-19 43.3	1.196	2.084	17.5	19.9	8 29	19 59.14	-7 5.0	1.295	2.185	16.3	18.9
<b>131026</b>	2000 <i>XE</i> <sub>41</sub>		7 26.9 208°18	1°9°/25.9	18		<b>191693</b>	2004 <i>RG</i> <sub>150</sub>		7 26.9 300°25	2°2°/25.7	17	
6 20	20 56.07	-24 24.5	2.328	3.164	12.2	20.5	6 20	20 51.06	-21 45.1	1.649	2.510	15.2	20.2
6 30	20 50.15	-24 37.4	2.240	3.158	9.4	20.3	6 30	20 47.14	-22 28.1	1.571	2.503	11.7	20.0
7 10	20 42.18	-24 51.6	2.175	3.151	6.2	20.1	7 10	20 40.66	-23 18.3	1.513	2.496	7.7	19.7
7 20	20 32.70	-25 3.6	2.136	3.144	2.9	19.8	7 20	20 32.20	-24 10.6	1.480	2.489	3.5	19.5
7 30	20 22.52	-25 10.3	2.127	3.136	2.4	19.8	7 30	20 22.76	-24 58.8	1.472	2.483	3.0	19.4
8 9	20 12.59	-25 9.2	2.146	3.128	5.6	20.0	8 9	20 13.56	-25 37.6	1.490	2.476	7.1	19.7
8 19	20 3.80	-24 59.7	2.192	3.118	9.0	20.2	8 19	20 5.79	-26 3.8	1.533	2.470	11.3	19.9
8 29	19 56.90	-24 42.1	2.263	3.109	12.0	20.4	8 29	20 0.41	-26 16.5	1.597	2.463	15.1	20.1
<b>123499</b>	2000 <i>WY</i> <sub>178</sub>		7 26.9 153°48	4°5°/29.9	18		<b>129817</b>	1999 <i>NE</i> <sub>25</sub>		7 26.9 33°04	4°9°/24.8	18	
6 20	20 49.36	-4 20.6	2.648	3.431	12.3	20.0	6 20	20 50.45	-24 19.8	0.963	1.861	20.5	18.5
6 30	20 44.62	-3 50.6	2.565	3.436	10.1	19.9	6 30	20 47.73	-25 35.1	0.927	1.878	15.7	18.3
7 10	20 38.38	-3 31.8	2.504	3.440	7.7	19.7	7 10	20 41.42	-26 56.3	0.908	1.896	10.4	18.0
7 20	20 31.06	-3 24.5	2.468	3.444	5.5	19.6	7 20	20 32.52	-28 12.6	0.908	1.916	5.7	17.9
7 30	20 23.26	-3 28.6	2.459	3.448	4.5	19.5	7 30	20 22.70	-29 13.3	0.931	1.937	5.9	17.9
8 9	20 15.65	-3 42.4	2.478	3.452	5.5	19.6	8 9	20 13.83	-29 51.5	0.975	1.959	10.2	18.3
8 19	20 8.86	-4 3.7	2.525	3.455	7.7	19.8	8 19	20 7.43	-30 5.8	1.040	1.981	14.8	18.6
8 29	20 3.46	-4 29.9	2.596	3.458	10.1	19.9	8 29	20 4.45	-29 58.7	1.122	2.005	18.8	18.9
<b>65215</b>	2002 <i>EX</i> <sub>13</sub>		7 26.9 26°56	0°1°/26.9	17		<b>448614</b>	2010					

EPHEMERIDES

7 26.9

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>286510</b>	2002 CX <sub>24</sub>		7 26.9 184°03	1°2/27.9	18		<b>198406</b>	2004 VZ <sub>56</sub>		7 26.9 211°74	5°9/22.8	18	
6 20	20 48.10	-12 37.6	2.547	3.368	11.7	20.9	6 20	20 56.92	-35 12.4	2.369	3.206	12.0	21.8
6 30	20 43.84	-13 5.5	2.461	3.368	9.2	20.7	6 30	20 51.13	-36 14.6	2.290	3.199	9.6	21.7
7 10	20 37.98	-13 42.9	2.398	3.368	6.2	20.5	7 10	20 43.03	-37 13.1	2.234	3.191	7.4	21.5
7 20	20 30.95	-14 27.8	2.362	3.367	3.0	20.3	7 20	20 33.17	-38 1.8	2.204	3.182	6.0	21.4
7 30	20 23.36	-15 17.1	2.354	3.367	1.4	20.2	7 30	20 22.45	-38 35.3	2.202	3.173	6.4	21.4
8 9	20 15.92	-16 7.6	2.375	3.366	4.3	20.4	8 9	20 11.97	-38 50.2	2.226	3.163	8.3	21.5
8 19	20 9.32	-16 55.9	2.423	3.365	7.5	20.6	8 19	20 2.74	-38 46.1	2.276	3.153	10.8	21.7
8 29	20 4.15	-17 39.6	2.497	3.363	10.3	20.8	8 29	19 55.62	-38 25.2	2.348	3.142	13.2	21.8
<b>85574</b>	1998 CG		7 26.9 172°64	2°1/28.4	18		<b>438915</b>	2010 CJ <sub>5</sub>		7 26.9 119°79	0°6/26.6	17	
