

EPHEMERIDES

6 24.9

6 25.0

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>342613</b>	2008 <i>UO</i> <sub>331</sub>		6 24.9 230°05	7°0/23.8	18		<b>72518</b>	2001 <i>DP</i> <sub>86</sub>		6 25.0 295°53	1°2/25.1	18	
5 21	18 49.01	-42 16.2	2.293	3.109	12.9	21.4	5 21	18 40.74	-19 20.7	1.768	2.628	14.2	19.4
5 31	18 42.46	-43 20.2	2.208	3.098	10.7	21.2	5 31	18 36.15	-19 31.4	1.684	2.617	10.8	19.2
6 10	18 33.18	-44 14.7	2.146	3.086	8.5	21.1	6 10	18 29.20	-19 47.4	1.621	2.606	6.9	18.9
6 20	18 21.87	-44 53.6	2.109	3.074	7.2	21.0	6 20	18 20.53	-20 7.2	1.583	2.595	2.7	18.7
6 30	18 9.65	-45 12.5	2.099	3.062	7.4	21.0	6 30	18 11.11	-20 29.5	1.572	2.584	2.5	18.6
7 10	17 57.87	-45 10.0	2.114	3.049	9.0	21.1	7 10	18 2.11	-20 52.7	1.586	2.574	6.9	18.9
7 20	17 47.77	-44 48.3	2.154	3.035	11.4	21.2	7 20	17 54.55	-21 16.1	1.625	2.563	11.0	19.1
7 30	17 40.30	-44 12.1	2.216	3.021	13.7	21.3	7 30	17 49.30	-21 39.2	1.686	2.553	14.7	19.3
<b>434076</b>	2001 <i>XU</i> <sub>252</sub>		6 24.9 157°95	0°6/25.1	17		<b>269078</b>	2007 <i>GT</i> <sub>73</sub>		6 25.0 51°21	1°1/25.1	17	
5 21	18 44.40	-19 18.1	2.241	3.082	12.3	21.7	5 21	18 42.23	-20 29.4	1.521	2.388	15.8	20.7
5 31	18 38.28	-19 52.3	2.166	3.089	9.3	21.5	5 31	18 37.27	-20 28.7	1.463	2.400	11.9	20.4
6 10	18 30.20	-20 31.2	2.115	3.096	5.8	21.3	6 10	18 29.80	-20 31.6	1.427	2.413	7.4	20.2
6 20	18 20.77	-21 12.7	2.090	3.102	2.1	21.1	6 20	18 20.68	-20 37.0	1.414	2.427	2.8	20.0
6 30	18 10.82	-21 54.3	2.095	3.108	2.0	21.1	6 30	18 11.07	-20 43.9	1.427	2.440	2.7	20.0
7 10	18 1.30	-22 34.0	2.129	3.113	5.7	21.4	7 10	18 2.25	-20 51.4	1.466	2.454	7.2	20.3
7 20	17 53.05	-23 10.9	2.190	3.117	9.1	21.6	7 20	17 55.27	-20 59.6	1.528	2.468	11.4	20.6
7 30	17 46.74	-23 44.6	2.275	3.121	12.1	21.8	7 30	17 50.84	-21 8.7	1.611	2.482	15.0	20.8
<b>22700</b>	1998 <i>RP</i> <sub>37</sub>		6 24.9 58°99	0°1/25.0	18		<b>112881</b>	2002 <i>QV</i> <sub>42</sub>		6 25.0 304°01	0°5/24.9	18	
5 21	18 40.00	-23 44.8	2.207	3.061	12.0	18.3	5 21	18 40.96	-22 22.0	1.757	2.620	14.2	19.3
5 31	18 34.95	-23 38.5	2.138	3.069	9.0	18.1	5 31	18 36.47	-22 57.3	1.669	2.605	10.8	19.1
6 10	18 28.08	-23 32.1	2.093	3.077	5.6	17.9	6 10	18 29.50	-23 37.1	1.604	2.590	6.8	18.8
6 20	18 20.03	-23 24.5	2.073	3.086	1.9	17.7	6 20	18 20.67	-24 18.6	1.563	2.576	2.3	18.5
6 30	18 11.61	-23 15.3	2.081	3.094	1.9	17.7	6 30	18 10.97	-24 58.7	1.548	2.561	2.4	18.5
7 10	18 3.72	-23 4.8	2.117	3.103	5.5	17.9	7 10	18 1.62	-25 34.9	1.560	2.547	7.0	18.7
7 20	17 57.12	-22 53.8	2.179	3.112	8.9	18.2	7 20	17 53.73	-26 5.9	1.596	2.534	11.2	18.9
7 30	17 52.39	-22 43.1	2.264	3.121	11.8	18.4	7 30	17 48.25	-26 32.1	1.654	2.520	14.9	19.1
<b>138016</b>	Kerribeisser		6 25.0 196°96	2°1/24.9	17		<b>130651</b>	2000 <i>SA</i> <sub>86</sub>		6 25.0 206°68	5°6/25.4	18	
5 21	18 46.60	-28 29.3	2.075	2.920	13.0	21.4	5 21	18 41.15	-6 7.8	2.499	3.308	12.1	21.0
5 31	18 40.26	-28 49.3	1.992	2.917	9.9	21.2	5 31	18 35.65	-5 38.4	2.412	3.302	9.9	20.8
6 10	18 31.59	-29 6.6	1.933	2.914	6.4	20.9	6 10	18 28.51	-5 18.7	2.348	3.294	7.6	20.7
6 20	18 21.28	-29 18.2	1.900	2.909	2.9	20.7	6 20	18 20.23	-5 10.5	2.310	3.286	5.8	20.6
6 30	18 10.33	-29 21.9	1.895	2.904	3.0	20.7	6 30	18 11.49	-5 14.9	2.299	3.278	5.8	20.5
7 10	17 59.89	-29 17.2	1.918	2.899	6.5	20.9	7 10	18 3.06	-5 31.4	2.316	3.268	7.4	20.6
7 20	17 50.97	-29 5.5	1.967	2.892	10.1	21.1	7 20	17 55.63	-5 58.9	2.359	3.258	9.8	20.8
7 30	17 44.36	-28 49.2	2.039	2.885	13.3	21.3	7 30	17 49.79	-6 35.3	2.426	3.247	12.2	20.9
<b>415113</b>	2012 <i>CV</i> <sub>50</sub>		6 25.0 126°44	3°2/25.3	17		<b>13904</b>	Univinnitsa		6 25.0 220°80	2°9/24.6	18	
5 21	18 44.13	-15 35.4	1.606	2.460	15.7	21.4	5 21	18 44.45	-31 45.8	2.685	3.519	10.7	19.5
5 31	18 38.58	-15 23.6	1.541	2.468	12.1	21.2	5 31	18 38.33	-32 17.4	2.591	3.508	8.3	19.3
6 10	18 30.58	-15 19.3	1.497	2.476	8.0	21.0	6 10	18 30.29	-32 45.3	2.522	3.496	5.6	19.1
6 20	18 20.93	-15 22.6	1.477	2.484	4.1	20.8	6 20	18 20.87	-33 6.8	2.481	3.483	3.3	18.9
6 30	18 10.72	-15 33.1	1.483	2.491	4.0	20.8	6 30	18 10.85	-33 19.4	2.468	3.470	3.4	18.9
7 10	18 1.20	-15 49.7	1.515	2.498	7.7	21.0	7 10	18 1.15	-33 22.4	2.484	3.456	5.8	19.0
7 20	17 53.40	-16 11.5	1.571	2.504	11.7	21.3	7 20	17 52.59	-33 16.6	2.527	3.441	8.6	19.2
7 30	17 48.09	-16 37.2	1.649	2.510	15.2	21.5	7 30	17 45.85	-33 4.0	2.594	3.426	11.2	19.3
<b>7351</b>	Yoshidamichi		6 25.0 66°21	0°9/24.9	18		<b>423981</b>	2006 <i>VN</i> <sub>27</sub>		6 25.0 128°98	1°3/24.9	17	
5 21	18 43.28	-23 29.8	1.625	2.488	15.1	17.4	5 21	18 45.83	-25 38.3	1.794	2.649	14.3	21.7
5 31	18 38.13	-24 3.5	1.559	2.495	11.4	17.1	5 31	18 39.81	-26 1.1	1.728	2.659	10.8	21.5
6 10	18 30.41	-24 39.7	1.515	2.501	7.1	16.9	6 10	18 31.34	-26 23.4	1.685	2.669	6.7	21.3
6 20	18 20.91	-25 15.1	1.495	2.508	2.5	16.6	6 20	18 21.23	-26 42.2	1.667	2.679	2.6	21.0
6 30	18 10.76	-25 46.5	1.502	2.515	2.6	16.7	6 30	18 10.57	-26 55.3	1.676	2.688	2.6	21.1
7 10	18 1.26	-26 12.1	1.535	2.522	7.1	17.0	7 10	18 0.59	-27 1.8	1.712	2.696	6.7	21.3
7 20	17 53.53	-26 31.8	1.592	2.528	11.3	17.2	7 20	17 52.34	-27 2.7	1.773	2.705	10.6	21.6
7 30	17 48.39	-26 46.4	1.670	2.535	14.8	17.5	7 30	17 46.58	-26 59.8	1.856	2.713	14.0	21.8
<b>100210</b>	1994 <i>LD</i> <sub>1</sub>		6 25.0 342°62	16°6/19.5	18		<b>53983</b>	2000 <i>GW</i> <sub>74</sub>		6 25.0 123°96	1°6/25.1	18	
5 21	18 35.44	-50 19.9	1.173	2.026	20.3	17.9	5 21	18 44.34	-19 11.1	1.808	2.660	14.3	20.1
5 31	18 35.11	-52 30.6	1.095	1.991	18.5	17.6	5 31	18 38.51	-19 5.5	1.743	2.672	10.8	19.9
6 10	18 30.23	-54 24.6	1.034	1.957	17.1	17.4	6 10	18 30.45	-19 3.8	1.700	2.683	6.9	19.7
6 20	18 21.30	-55 48.2	0.991	1.926	16.6	17.3	6 20	18 20.90	-19 5.0	1.682	2.693	2.8	19.5
6 30	18 10.09	-56 28.3	0.965	1.897	17.3	17.2	6 30	18 10.90	-19 8.7	1.692	2.703	2.7	19.5
7 10	17 59.46	-56 19.1	0.956	1.870	19.1	17.2	7 10	18 1.56	-19 14.2	1.728	2.713	6.7	19.8
7 20	17 52.17	-55 23.0	0.962	1.847	21.6	17.3	7 20	17 53.81	-19 21.6	1.790	2.723	10.5	20.0
7 30	17 50.12	-53 49.4	0.982	1.827	24.3	17.4	7 30	17 48.36	-19 30.9	1.874	2.732	13.8	20.2
<b>343300</b>	2010 <i>AD</i> <sub>77</sub>		6 25.0 92°40	1°8/25.1	18		<b>115675</b>	2003 <i>UE</i> <sub>146</sub>		6 25.0 224°69	4°2/25.2	18	
5 21	18 46.05	-29 29.7	1.862	2.713	14.0	20.6	5 21	18 40.54	-11 47.5	2.246	3.080	12.5	20.1
5 31	18 39.75	-29 17.6	1.799	2.727	10.6	20.4	5 31	18 35.39	-11 18.3	2.160	3.073	9.9	20.0
6 10	18 31.14	-29 0.1	1.760	2.742	6.7	20.2	6 10	18 28.44	-10 56.2	2.098	3.065	7.0	19.8
6 20	18 21.07	-28 35.2	1.745	2.756	2.9	20.0	6 20	18 20.24	-10 42.3	2.061	3.056	4.6	19.6
6 30	18 10.67	-28 2.9	1.759	2.770	2.8	20.0	6 30	18 11.54	-10 37.4	2.051	3.048	4.6	19.6
7 10	18 1.10	-27 24.6	1.799	2.783	6.5	20.3	7 10	18 3.20	-10 41.7	2.069	3.039	7.0	19.7
7 20	17 53.32	-26 43.2	1.865	2.797	10.2	20.5	7 20	17 55.98	-10 54.5	2.112	3.029	9.9	19.9
7 30	17 47.96	-26 1.8	1.954	2.810	13.4	20.8	7 30	17 50.51	-11 14.6	2.178	3.020	12.7	20.0
<b>490656</b>	2010 <i>GA</i> <sub>31</sub>		6 25.0 90°88	4°2/24.7	17		<b>53928</b>	2000 <i>GT</i> <sub>39</sub>		6			

EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>6675</b>	Sisley		6 25.0 137°68	0°3/24.9	18		<b>320482</b>	2007 VO <sub>328</sub>		6 25.0 269°70	2°9/25.0	17	
5 21	18 40.86	-23 52.5	2.651	3.494	10.6	20.0	5 21	18 46.81	-29 51.8	1.517	2.379	16.1	21.2
5 31	18 35.36	-24 1.7	2.579	3.504	7.9	19.8	5 31	18 41.41	-30 1.3	1.428	2.361	12.4	20.9
6 10	18 28.27	-24 11.1	2.531	3.514	4.9	19.7	6 10	18 32.86	-30 5.7	1.361	2.344	8.1	20.6
6 20	18 20.15	-24 19.2	2.510	3.523	1.7	19.4	6 20	18 21.91	-30 1.2	1.317	2.326	3.9	20.3
6 30	18 11.68	-24 25.2	2.518	3.531	1.7	19.5	6 30	18 9.90	-29 44.7	1.298	2.308	3.9	20.2
7 10	18 3.64	-24 28.6	2.555	3.540	4.9	19.7	7 10	17 58.44	-29 16.6	1.305	2.290	8.4	20.5
7 20	17 56.69	-24 29.9	2.620	3.548	7.8	19.9	7 20	17 49.00	-28 39.8	1.335	2.271	13.0	20.7
7 30	17 51.36	-24 29.7	2.708	3.555	10.4	20.1	7 30	17 42.67	-27 59.0	1.386	2.252	17.2	20.9
<b>328677</b>	2009 SG <sub>309</sub>		6 25.0 306°20	5°5/25.2	17		<b>344633</b>	2003 OL <sub>14</sub>		6 25.0 313°56	4°4/24.2	18	
5 21	18 39.79	-12 26.8	1.427	2.289	16.8	20.4	5 21	18 41.64	-18 7.4	1.518	2.383	15.9	20.0
5 31	18 35.93	-11 52.1	1.340	2.269	13.4	20.1	5 31	18 37.22	-16 45.1	1.423	2.357	12.4	19.7
6 10	18 29.34	-11 27.1	1.274	2.249	9.5	19.8	6 10	18 30.09	-15 20.6	1.349	2.331	8.4	19.4
6 20	18 20.68	-11 14.2	1.229	2.230	6.2	19.6	6 20	18 20.94	-13 57.0	1.300	2.305	5.0	19.1
6 30	18 11.05	-11 15.3	1.209	2.210	6.1	19.5	6 30	18 10.87	-12 38.9	1.275	2.279	5.4	19.1
7 10	18 1.80	-11 30.4	1.212	2.192	9.6	19.7	7 10	18 1.21	-11 30.9	1.276	2.254	9.4	19.2
7 20	17 54.19	-11 58.3	1.238	2.173	13.9	19.8	7 20	17 53.21	-10 36.6	1.300	2.230	13.8	19.4
7 30	17 49.24	-12 36.4	1.283	2.155	18.0	20.0	7 30	17 47.83	-9 57.8	1.344	2.206	17.9	19.6
<b>360963</b>	2005 UB <sub>141</sub>		6 25.0 208°89	0°6/25.1	18		<b>211106</b>	2002 EN <sub>151</sub>		6 25.0 100°94	2°2/25.2	18	
5 21	18 39.47	-21 4.4	2.637	3.481	10.6	21.5	5 21	18 46.12	-18 2.1	1.524	2.382	16.2	20.5
5 31	18 34.40	-21 7.7	2.552	3.477	8.0	21.3	5 31	18 40.11	-17 56.2	1.468	2.399	12.3	20.3
6 10	18 27.74	-21 12.7	2.491	3.473	5.0	21.1	6 10	18 31.55	-17 56.0	1.433	2.416	7.8	20.1
6 20	18 19.99	-21 18.6	2.457	3.469	1.8	20.9	6 20	18 21.31	-18 0.8	1.423	2.433	3.4	19.8
6 30	18 11.82	-21 24.8	2.452	3.465	1.8	20.9	6 30	18 10.63	-18 9.5	1.438	2.449	3.3	19.9
7 10	18 3.99	-21 30.7	2.475	3.460	5.0	21.1	7 10	18 0.79	-18 21.5	1.479	2.465	7.5	20.1
7 20	17 57.16	-21 36.4	2.526	3.455	8.0	21.3	7 20	17 52.87	-18 36.0	1.545	2.480	11.6	20.4
7 30	17 51.90	-21 42.2	2.601	3.450	10.7	21.4	7 30	17 47.60	-18 52.8	1.632	2.495	15.2	20.7
<b>118859</b>	2000 SO <sub>316</sub>		6 25.0 171°99	0°7/25.1	18		<b>137764</b>	1999 XX <sub>179</sub>		6 25.0 191°13	3°6/24.9	17	
5 21	18 45.79	-26 49.1	2.049	2.896	13.0	19.1	5 21	18 47.10	-31 40.2	1.752	2.604	14.7	20.2
5 31	18 39.48	-26 28.2	1.971	2.898	9.9	18.9	5 31	18 41.08	-32 4.0	1.677	2.603	11.3	20.0
6 10	18 31.00	-26 3.5	1.917	2.900	6.2	18.7	6 10	18 32.33	-32 22.1	1.624	2.602	7.6	19.8
6 20	18 21.10	-25 34.1	1.890	2.902	2.2	18.4	6 20	18 21.64	-32 30.5	1.596	2.601	4.2	19.6
6 30	18 10.76	-24 59.8	1.890	2.903	2.2	18.4	6 30	18 10.25	-32 26.4	1.594	2.599	4.3	19.6
7 10	18 1.05	-24 22.2	1.919	2.904	6.1	18.7	7 10	17 59.56	-32 9.9	1.618	2.597	7.7	19.8
7 20	17 52.90	-23 43.4	1.974	2.904	9.8	18.9	7 20	17 50.74	-31 43.3	1.668	2.595	11.5	20.0
7 30	17 46.97	-23 6.1	2.053	2.904	13.0	19.1	7 30	17 44.67	-31 10.7	1.739	2.592	14.9	20.2
<b>342332</b>	2008 TL <sub>111</sub>		6 25.0 251°86	4°7/24.9	18		<b>174716</b>	2003 UV <sub>142</sub>		6 25.0 252°85	2°3/24.9	17	
5 21	18 41.49	-12 8.2	2.065	2.903	13.3	20.5	5 21	18 44.24	-19 29.4	1.601	2.460	15.5	20.3
5 31	18 36.31	-11 23.4	1.974	2.888	10.5	20.2	5 31	18 38.96	-18 59.6	1.518	2.450	11.9	20.1
6 10	18 29.12	-10 44.6	1.906	2.873	7.5	20.0	6 10	18 31.05	-18 31.9	1.456	2.440	7.7	19.8
6 20	18 20.51	-10 14.0	1.863	2.858	5.1	19.9	6 20	18 21.23	-18 6.7	1.418	2.429	3.4	19.5
6 30	18 11.29	-9 53.1	1.847	2.843	5.2	19.8	6 30	18 10.63	-17 44.7	1.407	2.418	3.4	19.5
7 10	18 2.42	-9 42.9	1.858	2.827	7.7	20.0	7 10	18 0.58	-17 26.9	1.421	2.406	7.8	19.7
7 20	17 54.76	-9 43.3	1.894	2.811	10.9	20.1	7 20	17 52.23	-17 14.4	1.460	2.395	12.2	20.0
7 30	17 49.03	-9 53.4	1.953	2.794	14.0	20.3	7 30	17 46.47	-17 7.7	1.519	2.383	16.1	20.2
<b>266317</b>	2007 CQ <sub>56</sub>		6 25.0 82°63	1°7/25.1	17		<b>42084</b>	2001 AA <sub>12</sub>		6 25.0 203°19	0°2/25.0	18	
5 21	18 44.34	-19 27.7	1.658	2.516	15.1	20.9	5 21	18 42.47	-22 54.4	1.889	2.746	13.6	19.7
5 31	18 38.57	-19 15.2	1.603	2.534	11.4	20.7	5 31	18 37.28	-23 11.5	1.813	2.745	10.3	19.4
6 10	18 30.48	-19 6.4	1.570	2.553	7.2	20.5	6 10	18 29.82	-23 30.6	1.759	2.744	6.4	19.2
6 20	18 20.92	-19 0.8	1.561	2.572	2.9	20.3	6 20	18 20.77	-23 49.4	1.730	2.743	2.2	18.9
6 30	18 10.98	-18 57.9	1.579	2.590	2.9	20.4	6 30	18 11.11	-24 6.3	1.728	2.742	2.2	18.9
7 10	18 1.85	-18 57.5	1.623	2.608	6.9	20.6	7 10	18 1.95	-24 20.0	1.754	2.740	6.4	19.2
7 20	17 54.48	-18 59.9	1.692	2.626	10.8	20.9	7 20	17 54.27	-24 30.6	1.804	2.739	10.3	19.4
7 30	17 49.53	-19 5.1	1.782	2.644	14.2	21.2	7 30	17 48.85	-24 38.9	1.877	2.737	13.7	19.6
<b>381461</b>	2008 RO <sub>94</sub>		6 25.0 358°58	0°3/25.0	17		<b>53427</b>	1999 SJ <sub>9</sub>		6 25.0 301°76	20°1/30.7	18	
5 21	18 41.75	-23 50.0	1.525	2.395	15.6	21.4	5 21	18 42.03	+15 11.5	1.104	1.879	26.1	18.6
5 31	18 37.16	-23 52.5	1.454	2.393	11.8	21.1	5 31	18 38.12	+16 18.9	1.042	1.870	24.2	18.4
6 10	18 29.92	-23 55.6	1.405	2.393	7.3	20.9	6 10	18 30.95	+16 44.6	0.993	1.861	22.3	18.2
6 20	18 20.81	-23 57.5	1.379	2.392	2.5	20.6	6 20	18 21.29	+16 17.6	0.957	1.853	20.7	18.1
6 30	18 11.03	-23 56.9	1.379	2.392	2.5	20.6	6 30	18 10.52	+14 51.1	0.937	1.845	20.1	18.0
7 10	18 1.91	-23 53.3	1.403	2.393	7.3	20.9	7 10	18 0.33	+12 27.1	0.935	1.837	20.6	18.0
7 20	17 54.62	-23 47.8	1.452	2.393	11.8	21.1	7 20	17 52.24	+9 16.0	0.950	1.829	22.3	18.1
7 30	17 50.00	-23 41.8	1.521	2.394	15.6	21.4	7 30	17 47.40	+5 33.8	0.982	1.822	24.6	18.2
<b>305542</b>	2008 HU <sub>48</sub>		6 25.0 124°77	6°5/25.9	18		<b>347886</b>	2002 TG <sub>170</sub>		6 25.0 271°39	4°8/24.9	18	
5 21	18 38.10	-0 46.2	2.771	3.559	11.6	21.8	5 21	18 45.86	-36 50.9	2.090	2.928	13.2	20.8
5 31	18 33.11	-0 10.8	2.706	3.572	9.7	21.7	5 31	18 40.00	-37 9.2	1.998	2.912	10.5	20.6
6 10	18 26.79	+0 12.6	2.665	3.585	8.0	21.6	6 10	18 31.61	-37 18.7	1.929	2.895	7.6	20.4
6 20	18 19.63	+0 22.2	2.648	3.598	6.7	21.5	6 20	18 21.41	-37 15.2	1.884	2.878	5.2	20.2
6 30	18 12.22	+0 17.2	2.659	3.610	6.6	21.5	6 30	18 10.46	-36 56.1	1.866	2.861	5.2	20.2
7 10	18 5.17	-0 1.9	2.695	3.622	7.7	21.6	7 10	18 0.04	-36 21.6	1.875	2.844	7.7	20.3
7 20	17 59.04	-0 33.5	2.757	3.634	9.3	21.7	7 20	17 51.26	-35 34.5	1.909	2.826	10.8	20.4
7 30	17 54.27	-1 15.1	2.842	3.645	11.1	21.9	7 30	17 44.96	-34 39.5	1.966	2.809	13.8	20.6
<b>253716</b>	2003 VL <sub>10</sub>		6 25.0 253°41	8°1/23.2	18		<b>398630</b>	2012 BP <sub>144</sub>		6 25.0 257°43	5°5/26.0	18	
5 21													