6 20	20 49.00	-11 13.1	2.279	3.100	12.9	20.2	6 20	20 51.77	-18 25.7	1.990	2.833	13.7	21.5
6 30	20 44.67	-11 21.3	2.196	3.101	10.2	20.0	6 30	20 47.06	-19 1.9	1.920	2.842	10.5	21.4
7 10	20 38.59	-11 40.0	2.135	3.102	7.1	19.8	7 10	20 40.27	-19 45.7	1.873	2.851	6.8	21.1
7 20	20 31.22	-12 7.7	2.100	3.102	3.8	19.6	7 20	20 31.97	-20 33.1	1.851	2.861	2.8	20.9
7 30	20 23.25	-12 42.0	2.092	3.103	2.2	19.5	7 30	20 23.01	-21 19.6	1.856	2.869	1.6	20.8
8 9	20 15.49	-13 19.8	2.113	3.103	4.8	19.7	8 9	20 14.37	-22 1.0	1.889	2.878	5.5	21.1
8 19	20 8.68	-13 58.0	2.160	3.103	8.1	19.9	8 19	20 6.96	-22 34.4	1.949	2.886	9.2	21.4
8 29	20 3.47	-14 33.8	2.231	3.104	11.1	20.1	8 29	20 1.51	-22 58.5	2.032	2.894	12.4	21.6
<b>452185</b>	2015 RA <sub>91</sub>		7 26.9 291°65	3°6/28.9	17		<b>444139</b>	2004 VK <sub>15</sub>		7 26.9 319°94	2°5/25.3	17	
6 20	20 48.51	- 8 34.3	2.326	3.137	13.0	21.2	6 20	20 48.15	-23 28.9	2.018	2.876	13.0	21.0
6 30	20 44.39	- 8 10.8	2.224	3.118	10.5	21.0	6 30	20 44.53	-24 12.7	1.932	2.863	10.0	20.8
7 10	20 38.48	- 7 57.3	2.144	3.100	7.7	20.8	7 10	20 38.79	-25 1.4	1.869	2.850	6.6	20.5
7 20	20 31.22	- 7 54.1	2.089	3.082	4.9	20.6	7 20	20 31.42	-25 50.6	1.830	2.838	3.3	20.3
7 30	20 23.25	- 8 0.5	2.061	3.064	3.6	20.4	7 30	20 23.22	-26 35.0	1.818	2.826	3.1	20.3
8 9	20 15.35	- 8 14.8	2.061	3.046	5.5	20.5	8 9	20 15.18	-27 10.5	1.833	2.814	6.4	20.5
8 19	20 8.30	- 8 34.7	2.087	3.028	8.5	20.7	8 19	20 8.25	-27 34.4	1.873	2.803	10.0	20.6
8 29	20 2.80	- 8 57.5	2.137	3.010	11.5	20.8	8 29	20 3.26	-27 46.0	1.936	2.792	13.2	20.8
<b>73571</b>	4755 P-L		7 26.9 277°99	6°5/31.0	18		<b>79819</b>	1998 VE <sub>46</sub>		7 26.9 338°53	3°8/25.9	18	
6 20	20 48.08	- 0 34.3	1.912	2.702	16.2	20.1	6 20	20 54.96	-27 42.7	1.237	2.114	18.2	18.2
6 30	20 44.45	- 0 22.3	1.816	2.687	13.6	19.9	6 30	20 50.99	-27 41.0	1.164	2.104	14.2	18.0
7 10	20 38.74	- 0 29.9	1.739	2.672	10.8	19.7	7 10	20 43.59	-27 37.5	1.111	2.095	9.6	17.7
7 20	20 31.40	- 0 58.5	1.684	2.656	8.0	19.5	7 20	20 33.56	-27 26.5	1.079	2.086	5.1	17.4
7 30	20 23.16	- 1 47.4	1.653	2.641	6.5	19.4	7 30	20 22.31	-27 2.8	1.070	2.078	4.5	17.3
8 9	20 14.97	- 2 53.4	1.649	2.625	7.5	19.4	8 9	20 11.63	-26 24.2	1.085	2.072	8.9	17.6
8 19	20 7.78	- 4 11.2	1.670	2.609	10.3	19.6	8 19	20 3.09	-25 32.1	1.121	2.066	13.7	17.8
8 29	20 2.44	- 5 34.4	1.714	2.594	13.5	19.7	8 29	19 57.82	-24 30.1	1.178	2.061	18.1	18.1
<b>425644</b>	2010 VD <sub>185</sub>		7 26.9 285°18	0°5/26.8	17		<b>295190</b>	2008 FR <sub>100</sub>		7 26.9 70°67	1°1/27.8	18	
6 20	20 54.38	-19 50.6	1.470	2.329	16.9	21.8	6 20	20 48.00	-13 30.7	2.210	3.042	12.9	20.9
6 30	20 50.12	-19 51.8	1.380	2.311	13.2	21.5	6 30	20 43.97	-13 55.8	2.134	3.048	10.0	20.7
7 10	20 42.89	-19 59.8	1.310	2.292	8.7	21.2	7 10	20 38.18	-14 30.8	2.081	3.053	6.7	20.5
7 20	20 33.26	-20 11.3	1.262	2.273	3.7	20.8	7 20	20 31.09	-15 13.5	2.052	3.059	3.2	20.3
7 30	20 22.32	-20 22.1	1.240	2.253	1.8	20.7	7 30	20 23.42	-16 0.3	2.052	3.065	1.4	20.2