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6 25.0

6 25.0

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>57555</b>	2001 <i>TM</i> <sub>37</sub>		6 25.0 282°07	5°5/24.3	18		<b>341225</b>	2007 <i>RB</i> <sub>143</sub>		6 25.0 308°24	0°6/25.0	16	
5 21	18 44.06	-37 25.3	2.139	2.977	12.9	18.7	5 21	18 40.97	-22 34.8	1.714	2.579	14.4	20.6
5 31	18 38.67	-38 13.6	2.055	2.967	10.3	18.5	5 31	18 36.43	-22 24.3	1.630	2.566	10.9	20.4
6 10	18 30.81	-38 54.6	1.995	2.957	7.7	18.3	6 10	18 29.44	-22 14.4	1.567	2.554	6.9	20.1
6 20	18 21.15	-39 23.5	1.959	2.946	5.8	18.2	6 20	18 20.70	-22 4.3	1.529	2.542	2.4	19.8
6 30	18 10.73	-39 36.6	1.950	2.936	5.9	18.2	6 30	18 11.24	-21 53.5	1.516	2.530	2.4	19.8
7 10	18 0.77	-39 33.0	1.967	2.926	8.1	18.3	7 10	18 2.26	-21 42.3	1.530	2.518	7.0	20.0
7 20	17 52.36	-39 14.3	2.008	2.915	10.9	18.4	7 20	17 54.84	-21 31.6	1.568	2.507	11.2	20.3
7 30	17 46.37	-38 44.5	2.072	2.905	13.6	18.6	7 30	17 49.82	-21 22.6	1.627	2.496	15.0	20.5
<b>123752</b>	2001 <i>AB</i> <sub>28</sub>		6 25.0 57°15	4°5/24.4	18		<b>60933</b>	2000 <i>JK</i> <sub>51</sub>		6 25.0 239°12	0°6/25.0	18	
5 21	18 45.57	-31 37.5	1.606	2.465	15.4	18.5	5 21	18 46.87	-25 31.2	1.527	2.389	16.0	19.2
5 31	18 40.01	-32 41.0	1.554	2.483	11.9	18.4	5 31	18 41.19	-25 23.6	1.445	2.380	12.2	18.9
6 10	18 31.65	-33 39.7	1.524	2.502	8.0	18.2	6 10	18 32.57	-25 14.0	1.384	2.370	7.7	18.6
6 20	18 21.40	-34 27.8	1.518	2.520	5.0	18.0	6 20	18 21.80	-25 0.1	1.348	2.360	2.7	18.3
6 30	18 10.56	-35 0.7	1.538	2.539	5.2	18.1	6 30	18 10.16	-24 40.8	1.337	2.350	2.7	18.3
7 10	18 0.58	-35 17.4	1.583	2.557	8.3	18.3	7 10	17 59.15	-24 16.9	1.352	2.339	7.8	18.6
7 20	17 52.62	-35 19.6	1.652	2.576	11.8	18.6	7 20	17 50.10	-23 50.5	1.391	2.328	12.5	18.8
7 30	17 47.52	-35 11.0	1.743	2.595	14.9	18.8	7 30	17 43.96	-23 24.7	1.451	2.317	16.6	19.0
<b>214504</b>	2005 <i>YG</i>		6 25.0 201°51	17°2/20.9	18		<b>241450</b>	2008 <i>YX</i> <sub>98</sub>		6 25.0 31°32	0°3/25.1	17	
5 21	19 5.62	-53 4.0	1.281	2.086	21.6	19.9	5 21	18 41.32	-22 12.5	1.909	2.766	13.4	21.2
5 31	18 59.13	-55 51.9	1.227	2.083	19.5	19.7	5 31	18 36.34	-22 17.3	1.834	2.767	10.1	21.0
6 10	18 46.01	-58 19.5	1.191	2.081	17.9	19.6	6 10	18 29.20	-22 23.8	1.782	2.768	6.3	20.8
6 20	18 26.96	-60 7.7	1.174	2.077	17.2	19.5	6 20	18 20.57	-22 30.7	1.756	2.769	2.2	20.5
6 30	18 4.73	-61 1.3	1.177	2.073	17.7	19.6	6 30	18 11.41	-22 36.9	1.756	2.770	2.1	20.5
7 10	17 43.70	-60 57.2	1.198	2.069	19.2	19.6	7 10	18 2.76	-22 41.7	1.784	2.771	6.3	20.8
7 20	17 27.67	-60 4.6	1.236	2.063	21.3	19.8	7 20	17 55.57	-22 45.5	1.836	2.772	10.1	21.0
7 30	17 18.70	-58 39.8	1.288	2.058	23.5	19.9	7 30	17 50.54	-22 48.8	1.911	2.773	13.4	21.2
<b>364186</b>	2006 <i>PH</i> <sub>8</sub>		6 25.0 318°11	2°0/24.9	17		<b>258496</b>	2002 <i>AA</i> <sub>63</sub>		6 25.0 128°73	10°7/28.6	17	
5 21	18 40.44	-26 47.9	1.188	2.075	17.9	20.7	5 21	18 46.25	+ 7 13.6	1.842	2.602	17.6	20.7
5 31	18 37.29	-27 1.3	1.103	2.050	13.8	20.4	5 31	18 39.78	+ 7 25.3	1.782	2.618	15.3	20.6
6 10	18 30.67	-27 13.6	1.037	2.027	8.9	20.0	6 10	18 31.19	+ 7 12.0	1.741	2.634	13.0	20.5
6 20	18 21.29	-27 21.2	0.991	2.004	3.6	19.6	6 20	18 21.21	+ 6 30.8	1.723	2.648	11.3	20.4
6 30	18 10.53	-27 20.6	0.969	1.982	3.7	19.6	6 30	18 10.81	+ 5 21.7	1.729	2.663	10.7	20.4
7 10	18 0.24	-27 11.0	0.969	1.960	9.3	19.8	7 10	18 1.05	+ 3 48.3	1.760	2.676	11.6	20.5
7 20	17 52.14	-26 53.9	0.989	1.940	14.9	20.0	7 20	17 52.81	+ 1 56.8	1.815	2.689	13.5	20.6
7 30	17 47.55	-26 32.9	1.028	1.920	19.8	20.3	7 30	17 46.77	- 0 5.8	1.893	2.700	15.6	20.8
<b>136822</b>	1997 <i>PW</i> <sub>4</sub>		6 25.0 315°67	1°1/25.1	18		<b>168166</b>	2006 <i>HT</i> <sub>63</sub>		6 25.0 316°14	1°9/25.2	16	
5 21	18 35.86	-19 12.6	2.823	3.669	9.9	19.9	5 21	18 40.38	-18 41.2	1.749	2.609	14.3	20.6
5 31	18 31.66	-19 11.7	2.733	3.659	7.5	19.7	5 31	18 35.84	-18 35.5	1.669	2.602	10.9	20.4
6 10	18 26.04	-19 13.4	2.667	3.649	4.8	19.5	6 10	18 29.00	-18 34.4	1.612	2.596	7.0	20.1
6 20	18 19.45	-19 17.3	2.628	3.639	2.0	19.3	6 20	18 20.54	-18 37.5	1.579	2.589	3.0	19.9
6 30	18 12.47	-19 23.1	2.618	3.629	1.9	19.3	6 30	18 11.42	-18 44.1	1.572	2.583	2.9	19.8
7 10	18 5.76	-19 30.4	2.635	3.619	4.7	19.5	7 10	18 2.78	-18 53.7	1.591	2.577	6.9	20.1
7 20	17 59.91	-19 38.9	2.679	3.610	7.5	19.7	7 20	17 55.62	-19 5.9	1.634	2.572	11.0	20.3
7 30	17 55.43	-19 48.6	2.748	3.601	10.1	19.8	7 30	17 50.74	-19 20.4	1.700	2.566	14.5	20.5
<b>501323</b>	2013 <i>WV</i> <sub>108</sub>		6 25.0 186°63	0°3/25.0	17		<b>21045</b>	1990 <i>SQ</i> <sub>1</sub>		6 25.0 300°42	7°5/24.6	18	
5 21	18 44.22	-24 35.6	2.375	3.218	11.7	22.5	5 21	18 46.46	-40 27.8	1.715	2.556	15.4	18.0
5 31	18 38.12	-24 33.7	2.292	3.217	8.8	22.3	5 31	18 41.28	-41 12.8	1.626	2.535	12.7	17.7
6 10	18 30.13	-24 30.9	2.234	3.216	5.5	22.1	6 10	18 32.86	-41 46.7	1.557	2.514	9.8	17.5
6 20	18 20.85	-24 25.8	2.202	3.215	1.9	21.9	6 20	18 21.96	-42 2.6	1.512	2.493	7.8	17.3
6 30	18 11.12	-24 17.8	2.200	3.213	1.9	21.9	6 30	18 9.96	-41 55.5	1.491	2.473	7.9	17.3
7 10	18 1.84	-24 6.9	2.226	3.210	5.5	22.1	7 10	17 58.53	-41 24.4	1.494	2.452	10.2	17.4
7 20	17 53.82	-23 54.1	2.279	3.206	8.8	22.3	7 20	17 49.19	-40 32.9	1.521	2.432	13.4	17.5
7 30	17 47.69	-23 40.7	2.356	3.202	11.7	22.5	7 30	17 43.06	-39 27.5	1.568	2.412	16.7	17.7
<b>195838</b>	2002 <i>QM</i> <sub>66</sub>		6 25.0 267°02	3°3/25.5	18		<b>245137</b>	2004 <i>RY</i> <sub>106</sub>		6 25.0 330°64	9°4/24.9	18	
5 21	18 37.33	-11 21.6	2.812	3.640	10.4	21.4	5 21	18 45.03	-42 20.4	1.360	2.215	18.0	20.0
5 31	18 32.76	-11 15.8	2.714	3.623	8.2	21.2	5 31	18 40.86	-43 7.9	1.285	2.200	15.0	19.8
6 10	18 26.75	-11 16.8	2.639	3.605	5.8	21.1	6 10	18 32.87	-43 40.0	1.228	2.185	11.9	19.6
6 20	18 19.71	-11 25.3	2.591	3.587	3.8	20.9	6 20	18 22.00	-43 48.1	1.192	2.171	9.7	19.4
6 30	18 12.22	-11 41.1	2.571	3.569	3.6	20.9	6 30	18 9.96	-43 26.4	1.178	2.159	9.7	19.4
7 10	18 4.93	-12 3.7	2.579	3.551	5.6	21.0	7 10	17 58.85	-42 34.8	1.187	2.147	12.0	19.5
7 20	17 58.46	-12 32.2	2.614	3.532	8.2	21.1	7 20	17 50.41	-41 19.3	1.216	2.136	15.4	19.6
7 30	17 53.34	-13 5.2	2.673	3.514	10.7	21.2	7 30	17 45.81	-39 49.0	1.264	2.126	18.9	19.8
<b>431069</b>	2006 <i>BJ</i> <sub>233</sub>		6 25.0 268°21	0°8/24.9	17		<b>418306</b>	2008 <i>FK</i> <sub>53</sub>		6 25.0 96°26	2°0/24.9	17	
5 21	18 42.94	-24 38.5	1.805	2.664	14.0	21.5	5 21	18 46.24	-27 3.8	1.621	2.480	15.3	21.8
5 31	18 37.88	-24 54.5	1.719	2.653	10.6	21.3	5 31	18 40.35	-27 30.4	1.561	2.494	11.6	21.6
6 10	18 30.35	-25 11.2	1.656	2.641	6.7	21.0	6 10	18 31.79	-27 55.2	1.523	2.507	7.3	21.3
6 20	18 21.02	-25 26.1	1.617	2.630	2.4	20.7	6 20	18 21.46	-28 14.8	1.510	2.521	3.1	21.1
6 30	18 10.91	-25 37.2	1.606	2.618	2.5	20.7	6 30	18 10.58	-28 26.4	1.523	2.534	3.1	21.1
7 10	18 1.24	-25 43.5	1.620	2.607	6.8	20.9	7 10	18 0.53	-28 29.4	1.562	2.547	7.3	21.4
7 20	17 53.12	-25 45.4	1.660	2.595	11.0	21.2	7 20	17 52.40	-28 25.3	1.625	2.559	11.3	21.7
7 30	17 47.40	-25 44.4	1.721	2.583	14.6	21.4	7 30	17 47.00	-28 16.5	1.711	2.571	14.7	21.9

EPHEMERIDES

6 25.0

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>144163</b>	2004 <i>BV</i> <sub>103</sub>		6 25.0 215 <sup>o</sup> 70	1 <sup>o</sup> 5/24.9	18		<b>323324</b>	2003 <i>UL</i> <sub>135</sub>		6 25.0 267 <sup>o</sup> 07	3 <sup>o</sup> 5/24.9	18	R
5 21	18 45.84	-26 1.5	1.870	2.722	13.9	20.7	5 21	18 46.69	-31 3.0	1.572	2.431	15.7	20.9
5 31	18 39.99	-26 25.2	1.786	2.716	10.6	20.5	5 31	18 41.26	-31 20.2	1.485	2.416	12.2	20.6
6 10	18 31.63	-26 48.7	1.726	2.709	6.7	20.3	6 10	18 32.74	-31 31.9	1.420	2.401	8.1	20.3
6 20	18 21.46	-27 8.9	1.690	2.702	2.6	20.0	6 20	18 21.92	-31 33.9	1.379	2.386	4.3	20.1
6 30	18 10.52	-27 23.1	1.682	2.694	2.7	20.0	6 30	18 10.10	-31 22.8	1.363	2.371	4.3	20.0
7 10	18 0.07	-27 30.4	1.701	2.685	6.8	20.2	7 10	17 58.85	-30 58.7	1.373	2.355	8.3	20.2
7 20	17 51.20	-27 31.3	1.745	2.676	10.8	20.4	7 20	17 49.59	-30 24.3	1.406	2.339	12.7	20.4
7 30	17 44.78	-27 27.8	1.812	2.666	14.3	20.6	7 30	17 43.37	-29 44.3	1.460	2.323	16.7	20.6
<b>364692</b>	2007 <i>UH</i> <sub>25</sub>		6 25.0 348 <sup>o</sup> 11	5 <sup>o</sup> 8/24.8	17		<b>511181</b>	2013 <i>YF</i> <sub>95</sub>		6 25.0 272 <sup>o</sup> 14	0 <sup>o</sup> 5/25.1	18	
5 21	18 36.17	-15 45.1	0.985	1.881	19.9	20.0	5 21	18 43.32	-20 54.5	1.896	2.749	13.7	22.0
5 31	18 33.93	-14 43.4	0.922	1.871	15.6	19.7	5 31	18 38.19	-21 12.6	1.796	2.726	10.5	21.7
6 10	18 28.39	-13 48.6	0.876	1.862	10.7	19.4	6 10	18 30.62	-21 35.0	1.718	2.702	6.6	21.4
6 20	18 20.44	-13 4.9	0.849	1.855	6.5	19.2	6 20	18 21.18	-22 0.0	1.665	2.677	2.3	21.1
6 30	18 11.54	-12 36.2	0.843	1.849	6.6	19.2	6 30	18 10.80	-22 25.3	1.639	2.653	2.3	21.1
7 10	18 3.42	-12 24.4	0.857	1.845	11.0	19.4	7 10	18 0.63	-22 49.5	1.641	2.628	6.8	21.3
7 20	17 57.57	-12 29.1	0.890	1.842	16.0	19.6	7 20	17 51.81	-23 11.7	1.668	2.602	11.0	21.5
7 30	17 55.03	-12 48.0	0.941	1.841	20.5	19.9	7 30	17 45.25	-23 32.1	1.718	2.576	14.8	21.7
<b>396093</b>	2013 <i>CJ</i> <sub>115</sub>		6 25.0 195 <sup>o</sup> 08	6 <sup>o</sup> 0/26.2	18		<b>43673</b>	2002 <i>GO</i> <sub>17</sub>		6 25.0 332 <sup>o</sup> 66	1 <sup>o</sup> 9/25.2	18	
5 21	18 38.31	-2 53.1	2.566	3.367	12.1	21.4	5 21	18 39.10	-18 49.5	1.169	2.054	18.2	18.7
5 31	18 33.50	-2 39.9	2.486	3.366	10.0	21.3	5 31	18 35.95	-18 52.5	1.095	2.042	14.0	18.4
6 10	18 27.19	-2 39.1	2.428	3.364	7.9	21.1	6 10	18 29.63	-19 3.3	1.040	2.030	9.0	18.1
6 20	18 19.86	-2 52.1	2.396	3.363	6.3	21.0	6 20	18 20.90	-19 21.2	1.006	2.018	3.7	17.8
6 30	18 12.14	-3 19.2	2.390	3.361	6.1	21.0	6 30	18 11.10	-19 44.3	0.995	2.008	3.5	17.7
7 10	18 4.74	-3 59.3	2.412	3.358	7.5	21.1	7 10	18 1.88	-20 10.9	1.007	1.999	8.9	18.0
7 20	17 58.26	-4 50.4	2.459	3.356	9.5	21.2	7 20	17 54.74	-20 39.2	1.039	1.991	14.2	18.3
7 30	17 53.27	-5 49.7	2.529	3.353	11.7	21.4	7 30	17 50.80	-21 8.4	1.090	1.983	18.9	18.5
<b>161991</b>	1981 <i>EU</i> <sub>36</sub>		6 25.0 142 <sup>o</sup> 48	1 <sup>o</sup> 7/25.1	18		<b>64934</b>	2001 <i>YX</i> <sub>113</sub>		6 25.0 139 <sup>o</sup> 95	6 <sup>o</sup> 8/26.4	18	
5 21	18 46.56	-19 35.9	1.745	2.595	14.8	20.9	5 21	18 38.26	-0 44.4	2.492	3.286	12.6	19.4
5 31	18 40.28	-19 21.7	1.678	2.606	11.2	20.7	5 31	18 33.46	-0 26.0	2.419	3.290	10.6	19.3
6 10	18 31.63	-19 10.6	1.633	2.616	7.1	20.5	6 10	18 27.16	-0 21.5	2.369	3.294	8.6	19.1
6 20	18 21.40	-19 2.1	1.614	2.625	2.9	20.2	6 20	18 19.86	-0 32.5	2.343	3.299	7.1	19.1
6 30	18 10.68	-18 55.7	1.622	2.634	2.8	20.2	6 30	18 12.20	-0 59.5	2.343	3.303	6.9	19.1
7 10	18 0.67	-18 51.6	1.657	2.642	7.0	20.5	7 10	18 4.90	-1 41.3	2.369	3.306	8.1	19.1
7 20	17 52.37	-18 50.2	1.717	2.649	10.9	20.8	7 20	17 58.58	-2 35.6	2.421	3.310	10.0	19.3
7 30	17 46.51	-18 51.9	1.800	2.656	14.4	21.0	7 30	17 53.76	-3 39.1	2.495	3.314	12.0	19.4
<b>91904</b>	1999 <i>VW</i> <sub>19</sub>		6 25.0 206 <sup>o</sup> 38	0 <sup>o</sup> 3/25.1	18		<b>468048</b>	2013 <i>RN</i> <sub>18</sub>		6 25.0 315 <sup>o</sup> 15	1 <sup>o</sup> 6/24.9	18	
5 21	18 39.48	-21 56.1	2.805	3.647	10.1	20.6	5 21	18 41.94	-21 52.0	1.358	2.233	16.8	20.6
5 31	18 34.36	-22 2.0	2.718	3.643	7.6	20.4	5 31	18 37.70	-21 18.4	1.278	2.219	12.8	20.3
6 10	18 27.72	-22 9.2	2.656	3.639	4.7	20.2	6 10	18 30.51	-20 44.6	1.218	2.206	8.2	20.0
6 20	18 20.04	-22 16.5	2.621	3.634	1.6	20.0	6 20	18 21.16	-20 10.8	1.182	2.194	3.2	19.7
6 30	18 11.97	-22 23.4	2.616	3.629	1.6	20.0	6 30	18 10.91	-19 37.9	1.169	2.182	3.2	19.7
7 10	18 4.20	-22 29.4	2.639	3.623	4.7	20.2	7 10	18 1.28	-19 7.8	1.181	2.170	8.4	19.9
7 20	17 57.38	-22 34.5	2.689	3.617	7.6	20.4	7 20	17 53.60	-18 42.4	1.215	2.159	13.3	20.2
7 30	17 52.05	-22 39.0	2.764	3.611	10.2	20.5	7 30	17 48.85	-18 23.3	1.269	2.148	17.7	20.4
<b>296365</b>	2009 <i>FZ</i> <sub>29</sub>		6 25.0 8 <sup>o</sup> 96	3 <sup>o</sup> 1/24.6	17		<b>397382</b>	2006 <i>VU</i> <sub>3</sub>		6 25.0 209 <sup>o</sup> 54	3 <sup>o</sup> 5/25.2	18	
5 21	18 42.66	-26 19.5	1.162	2.046	18.4	20.2	5 21	18 39.48	-12 57.2	2.456	3.291	11.6	22.1
5 31	18 38.75	-27 19.5	1.101	2.047	14.0	20.0	5 31	18 34.47	-12 32.7	2.373	3.287	9.0	22.0
6 10	18 31.39	-28 21.7	1.059	2.048	9.0	19.7	6 10	18 27.84	-12 14.1	2.313	3.283	6.3	21.8
6 20	18 21.47	-29 19.9	1.039	2.050	4.1	19.4	6 20	18 20.11	-12 2.3	2.280	3.278	4.0	21.6
6 30	18 10.54	-30 7.6	1.043	2.053	4.5	19.4	6 30	18 11.97	-11 57.8	2.274	3.274	3.9	21.6
7 10	18 0.45	-30 41.4	1.069	2.057	9.4	19.7	7 10	18 4.17	-12 0.6	2.296	3.269	6.2	21.8
7 20	17 52.75	-31 1.4	1.117	2.061	14.2	20.0	7 20	17 57.40	-12 10.2	2.344	3.263	9.0	21.9
7 30	17 48.54	-31 10.4	1.183	2.066	18.5	20.3	7 30	17 52.23	-12 25.8	2.416	3.258	11.6	22.1
<b>18718</b>	1998 <i>HJ</i> <sub>128</sub>		6 25.0 233 <sup>o</sup> 53	7 <sup>o</sup> 5/25.9	18		<b>352377</b>	2007 <i>VL</i> <sub>286</sub>		6 25.0 181 <sup>o</sup> 68	2 <sup>o</sup> 2/24.7	16	
5 21	18 40.50	-3 4.7	1.971	2.785	14.8	17.8	5 21	18 42.77	-28 26.2	2.307	3.154	11.8	21.2
5 31	18 35.60	-2 34.1	1.891	2.778	12.3	17.6	5 31	18 37.25	-29 1.6	2.229	3.154	9.0	21.0
6 10	18 28.72	-2 18.4	1.831	2.771	9.8	17.5	6 10	18 29.72	-29 35.5	2.174	3.154	5.8	20.8
6 20	18 20.44	-2 20.2	1.796	2.764	7.9	17.3	6 20	18 20.79	-30 4.7	2.146	3.154	2.8	20.6
6 30	18 11.58	-2 40.7	1.785	2.757	7.7	17.3	6 30	18 11.30	-30 26.8	2.146	3.154	3.0	20.7
7 10	18 3.09	-3 19.1	1.800	2.750	9.4	17.4	7 10	18 2.23	-30 40.9	2.174	3.153	6.0	20.9
7 20	17 55.84	-4 12.7	1.840	2.742	12.0	17.5	7 20	17 54.44	-30 47.2	2.228	3.153	9.1	21.0
7 30	17 50.52	-5 17.7	1.901	2.734	14.6	17.7	7 30	17 48.64	-30 47.4	2.306	3.151	12.0	21.2
<b>504781</b>	2009 <i>YR</i> <sub>11</sub>		6 25.0 184 <sup>o</sup> 64	1 <sup>o</sup> 3/24.9	17		<b>89933</b>	2002 <i>EA</i> <sub>89</sub>		6 25.0 314 <sup>o</sup> 59	5 <sup>o</sup> 8/25.6	18	
5 21	18 44.66	-26 50.5	2.265	3.109	12.1	23.0	5 21	18 37.40	-6 37.0	2.208	3.034	13.0	19.4
5 31	18 38.60	-27 3.7	2.185	3.110	9.1	22.8	5 31	18 33.09	-6 8.2	2.127	3.027	10.6	19.2
6 10	18 30.51	-27 15.2	2.128	3.109	5.8	22.6	6 10	18 27.07	-5 50.4	2.069	3.021	8.1	19.0
6 20	18 21.03	-27 22.7	2.098	3.109	2.3	22.3	6 20	18 19.87	-5 45.4	2.035	3.016	6.2	18.9
6 30	18 11.02	-27 24.8	2.096	3.107	2.3	22.3	6 30	18 12.21	-5 54.1	2.028	3.010	6.1	18.9
7 10	18 1.49	-27 21.2	2.122	3.105	5.8	22.6	7 10	18 4.89	-6 16.2	2.046	3.004	7.8	19.0
7 20	17 53.31	-27 12.7	2.176	3.103	9.2	22.8	7 20	17 58.64	-6 49.9	2.089	2.999	10.4	19.1
7 30	17 47.15	-27 1.2	2.252	3.099	12.2	23.0	7 30						

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6 25.0

6 25.1

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>178114</b>	2006 SA <sub>391</sub>		6 25.0 222°58'	4.7/24.7	18		<b>36482</b>	2000 QR <sub>31</sub>		6 25.1 257°05'	5.6/24.4	18	
5 21	18 44.46	-36 53.5	2.356	3.189	12.0	20.5	5 21	18 48.30	-34 2.1	1.553	2.408	16.1	18.8
5 31	18 38.66	-37 27.2	2.275	3.185	9.5	20.3	5 31	18 42.76	-34 56.3	1.470	2.395	12.7	18.6
6 10	18 30.66	-37 53.4	2.217	3.180	6.9	20.2	6 10	18 33.87	-35 45.1	1.408	2.381	9.0	18.3
6 20	18 21.12	-38 8.4	2.185	3.175	5.0	20.0	6 20	18 22.41	-36 21.8	1.369	2.368	6.1	18.1
6 30	18 10.99	-38 9.7	2.180	3.170	5.1	20.0	6 30	18 9.75	-36 40.5	1.356	2.353	6.3	18.1
7 10	18 1.35	-37 56.8	2.202	3.165	7.1	20.1	7 10	17 57.63	-36 39.2	1.367	2.339	9.6	18.3
7 20	17 53.15	-37 31.7	2.250	3.159	9.8	20.3	7 20	17 47.63	-36 20.4	1.402	2.324	13.6	18.4
7 30	17 47.14	-36 57.9	2.321	3.153	12.3	20.5	7 30	17 40.92	-35 49.1	1.456	2.309	17.3	18.6
<b>387071</b>	2012 TA <sub>85</sub>		6 25.0 334°43'	0°2/25.1	17		<b>184181</b>	2004 OO		6 25.1 314°71'	1°0/25.0	18	
5 21	18 41.50	-23 6.2	1.721	2.584	14.4	21.3	5 21	18 39.74	-25 31.6	1.934	2.795	13.1	20.4
5 31	18 36.75	-23 5.2	1.645	2.581	10.9	21.0	5 31	18 35.40	-25 40.4	1.842	2.777	10.0	20.2
6 10	18 29.60	-23 5.2	1.591	2.578	6.8	20.8	6 10	18 28.81	-25 48.7	1.773	2.759	6.3	19.9
6 20	18 20.78	-23 4.6	1.562	2.575	2.3	20.5	6 20	18 20.57	-25 54.7	1.729	2.742	2.3	19.6
6 30	18 11.33	-23 2.6	1.558	2.572	2.3	20.5	6 30	18 11.61	-25 56.6	1.712	2.725	2.4	19.6
7 10	18 2.44	-22 58.8	1.581	2.569	6.8	20.8	7 10	18 3.02	-25 54.1	1.721	2.708	6.5	19.8
7 20	17 55.15	-22 54.1	1.628	2.567	10.9	21.0	7 20	17 55.80	-25 47.8	1.755	2.692	10.4	20.0
7 30	17 50.25	-22 49.5	1.697	2.565	14.5	21.2	7 30	17 50.76	-25 39.2	1.811	2.676	13.9	20.2
<b>255083</b>	2005 UG <sub>39</sub>		6 25.1 334°76'	0°8/25.1	18		<b>503947</b>	2003 UD <sub>242</sub>		6 25.1 292°81'	1°8/24.9	17	
5 21	18 38.31	-21 9.1	1.808	2.673	13.7	20.5	5 21	18 44.61	-25 33.2	1.445	2.314	16.3	21.8
5 31	18 34.31	-21 9.6	1.725	2.662	10.4	20.3	5 31	18 40.15	-26 2.9	1.345	2.283	12.6	21.5
6 10	18 28.09	-21 12.8	1.665	2.651	6.6	20.0	6 10	18 32.42	-26 34.9	1.265	2.252	8.1	21.1
6 20	18 20.28	-21 17.8	1.628	2.641	2.4	19.7	6 20	18 22.01	-27 5.5	1.208	2.220	3.2	20.8
6 30	18 11.82	-21 23.8	1.618	2.631	2.3	19.7	6 30	18 10.09	-27 30.3	1.176	2.189	3.4	20.7
7 10	18 3.79	-21 30.1	1.634	2.622	6.6	20.0	7 10	17 58.33	-27 46.7	1.169	2.157	8.7	20.9
7 20	17 57.17	-21 36.7	1.674	2.614	10.6	20.2	7 20	17 48.35	-27 54.4	1.185	2.125	14.0	21.1
7 30	17 52.74	-21 43.8	1.736	2.606	14.1	20.4	7 30	17 41.50	-27 55.8	1.220	2.093	18.7	21.3
<b>498125</b>	2007 TG <sub>15</sub>		6 25.1 256°18'	0°4/25.0	17		<b>228842</b>	2003 EN <sub>32</sub>		6 25.1 336°09'	6°0/24.9	18	
5 21	18 49.42	-24 29.7	2.141	2.979	12.9	24.3	5 21	18 45.02	-36 13.9	1.475	2.335	16.5	19.7
5 31	18 42.65	-24 31.2	2.026	2.948	9.9	24.0	5 31	18 40.21	-36 47.0	1.403	2.329	13.1	19.4
6 10	18 33.37	-24 31.8	1.935	2.916	6.3	23.7	6 10	18 32.16	-37 10.3	1.351	2.324	9.4	19.2
6 20	18 22.15	-24 29.7	1.870	2.882	2.2	23.4	6 20	18 21.77	-37 17.7	1.322	2.318	6.5	19.0
6 30	18 9.92	-24 23.1	1.834	2.847	2.2	23.3	6 30	18 10.50	-37 5.4	1.317	2.314	6.5	19.0
7 10	17 57.85	-24 11.7	1.828	2.810	6.6	23.6	7 10	18 0.05	-36 33.6	1.335	2.309	9.5	19.2
7 20	17 47.06	-23 56.6	1.848	2.772	10.7	23.7	7 20	17 51.86	-35 46.4	1.377	2.305	13.3	19.4
7 30	17 38.52	-23 39.9	1.892	2.733	14.4	23.9	7 30	17 46.91	-34 50.0	1.438	2.302	16.9	19.6
<b>207403</b>	2006 BB <sub>83</sub>		6 25.1 166°14'	0°5/25.0	17		<b>157742</b>	2006 BX <sub>214</sub>		6 25.1 235°31'	0°2/25.1	18	
5 21	18 46.45	-24 40.1	1.405	2.272	16.8	20.6	5 21	18 39.83	-24 14.8	2.671	3.516	10.4	20.5
5 31	18 40.95	-24 39.5	1.336	2.274	12.7	20.4	5 31	18 34.75	-24 14.4	2.582	3.508	7.8	20.3
6 10	18 32.43	-24 38.3	1.288	2.275	8.0	20.1	6 10	18 28.05	-24 13.5	2.517	3.500	4.9	20.1
6 20	18 21.79	-24 34.2	1.263	2.276	2.8	19.8	6 20	18 20.24	-24 11.3	2.480	3.492	1.7	19.9
6 30	18 10.40	-24 25.8	1.263	2.277	2.7	19.8	6 30	18 12.00	-24 7.0	2.471	3.484	1.7	19.9
7 10	17 59.81	-24 13.3	1.289	2.277	7.9	20.1	7 10	18 4.10	-24 0.5	2.490	3.475	4.9	20.1
7 20	17 51.34	-23 58.4	1.337	2.278	12.7	20.4	7 20	17 57.21	-23 52.5	2.537	3.467	7.9	20.3
7 30	17 45.89	-23 43.6	1.407	2.278	16.7	20.6	7 30	17 51.91	-23 43.8	2.608	3.458	10.6	20.4
<b>177282</b>	2003 WQ <sub>151</sub>		6 25.1 117°41'	0°2/25.0	17		<b>47503</b>	2000 AQ <sub>54</sub>		6 25.1 263°98'	0°4/25.0	18	
5 21	18 46.28	-23 43.5	1.720	2.575	14.8	20.8	5 21	18 44.73	-23 24.0	1.719	2.577	14.7	20.1
5 31	18 40.15	-23 45.8	1.657	2.588	11.1	20.6	5 31	18 39.49	-23 38.8	1.626	2.558	11.2	19.8
6 10	18 31.60	-23 48.4	1.616	2.601	6.9	20.3	6 10	18 31.56	-23 55.5	1.554	2.539	7.1	19.5
6 20	18 21.43	-23 49.3	1.601	2.614	2.4	20.1	6 20	18 21.58	-24 11.9	1.507	2.520	2.5	19.2
6 30	18 10.80	-23 47.3	1.613	2.626	2.3	20.1	6 30	18 10.63	-24 25.6	1.486	2.500	2.5	19.1
7 10	18 0.93	-23 42.4	1.651	2.638	6.7	20.4	7 10	18 0.01	-24 35.4	1.492	2.479	7.3	19.4
7 20	17 52.84	-23 35.7	1.714	2.649	10.8	20.7	7 20	17 50.97	-24 41.4	1.523	2.459	11.8	19.6
7 30	17 47.27	-23 28.6	1.800	2.660	14.2	20.9	7 30	17 44.50	-24 45.0	1.575	2.437	15.7	19.8
<b>355649</b>	2008 EH <sub>60</sub>		6 25.1 9°50'	7°3/24.9	18		<b>467839</b>	2010 TZ <sub>66</sub>		6 25.1 262°57'	2°6/25.1	17	
5 21	18 46.58	-43 59.3	2.157	2.976	13.5	20.1	5 21	18 43.87	-17 54.3	1.589	2.447	15.6	22.0
5 31	18 40.60	-44 38.8	2.087	2.976	11.2	20.0	5 31	18 38.83	-17 35.4	1.501	2.433	12.0	21.7
6 10	18 31.99	-45 5.4	2.038	2.977	9.0	19.8	6 10	18 31.12	-17 21.2	1.435	2.418	7.9	21.5
6 20	18 21.60	-45 14.0	2.013	2.978	7.5	19.7	6 20	18 21.42	-17 11.8	1.393	2.402	3.7	21.2
6 30	18 10.61	-45 1.8	2.013	2.978	7.5	19.7	6 30	18 10.82	-17 7.4	1.376	2.386	3.6	21.1
7 10	18 0.37	-44 29.0	2.039	2.979	9.0	19.8	7 10	18 0.65	-17 8.0	1.385	2.370	8.0	21.3
7 20	17 51.99	-43 39.2	2.089	2.980	11.2	20.0	7 20	17 52.12	-17 13.5	1.418	2.354	12.4	21.6
7 30	17 46.27	-42 37.7	2.161	2.981	13.5	20.1	7 30	17 46.19	-17 24.1	1.472	2.338	16.5	21.8
<b>247411</b>	2002 CY <sub>108</sub>		6 25.1 113°99'	3°1/25.4	17		<b>121654</b>	Michaelprzby		6 25.1 166°61'	0°2/25.0	18	
5 21	18 44.99	-15 23.6	1.534	2.389	16.3	20.2	5 21	18 39.89	-22 59.1	2.674	3.518	10.4	20.4
5 31	18 39.38	-15 21.3	1.472	2.400	12.5	20.0	5 31	18 34.76	-23 16.3	2.594	3.520	7.8	20.3
6 10	18 31.23	-15 27.6	1.430	2.410	8.2	19.8	6 10	18 28.03	-23 34.7	2.539	3.522	4.9	20.1
6 20	18 21.34	-15 42.1	1.413	2.421	4.1	19.5	6 20	18 20.23	-23 52.7	2.512	3.524	1.7	19.8
6 30	18 10.89	-16 3.7	1.422	2.430	3.9	19.6	6 30	18 12.03	-24 9.1	2.513	3.526	1.6	19.8
7 10	18 1.17	-16 30.7	1.456	2.440	7.8	19.8	7 10	18 4.18	-24 23.2	2.543	3.527	4.8	20.1
7 20	17 53.26	-17 1.5	1.515	2.449	11.9	20.1	7 20	17 57.34	-24 34.9	2.600	3.529	7.8	20.3
7 30	17 47.95	-17 34.9	1.594	2.458	15.5	20.3	7 30	17 52.08	-24 44.5	2.681	3.530	10.4	20.4
<b>488690</b>	2003 WE <sub>22</sub>		6 25.1 260°12'	4°0/24.7	18		<b>191290</b>	2003 FR <sub>102</sub>		6 25.1 3°85'	14°0/26.4	17	