8 9	20 11.53	-20 28.2	1.242	2.234	7.2	20.9	8 9	20 15.99	-16 47.5	2.079	3.071	4.7	20.4
8 19	20 2.30	-20 27.3	1.269	2.215	12.3	21.2	8 19	20 9.55	-17 31.9	2.132	3.077	8.2	20.7
8 29	19 55.82	-20 18.7	1.316	2.196	16.8	21.4	8 29	20 4.75	-18 10.7	2.211	3.082	11.2	20.9
<b>360878</b>	2005 SU <sub>44</sub>		7 26.9 216°35	5°2/30.8	18		<b>260104</b>	2004 NJ <sub>31</sub>		7 26.9 314°97	1°2/26.1	18	
6 20	20 47.62	- 1 25.9	2.528	3.303	13.1	21.4	6 20	20 46.74	-18 6.3	1.863	2.718	14.0	19.4
6 30	20 43.48	- 1 9.6	2.437	3.299	10.9	21.2	6 30	20 43.74	-19 3.8	1.762	2.692	10.8	19.2
7 10	20 37.76	- 1 7.4	2.367	3.295	8.5	21.0	7 10	20 38.48	-20 13.6	1.683	2.665	7.1	18.9
7 20	20 30.88	- 1 19.8	2.321	3.290	6.3	20.9	7 20	20 31.39	-21 31.3	1.629	2.639	3.0	18.6
7 30	20 23.44	- 1 46.3	2.302	3.286	5.2	20.8	7 30	20 23.24	-22 51.0	1.601	2.614	2.1	18.5
8 9	20 16.12	- 2 24.7	2.309	3.281	6.1	20.9	8 9	20 15.04	-24 6.1	1.600	2.588	6.4	18.7
8 19	20 9.60	- 3 11.8	2.344	3.275	8.2	21.0	8 19	20 7.87	-25 11.4	1.625	2.564	10.6	18.9
8 29	20 4.48	- 4 3.9	2.403	3.270	10.6	21.1	8 29	20 2.69	-26 3.4	1.672	2.539	14.4	19.1
<b>22827</b>	Arvernia		7 26.9 317°88	4°9/29.3	18		<b>113034</b>	2002 RM <sub>48</sub>		7 26.9 348°26	2°6/25.8	17	
6 20	20 47.48	- 7 31.2	1.300	2.148	19.3	18.3	6 20	20 44.87	-21 4.9	1.037	1.934	19.4	18.9
6 30	20 44.90	- 7 23.4	1.218	2.134	15.7	18.0	6 30	20 43.59	-21 46.0	0.971	1.923	15.0	18.6
7 10	20 39.51	- 7 36.4	1.153	2.121	11.5	17.7	7 10	20 38.99	-22 38.6	0.923	1.914	9.8	18.3
7 20	20 31.86	- 8 10.7	1.109	2.107	7.1	17.5	7 20	20 31.73	-23 36.3	0.895	1.906	4.4	17.9
7 30	20 22.96	- 9 4.1	1.088	2.095	4.9	17.3	7 30	20 23.12	-24 30.3	0.888	1.900	3.7	17.9
8 9	20 14.20	-10 10.6	1.090	2.083	7.8	17.4	8 9	20 14.92	-25 12.5	0.902	1.895	9.0	18.2
8 19	20 6.94	-11 23.2	1.114	2.071	12.4	17.7	8 19	20 8.72	-25 38.0	0.937	1.892	14.5	18.5
8 29	20 2.33	-12 34.3	1.159	2.061	16.9	17.9	8 29	20 5.77	-25 45.5	0.990	1.890	19.2	18.7
<b>288801</b>	2004 RD <sub>156</sub>		7 26.9 344°00	5°9/30.5	15		<b>169011</b>	2001 DW <sub>43</sub>		7 26.9 149°17	0°2/27.0	17	
6 20	20 45.28	- 3 27.3	1.798	2.611	16.2	20.3	6 20	20 55.53	-17 15.0	1.807	2.646	15.1	21.2
6 30	20 42.34	- 3 4.4	1.713	2.602	13.4	20.1	6 30	20 50.12	-17 32.1	1.735	2.654	11.6	21.0
7 10	20 37.35	- 2 59.1	1.649	2.594	10.3	19.9	7 10	20 42.36	-17 57.4	1.685	2.662	7.6	20.8
7 20	20 30.81	- 3 12.3	1.606	2.587	7.4	19.7	7 20	20 32.89	-18 27.7	1.660	2.669	3.2	20.6
7 30	20 23.49	- 3 43.4	1.587	2.581	5.9	19.6	7 30	20 22.66	-18 58.8	1.661	2.675	1.4	20.4
8 9	20 16.34	- 4 29.4	1.594	2.575	7.2	19.7	8 9	20 12.82	-19 26.9	1.691	2.681	5.8	20.7
8 19	20 10.28	- 5 25.4	1.625	2.570	10.1	19.9	8 19	20 4.39	-19 49.3	1.746	2.687	9.9	21.0
8 29	20 6.09	- 6 26.1	1.678	2.566	13.3	20.0	8 29	19 58.19	-20 4.6	1.825	2.691	13.4	21.2
<b>336898</b>	2011 GW <sub>77</sub>		7 26.9 79°29	4°5/29.2	17		<b>365576</b>	2010 TU <sub>104</sub>		7 26.9 218°91	1°8/28.2	18	
6 20	20 52.69	- 7 52.8	1.										