EPHEMERIDES

6 25.1

6 25.1

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>279788</b>	1999 <i>VH</i> <sub>60</sub>	6 25.1 306°23		4°1/24.9 17			<b>239184</b>	2006 <i>KG</i> <sub>92</sub>	6 25.1 182°18		2°3/25.2 18		
5 21	18 39.96	-15 16.4	1.633	2.493	15.2	20.4	5 21	18 41.79	-16 37.5	2.245	3.087	12.3	21.6
5 31	18 35.81	-14 38.8	1.541	2.471	11.9	20.1	5 31	18 36.39	-16 27.0	2.166	3.087	9.4	21.4
6 10	18 29.20	-14 6.5	1.471	2.450	8.2	19.9	6 10	18 29.16	-16 21.0	2.110	3.087	6.1	21.2
6 20	18 20.76	-13 41.3	1.424	2.429	4.8	19.6	6 20	18 20.69	-16 19.6	2.080	3.087	3.1	21.0
6 30	18 11.47	-13 24.8	1.403	2.408	4.8	19.6	6 30	18 11.76	-16 22.6	2.078	3.087	2.9	21.0
7 10	18 2.53	-13 17.9	1.407	2.388	8.4	19.7	7 10	18 3.25	-16 29.6	2.104	3.086	6.0	21.2
7 20	17 55.07	-13 20.7	1.434	2.367	12.5	19.9	7 20	17 55.92	-16 40.2	2.157	3.084	9.2	21.4
7 30	17 49.99	-13 32.4	1.481	2.348	16.3	20.1	7 30	17 50.42	-16 54.0	2.233	3.082	12.2	21.6
<b>404812</b>	2014 <i>JB</i> <sub>67</sub>	6 25.1 133°16		0°6/24.9 18			<b>356718</b>	2011 <i>UN</i> <sub>174</sub>	6 25.1 109°48		0°6/25.2 18		
5 21	18 40.84	-23 6.0	2.328	3.177	11.6	21.1	5 21	18 40.26	-19 46.0	2.298	3.146	11.8	20.7
5 31	18 35.74	-23 41.2	2.250	3.179	8.7	20.9	5 31	18 35.27	-20 10.0	2.222	3.150	8.9	20.5
6 10	18 28.78	-24 18.5	2.197	3.181	5.4	20.7	6 10	18 28.49	-20 37.9	2.170	3.153	5.6	20.3
6 20	18 20.52	-24 55.5	2.170	3.183	1.9	20.4	6 20	18 20.46	-21 8.1	2.144	3.156	2.0	20.1
6 30	18 11.76	-25 30.2	2.172	3.185	1.9	20.4	6 30	18 11.97	-21 39.1	2.147	3.160	1.9	20.1
7 10	18 3.37	-26 0.8	2.202	3.186	5.5	20.7	7 10	18 3.86	-22 9.4	2.177	3.163	5.4	20.3
7 20	17 56.15	-26 26.9	2.258	3.188	8.7	20.9	7 20	17 56.91	-22 37.9	2.234	3.166	8.7	20.5
7 30	17 50.75	-26 48.6	2.338	3.190	11.6	21.1	7 30	17 51.74	-23 4.6	2.314	3.169	11.6	20.7
<b>512471</b>	2016 <i>QK</i> <sub>55</sub>	6 25.1 296°35		0°1/25.1 18			<b>31289</b>	1998 <i>FN</i> <sub>62</sub>	6 25.1 158°36		4°3/24.8 18		
5 21	18 42.54	-24 44.5	1.754	2.615	14.3	21.2	5 21	18 44.09	-35 39.5	2.304	3.142	12.1	18.6
5 31	18 37.65	-24 23.9	1.664	2.598	10.9	21.0	5 31	18 38.38	-36 8.6	2.229	3.143	9.5	18.5
6 10	18 30.28	-24 1.0	1.595	2.581	6.8	20.7	6 10	18 30.51	-36 30.6	2.178	3.145	6.8	18.3
6 20	18 21.11	-23 34.9	1.552	2.565	2.4	20.4	6 20	18 21.18	-36 42.1	2.152	3.146	4.6	18.2
6 30	18 11.17	-23 5.5	1.534	2.548	2.3	20.3	6 30	18 11.34	-36 40.8	2.153	3.148	4.7	18.2
7 10	18 1.71	-22 34.0	1.543	2.531	7.0	20.6	7 10	18 2.04	-36 26.7	2.182	3.149	6.9	18.3
7 20	17 53.83	-22 2.3	1.577	2.515	11.3	20.8	7 20	17 54.20	-36 1.7	2.236	3.150	9.6	18.5
7 30	17 48.38	-21 32.9	1.633	2.499	15.1	21.0	7 30	17 48.51	-35 29.0	2.313	3.151	12.2	18.6
<b>308429</b>	2005 <i>SP</i> <sub>141</sub>	6 25.1 226°14		2°1/24.8 18			<b>437178</b>	2012 <i>VR</i> <sub>71</sub>	6 25.1 336°44		5°1/24.0 18		
5 21	18 41.69	-29 22.3	2.622	3.464	10.7	21.5	5 21	18 40.65	-30 31.1	1.415	2.290	16.3	19.9
5 31	18 36.30	-29 46.4	2.534	3.457	8.1	21.3	5 31	18 37.14	-31 47.1	1.337	2.276	12.6	19.7
6 10	18 29.10	-30 8.1	2.470	3.449	5.3	21.1	6 10	18 30.48	-33 3.2	1.280	2.262	8.7	19.4
6 20	18 20.65	-30 25.0	2.433	3.440	2.7	20.9	6 20	18 21.37	-34 12.3	1.246	2.250	5.5	19.2
6 30	18 11.67	-30 35.4	2.424	3.432	2.7	20.9	6 30	18 11.06	-35 7.7	1.236	2.238	5.9	19.2
7 10	18 3.03	-30 38.5	2.444	3.423	5.5	21.1	7 10	18 1.21	-35 45.4	1.250	2.227	9.6	19.4
7 20	17 55.49	-30 35.0	2.491	3.414	8.4	21.2	7 20	17 53.34	-36 5.0	1.286	2.218	13.8	19.6
7 30	17 49.69	-30 26.5	2.561	3.404	11.0	21.4	7 30	17 48.62	-36 9.8	1.341	2.209	17.6	19.8
<b>17891</b>	Buraliforti	6 25.1 354°90		12°8/24.9 18			<b>440639</b>	2005 <i>WP</i> <sub>87</sub>	6 25.1 251°05		0°1/25.1 17		
5 21	18 39.23	-45 15.7	1.053	1.925	20.8	17.3	5 21	18 43.88	-25 49.9	2.602	3.441	10.9	21.1
5 31	18 37.41	-46 33.2	0.996	1.915	17.8	17.0	5 31	18 37.79	-25 9.0	2.506	3.429	8.2	20.9
6 10	18 31.18	-47 29.9	0.955	1.908	15.0	16.8	6 10	18 29.96	-24 24.2	2.435	3.416	5.1	20.7
6 20	18 21.60	-47 54.7	0.933	1.903	13.1	16.7	6 20	18 20.98	-23 35.2	2.392	3.404	1.8	20.5
6 30	18 10.75	-47 39.8	0.929	1.899	13.1	16.7	6 30	18 11.60	-22 43.1	2.378	3.391	1.7	20.4
7 10	18 1.19	-46 45.6	0.944	1.898	15.0	16.8	7 10	18 2.64	-21 49.5	2.395	3.378	5.2	20.7
7 20	17 54.88	-45 19.9	0.976	1.899	18.0	17.0	7 20	17 54.84	-20 56.6	2.439	3.365	8.4	20.8
7 30	17 52.99	-43 34.1	1.026	1.902	21.2	17.2	7 30	17 48.78	-20 6.7	2.508	3.352	11.2	21.0
<b>12358</b>	Azzurra	6 25.1 74°85		4°0/25.2 18			<b>200414</b>	2000 <i>SQ</i> <sub>133</sub>	6 25.1 230°98		0°8/25.1 18		
5 21	18 41.14	-13 38.5	1.866	2.713	14.1	17.9	5 21	18 44.93	-26 9.0	2.119	2.967	12.7	21.1
5 31	18 36.06	-13 7.4	1.803	2.724	11.0	17.7	5 31	18 39.07	-26 4.3	2.029	2.956	9.6	20.9
6 10	18 28.97	-12 43.7	1.762	2.735	7.5	17.6	6 10	18 31.01	-25 57.4	1.962	2.945	6.1	20.7
6 20	18 20.59	-12 28.4	1.746	2.747	4.6	17.4	6 20	18 21.41	-25 46.6	1.921	2.933	2.2	20.4
6 30	18 11.81	-12 22.3	1.756	2.758	4.5	17.4	6 30	18 11.18	-25 31.1	1.908	2.921	2.2	20.4
7 10	18 3.63	-12 25.2	1.793	2.770	7.3	17.6	7 10	18 1.39	-25 11.1	1.923	2.908	6.1	20.6
7 20	17 56.87	-12 36.2	1.855	2.781	10.6	17.8	7 20	17 52.99	-24 48.2	1.964	2.895	9.8	20.8
7 30	17 52.18	-12 54.1	1.939	2.792	13.6	18.0	7 30	17 46.73	-24 24.5	2.029	2.881	13.1	21.0
<b>431897</b>	2008 <i>SZ</i> <sub>287</sub>	6 25.1 314°87		0°3/25.1 16			<b>511100</b>	2013 <i>UV</i> <sub>4</sub>	6 25.1 288°08		1°9/24.9 18		
5 21	18 41.25	-23 3.9	1.585	2.454	15.2	21.3	5 21	18 44.04	-21 21.0	1.579	2.441	15.5	21.1
5 31	18 36.89	-22 58.9	1.503	2.441	11.5	21.0	5 31	18 39.12	-20 41.8	1.483	2.418	11.9	20.8
6 10	18 29.91	-22 54.9	1.442	2.430	7.3	20.8	6 10	18 31.43	-20 1.5	1.409	2.394	7.7	20.5
6 20	18 21.02	-22 50.3	1.405	2.418	2.5	20.4	6 20	18 21.65	-19 20.5	1.359	2.371	3.2	20.2
6 30	18 11.33	-22 44.4	1.393	2.407	2.5	20.4	6 30	18 10.89	-18 39.9	1.335	2.347	3.2	20.1
7 10	18 2.16	-22 37.1	1.407	2.396	7.3	20.7	7 10	18 0.54	-18 1.9	1.336	2.323	8.0	20.3
7 20	17 54.67	-22 29.2	1.444	2.386	11.8	20.9	7 20	17 51.86	-17 28.8	1.362	2.299	12.8	20.5
7 30	17 49.76	-22 22.0	1.502	2.376	15.7	21.1	7 30	17 45.85	-17 2.6	1.408	2.275	17.0	20.7
<b>308397</b>	2005 <i>SJ</i> <sub>48</sub>	6 25.1 206°92		3°8/25.2 18			<b>172858</b>	2005 <i>EC</i> <sub>69</sub>	6 25.1 125°70		2°0/25.2 17 R		
5 21	18 38.74	-11 5.7	2.750	3.576	10.7	21.7	5 21	18 46.24	-18 18.8	1.740	2.590	14.9	20.7
5 31	18 33.79	-10 38.7	2.665	3.571	8.4	21.6	5 31	18 40.08	-18 12.6	1.678	2.604	11.3	20.5
6 10	18 27.40	-10 18.0	2.604	3.566	6.1	21.4	6 10	18 31.60	-18 11.2	1.637	2.618	7.2	20.3
6 20	18 20.05	-10 4.5	2.569	3.561	4.1	21.3	6 20	18 21.57	-18 13.7	1.621	2.631	3.1	20.1
6 30	18 12.32	-9 58.9	2.562	3.556	4.1	21.3	6 30	18 11.09	-18 19.4	1.633	2.644	2.9	20.1
7 10	18 4.90	-10 1.1	2.584	3.550	6.0	21.4	7 10	18 1.32	-18 27.8	1.672	2.656	6.9	20.4
7 20	17 58.37	-10 10.8	2.632	3.544	8.4	21.5	7 20	17 53.24	-18 38.6	1.735	2.668	10.8	20.6
7 30	17 53.25	-10 26.9	2.704	3.537	10.7	21.7	7 30	17 47.55	-18 51.5	1.821	2.678	14.2	20.8
<b>470667</b>	2008 <i>SW</i> <sub>194</sub>	6 25.1 267°76		3°7/24.6 18			<b>338046</b>	2002 <i>LP</i> <sub>63</sub>	6 25.1 243°73		1°8/25.1 17		
5 21													

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6 25.1

6 25.1

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>134628</b>	1999 <i>TR</i> <sub>283</sub>		6 25.1 320°35	2°3/25.3	18		<b>43026</b>	1999 <i>VJ</i> <sub>20</sub>		6 25.1 287°87	6°7/24.9	18	
5 21	18 38.56	-18 30.9	1.174	2.060	18.1	19.5	5 21	18 47.58	-39 51.6	1.817	2.654	14.9	18.0
5 31	18 35.79	-18 27.4	1.088	2.035	14.0	19.1	5 31	18 41.95	-40 24.0	1.728	2.636	12.1	17.8
6 10	18 29.80	-18 31.6	1.021	2.010	9.2	18.8	6 10	18 33.26	-40 45.1	1.660	2.618	9.2	17.6
6 20	18 21.21	-18 43.5	0.974	1.986	3.9	18.4	6 20	18 22.32	-40 49.1	1.615	2.600	7.1	17.4
6 30	18 11.27	-19 2.0	0.950	1.962	3.7	18.3	6 30	18 10.41	-40 31.7	1.596	2.581	7.1	17.4
7 10	18 1.68	-19 25.7	0.948	1.940	9.3	18.5	7 10	17 59.12	-39 53.0	1.602	2.563	9.4	17.5
7 20	17 54.04	-19 53.2	0.966	1.919	14.9	18.8	7 20	17 49.81	-38 56.5	1.632	2.545	12.6	17.6
7 30	17 49.65	-20 23.3	1.003	1.899	19.9	19.0	7 30	17 43.51	-37 48.6	1.683	2.527	15.7	17.8
<b>336231</b>	2008 <i>SZ</i> <sub>90</sub>		6 25.1 218°26	0°4/25.1	17		<b>26873</b>	1994 <i>AP</i> <sub>7</sub>		6 25.1 264°29	0°6/25.2	18	
5 21	18 43.04	-22 26.6	2.033	2.885	13.0	21.3	5 21	18 41.19	-21 3.8	2.060	2.913	12.8	19.1
5 31	18 37.65	-22 24.7	1.951	2.880	9.8	21.1	5 31	18 36.29	-21 13.8	1.976	2.906	9.7	18.9
6 10	18 30.12	-22 23.9	1.891	2.875	6.2	20.9	6 10	18 29.32	-21 26.6	1.915	2.899	6.1	18.7
6 20	18 21.10	-22 22.9	1.857	2.870	2.2	20.6	6 20	18 20.89	-21 41.1	1.879	2.892	2.2	18.4
6 30	18 11.51	-22 20.8	1.851	2.864	2.1	20.6	6 30	18 11.86	-21 55.7	1.871	2.885	2.1	18.4
7 10	18 2.37	-22 17.7	1.872	2.858	6.1	20.8	7 10	18 3.22	-22 9.7	1.891	2.877	6.0	18.6
7 20	17 54.60	-22 13.9	1.919	2.852	9.9	21.0	7 20	17 55.86	-22 22.8	1.936	2.870	9.7	18.9
7 30	17 48.93	-22 10.3	1.989	2.846	13.1	21.2	7 30	17 50.51	-22 35.1	2.004	2.863	13.0	19.1
<b>152307</b>	2005 <i>TL</i> <sub>74</sub>		6 25.1 253°46	5°6/25.5	18		<b>512598</b>	2016 <i>TX</i> <sub>4</sub>		6 25.1 153°51	5°1/24.8	17	
5 21	18 38.23	-6 15.9	2.459	3.275	12.1	20.3	5 21	18 45.61	-38 39.0	2.405	3.233	12.0	21.8
5 31	18 33.63	-5 45.5	2.372	3.266	9.9	20.1	5 31	18 39.54	-39 14.7	2.333	3.237	9.6	21.6
6 10	18 27.44	-5 25.0	2.308	3.256	7.6	19.9	6 10	18 31.29	-39 41.8	2.284	3.240	7.2	21.5
6 20	18 20.15	-5 16.1	2.269	3.246	5.9	19.8	6 20	18 21.55	-39 56.5	2.260	3.244	5.4	21.4
6 30	18 12.41	-5 19.9	2.257	3.236	5.8	19.8	6 30	18 11.29	-39 56.2	2.263	3.247	5.4	21.4
7 10	18 4.96	-5 36.2	2.271	3.225	7.4	19.9	7 10	18 1.61	-39 40.9	2.294	3.250	7.2	21.5
7 20	17 58.46	-6 3.8	2.311	3.215	9.8	20.0	7 20	17 53.41	-39 12.8	2.350	3.253	9.7	21.6
7 30	17 53.48	-6 40.6	2.374	3.204	12.2	20.1	7 30	17 47.42	-38 35.5	2.428	3.255	12.0	21.8
<b>433512</b>	2013 <i>WE</i> <sub>55</sub>		6 25.1 225°94	2°5/25.3	17		<b>513159</b>	2003 <i>UC</i> <sub>297</sub>		6 25.1 296°40	3°6/24.2	18	
5 21	18 42.80	-16 10.9	2.003	2.848	13.4	21.6	5 21	18 44.67	-28 20.1	1.780	2.637	14.3	21.3
5 31	18 37.48	-16 7.0	1.917	2.840	10.3	21.3	5 31	18 39.85	-29 30.1	1.677	2.607	11.1	21.0
6 10	18 30.05	-16 9.1	1.853	2.831	6.8	21.1	6 10	18 32.14	-30 43.2	1.595	2.576	7.4	20.7
6 20	18 21.10	-16 17.0	1.815	2.822	3.4	20.9	6 20	18 22.06	-31 54.1	1.539	2.546	4.1	20.4
6 30	18 11.51	-16 30.2	1.804	2.813	3.2	20.8	6 30	18 10.62	-32 56.8	1.510	2.515	4.6	20.4
7 10	18 2.30	-16 47.8	1.821	2.803	6.6	21.0	7 10	17 59.20	-33 46.7	1.507	2.484	8.3	20.5
7 20	17 54.39	-17 9.0	1.863	2.793	10.3	21.2	7 20	17 49.22	-34 22.4	1.528	2.453	12.5	20.7
7 30	17 48.52	-17 33.0	1.929	2.783	13.6	21.4	7 30	17 41.90	-34 45.2	1.571	2.422	16.3	20.9
<b>445477</b>	2010 <i>VZ</i> <sub>115</sub>		6 25.1 279°13	5°3/24.2	18		<b>88248</b>	2001 <i>DR</i> <sub>101</sub>		6 25.1 269°07	7°8/24.3	18	
5 21	18 43.38	-37 49.7	2.404	3.237	11.8	21.2	5 21	18 47.95	-47 10.9	2.475	3.273	12.5	19.1
5 31	18 38.03	-38 41.7	2.321	3.228	9.5	21.0	5 31	18 41.74	-48 1.7	2.391	3.261	10.7	18.9
6 10	18 30.46	-39 27.1	2.260	3.218	7.1	20.8	6 10	18 32.90	-48 40.1	2.330	3.248	9.0	18.8
6 20	18 21.26	-40 1.3	2.225	3.209	5.5	20.7	6 20	18 22.17	-49 0.7	2.292	3.236	8.0	18.7
6 30	18 11.37	-40 21.1	2.217	3.200	5.6	20.7	6 30	18 10.66	-48 59.7	2.280	3.223	8.0	18.7
7 10	18 1.85	-40 25.4	2.236	3.190	7.5	20.8	7 10	17 59.70	-48 36.8	2.293	3.210	9.3	18.8
7 20	17 53.69	-40 15.4	2.279	3.181	10.0	20.9	7 20	17 50.44	-47 54.6	2.330	3.197	11.1	18.9
7 30	17 47.68	-39 54.2	2.346	3.171	12.4	21.1	7 30	17 43.76	-46 57.9	2.388	3.184	13.1	19.0
<b>250900</b>	2005 <i>VY</i> <sub>97</sub>		6 25.1 242°67	7°0/23.8	18		<b>312445</b>	2008 <i>JV</i> <sub>3</sub>		6 25.1 53°98	1°4/24.8	17	
5 21	18 47.61	-45 43.2	2.732	3.530	11.5	21.0	5 21	18 41.58	-24 47.1	2.098	2.951	12.6	20.2
5 31	18 41.27	-46 42.5	2.646	3.518	9.7	20.9	5 31	18 36.48	-25 33.6	2.034	2.965	9.4	20.0
6 10	18 32.52	-47 31.5	2.583	3.504	8.1	20.8	6 10	18 29.37	-26 21.2	1.994	2.978	5.9	19.8
6 20	18 22.00	-48 5.2	2.544	3.491	7.1	20.7	6 20	18 20.89	-27 6.7	1.981	2.992	2.3	19.6
6 30	18 10.68	-48 20.0	2.532	3.477	7.3	20.7	6 30	18 11.93	-27 47.3	1.995	3.006	2.4	19.7
7 10	17 59.75	-48 14.9	2.546	3.462	8.5	20.7	7 10	18 3.47	-28 21.2	2.036	3.020	5.9	19.9
7 20	17 50.25	-47 51.8	2.585	3.448	10.3	20.8	7 20	17 56.37	-28 47.9	2.104	3.035	9.3	20.1
7 30	17 43.06	-47 14.6	2.646	3.433	12.2	20.9	7 30	17 51.30	-29 8.2	2.195	3.049	12.2	20.4
<b>475164</b>	2005 <i>UQ</i> <sub>417</sub>		6 25.1 236°85	2°8/24.6	18		<b>138590</b>	2000 <i>QN</i> <sub>154</sub>		6 25.1 229°84	6°4/25.3	18	
5 21	18 42.09	-30 16.3	2.449	3.293	11.3	21.6	5 21	18 38.82	-1 53.8	2.816	3.607	11.4	20.5
5 31	18 36.82	-30 57.3	2.365	3.287	8.7	21.4	5 31	18 33.91	-1 12.2	2.725	3.595	9.6	20.4
6 10	18 29.58	-31 36.0	2.304	3.281	5.8	21.3	6 10	18 27.57	-0 41.0	2.658	3.582	7.8	20.2
6 20	18 20.95	-32 9.3	2.271	3.275	3.2	21.1	6 20	18 20.25	-0 22.4	2.616	3.569	6.6	20.2
6 30	18 11.73	-32 34.5	2.265	3.269	3.4	21.1	6 30	18 12.52	-0 17.9	2.600	3.555	6.6	20.1
7 10	18 2.84	-32 50.4	2.288	3.263	6.0	21.2	7 10	18 5.02	-0 27.7	2.611	3.541	7.8	20.2
7 20	17 55.13	-32 57.4	2.336	3.257	9.0	21.4	7 20	17 58.34	-0 50.6	2.648	3.526	9.6	20.3
7 30	17 49.32	-32 57.1	2.408	3.250	11.6	21.6	7 30	17 53.01	-1 24.8	2.708	3.511	11.5	20.4
<b>455694</b>	2005 <i>EN</i> <sub>169</sub>		6 25.1 77°16	4°6/23.8	16		<b>33422</b>	1999 <i>CN</i> <sub>135</sub>		6 25.1 302°78	1°1/25.2	18	
5 21	18 52.87	-27 15.5	1.432	2.289	17.2	19.9	5 21	18 40.51	-20 21.5	1.960	2.816	13.2	19.4
5 31	18 45.98	-29 22.2	1.384	2.313	13.0	19.7	5 31	18 35.84	-20 18.4	1.878	2.809	10.0	19.2
6 10	18 35.76	-31 30.0	1.358	2.338	8.6	19.5	6 10	18 29.07	-20 18.2	1.818	2.802	6.3	18.9
6 20	18 23.15	-33 28.6	1.358	2.362	5.0	19.4	6 20	18 20.82	-20 20.1	1.784	2.795	2.4	18.7
6 30	18 9.65	-35 8.6	1.385	2.386	5.6	19.4	6 30	18 11.98	-20 23.4	1.776	2.789	2.3	18.6
7 10	17 57.03	-36 25.1	1.439	2.410	9.3	19.7	7 10	18 3.56	-20 27.7	1.795	2.782	6.3	18.9
7 20	17 46.76	-37 18.3	1.517	2.433	13.1	20.0	7 20	17 56.48	-20 33.0	1.840	2.776	10.0	19.1
7 30	17 39.87	-37 52.4	1.616	2.456	16.4	20.3	7 30	17 51.46	-20 39.6	1.907	2.769	13.4	19.3
<b>24690</b>	1990 <i>QX</i> <sub>5</sub>		6 25.1 257°14	5°2/24.8	18		<b>252891</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>210965</b>	2001 <i>UL</i> <sub>179</sub>		6 25.1 310°03	5°4/24.4	18		<b>254135</b>	2004 <i>PT</i> <sub>43</sub>		6 25.1 303°05	2°1/25.2	18	
5 21	18 43.08	-34 59.2	1.823	2.676	14.2	19.9	5 21	18 41.92	-29 54.9	2.154	3.004	12.4	20.4
5 31	18 38.50	-35 50.0	1.733	2.655	11.3	19.7	5 31	18 36.85	-29 53.7	2.067	2.994	9.5	20.2
6 10	18 31.14	-36 35.5	1.664	2.635	8.1	19.5	6 10	18 29.68	-29 47.8	2.004	2.984	6.1	20.0
6 20	18 21.64	-37 10.1	1.620	2.615	5.7	19.3	6 20	18 21.05	-29 35.3	1.966	2.975	2.9	19.7
6 30	18 11.14	-37 29.4	1.601	2.596	5.9	19.3	6 30	18 11.86	-29 15.2	1.955	2.965	2.8	19.7
7 10	18 1.01	-37 31.5	1.607	2.576	8.7	19.4	7 10	18 3.14	-28 48.0	1.972	2.955	6.1	19.9
7 20	17 52.55	-37 17.7	1.637	2.557	12.1	19.5	7 20	17 55.80	-28 15.6	2.014	2.946	9.6	20.1
7 30	17 46.79	-36 51.8	1.689	2.539	15.4	19.7	7 30	17 50.54	-27 40.6	2.080	2.937	12.7	20.3
<b>357775</b>	2005 <i>SH</i> <sub>194</sub>		6 25.1 265°06	4°3/25.2	18		<b>120122</b>	2003 <i>FE</i> <sub>88</sub>		6 25.1 122°04	0°6/25.1	17	
5 21	18 38.97	-11 28.9	2.336	3.170	12.1	21.2	5 21	18 45.70	-23 31.9	1.958	2.807	13.5	20.1
5 31	18 34.29	-10 54.7	2.250	3.161	9.6	21.0	5 31	18 39.63	-23 58.4	1.894	2.822	10.1	19.9
6 10	18 27.93	-10 27.3	2.187	3.152	6.9	20.8	6 10	18 31.35	-24 26.2	1.852	2.836	6.3	19.7
6 20	18 20.40	-10 8.0	2.149	3.143	4.7	20.7	6 20	18 21.60	-24 52.7	1.837	2.849	2.2	19.4
6 30	18 12.41	-9 57.8	2.139	3.134	4.6	20.6	6 30	18 11.36	-25 15.6	1.849	2.862	2.2	19.5
7 10	18 4.74	-9 57.1	2.156	3.124	6.8	20.8	7 10	18 1.74	-25 33.6	1.890	2.875	6.2	19.8
7 20	17 58.11	-10 5.3	2.198	3.115	9.6	20.9	7 20	17 53.66	-25 47.0	1.956	2.887	9.8	20.0
7 30	17 53.13	-10 21.4	2.264	3.106	12.3	21.1	7 30	17 47.82	-25 56.8	2.045	2.898	13.0	20.2
<b>303860</b>	2005 <i>SQ</i> <sub>240</sub>		6 25.1 154°99	3°2/25.2	18		<b>304006</b>	2006 <i>CR</i> <sub>15</sub>		6 25.1 53°95	3°6/24.9	17	
5 21	18 39.66	-14 22.3	2.483	3.319	11.4	20.8	5 21	18 47.00	-28 55.0	1.160	2.038	18.8	20.0
5 31	18 34.63	-13 51.2	2.406	3.322	8.8	20.6	5 31	18 41.90	-29 34.9	1.112	2.053	14.3	19.8
6 10	18 28.03	-13 24.9	2.353	3.325	6.0	20.4	6 10	18 33.31	-30 11.2	1.083	2.069	9.3	19.6
6 20	18 20.41	-13 4.1	2.327	3.328	3.6	20.3	6 20	18 22.35	-30 38.1	1.075	2.084	4.6	19.4
6 30	18 12.43	-12 49.7	2.329	3.330	3.6	20.3	6 30	18 10.72	-30 51.4	1.091	2.101	4.6	19.4
7 10	18 4.84	-12 42.0	2.358	3.333	5.9	20.4	7 10	18 0.27	-30 50.6	1.131	2.117	9.1	19.7
7 20	17 58.30	-12 40.8	2.414	3.335	8.7	20.6	7 20	17 52.46	-30 38.5	1.192	2.134	13.7	20.0
7 30	17 53.34	-12 45.6	2.494	3.337	11.3	20.8	7 30	17 48.15	-30 19.6	1.272	2.151	17.7	20.3
<b>381990</b>	2010 <i>HS</i> <sub>102</sub>		6 25.1 222°60	1°3/25.1	18		<b>414409</b>	2009 <i>BW</i> <sub>110</sub>		6 25.1 22°01	0°2/25.1	17	
5 21	18 44.75	-20 40.2	2.391	3.229	11.7	21.6	5 21	18 40.70	-21 34.1	1.028	1.921	19.5	19.8
5 31	18 38.65	-20 14.7	2.295	3.217	8.9	21.3	5 31	18 37.34	-22 0.3	0.977	1.928	14.7	19.5
6 10	18 30.66	-19 49.5	2.224	3.205	5.7	21.1	6 10	18 30.59	-22 32.4	0.945	1.937	9.2	19.2
6 20	18 21.35	-19 24.6	2.181	3.191	2.3	20.9	6 20	18 21.45	-23 7.1	0.933	1.947	3.2	18.9
6 30	18 11.51	-19 0.2	2.166	3.177	2.3	20.8	6 30	18 11.53	-23 40.3	0.943	1.958	3.0	18.9
7 10	18 2.03	-18 37.2	2.180	3.163	5.7	21.1	7 10	18 2.62	-24 9.5	0.976	1.970	8.9	19.3
7 20	17 53.72	-18 16.6	2.222	3.147	9.1	21.2	7 20	17 56.17	-24 33.7	1.029	1.983	14.1	19.6
7 30	17 47.23	-17 59.5	2.288	3.131	12.1	21.4	7 30	17 53.13	-24 53.5	1.100	1.997	18.5	20.0
<b>470840</b>	2008 <i>XA</i> <sub>11</sub>		6 25.1 299°36	2°6/25.3	18		<b>522844</b>	2016 <i>NA</i> <sub>85</sub>		6 25.1 293°72	1°5/25.3	16	
5 21	18 41.39	-16 46.2	1.683	2.542	14.9	20.8	5 21	18 41.02	-18 20.6	1.871	2.726	13.8	21.2
5 31	18 37.11	-16 43.9	1.580	2.511	11.6	20.5	5 31	18 36.35	-18 31.7	1.789	2.719	10.5	21.0
6 10	18 30.25	-16 48.7	1.498	2.480	7.7	20.2	6 10	18 29.48	-18 48.6	1.729	2.712	6.7	20.8
6 20	18 21.36	-17 0.6	1.440	2.449	3.7	19.9	6 20	18 21.02	-19 10.1	1.694	2.705	2.8	20.5
6 30	18 11.39	-17 19.0	1.407	2.418	3.5	19.8	6 30	18 11.89	-19 34.8	1.686	2.698	2.5	20.5
7 10	18 1.57	-17 42.8	1.400	2.386	7.7	20.0	7 10	18 3.16	-20 1.2	1.704	2.691	6.5	20.7
7 20	17 53.11	-18 10.8	1.417	2.355	12.3	20.2	7 20	17 55.80	-20 28.2	1.748	2.684	10.4	20.9
7 30	17 47.06	-18 42.1	1.456	2.324	16.4	20.3	7 30	17 50.59	-20 55.3	1.814	2.678	13.9	21.1
<b>504525</b>	2008 <i>RD</i> <sub>86</sub>		6 25.1 177°41	4°6/25.0	18		<b>129695</b>	1998 <i>SY</i> <sub>46</sub>		6 25.1 222°06	0°2/25.1	17	
5 21	18 48.09	-37 22.5	2.340	3.167	12.3	22.1	5 21	18 47.17	-22 32.3	1.631	2.487	15.4	21.3
5 31	18 41.40	-37 46.0	2.263	3.169	9.7	21.9	5 31	18 41.39	-22 37.4	1.548	2.479	11.7	21.0
6 10	18 32.44	-38 0.7	2.209	3.170	7.1	21.7	6 10	18 32.83	-22 44.4	1.486	2.471	7.4	20.8
6 20	18 21.96	-38 3.2	2.181	3.171	5.0	21.6	6 20	18 22.23	-22 51.2	1.449	2.462	2.6	20.4
6 30	18 10.97	-37 51.1	2.181	3.172	5.0	21.6	6 30	18 10.76	-22 56.1	1.438	2.452	2.5	20.4
7 10	18 0.58	-37 24.9	2.208	3.171	7.0	21.7	7 10	17 59.80	-22 58.5	1.454	2.441	7.4	20.7
7 20	17 51.77	-36 47.0	2.262	3.171	9.7	21.9	7 20	17 50.60	-22 58.9	1.495	2.430	11.9	20.9
7 30	17 45.25	-36 1.5	2.339	3.169	12.3	22.1	7 30	17 44.10	-22 58.7	1.557	2.419	15.9	21.1
<b>336294</b>	2008 <i>SB</i> <sub>295</sub>		6 25.1 173°28	4°0/25.3	18		<b>311460</b>	2005 <i>UA</i> <sub>416</sub>		6 25.1 343°47	5°4/25.3	17	
5 21	18 48.12	-35 38.3	2.102	2.937	13.2	20.6	5 21	18 38.40	- 9 21.4	2.096	2.931	13.2	20.3
5 31	18 41.52	-35 43.1	2.025	2.939	10.3	20.4	5 31	18 34.00	- 8 39.4	2.020	2.929	10.6	20.1
6 10	18 32.55	-35 38.8	1.972	2.941	7.2	20.2	6 10	18 27.81	- 8 6.4	1.966	2.927	7.9	20.0
6 20	18 22.00	-35 22.2	1.944	2.942	4.6	20.1	6 20	18 20.40	- 7 44.3	1.937	2.924	5.8	19.8
6 30	18 10.97	-34 51.9	1.943	2.943	4.4	20.1	6 30	18 12.54	- 7 34.6	1.934	2.922	5.7	19.8
7 10	18 0.65	-34 9.0	1.970	2.943	7.0	20.2	7 10	18 5.08	- 7 37.4	1.957	2.921	7.7	19.9
7 20	17 52.05	-33 16.8	2.023	2.944	10.1	20.4	7 20	17 58.79	- 7 51.8	2.004	2.919	10.5	20.1
7 30	17 45.88	-32 19.9	2.100	2.943	13.0	20.6	7 30	17 54.26	- 8 16.0	2.074	2.918	13.2	20.3
<b>271681</b>	2004 <i>RZ</i> <sub>81</sub>		6 25.1 317°22	0°4/25.1	17		<b>342778</b>	2008 <i>WN</i> <sub>107</sub>		6 25.1 13°59	1°2/25.1	17	
5 21	18 41.09	-24 18.0	1.472	2.345	15.8	20.7	5 21	18 42.97	-26 44.1	1.707	2.569	14.6	20.5
5 31	18 37.12	-24 19.5	1.387	2.328	12.1	20.4	5 31	18 37.99	-26 44.5	1.635	2.570	11.0	20.3
6 10	18 30.32	-24 21.3	1.323	2.311	7.6	20.1	6 10	18 30.53	-26 42.5	1.586	2.571	7.0	20.1
6 20	18 21.38	-24 21.5	1.281	2.294	2.7	19.7	6 20	18 21.37	-26 36.1	1.560	2.572	2.7	19.8
6 30	18 11.47	-24 18.5	1.265	2.279	2.6	19.7	6 30	18 11.63	-26 24.1	1.561	2.574	2.6	19.8
7 10	18 2.05	-24 12.0	1.273	2.263	7.8	19.9	7 10	18 2.54	-26 6.9	1.588	2.576	6.8	20.1
7 20	17 54.41	-24 2.9	1.304	2.248	12.6	20.2	7 20	17 55.16	-25 46.2	1.640	2.578	10.9	20.3
7 30	17 49.57	-23 53.1	1.355	2.234	16.8	20.4	7 30	17 50.27	-25 24.4	1.713	2.580	14.4	20.5
<b>428021</b>	2006 <i>BS</i> <sub>219</sub>		6 25.1 17°59	4°0/24.9	16								