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>5823</b>	Oryo		7 26.9 283°81	0°4/26.8	18	R	<b>253444</b>	2003 RA <sub>6</sub>		7 26.9 293°04	3°4/28.2	18	
6 20	20 52.82	-20 5.8	1.945	2.791	13.9	17.1	6 20	20 53.32	-11 52.8	1.499	2.340	17.5	21.0
6 30	20 48.14	-20 4.4	1.851	2.774	10.8	16.8	6 30	20 49.50	-11 33.7	1.388	2.304	14.2	20.7
7 10	20 41.18	-20 7.6	1.779	2.758	7.1	16.6	7 10	20 42.74	-11 27.1	1.296	2.267	10.1	20.4
7 20	20 32.46	-20 12.8	1.731	2.741	3.0	16.3	7 20	20 33.40	-11 33.4	1.226	2.229	5.6	20.0
7 30	20 22.83	-20 17.1	1.711	2.724	1.5	16.1	7 30	20 22.40	-11 51.0	1.181	2.191	3.5	19.8
8 9	20 13.37	-20 17.7	1.717	2.707	5.8	16.4	8 9	20 11.09	-12 16.8	1.160	2.152	7.5	19.9
8 19	20 5.11	-20 13.3	1.750	2.691	9.8	16.6	8 19	20 0.96	-12 46.7	1.164	2.114	12.8	20.1
8 29	19 58.90	-20 3.1	1.805	2.674	13.5	16.8	8 29	19 53.38	-13 16.8	1.188	2.075	17.7	20.3
<b>519137</b>	2010 MY <sub>97</sub>		7 26.9 272°50	4°1/24.8	18		<b>304473</b>	2006 US <sub>79</sub>		7 26.9 341°69	2°5/25.7	18	
6 20	20 54.86	-31 12.4	2.239	3.084	12.3	21.5	6 20	20 51.64	-24 43.8	1.884	2.740	13.8	20.6
6 30	20 49.39	-31 32.6	2.162	3.082	9.6	21.4	6 30	20 47.25	-25 8.1	1.808	2.737	10.6	20.3
7 10	20 41.77	-31 49.6	2.108	3.079	6.8	21.2	7 10	20 40.57	-25 34.8	1.754	2.734	7.0	20.1
7 20	20 32.61	-31 59.1	2.080	3.076	4.5	21.0	7 20	20 32.20	-25 59.6	1.725	2.732	3.5	19.9
7 30	20 22.80	-31 57.4	2.078	3.074	4.5	21.0	7 30	20 23.05	-26 18.1	1.722	2.730	3.1	19.9
8 9	20 13.37	-31 42.6	2.105	3.071	6.9	21.2	8 9	20 14.24	-26 27.1	1.745	2.728	6.6	20.1
8 19	20 5.24	-31 14.9	2.157	3.069	9.8	21.3	8 19	20 6.75	-26 25.2	1.794	2.726	10.2	20.3
8 29	19 59.14	-30 36.1	2.232	3.066	12.5	21.5	8 29	20 1.41	-26 12.8	1.865	2.725	13.5	20.5
<b>52948</b>	1998 SH <sub>145</sub>		7 26.9 295°86	2°2/25.9	18		<b>287276</b>	2002 TG <sub>167</sub>		7 26.9 311°39	1°8/27.6	18	
6 20	20 52.24	-22 6.1	1.489	2.354	16.4	19.7	6 20	20 52.65	-16 9.4	1.720	2.565	15.4	20.1
6 30	20 48.58	-22 36.8	1.397	2.331	12.7	19.4	6 30	20 48.25	-15 36.6	1.628	2.549	12.2	19.8
7 10	20 41.98	-23 15.0	1.325	2.309	8.4	19.1	7 10	20 41.38	-15 9.9	1.557	2.533	8.3	19.6
7 20	20 32.96	-23 55.9	1.276	2.286	3.9	18.8	7 20	20 32.61	-14 48.5	1.510	2.517	4.1	19.3
7 30	20 22.58	-24 33.0	1.252	2.263	3.1	18.7	7 30	20 22.87	-14 31.2	1.489	2.502	2.2	19.1
8 9	20 12.25	-25 0.7	1.253	2.241	7.8	18.9	8 9	20 13.32	-14 16.5	1.494	2.487	6.2	19.3
8 19	20 3.43	-25 15.5	1.277	2.218	12.7	19.1	8 19	20 5.08	-14 3.2	1.525	2.472	10.5	19.5
8 29	19 57.31	-25 16.6	1.322	2.196	17.1	19.3	8 29	19 59.08	-13 50.0	1.577	2.458	14.4	19.8
<b>374921</b>	2006 XE <sub>71</sub>		7 26.9 148°42	1°2/26.3	17		<b>507162</b>	2010 AF <sub>41</sub>		7 26.9 100°82	0°3/27.2	17	
6 20	20 54.58	-20 30.0	1.876	2.721	14.3	22.0	6 20	20 53.77	-17 0.0	1.959	2.796	14.1	22.1
6 30	20 49.39	-21 0.4	1.805	2.728	11.0	21.7	6 30	20 48.49	-17 12.8	1.896	2.814	10.9	21.9
7 10	20 41.89	-21 36.7	1.755	2.735	7.1	21.5	7 10	20 41.15	-17 32.9	1.855	2.831	7.1	21.7
7 20	20 32.71	-22 14.8	1.731	2.741	3.0	21.3	7 20	20 32.37	-17 57.6	1.839	2.848	3.0	21.5
7 30	20 22.79	-22 50.0	1.734	2.747	2.0	21.2	7 30	20 23.03	-18 23.2	1.851	2.865	1.2	21.4
8 9	20 13.23	-23 18.4	1.765	2.752	6.0	21.5	8 9	20 14.13	-18 46.7	1.891	2.882	5.3	21.7
8 19	20 5.04	-23 37.6	1.821	2.757	9.9	21.7	8 19	20 6.54	-19 5.7	1.957	2.898	9.0	22.0
8 29	19 59.02	-23 47.1	1.901	2.761	13.3	22.0	8 29	20 0.94	-19 18.9	2.047	2.914	12.2	22.2
<b>371475</b>	2006 TM <sub>27</sub>		7 26.9 203°33	2°2/28.2	17		<b>139887</b>	2001 RS <sub>88</sub>		7 26.9 307°36	0°5/26.7	18	
6 20	20 53.24	-11 49.2	1.917	2.742	14.9	22.1	6 20	20 49.47	-18 26.8	1.960	2.808	13.7	19.7
6 30	20 48.35	-11 53.9	1.831	2.738	11.8	21.9	6 30	20 45.50	-18 54.5	1.878	2.803	10.6	19.5
7 10	20 41.26	-12 10.3	1.766	2.734	8.1	21.7	7 10	20 39.41	-19 29.9	1.818	2.798	6.9	19.2
7 20	20 32.48	-12 36.9	1.726	2.729	4.3	21.4	7 20	20 31.74	-20 9.8	1.783	2.793	2.9	19.0
7 30	20 22.88	-13 11.0	1.713	2.724	2.4	21.3	7 30	20 23.29	-20 50.0	1.774	2.788	1.5	18.9
8 9	20 13.46	-13 48.7	1.727	2.718	5.6	21.5	8 9	20 15.05	-21 26.3	1.793	2.783	5.6	19.1
8 19	20 5.23	-14 26.5	1.767	2.712	9.6	21.7	8 19	20 7.96	-21 55.7	1.837	2.778	9.5	19.4
8 29	19 59.01	-15 1.2	1.832	2.704	13.1	21.9	8 29	20 2.80	-22 16.6	1.905	2.773	12.9	19.6
<b>473003</b>	2015 HR <sub>36</sub>		7 26.9 246°53	5°7/30.6	18		<b>440240</b>	2004 RF <sub>2</sub>		7 26.9 323°73	3°1/26.2	18	
6 20	20 49.54	- 2 17.2	1.908	2.704	16.0	20.8	6 20	21 1.12	-30 7.5	2.003	2.843	13.8	19.8
6 30	20 45.57	- 2 13.1	1.816	2.694	13.3	20.6	6 30	20 54.38	-29 41.4	1.914	2.831	10.8	19.5
7 10	20 39.49	- 2 27.9	1.743	2.684	10.3	20.4	7 10	20 45.13	-29 9.5	1.847	2.821	7.4	19.3
7 20	20 31.77	- 3 2.3	1.693	2.673	7.3	20.2	7 20	20 34.09	-28 28.1	1.807	2.810	4.1	19.1
7 30	20 23.18	- 3 55.0	1.669	2.662	5.7	20.1	7 30	20 22.31	-27 35.1	1.795	2.800	3.5	19.0
8 9	20 14.69	- 5 2.0	1.671	2.651	7.0	20.1	8 9	20 11.02	-26 30.6	1.811	2.791	6.6	19.2
8 19	20 7.24	- 6 18.0	1.698	2.640	10.0	20.3	8 19	20 1.31	-25 16.8	1.854	2.782	10.2	19.4
8 29	20 1.67	- 7 36.9	1.749	2.628	13.3	20.5	8 29	19 54.01	-23 57.2	1.922	2.773	13.6	19.6
<b>288577</b>	2004 HB <sub>59</sub>		7 26.9 19°21	9°3/ 1.5	16		<b>74236</b>	1998 SC <sub>47</sub>		7 26.9 86°67	2°0/25.8	18	
6 20	20 47.24	+ 3 48.2	1.772	2.547	17.8	20.8	6 20	20 52.29	-22 45.5	1.898	2.750	13.9	19.9
6 30	20 43.77	+ 4 47.2	1.702	2.552	15.4	20.6	6 30	20 47.64	-23 18.2	1.829	2.757	10.6	19.7
7 10	20 38.24	+ 5 25.0	1.650	2.557	12.8	20.5	7 10	20 40.77	-23 55.1	1.783	2.763	6.9	19.5
7 20	20 31.19	+ 5 38.5	1.619	2.564	10.6	20.4	7 20	20 32.28	-24 31.7	1.761	2.770	3.2	19.3