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>136916</b>	1998 HW <sub>115</sub>		6 25.1 94°32'	4.2°/25.8	18		<b>185840</b>	2000 CX <sub>75</sub>		6 25.1 225°35'	1.3°/24.9	18	
5 21	18 39.69	-10 23.5	2.254	3.086	12.6	19.9	5 21	18 46.53	-23 29.5	1.833	2.684	14.2	20.0
5 31	18 34.79	-10 13.2	2.186	3.096	9.9	19.7	5 31	18 40.80	-24 24.3	1.748	2.677	10.8	19.7
6 10	18 28.21	-10 12.0	2.141	3.106	7.0	19.5	6 10	18 32.47	-25 23.6	1.685	2.668	6.8	19.5
6 20	18 20.53	-10 20.5	2.122	3.117	4.7	19.4	6 20	18 22.17	-26 23.1	1.648	2.659	2.6	19.2
6 30	18 12.48	-10 38.5	2.130	3.127	4.4	19.4	6 30	18 10.93	-27 18.5	1.638	2.650	2.7	19.2
7 10	18 4.88	-11 5.0	2.165	3.137	6.6	19.6	7 10	18 0.03	-28 6.5	1.657	2.640	7.0	19.4
7 20	17 58.40	-11 38.3	2.226	3.147	9.3	19.7	7 20	17 50.65	-28 45.7	1.700	2.630	11.1	19.6
7 30	17 53.62	-12 16.6	2.310	3.156	11.9	19.9	7 30	17 43.73	-29 16.8	1.767	2.619	14.7	19.9
<b>330063</b>	2005 VB <sub>1</sub>		6 25.1 348°73'	16°5/19.4	18		<b>490791</b>	2010 VE <sub>1</sub>		6 25.1 78°00'	4°1/24.8	17	
5 21	18 47.85	- 6 21.3	0.904	1.772	23.8	19.4	5 21	19 1.03	-28 40.3	1.114	1.974	20.7	22.5
5 31	18 42.83	- 2 11.9	0.852	1.769	20.3	19.2	5 31	18 52.06	-29 48.7	1.087	2.018	15.6	22.4
6 10	18 34.09	+ 1 49.7	0.820	1.766	17.6	19.0	6 10	18 39.33	-30 51.4	1.080	2.061	10.0	22.2
6 20	18 22.71	+ 5 23.2	0.807	1.764	16.5	19.0	6 20	18 24.35	-31 39.9	1.095	2.103	5.0	22.0
6 30	18 10.43	+ 8 9.7	0.816	1.762	17.8	19.0	6 30	18 9.20	-32 8.7	1.136	2.144	5.1	22.2
7 10	17 59.24	+ 9 59.1	0.843	1.762	20.6	19.2	7 10	17 55.96	-32 18.3	1.202	2.183	9.5	22.5
7 20	17 50.71	+10 52.0	0.886	1.761	23.8	19.4	7 20	17 46.02	-32 13.1	1.291	2.221	13.9	22.9
7 30	17 45.89	+10 56.7	0.941	1.762	26.8	19.6	7 30	17 40.07	-31 59.2	1.399	2.258	17.5	23.2
<b>510159</b>	2010 XF <sub>56</sub>		6 25.1 153°81'	1°6/24.7	18		<b>480553</b>	2015 MD <sub>58</sub>		6 25.1 262°09'	1°8/25.2	18	
5 21	18 41.05	-27 18.3	3.108	3.944	9.3	22.0	5 21	18 42.80	-29 32.5	2.363	3.208	11.6	21.3
5 31	18 35.59	-28 0.4	3.030	3.950	7.0	21.8	5 31	18 37.38	-29 31.9	2.271	3.195	8.9	21.1
6 10	18 28.64	-28 41.8	2.977	3.956	4.5	21.6	6 10	18 29.99	-29 27.1	2.202	3.182	5.8	20.9
6 20	18 20.68	-29 20.2	2.953	3.962	2.1	21.5	6 20	18 21.22	-29 16.4	2.160	3.169	2.6	20.7
6 30	18 12.32	-29 53.8	2.959	3.967	2.2	21.5	6 30	18 11.90	-28 58.7	2.146	3.155	2.6	20.6
7 10	18 4.23	-30 21.3	2.994	3.972	4.6	21.7	7 10	18 2.98	-28 34.4	2.159	3.142	5.7	20.8
7 20	17 57.05	-30 42.5	3.056	3.976	7.1	21.8	7 20	17 55.30	-28 5.0	2.199	3.128	9.0	21.0
7 30	17 51.29	-30 58.2	3.144	3.980	9.3	22.0	7 30	17 49.57	-27 32.9	2.263	3.114	12.0	21.2
<b>438006</b>	2003 WZ <sub>3</sub>		6 25.1 239°29'	3°9/24.2	17		<b>482134</b>	2010 RB <sub>154</sub>		6 25.1 336°68'	3°7/25.0	18	
5 21	18 45.35	-31 3.7	2.080	2.926	12.9	21.2	5 21	18 42.66	-33 45.9	2.141	2.987	12.6	21.1
5 31	18 39.77	-32 10.4	1.997	2.919	10.0	21.0	5 31	18 37.51	-34 6.2	2.063	2.984	9.8	20.9
6 10	18 31.74	-33 15.5	1.937	2.912	6.9	20.8	6 10	18 30.16	-34 20.2	2.008	2.982	6.8	20.7
6 20	18 21.87	-34 14.0	1.903	2.904	4.3	20.6	6 20	18 21.28	-34 24.8	1.978	2.979	4.2	20.5
6 30	18 11.14	-35 1.3	1.897	2.897	4.6	20.6	6 30	18 11.86	-34 17.9	1.976	2.977	4.2	20.5
7 10	18 0.74	-35 34.9	1.918	2.889	7.4	20.8	7 10	18 2.97	-33 59.6	1.999	2.974	6.8	20.7
7 20	17 51.78	-35 54.9	1.965	2.881	10.6	20.9	7 20	17 55.55	-33 31.8	2.049	2.972	9.8	20.9
7 30	17 45.15	-36 3.4	2.034	2.873	13.6	21.1	7 30	17 50.34	-32 57.7	2.121	2.970	12.7	21.0
<b>73378</b>	2002 LJ <sub>6</sub>		6 25.1 309°40'	0°2/25.2	18		<b>73398</b>	2002 LN <sub>19</sub>		6 25.2 55°33'	0°9/25.0	18	
5 21	18 41.67	-19 17.4	1.625	2.488	15.1	18.9	5 21	18 44.95	-23 12.7	1.319	2.192	17.3	18.9
5 31	18 37.45	-20 8.0	1.532	2.467	11.6	18.6	5 31	18 40.02	-23 47.1	1.261	2.201	13.1	18.7
6 10	18 30.55	-21 8.5	1.461	2.447	7.3	18.3	6 10	18 32.07	-24 24.8	1.224	2.212	8.2	18.4
6 20	18 21.54	-22 15.8	1.414	2.427	2.6	18.0	6 20	18 22.00	-25 1.9	1.209	2.222	2.9	18.1
6 30	18 11.43	-23 25.7	1.394	2.407	2.4	17.9	6 30	18 11.21	-25 34.5	1.219	2.233	2.8	18.2
7 10	18 1.53	-24 33.8	1.399	2.388	7.4	18.2	7 10	18 1.28	-26 0.6	1.254	2.244	8.0	18.5
7 20	17 53.11	-25 36.9	1.429	2.369	12.0	18.4	7 20	17 53.50	-26 19.8	1.312	2.255	12.6	18.8
7 30	17 47.23	-26 33.6	1.481	2.351	16.1	18.6	7 30	17 48.77	-26 33.7	1.390	2.266	16.6	19.1
<b>89623</b>	2001 XW <sub>196</sub>		6 25.1 18°57'	3°0/25.6	18		<b>433505</b>	2013 WK <sub>47</sub>		6 25.2 163°90'	2°9/24.6	18	
5 21	18 44.42	-33 31.2	1.781	2.634	14.4	18.4	5 21	18 46.65	-29 48.9	2.319	3.158	12.0	21.7
5 31	18 38.94	-33 7.3	1.713	2.640	11.1	18.2	5 31	18 40.33	-30 40.7	2.244	3.164	9.2	21.6
6 10	18 31.02	-32 33.7	1.667	2.645	7.4	18.0	6 10	18 31.86	-31 30.4	2.193	3.169	6.1	21.4
6 20	18 21.52	-31 48.6	1.646	2.652	3.9	17.8	6 20	18 21.88	-32 14.0	2.169	3.174	3.4	21.2
6 30	18 11.65	-30 52.3	1.651	2.659	3.6	17.8	6 30	18 11.29	-32 48.3	2.174	3.177	3.5	21.2
7 10	18 2.63	-29 47.5	1.683	2.667	6.9	18.0	7 10	18 1.12	-33 11.8	2.207	3.181	6.3	21.4
7 20	17 55.45	-28 38.5	1.740	2.675	10.6	18.2	7 20	17 52.31	-33 24.8	2.267	3.184	9.4	21.6
7 30	17 50.80	-27 29.8	1.820	2.684	13.8	18.4	7 30	17 45.59	-33 29.4	2.350	3.186	12.1	21.8
<b>329356</b>	2001 SO <sub>259</sub>		6 25.1 310°32'	1°2/25.0	17		<b>109465</b>	2001 QQ <sub>215</sub>		6 25.2 280°49'	1°7/25.3	18	
5 21	18 41.67	-24 29.2	1.404	2.279	16.4	21.1	5 21	18 42.68	-19 15.1	1.630	2.491	15.2	20.0
5 31	18 37.87	-24 51.9	1.315	2.257	12.5	20.8	5 31	18 37.96	-19 12.3	1.547	2.481	11.6	19.7
6 10	18 31.01	-25 17.1	1.246	2.234	8.0	20.5	6 10	18 30.68	-19 14.1	1.486	2.471	7.4	19.5
6 20	18 21.74	-25 41.7	1.200	2.212	3.0	20.1	6 20	18 21.54	-19 19.8	1.449	2.461	3.1	19.2
6 30	18 11.26	-26 2.3	1.177	2.191	3.0	20.1	6 30	18 11.59	-19 28.5	1.438	2.451	2.9	19.1
7 10	18 1.14	-26 17.1	1.180	2.170	8.3	20.3	7 10	18 2.11	-19 39.4	1.453	2.441	7.3	19.4
7 20	17 52.85	-26 25.7	1.204	2.149	13.3	20.5	7 20	17 54.23	-19 52.1	1.492	2.431	11.7	19.6
7 30	17 47.56	-26 29.9	1.249	2.129	17.8	20.8	7 30	17 48.85	-20 6.6	1.552	2.421	15.6	19.8
<b>163376</b>	2002 PM <sub>54</sub>		6 25.1 288°85'	5°1/25.6	18		<b>386344</b>	2008 SL <sub>271</sub>		6 25.2 264°96'	2°0/25.1	16	
5 21	18 40.22	- 9 48.5	1.965	2.802	13.9	19.5	5 21	18 42.78	-19 21.7	1.911	2.763	13.7	21.0
5 31	18 35.75	- 9 32.5	1.866	2.778	11.2	19.3	5 31	18 37.66	-18 54.3	1.822	2.750	10.5	20.8
6 10	18 29.16	- 9 26.9	1.789	2.754	8.2	19.0	6 10	18 30.32	-18 28.7	1.755	2.737	6.8	20.5
6 20	18 20.99	- 9 33.3	1.735	2.729	5.6	18.8	6 20	18 21.38	-18 5.4	1.713	2.723	3.0	20.3
6 30	18 12.03	- 9 52.4	1.708	2.705	5.4	18.8	6 30	18 11.78	-17 44.8	1.699	2.709	3.0	20.2
7 10	18 3.28	-10 23.5	1.708	2.680	8.0	18.9	7 10	18 2.58	-17 27.7	1.711	2.695	6.8	20.4
7 20	17 55.67	-11 4.9	1.732	2.655	11.3	19.0	7 20	17 54.77	-17 15.0	1.748	2.681	10.7	20.6
7 30	17 50.03	-11 54.1	1.778	2.631	14.6	19.2	7 30	17 49.11	-17 7.3	1.808	2.666	14.2	20.8
<b>353150</b>	2009 HH <sub>39</sub>		6 25.1 346°57'	3°9/25.7	17		<b>226707</b>	2004 OO <sub>2</sub>		6 25.2 5°26'	1°7/25.2	17	