7 30	20 23.46	+ 5 26.5	1.611	2.570	9.3	20.3	7 30	20 23.09	-25 3.3	1.767	2.777	2.7	19.2
8 9	20 16.00	+ 4 51.3	1.626	2.578	9.8	20.3	8 9	20 14.27	-25 26.3	1.799	2.783	6.2	19.5
8 19	20 9.71	+ 3 57.3	1.664	2.586	11.6	20.5	8 19	20 6.79	-25 39.0	1.857	2.790	9.9	19.7
8 29	20 5.35	+ 2 51.1	1.724	2.594	13.9	20.6	8 29	20 1.42	-25 41.0	1.938	2.797	13.1	19.9
<b>24839</b>	1995 UE <sub>4</sub>		7 26.9 230°76	4°3/29.1	18		<b>443080</b>	2013 GD <sub>43</sub>		7 26.9 168°74	2°2/25.4	18	
6 20	20 52.25	- 8 10.3	1.688	2.511	16.6	18.5	6 20	20 50.59	-24 59.8	2.621	3.463	10.8	22.0
6 30	20 47.86	- 7 51.9	1.605	2.506	13.5	18.3	6 30	20 45.80	-25 33.4	2.543	3.465	8.3	21.8
7 10	20 41.07	- 7 48.3	1.541	2.501	9.8	18.1	7 10	20 39.32	-26 8.7	2.490	3.467	5.5	21.6
7 20	20 32.45	- 7 59.7	1.500	2.495	6.1	17.8	7 20	20 31.62	-26 42.1	2.463	3.468	2.8	21.5
7 30	20 22.90	- 8 24.3	1.485	2.490	4.4	17.7	7 30	20 23.37	-27 10.3	2.464	3.470	2.7	21.4
8 9	20 13.56	- 8 59.0	1.496	2.484	6.8	17.9	8 9	20 15.35	-27 30.6	2.494	3.471	5.3	21.6
8 19	20 5.52	- 9 39.4	1.531	2.477	10.6	18.1	8 19	20 8.27	-27 41.7	2.551	3.472	8.1	21.8
8 29	19 59.67	-10 21.1	1.589	2.471	14.3	18.3	8 29	20 2.75	-27 43.5	2.632	3.473	10.6	22.0
<b>503638</b>	2016 GF <sub>173</sub>		7 26.9 323°83	6°5/23.8	17		<b>217202</b>	2002 TP <sub>198</sub>		7 26.9 343°16	2°5/26.2	18	R
6 20	20 50.39	-2											

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>342296</b>	2008 <i>TK</i> <sub>45</sub>	7 26.9 357°89		7.1°/23.9 17			<b>255487</b>	2006 <i>AT</i> <sub>4</sub>	7 26.9 179°45		4.9°/23.3 18 R		
6 20	20 49.79	-31 27.0	1.223	2.110	17.8	19.8	6 20	20 51.48	-32 33.6	2.455	3.302	11.3	20.0
6 30	20 47.15	-32 25.5	1.163	2.105	14.1	19.5	6 30	20 46.79	-33 31.5	2.384	3.302	8.9	19.9
7 10	20 41.17	-33 22.1	1.123	2.102	10.2	19.3	7 10	20 40.13	-34 27.3	2.336	3.302	6.6	19.7
7 20	20 32.63	-34 7.5	1.103	2.100	7.4	19.2	7 20	20 32.03	-35 15.6	2.315	3.302	5.0	19.6
7 30	20 22.94	-34 33.2	1.106	2.100	7.8	19.2	7 30	20 23.26	-35 52.0	2.320	3.302	5.3	19.7
8 9	20 13.84	-34 34.3	1.131	2.101	11.0	19.4	8 9	20 14.73	-36 13.4	2.353	3.302	7.3	19.8
8 19	20 6.85	-34 11.1	1.177	2.103	14.9	19.6	8 19	20 7.30	-36 19.0	2.411	3.302	9.7	19.9
8 29	20 3.06	-33 27.2	1.241	2.106	18.5	19.8	8 29	20 1.69	-36 9.9	2.491	3.302	12.1	20.1
<b>461860</b>	2006 <i>HE</i> <sub>32</sub>	7 26.9 32°67		0.1°/26.9 17			<b>140822</b>	2001 <i>UO</i> <sub>164</sub>	7 27.0 340°95		5.4°/30.4 18		
6 20	20 49.42	-15 32.1	1.074	1.953	20.2	20.5	6 20	20 46.41	-3 59.6	1.790	2.604	16.2	19.2
6 30	20 46.66	-16 14.9	1.022	1.963	15.6	20.3	6 30	20 43.26	-3 50.6	1.707	2.598	13.4	19.0
7 10	20 40.72	-17 14.7	0.989	1.975	10.2	20.0	7 10	20 38.03	-3 59.7	1.643	2.592	10.1	18.8
7 20	20 32.40	-18 25.5	0.976	1.987	4.3	19.7	7 20	20 31.21	-4 27.4	1.601	2.587	7.0	18.6
7 30	20 23.07	-19 38.7	0.985	2.000	1.8	19.6	7 30	20 23.61	-5 12.3	1.585	2.582	5.4	18.5