EPHEMERIDES

6 25.2

6 25.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>68687</b>	2002 CV <sub>145</sub>		6 25.2	12°63	3°6/25.3	17							
		h m	°		°	m			°			°	m
5 21	18 39.97	-16 12.2	1.421	2.290	16.5	19.2	5 21	19 0.88	-24 8.7	1.582	2.417	16.8	22.1
5 31	18 35.97	-15 47.5	1.357	2.293	12.7	19.0	5 31	18 50.80	-23 22.6	1.535	2.455	12.6	21.9
6 10	18 29.40	-15 30.0	1.313	2.296	8.4	18.8	6 10	18 38.08	-22 33.6	1.512	2.492	7.8	21.7
6 20	18 21.07	-15 20.6	1.292	2.299	4.5	18.6	6 20	18 23.90	-21 41.7	1.516	2.527	2.8	21.5
6 30	18 12.12	-15 19.8	1.295	2.304	4.3	18.6	6 30	18 9.73	-20 48.5	1.548	2.561	2.6	21.6
7 10	18 3.86	-15 27.1	1.323	2.309	8.1	18.8	7 10	17 57.00	-19 57.1	1.610	2.593	7.3	21.9
7 20	17 57.36	-15 41.7	1.374	2.315	12.3	19.0	7 20	17 46.72	-19 10.7	1.698	2.623	11.5	22.2
7 30	17 53.44	-16 2.1	1.444	2.322	16.0	19.3	7 30	17 39.48	-18 31.9	1.810	2.651	14.9	22.5
<b>50865</b>	2000 GU <sub>2</sub>		6 25.2	292°43	0°4/25.2	18							
5 21	18 43.26	-20 37.6	1.559	2.423	15.6	18.5	5 21	18 46.08	-18 15.4	1.740	2.590	14.9	19.4
5 31	18 38.55	-21 5.2	1.481	2.416	11.9	18.3	5 31	18 40.57	-18 8.2	1.641	2.568	11.5	19.1
6 10	18 31.13	-21 38.7	1.424	2.410	7.5	18.0	6 10	18 32.42	-18 5.7	1.564	2.545	7.5	18.8
6 20	18 21.73	-22 15.4	1.391	2.404	2.6	17.7	6 20	18 22.22	-18 7.6	1.512	2.522	3.3	18.5
6 30	18 11.45	-22 52.5	1.384	2.398	2.4	17.7	6 30	18 11.01	-18 13.1	1.486	2.497	3.2	18.5
7 10	18 1.66	-23 27.4	1.403	2.392	7.4	18.0	7 10	18 0.05	-18 21.8	1.487	2.472	7.5	18.7
7 20	17 53.56	-23 58.8	1.445	2.386	11.9	18.2	7 20	17 50.55	-18 33.3	1.513	2.446	12.0	18.9
7 30	17 48.12	-24 26.8	1.509	2.380	15.8	18.4	7 30	17 43.52	-18 47.7	1.560	2.419	16.0	19.1
<b>20756</b>	2000 BC <sub>19</sub>		6 25.2	259°61	1°1/25.3	18							
5 21	18 41.83	-19 56.0	1.980	2.833	13.2	19.2	5 21	18 43.23	-30 32.8	1.265	2.143	17.6	17.8
5 31	18 36.90	-19 59.3	1.895	2.824	10.1	19.0	5 31	18 39.23	-30 37.9	1.192	2.133	13.6	17.5
6 10	18 29.82	-20 6.2	1.833	2.816	6.4	18.8	6 10	18 31.88	-30 36.2	1.137	2.123	9.0	17.2
6 20	18 21.21	-20 15.7	1.795	2.807	2.5	18.5	6 20	18 22.06	-30 23.9	1.105	2.114	4.4	16.9
6 30	18 11.96	-20 26.7	1.786	2.798	2.3	18.5	6 30	18 11.26	-29 58.6	1.096	2.106	4.3	16.9
7 10	18 3.11	-20 38.5	1.803	2.789	6.3	18.7	7 10	18 1.25	-29 21.2	1.110	2.099	8.9	17.1
7 20	17 55.57	-20 50.7	1.845	2.780	10.1	18.9	7 20	17 53.54	-28 35.8	1.146	2.092	13.8	17.4
7 30	17 50.12	-21 3.5	1.911	2.771	13.4	19.1	7 30	17 49.17	-27 47.5	1.201	2.086	18.1	17.6
<b>106244</b>	2000 UX <sub>48</sub>		6 25.2	299°28	3°7/24.5	18							
5 21	18 42.66	-31 36.1	2.164	3.012	12.4	19.2	5 21	19 3.53	-48 50.2	1.213	2.037	21.5	20.5
5 31	18 37.60	-32 27.0	2.083	3.006	9.6	19.0	5 31	18 55.57	-49 27.8	1.154	2.042	18.4	20.3
6 10	18 30.31	-33 15.0	2.025	3.000	6.6	18.8	6 10	18 42.39	-49 39.1	1.111	2.045	15.2	20.1
6 20	18 21.40	-33 56.0	1.993	2.995	4.0	18.6	6 20	18 25.65	-49 12.3	1.088	2.049	12.8	20.0
6 30	18 11.79	-34 26.7	1.988	2.989	4.2	18.6	6 30	18 8.11	-48 1.0	1.087	2.052	12.3	20.0
7 10	18 2.56	-34 45.3	2.011	2.984	6.9	18.8	7 10	17 52.73	-46 9.9	1.108	2.055	14.1	20.1
7 20	17 54.69	-34 52.5	2.058	2.978	10.0	19.0	7 20	17 41.55	-43 52.2	1.150	2.057	17.1	20.3
7 30	17 48.99	-34 50.3	2.129	2.973	12.9	19.2	7 30	17 35.45	-41 23.7	1.211	2.059	20.4	20.5
<b>81900</b>	2000 LF <sub>35</sub>		6 25.2	284°01	6°5/25.7	18							
5 21	18 39.28	-5 55.4	2.040	2.864	14.0	19.4	5 21	18 42.79	-27 53.2	2.326	3.172	11.7	19.1
5 31	18 34.77	-5 22.6	1.961	2.859	11.4	19.2	5 31	18 37.44	-28 34.4	2.246	3.171	8.9	18.9
6 10	18 28.38	-5 2.1	1.904	2.854	8.8	19.1	6 10	18 30.09	-29 14.7	2.189	3.169	5.8	18.7
6 20	18 20.69	-4 56.0	1.870	2.849	6.8	18.9	6 20	18 21.32	-29 51.1	2.160	3.168	2.8	18.5
6 30	18 12.48	-5 5.4	1.863	2.844	6.7	18.9	6 30	18 11.96	-30 20.9	2.158	3.166	2.9	18.5
7 10	18 4.65	-5 29.8	1.881	2.839	8.5	19.0	7 10	18 2.98	-30 42.6	2.184	3.164	5.9	18.7
7 20	17 57.98	-6 7.4	1.924	2.834	11.1	19.2	7 20	17 55.22	-30 56.4	2.237	3.162	9.1	18.9
7 30	17 53.15	-6 55.3	1.988	2.829	13.8	19.3	7 30	17 49.40	-31 3.6	2.313	3.160	11.9	19.0
<b>36037</b>	Linenschmidt		6 25.2	269°75	4°3/25.8	18							
5 21	18 39.05	-10 2.5	2.278	3.109	12.5	20.0	5 21	18 43.23	-38 30.7	1.755	2.604	14.8	20.1
5 31	18 34.47	-9 55.0	2.192	3.101	9.9	19.8	5 31	18 38.56	-39 1.5	1.683	2.600	11.9	19.9
6 10	18 28.15	-9 56.9	2.129	3.093	7.1	19.6	6 10	18 31.11	-39 21.5	1.632	2.596	8.9	19.7
6 20	18 20.61	-10 8.9	2.091	3.085	4.8	19.5	6 20	18 21.72	-39 25.8	1.604	2.593	6.6	19.6
6 30	18 12.56	-10 31.1	2.081	3.077	4.5	19.4	6 30	18 11.62	-39 11.4	1.600	2.590	6.5	19.6
7 10	18 4.82	-11 2.4	2.097	3.069	6.7	19.5	7 10	18 2.26	-38 38.7	1.622	2.588	8.8	19.7
7 20	17 58.12	-11 41.1	2.139	3.061	9.6	19.7	7 20	17 54.81	-37 51.1	1.667	2.587	11.9	19.9
7 30	17 53.09	-12 25.4	2.205	3.053	12.4	19.9	7 30	17 50.15	-36 54.0	1.733	2.587	14.9	20.1
<b>119443</b>	2001 TF <sub>147</sub>		6 25.2	116°14	7°5/25.9	18							
5 21	18 42.04	-4 46.4	1.783	2.607	15.7	19.9	5 21	18 42.27	-24 31.7	2.185	3.035	12.2	20.7
5 31	18 36.94	-4 5.7	1.719	2.614	12.9	19.7	5 31	18 37.15	-24 56.4	2.097	3.026	9.3	20.5
6 10	18 29.76	-3 39.7	1.675	2.622	10.0	19.6	6 10	18 29.97	-25 22.1	2.033	3.016	5.8	20.3
6 20	18 21.16	-3 31.2	1.655	2.629	7.9	19.5	6 20	18 21.30	-25 46.6	1.995	3.007	2.2	20.0
6 30	18 12.09	-3 41.4	1.659	2.636	7.7	19.5	6 30	18 11.98	-26 7.7	1.984	2.997	2.1	20.0
7 10	18 3.57	-4 9.3	1.689	2.643	9.5	19.6	7 10	18 3.00	-26 24.3	2.002	2.987	5.9	20.2
7 20	17 56.48	-4 52.2	1.742	2.650	12.2	19.8	7 20	17 55.27	-26 36.3	2.045	2.977	9.4	20.4
7 30	17 51.50	-5 46.4	1.817	2.656	14.9	20.0	7 30	17 49.51	-26 44.4	2.112	2.966	12.6	20.6
<b>113097</b>	2002 RK <sub>74</sub>		6 25.2	302°31	0°5/25.1	18							
5 21	18 42.80	-23 43.9	1.395	2.269	16.5	20.4	5 21	18 46.72	-27 37.5	1.694	2.550	14.9	21.2
5 31	18 38.82	-23 54.6	1.300	2.241	12.7	20.1	5 31	18 40.89	-27 52.8	1.624	2.555	11.3	21.0
6 10	18 31.71	-24 7.5	1.225	2.213	8.1	19.7	6 10	18 32.43	-28 5.7	1.577	2.560	7.2	20.8
6 20	18 22.07	-24 20.1	1.173	2.186	2.9	19.3	6 20	18 22.15	-28 12.8	1.554	2.565	3.1	20.5
6 30	18 11.09	-24 29.8	1.145	2.158	2.8	19.3	6 30	18 11.25	-28 12.3	1.558	2.569	3.0	20.5
7 10	18 0.39	-24 35.4	1.141	2.131	8.4	19.5	7 10	18 1.05	-28 3.8	1.589	2.574	7.1	20.8
7 20	17 51.48	-24 36.9	1.159	2.104	13.7	19.7	7 20	17 52.69	-27 49.1	1.643	2.578	11.2	21.0
7 30	17 45.63	-24 36.3	1.197	2.078	18.4	19.9	7 30	17 46.98	-27 31.0	1.720	2.581	14.7	21.3
<b>245423</b>	2005 JN <sub>72</sub>		6 25.2	283°61	0°1/25.2	18							
5 21	18 41.49	-22 48.6	1.993	2.848	13.0	21.1	5 21	18 47.14	-40 24.4	1.999	2.831	13.9	18.8
5 31	18 36.71	-23 2.6	1.906	2.837	9.9	20.9	5 31	18 41.34	-41 14.6	1.926			

EPHEMERIDES

6 25.2

6 25.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>368310</b>	2002 PA <sub>67</sub>		6 25.2 321.43	0.4/25.2	18		<b>146907</b>	2002 CH <sub>126</sub>		6 25.2 178.71	3.3/25.1	18	
5 21	18 38.71	-22 46.8	1.145	2.035	18.2	20.3	5 21	18 43.87	-34 10.0	2.582	3.417	11.1	20.4
5 31	18 36.25	-22 43.5	1.054	2.004	14.0	19.9	5 31	18 38.05	-34 24.7	2.503	3.418	8.6	20.2
6 10	18 30.38	-22 42.4	0.981	1.973	9.0	19.5	6 10	18 30.36	-34 33.3	2.448	3.418	5.9	20.1
6 20	18 21.70	-22 42.1	0.929	1.943	3.2	19.1	6 20	18 21.41	-34 33.3	2.419	3.419	3.7	19.9
6 30	18 11.51	-22 41.0	0.900	1.914	3.1	19.0	6 30	18 12.03	-34 23.2	2.419	3.419	3.7	19.9
7 10	18 1.58	-22 38.5	0.891	1.886	9.4	19.2	7 10	18 3.13	-34 3.2	2.446	3.418	5.9	20.1
7 20	17 53.68	-22 35.2	0.903	1.859	15.3	19.5	7 20	17 55.49	-33 35.0	2.500	3.418	8.6	20.2
7 30	17 49.22	-22 32.8	0.933	1.834	20.6	19.7	7 30	17 49.75	-33 1.2	2.578	3.417	11.0	20.4
<b>20186</b>	1997 AD <sub>8</sub>		6 25.2 284.43	0.4/25.2	18		<b>504951</b>	2011 EC <sub>84</sub>		6 25.2 210.86	0.4/25.1	17	
5 21	18 42.61	-22 40.6	1.774	2.634	14.2	19.6	5 21	18 45.43	-23 38.3	2.006	2.855	13.2	22.3
5 31	18 37.79	-22 36.4	1.688	2.622	10.8	19.3	5 31	18 39.65	-23 52.6	1.921	2.849	10.0	22.0
6 10	18 30.54	-22 33.1	1.625	2.610	6.8	19.0	6 10	18 31.60	-24 7.9	1.859	2.843	6.3	21.8
6 20	18 21.54	-22 29.7	1.586	2.598	2.4	18.7	6 20	18 21.91	-24 22.2	1.823	2.836	2.2	21.5
6 30	18 11.80	-22 25.2	1.573	2.587	2.3	18.7	6 30	18 11.54	-24 33.7	1.815	2.828	2.1	21.5
7 10	18 2.51	-22 19.5	1.587	2.575	6.8	19.0	7 10	18 1.59	-24 41.4	1.835	2.820	6.3	21.8
7 20	17 54.73	-22 13.2	1.625	2.563	11.0	19.2	7 20	17 53.07	-24 45.6	1.880	2.812	10.1	22.0
7 30	17 49.31	-22 7.6	1.685	2.552	14.7	19.4	7 30	17 46.75	-24 47.6	1.948	2.803	13.5	22.2
<b>315796</b>	2008 GA <sub>7</sub>		6 25.2 39.62	5.2/24.4	16		<b>190240</b>	2007 DP <sub>52</sub>		6 25.2 4.80	8.3/25.8	17	
5 21	18 43.62	-35 29.5	2.001	2.847	13.4	20.8	5 21	18 39.50	-5 58.5	1.452	2.298	17.5	19.9
5 31	18 38.45	-36 28.0	1.939	2.857	10.5	20.6	5 31	18 35.55	-5 9.1	1.387	2.297	14.4	19.7
6 10	18 30.87	-37 19.9	1.900	2.867	7.6	20.4	6 10	18 29.16	-4 35.6	1.341	2.298	11.1	19.5
6 20	18 21.62	-38 0.2	1.886	2.877	5.5	20.3	6 20	18 21.07	-4 21.8	1.317	2.298	8.7	19.4
6 30	18 11.76	-38 25.4	1.898	2.888	5.6	20.3	6 30	18 12.35	-4 29.8	1.317	2.300	8.5	19.4
7 10	18 2.51	-38 34.4	1.936	2.899	7.8	20.5	7 10	18 4.22	-4 58.8	1.339	2.302	10.7	19.5
7 20	17 54.90	-38 29.0	1.998	2.910	10.6	20.7	7 20	17 57.71	-5 45.6	1.383	2.304	13.8	19.7
7 30	17 49.70	-38 12.5	2.082	2.922	13.3	20.9	7 30	17 53.64	-6 45.4	1.448	2.307	17.0	19.9
<b>225291</b>	1995 DV <sub>6</sub>		6 25.2 68.98	3.1/24.9	17		<b>78952</b>	2003 SG <sub>214</sub>		6 25.2 278.63	3.4/25.4	17	
5 21	18 45.49	-30 0.6	1.640	2.499	15.2	20.7	5 21	18 41.01	-14 45.7	1.898	2.747	13.9	20.4
5 31	18 40.15	-30 26.8	1.571	2.502	11.6	20.5	5 31	18 36.27	-14 25.9	1.819	2.743	10.8	20.2
6 10	18 32.06	-30 48.9	1.524	2.505	7.6	20.3	6 10	18 29.44	-14 12.8	1.763	2.739	7.3	19.9
6 20	18 22.06	-31 3.0	1.501	2.508	3.9	20.0	6 20	18 21.15	-14 6.9	1.731	2.735	4.1	19.7
6 30	18 11.37	-31 6.2	1.503	2.511	3.9	20.0	6 30	18 12.28	-14 8.7	1.725	2.730	4.0	19.7
7 10	18 1.40	-30 58.3	1.532	2.514	7.6	20.3	7 10	18 3.86	-14 17.7	1.746	2.726	7.1	19.9
7 20	17 53.31	-30 41.1	1.584	2.518	11.5	20.5	7 20	17 56.77	-14 33.2	1.792	2.722	10.6	20.1
7 30	17 47.98	-30 18.2	1.658	2.521	15.0	20.7	7 30	17 51.74	-14 54.1	1.860	2.718	13.8	20.3
<b>481185</b>	2005 UG <sub>327</sub>		6 25.2 250.09	1.7/25.2	18		<b>23609</b>	1996 AU <sub>6</sub>		6 25.2 221.75	0.9/25.1	18	
5 21	18 40.47	-19 9.9	2.503	3.345	11.1	21.7	5 21	18 43.32	-24 51.1	2.023	2.875	13.0	19.5
5 31	18 35.42	-18 44.8	2.412	3.335	8.5	21.5	5 31	18 38.05	-25 10.3	1.942	2.872	9.8	19.3
6 10	18 28.71	-18 21.4	2.345	3.325	5.5	21.3	6 10	18 30.58	-25 29.9	1.884	2.868	6.2	19.0
6 20	18 20.84	-17 59.7	2.305	3.314	2.5	21.1	6 20	18 21.56	-25 47.6	1.851	2.864	2.3	18.8
6 30	18 12.53	-17 40.4	2.293	3.303	2.4	21.1	6 30	18 11.90	-26 1.4	1.846	2.859	2.2	18.8
7 10	18 4.55	-17 23.8	2.310	3.292	5.4	21.2	7 10	18 2.68	-26 10.4	1.869	2.855	6.2	19.0
7 20	17 57.60	-17 10.6	2.353	3.281	8.5	21.4	7 20	17 54.86	-26 14.9	1.917	2.850	9.9	19.2
7 30	17 52.28	-17 1.2	2.421	3.270	11.3	21.6	7 30	17 49.18	-26 16.2	1.988	2.845	13.1	19.4
<b>166024</b>	2002 AZ <sub>176</sub>		6 25.2 351.04	1.8/25.4	17		<b>480478</b>	2015 LG <sub>22</sub>		6 25.2 348.83	3.7/26.2	16	
5 21	18 44.00	-18 13.2	1.360	2.228	17.2	20.2	5 21	18 40.28	-11 6.0	1.663	2.513	15.5	20.1
5 31	18 39.31	-18 24.4	1.291	2.228	13.1	20.0	5 31	18 36.06	-11 39.5	1.585	2.508	12.1	19.8
6 10	18 31.71	-18 43.4	1.242	2.227	8.4	19.7	6 10	18 29.50	-12 28.0	1.529	2.504	8.3	19.6
6 20	18 22.00	-19 8.8	1.215	2.227	3.5	19.4	6 20	18 21.23	-13 30.5	1.497	2.500	4.7	19.4
6 30	18 11.44	-19 38.3	1.214	2.227	3.1	19.4	6 30	18 12.22	-14 44.1	1.490	2.497	4.1	19.3
7 10	18 1.52	-20 9.7	1.237	2.226	8.1	19.7	7 10	18 3.60	-16 4.9	1.510	2.495	7.4	19.5
7 20	17 53.55	-20 41.4	1.283	2.226	12.8	19.9	7 20	17 56.42	-17 28.3	1.555	2.493	11.4	19.7
7 30	17 48.49	-21 12.8	1.349	2.226	17.0	20.2	7 30	17 51.52	-18 50.6	1.622	2.492	14.9	20.0
<b>338843</b>	2003 XH <sub>2</sub>		6 25.2 197.20	0.1/25.2	18		<b>95424</b>	2002 CY <sub>236</sub>		6 25.2 163.55	6.4/26.3	18	
5 21	18 43.00	-21 55.9	2.479	3.320	11.3	21.7	5 21	18 38.43	-0 56.2	2.729	3.518	11.7	19.7
5 31	18 37.40	-22 18.7	2.393	3.317	8.5	21.5	5 31	18 33.66	-0 33.1	2.654	3.522	9.9	19.6
6 10	18 29.99	-22 43.7	2.332	3.314	5.3	21.3	6 10	18 27.51	-0 22.3	2.602	3.525	8.0	19.5
6 20	18 21.30	-23 9.3	2.298	3.310	1.9	21.0	6 20	18 20.43	-0 25.5	2.574	3.527	6.7	19.4
6 30	18 12.09	-23 33.7	2.292	3.305	1.7	21.0	6 30	18 13.02	-0 43.3	2.572	3.530	6.5	19.4
7 10	18 3.20	-23 55.7	2.315	3.300	5.2	21.2	7 10	18 5.91	-1 15.0	2.598	3.532	7.6	19.5
7 20	17 55.41	-24 15.0	2.366	3.295	8.5	21.4	7 20	17 59.69	-1 58.8	2.648	3.534	9.3	19.6
7 30	17 49.35	-24 31.8	2.441	3.289	11.3	21.6	7 30	17 54.84	-2 51.9	2.723	3.535	11.2	19.7
<b>406801</b>	2008 UX <sub>28</sub>		6 25.2 283.45	3.3/25.3	17		<b>344611</b>	2003 EC <sub>57</sub>		6 25.2 128.36	4.3/26.2	18	
5 21	18 43.96	-17 30.1	1.292	2.163	17.8	21.7	5 21	18 40.59	-6 50.8	2.813	3.620	11.0	21.4
5 31	18 39.60	-17 6.7	1.210	2.147	13.8	21.4	5 31	18 35.17	-6 52.7	2.745	3.636	8.8	21.3
6 10	18 32.10	-16 49.4	1.148	2.132	9.1	21.1	6 10	18 28.39	-7 4.4	2.700	3.651	6.5	21.2
6 20	18 22.20	-16 38.7	1.107	2.116	4.5	20.7	6 20	18 20.72	-7 25.9	2.682	3.666	4.7	21.1
6 30	18 11.19	-16 35.1	1.090	2.101	4.3	20.7	6 30	18 12.77	-7 56.8	2.693	3.680	4.4	21.1
7 10	18 0.65	-16 38.6	1.097	2.085	9.1	20.9	7 10	18 5.18	-8 35.9	2.732	3.694	5.9	21.2
7 20	17 52.07	-16 48.9	1.127	2.070	14.2	21.1	7 20	17 58.51	-9 21.4	2.799	3.707	8.1	21.3
7 30	17 46.55	-17 5.7	1.175	2.054	18.8	21.4	7 30	17 53.23	-10 11.3	2.890	3.720	10.2	21.5
<b>368375</b>	2002 RG <sub>71</sub>		6 25.2 304.78	3.4/25.1	17		<b>300159</b>	2006 VW <sub>121</sub>		6 25.2 189.06	4.3/24.6	18	
5 21	18 41.82												