8 9	20 14.39	-20 45.6	1.018	2.013	7.7	20.0	8 9	20 16.18	-6 10.4	1.593	2.578	6.8	18.6
8 19	20 7.75	-21 40.0	1.072	2.028	13.0	20.3	8 19	20 9.86	-7 16.5	1.627	2.574	10.0	18.8
8 29	20 4.18	-22 18.9	1.146	2.043	17.5	20.7	8 29	20 5.44	-8 24.9	1.683	2.571	13.3	19.0
<b>88048</b>	2000 <i>VO</i> <sub>13</sub>	7 26.9 177°72		2.0°/25.5 18			<b>435210</b>	2007 <i>RC</i> <sub>223</sub>	7 27.0 329°26		6.5°/30.5 18		
6 20	20 50.20	-23 25.8	2.567	3.408	11.1	19.9	6 20	20 45.22	-3 27.8	1.504	2.330	18.2	20.3
6 30	20 45.57	-24 7.1	2.488	3.410	8.4	19.7	6 30	20 42.84	-3 6.7	1.415	2.313	15.2	20.0
7 10	20 39.22	-24 51.5	2.432	3.410	5.5	19.5	7 10	20 38.04	-3 6.5	1.345	2.296	11.7	19.8
7 20	20 31.61	-25 35.4	2.404	3.411	2.7	19.4	7 20	20 31.32	-3 29.0	1.295	2.281	8.3	19.5
7 30	20 23.41	-26 15.0	2.403	3.411	2.5	19.3	7 30	20 23.54	-4 13.7	1.269	2.266	6.5	19.4
8 9	20 15.41	-26 47.1	2.432	3.411	5.2	19.5	8 9	20 15.85	-5 16.5	1.266	2.251	8.1	19.4
8 19	20 8.34	-27 10.0	2.487	3.411	8.2	19.7	8 19	20 9.40	-6 31.2	1.286	2.238	11.6	19.6
8 29	20 2.83	-27 23.0	2.567	3.410	10.8	19.9	8 29	20 5.18	-7 50.4	1.328	2.226	15.4	19.8
<b>387303</b>	2012 <i>VP</i> <sub>28</sub>	7 26.9 195°03		1.2°/27.7 16			<b>40855</b>	1999 <i>TG</i> <sub>108</sub>	7 27.0 252°80		4.0°/29.5 18		
6 20	20 51.82	-14 51.5	2.078	2.909	13.6	22.0	6 20	20 48.89	-6 43.2	2.424	3.224	12.9	18.6
6 30	20 47.08	-14 53.7	1.995	2.908	10.6	21.8	6 30	20 44.59	-6 22.1	2.331	3.216	10.5	18.4
7 10	20 40.34	-15 4.1	1.934	2.907	7.1	21.6	7 10	20 38.62	-6 12.0	2.259	3.208	7.8	18.3
7 20	20 32.12	-15 21.2	1.899	2.905	3.4	21.3	7 20	20 31.40	-6 13.2	2.212	3.200	5.2	18.1
7 30	20 23.20	-15 42.1	1.890	2.904	1.6	21.2	7 30	20 23.56	-6 25.0	2.193	3.191	4.0	18.0
8 9	20 14.52	-16 4.0	1.910	2.902	5.1	21.4	8 9	20 15.84	-6 45.4	2.200	3.182	5.5	18.1
8 19	20 6.94	-16 24.4	1.956	2.899	8.8	21.7	8 19	20 8.98	-7 12.0	2.235	3.174	8.1	18.2
8 29	20 1.21	-16 41.2	2.026	2.897	12.1	21.9	8 29	20 3.59	-7 41.8	2.294	3.165	10.9	18.4
<b>254168</b>	2004 <i>QM</i> <sub>10</sub>	7 26.9 6°66		11°0°/21.9 18 R			<b>392887</b>	2012 <i>VD</i> <sub>17</sub>	7 27.0 275°06		6°9°/21.7 18		
6 20	20 58.86	-46 21.8	1.703	2.540	15.9	19.2	6 20	20 53.52	-33 39.0	1.959	2.813	13.5	20.5
6 30	20 53.69	-47 21.7	1.651	2.541	13.8	19.1	6 30	20 49.22	-35 14.3	1.876	2.796	10.9	20.3
7 10	20 45.14	-48 6.4	1.618	2.543	12.0	19.0	7 10	20 42.25	-36 49.7	1.816	2.778	8.4	20.1
7 20	20 34.19	-48 27.2	1.607	2.546	11.1	18.9	7 20	20 33.12	-38 16.9	1.781	2.761	6.9	20.0
7 30	20 22.35	-48 17.6	1.619	2.549	11.5	19.0	7 30	20 22.77	-39 27.6	1.772	2.743	7.7	20.0
8 9	20 11.39	-47 36.4	1.652	2.553	13.0	19.1	8 9	20 12.46	-40 15.8	1.788	2.725	10.1	20.1
8 19	20 2.75	-46 27.4	1.707	2.558	15.0	19.2	8 19	20 3.47	-40 39.7	1.829	2.707	13.0	20.2
8 29	19 57.35	-44 56.9	1.781	2.564	17.1	19.4	8 29	19 56.89	-40 40.7	1.889	2.689	15.7	20.4
<b>164067</b>	2003 <i>WH</i> <sub>65</sub>	7 26.9 269°63		1°3°/27.7 18			<b>344713</b>	2003 <i>UW</i> <sub>14</sub>	7 27.0 185°42		0°3°/27.2 17		
6 20	20 50.55	-14 25.7	1.908	2.746	14.4	20.6	6 20	20 51.82	-17 11.7	1.966	2.807	14.0	21.7
6 30	20 46.29	-14 33.2	1.827	2.744	11.3	20.4	6 30	20 47.22	-17 22.9	1.887	2.807	10.8	21.5
7 10	20 39.92	-14 50.5	1.769	2.743	7.6	20.2	7 10	20 40.51	-17 41.6	1.830	2.807	7.1	21.3
7 20	20 31.97	-15 15.6	1.734	2.741	3.6	19.9	7 20	20 32.22	-18 5.3	1.797	2.807	3.0	21.0
7 30	20 23.27	-15 45.5	1.726	2.740	1.6	19.8	7 30	20 23.22	-18 30.5	1.792	2.806	1.2	20.9
8 9	20 14.81	-16 16.4	1.746	2.738	5.4	20.0	8 9	20 14.48	-18 54.0	1.814	2.806	5.4	21.2
8 19	20 7.53	-16 45.3	1.791	2.737	9.3	20.3	8 19	20 6.94	-19 13.2	1.862	2.805	9.2	21.4
8 29	20 2.22	-17 9.7	1.859	2.735	12.8	20.5	8 29	20 1.36	-19 26.5	1.934	2.804	12.6	21.6
<b>62827</b>	2000 <i>UX</i> <sub>50</sub>	7 26.9 353°39		9°5°/30.6 18			<b>160567</b>	1998 <i>TP</i> <sub>36</sub>	7 27.0 295°61		7°6°/31.1 18		
6 20	20 48.00	-1 42.4	1.347	2.170	20.1	17.5	6 20	20 48.23	+ 0 11.6	1.876	2.663	16.5	19.1
6 30	20 45.06	-0 19.1	1.275	2.164	17.1	17.3	6 30	20 44.68	+ 0 50.9	1.779	2.646	14.1	18.9
7 10	20 39.49	+ 0 44.7	1.221	2.160	13.8	17.1	7 10	20 39.02	+ 1 12.2	1.702	2.628	11.4	18.7
7 20	20 31.89	+ 1 24.5	1.186	2.156	10.9	16.9	7 20	20 31.68	+ 1 12.9	1.646	2.610	8.9	18.5
7 30	20 23.29	+ 1 37.5	1.173	2.154	9.5	16.8	7 30	20 23.42	+ 0 52.2	1.614	2.592	7.6	18.4
8 9	20 14.97	+ 1 24.8	1.182	2.152	10.6	16.9	8 9	20 15.19	+ 0 11.8	1.607	2.575	8.5	18.4
8 19	20 8.14	+ 0 50.8	1.213	2.152	13.4	17.1	8 19	20 7.97	+ 0 44.2	1.624	2.557	11.0	18.5
8 29	20 3.79	+ 0 2.5	1.263	2.153	16.7	17.3	8 29	20 2.62	+ 1 50.0	1.664	2.540	14.0	18.6
<b>350939</b>	2002 <i>UB</i> <sub>37</sub>	7 26.9 285°24		0°8°/27.4 18			<b>478933</b>	2012 <i>XH</i> <sub>19</sub>	7 27.0 209°41		3°9°/29.3 18		
6 20	20 50.85	-16 4.5	1.981	2.821	13.9	21.4	6 20	20 51.02	-7 32.9	2.247	3.051	13.6	21.9
6 30	20 46.66	-16 8.4	1.882	2.800	10.9	21.2	6 30	20 46.32	-7 12.3	2.158	3.047	11.0	21.7
7 10	20 40.28	-16 20.6	1.803	2.779	7.3	20.9	7 10	20 39.79	-7 3.1	2.091	3.043	8.1	21.5
7 20	20 32.18	-16 39.2	1.750	2.758	3.3	20.6	7 20	20 31.90	-7 5.3	2.048	3.039	5.2	21.3
7 30	20 23.15	-17 1.2	1.723	2.737	1.4	20.5	7 30	20 23.35	-7 18.2	2.033	3.034	3.9	21.2
8 9	20 14.18	-17 23.5	1.723	2.716	5.5	20.7	8 9	20 14.97	-7 39.4	2.045	3.029	5.6	21.3
8 19	20 6.27	-17 43.3	1.750	2.694	9.6	20.9	8 19	20 7.55	-8 6.3	2.084	3.023	8.6	21.5
8 29	20 0.28	-17 58.5	1.799	2.673	13.3	21.1	8 29	20 1.78	-8 35.8	2.147	3.018	11.5	21.7
<b>508370</b>	2016 <i>ES</i> <sub>215</sub>	7 26.9 134°12		0°8°/26.5 17			<b>503045</b>	2015 <i>FL</i> <sub>153</sub>	7 27.0 137°80		7°2°/ 1.1 17		