EPHEMERIDES

6 25.2

6 25.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>273893</b>	2007 <i>HL</i> <sub>33</sub>		6 25.2 120°01	4°8/24.4	18		<b>69599</b>	1998 <i>FH</i> <sub>19</sub>		6 25.2 41°69	3°7/25.3	18	
5 21	18 48.00	-33 34.5	1.900	2.744	14.0	20.4	5 21	18 46.66	-31 20.2	1.163	2.040	18.8	18.4
5 31	18 41.87	-34 38.5	1.836	2.754	10.9	20.2	5 31	18 41.67	-31 29.1	1.114	2.054	14.4	18.2
6 10	18 33.11	-35 37.2	1.794	2.764	7.7	20.0	6 10	18 33.23	-31 29.9	1.085	2.069	9.5	18.0
6 20	18 22.47	-36 25.2	1.778	2.774	5.2	19.9	6 20	18 22.53	-31 18.4	1.076	2.085	4.8	17.8
6 30	18 11.14	-36 57.8	1.788	2.783	5.4	19.9	6 30	18 11.27	-30 52.8	1.092	2.101	4.6	17.8
7 10	18 0.43	-37 13.9	1.826	2.792	8.0	20.1	7 10	18 1.28	-30 15.2	1.130	2.118	8.9	18.1
7 20	17 51.50	-37 14.9	1.887	2.801	11.1	20.3	7 20	17 53.94	-29 30.2	1.190	2.135	13.5	18.4
7 30	17 45.21	-37 4.4	1.971	2.810	14.0	20.5	7 30	17 50.04	-28 43.3	1.270	2.153	17.5	18.7
<b>521283</b>	2015 <i>JS</i> <sub>14</sub>		6 25.2 50°14	0°3/25.3	17		<b>433061</b>	2012 <i>TL</i> <sub>18</sub>		6 25.2 306°28	6°0/24.5	16	
5 21	18 43.15	-19 16.9	1.708	2.565	14.8	21.0	5 21	18 45.47	-36 5.3	1.750	2.600	14.8	21.1
5 31	18 38.12	-20 8.8	1.644	2.576	11.1	20.8	5 31	18 40.42	-37 0.8	1.672	2.592	11.8	20.9
6 10	18 30.71	-21 7.8	1.602	2.586	7.0	20.6	6 10	18 32.46	-37 49.4	1.616	2.584	8.6	20.7
6 20	18 21.63	-22 10.4	1.585	2.597	2.4	20.3	6 20	18 22.34	-38 25.1	1.584	2.576	6.3	20.5
6 30	18 11.92	-23 12.7	1.595	2.608	2.2	20.3	6 30	18 11.29	-38 43.2	1.577	2.568	6.4	20.5
7 10	18 2.77	-24 11.2	1.632	2.620	6.6	20.7	7 10	18 0.79	-38 42.1	1.595	2.561	9.0	20.7
7 20	17 55.21	-25 3.9	1.694	2.631	10.7	20.9	7 20	17 52.17	-38 24.1	1.637	2.554	12.3	20.8
7 30	17 50.03	-25 50.1	1.778	2.643	14.1	21.2	7 30	17 46.40	-37 53.6	1.699	2.547	15.4	21.0
<b>168804</b>	2000 <i>SF</i> <sub>134</sub>		6 25.2 216°28	2°8/25.2	18		<b>397688</b>	2008 <i>CS</i> <sub>33</sub>		6 25.2 103°15	0°5/25.3	17	
5 21	18 46.17	-17 40.4	1.789	2.637	14.6	20.6	5 21	18 41.53	-21 11.5	2.343	3.189	11.7	21.8
5 31	18 40.34	-17 12.0	1.705	2.630	11.3	20.4	5 31	18 36.24	-21 20.0	2.276	3.202	8.8	21.6
6 10	18 32.10	-16 47.1	1.643	2.622	7.4	20.1	6 10	18 29.23	-21 30.6	2.232	3.214	5.5	21.4
6 20	18 22.14	-16 26.3	1.606	2.613	3.7	19.9	6 20	18 21.07	-21 42.0	2.215	3.227	2.0	21.2
6 30	18 11.47	-16 10.2	1.596	2.604	3.6	19.8	6 30	18 12.55	-21 53.3	2.226	3.239	1.8	21.2
7 10	18 1.28	-15 59.3	1.613	2.595	7.4	20.0	7 10	18 4.49	-22 3.9	2.265	3.251	5.2	21.5
7 20	17 52.63	-15 54.1	1.655	2.584	11.4	20.3	7 20	17 57.53	-22 13.6	2.331	3.263	8.4	21.7
7 30	17 46.33	-15 54.7	1.719	2.573	15.0	20.5	7 30	17 52.53	-22 22.6	2.421	3.275	11.2	21.9
<b>161909</b>	2007 <i>DO</i> <sub>82</sub>		6 25.2 123°89	1°5/24.9	18		<b>21542</b>	Kennajannet		6 25.2 335°06	7°2/26.2	18	
5 21	18 45.83	-24 15.5	1.789	2.643	14.3	20.3	5 21	18 37.86	-2 22.3	2.180	2.990	13.7	17.9
5 31	18 40.17	-25 5.5	1.720	2.650	10.8	20.1	5 31	18 33.63	-1 54.2	2.103	2.987	11.4	17.7
6 10	18 32.02	-25 58.0	1.673	2.657	6.8	19.9	6 10	18 27.69	-1 40.3	2.048	2.983	9.2	17.5
6 20	18 22.11	-26 48.8	1.653	2.664	2.7	19.6	6 20	18 20.57	-1 42.8	2.016	2.980	7.5	17.4
6 30	18 11.51	-27 34.1	1.659	2.671	2.7	19.6	6 30	18 12.99	-2 2.7	2.009	2.976	7.3	17.4
7 10	18 1.46	-28 11.5	1.693	2.677	6.8	19.9	7 10	18 5.76	-2 39.0	2.027	2.973	8.7	17.5
7 20	17 53.04	-28 40.4	1.752	2.684	10.7	20.1	7 20	17 59.58	-3 29.5	2.070	2.971	10.9	17.6
7 30	17 47.10	-29 2.0	1.833	2.690	14.1	20.4	7 30	17 55.09	-4 30.8	2.136	2.968	13.3	17.8
<b>159907</b>	2004 <i>VR</i> <sub>16</sub>		6 25.2 312°82	4°0/25.7	17		<b>393574</b>	2003 <i>KJ</i> <sub>31</sub>		6 25.2 329°70	3°3/25.8	18	
5 21	18 39.89	-13 20.0	1.517	2.378	16.1	19.5	5 21	18 39.04	-12 54.4	2.076	2.920	13.0	20.5
5 31	18 36.15	-13 20.3	1.427	2.356	12.7	19.2	5 31	18 34.69	-13 1.8	1.994	2.914	10.2	20.3
6 10	18 29.80	-13 32.3	1.357	2.335	8.7	18.9	6 10	18 28.45	-13 18.2	1.935	2.909	6.9	20.1
6 20	18 21.43	-13 56.6	1.310	2.315	5.0	18.6	6 20	18 20.86	-13 43.7	1.901	2.904	4.0	19.9
6 30	18 12.06	-14 32.7	1.287	2.295	4.6	18.6	6 30	18 12.72	-14 17.2	1.893	2.899	3.7	19.8
7 10	18 2.96	-15 18.5	1.290	2.275	8.4	18.7	7 10	18 4.92	-14 57.2	1.913	2.894	6.5	20.0
7 20	17 55.37	-16 11.2	1.315	2.256	12.8	18.9	7 20	17 58.28	-15 41.6	1.958	2.890	9.8	20.2
7 30	17 50.31	-17 8.0	1.361	2.238	16.9	19.1	7 30	17 53.47	-16 28.6	2.026	2.886	12.8	20.4
<b>37368</b>	2001 <i>VR</i>		6 25.2 200°72	9°8/27.2	18		<b>121186</b>	1999 <i>NR</i> <sub>1</sub>		6 25.2 17°37	24°5/8.3	18	
5 21	18 42.80	+ 9 49.1	2.613	3.337	13.8	19.6	5 21	18 40.10	+22 15.3	0.939	1.699	30.7	18.3
5 31	18 37.05	+10 21.3	2.531	3.332	12.3	19.5	5 31	18 37.05	+23 34.4	0.900	1.701	29.1	18.2
6 10	18 29.70	+10 35.0	2.470	3.326	10.9	19.4	6 10	18 30.60	+24 0.2	0.869	1.704	27.4	18.1
6 20	18 21.24	+10 27.2	2.431	3.319	10.0	19.3	6 20	18 21.72	+23 21.4	0.848	1.709	25.9	18.0
6 30	18 12.33	+ 9 56.2	2.417	3.312	9.8	19.3	6 30	18 11.96	+21 31.4	0.839	1.715	24.8	17.9
7 10	18 3.71	+ 9 3.0	2.428	3.303	10.5	19.3	7 10	18 3.14	+18 34.4	0.843	1.721	24.5	17.9
7 20	17 56.05	+ 7 50.3	2.463	3.294	11.8	19.4	7 20	17 56.70	+14 43.6	0.863	1.729	25.1	18.0
7 30	17 49.93	+ 6 22.4	2.520	3.284	13.3	19.5	7 30	17 53.69	+10 18.8	0.899	1.738	26.4	18.2
<b>172106</b>	2002 <i>GH</i> <sub>24</sub>		6 25.2 347°99	1°8/25.3	17		<b>130512</b>	2000 <i>QS</i> <sub>154</sub>		6 25.2 226°92	5°1/25.2	18	
5 21	18 40.19	-20 13.6	1.127	2.014	18.6	19.3	5 21	18 45.09	-12 7.0	1.740	2.580	15.3	19.7
5 31	18 36.96	-20 1.7	1.060	2.008	14.2	19.0	5 31	18 39.59	-11 27.6	1.655	2.571	12.1	19.5
6 10	18 30.51	-19 54.7	1.012	2.002	9.1	18.7	6 10	18 31.68	-10 56.1	1.592	2.561	8.6	19.2
6 20	18 21.68	-19 52.1	0.985	1.997	3.6	18.4	6 20	18 22.03	-10 34.5	1.553	2.550	5.7	19.0
6 30	18 11.90	-19 53.1	0.980	1.993	3.4	18.4	6 30	18 11.63	-10 24.4	1.540	2.539	5.6	19.0
7 10	18 2.86	-19 57.4	0.997	1.990	8.9	18.7	7 10	18 1.66	-10 26.3	1.554	2.527	8.5	19.2
7 20	17 56.01	-20 4.7	1.036	1.989	14.2	19.0	7 20	17 53.17	-10 39.3	1.592	2.514	12.2	19.3
7 30	17 52.38	-20 15.1	1.093	1.988	18.7	19.2	7 30	17 47.00	-11 2.1	1.651	2.501	15.7	19.5
<b>272674</b>	2005 <i>XS</i> <sub>3</sub>		6 25.2 246°54	2°0/25.1	18		<b>211039</b>	2002 <i>CD</i> <sub>12</sub>		6 25.2 117°51	12°6/27.1	18	
5 21	18 41.14	-18 14.4	2.770	3.606	10.4	21.4	5 21	19 9.55	-55 59.4	1.764	2.525	18.2	20.7
5 31	18 35.80	-17 40.7	2.671	3.590	7.9	21.2	5 31	18 59.28	-56 58.0	1.715	2.543	16.1	20.6
6 10	18 28.92	-17 8.2	2.597	3.574	5.2	21.0	6 10	18 44.31	-57 31.1	1.686	2.561	14.2	20.5
6 20	18 20.97	-16 37.5	2.551	3.558	2.6	20.8	6 20	18 26.34	-57 29.1	1.676	2.579	12.9	20.4
6 30	18 12.58	-16 9.4	2.533	3.541	2.6	20.7	6 30	18 7.93	-56 46.8	1.690	2.596	12.7	20.5
7 10	18 4.48	-15 44.7	2.545	3.524	5.2	20.9	7 10	17 51.72	-55 27.6	1.726	2.612	13.5	20.6
7 20	17 57.29	-15 24.2	2.584	3.507	8.1	21.1	7 20	17 39.48	-53 40.9	1.784	2.627	15.1	20.7
7 30	17 51.59	-15 8.3	2.648	3.489	10.7	21.2	7 30	17 31.97	-51 38.5	1.863	2.641	16.9	20.9
<b>277189</b>	20												

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>368912</b>	2006 TR <sub>86</sub>		6 25.2 334°08	1.8/25.1	17		<b>373560</b>	2001 WX <sub>27</sub>		6 25.2 206°92	6.2/24.8	18	
5 21	18 38.95	-22 5.4	1.123	2.014	18.4	20.4	5 21	18 43.52	-9 41.1	1.941	2.772	14.3	21.3
5 31	18 36.18	-21 29.7	1.047	1.997	14.1	20.1	5 31	18 38.06	-8 32.9	1.863	2.769	11.5	21.1
6 10	18 30.14	-20 53.5	0.990	1.981	9.1	19.8	6 10	18 30.54	-7 32.2	1.807	2.765	8.6	20.9
6 20	18 21.62	-20 17.5	0.953	1.966	3.6	19.4	6 20	18 21.61	-6 42.4	1.777	2.762	6.5	20.7
6 30	18 12.01	-19 42.8	0.939	1.952	3.5	19.4	6 30	18 12.15	-6 6.3	1.773	2.757	6.6	20.7
7 10	18 3.04	-19 11.6	0.946	1.940	9.2	19.6	7 10	18 3.16	-5 45.1	1.795	2.753	8.8	20.9
7 20	17 56.22	-18 46.2	0.974	1.928	14.7	19.9	7 20	17 55.50	-5 38.9	1.842	2.748	11.7	21.0
7 30	17 52.68	-18 28.2	1.020	1.919	19.5	20.1	7 30	17 49.87	-5 46.2	1.910	2.743	14.6	21.2
<b>386442</b>	2008 WL <sub>85</sub>		6 25.2 185°13	0.1/25.2	18		<b>293854</b>	2007 RU <sub>238</sub>		6 25.2 335°73	2.6/25.6	17	
5 21	18 43.12	-22 2.5	2.399	3.242	11.5	22.0	5 21	18 36.79	-16 55.9	0.982	1.879	19.9	19.7
5 31	18 37.54	-22 17.6	2.317	3.242	8.7	21.8	5 31	18 34.94	-17 10.2	0.910	1.862	15.4	19.4
6 10	18 30.12	-22 34.6	2.259	3.242	5.5	21.6	6 10	18 29.62	-17 38.1	0.855	1.846	10.1	19.0
6 20	18 21.43	-22 51.8	2.228	3.241	1.9	21.3	6 20	18 21.54	-18 19.0	0.819	1.831	4.4	18.7
6 30	18 12.24	-23 7.9	2.226	3.239	1.8	21.3	6 30	18 12.11	-19 10.2	0.804	1.817	3.9	18.6
7 10	18 3.42	-23 22.0	2.252	3.237	5.3	21.6	7 10	18 3.19	-20 7.4	0.810	1.806	9.7	18.9
7 20	17 55.76	-23 34.1	2.305	3.235	8.6	21.8	7 20	17 56.50	-21 6.4	0.835	1.795	15.6	19.1
7 30	17 49.88	-23 44.4	2.382	3.232	11.5	21.9	7 30	17 53.38	-22 3.8	0.877	1.787	20.7	19.4
<b>471724</b>	2012 UW <sub>15</sub>		6 25.2 147°99	1.2/25.3	17		<b>495591</b>	2015 AZ <sub>77</sub>		6 25.2 153°68	2.7/25.6	17	
5 21	18 42.26	-19 15.8	2.007	2.857	13.2	21.6	5 21	18 44.21	-15 44.4	1.737	2.587	14.9	21.7
5 31	18 37.15	-19 23.5	1.932	2.860	10.0	21.4	5 31	18 38.87	-15 49.3	1.665	2.590	11.5	21.5
6 10	18 29.98	-19 35.4	1.880	2.862	6.3	21.1	6 10	18 31.19	-16 2.1	1.615	2.594	7.5	21.3
6 20	18 21.40	-19 50.3	1.853	2.864	2.5	20.9	6 20	18 21.87	-16 22.2	1.589	2.597	3.7	21.0
6 30	18 12.28	-20 7.0	1.854	2.866	2.3	20.9	6 30	18 11.93	-16 48.1	1.590	2.600	3.4	21.0
7 10	18 3.62	-20 24.6	1.882	2.868	6.1	21.1	7 10	18 2.52	-17 18.4	1.618	2.602	7.1	21.2
7 20	17 56.31	-20 42.5	1.935	2.870	9.7	21.4	7 20	17 54.66	-17 51.3	1.670	2.605	11.0	21.5
7 30	17 51.02	-21 0.4	2.012	2.871	12.9	21.6	7 30	17 49.11	-18 25.8	1.745	2.607	14.5	21.7
<b>377758</b>	2005 YT <sub>47</sub>		6 25.2 209°57	0.2/25.2	18		<b>309135</b>	2006 X7 <sub>37</sub>		6 25.2 297°15	0.2/25.2	18	
5 21	18 44.77	-22 5.9	2.131	2.976	12.7	21.4	5 21	18 41.85	-25 0.9	2.154	3.006	12.3	20.5
5 31	18 39.09	-22 36.7	2.045	2.971	9.6	21.1	5 31	18 36.79	-24 42.9	2.070	2.999	9.3	20.3
6 10	18 31.26	-23 10.8	1.982	2.965	6.0	20.9	6 10	18 29.74	-24 23.0	2.009	2.993	5.9	20.1
6 20	18 21.87	-23 45.6	1.946	2.959	2.1	20.6	6 20	18 21.33	-24 0.5	1.974	2.986	2.1	19.8
6 30	18 11.80	-24 18.7	1.938	2.952	2.0	20.6	6 30	18 12.43	-23 35.2	1.966	2.980	1.9	19.8
7 10	18 2.07	-24 48.3	1.959	2.944	6.0	20.9	7 10	18 3.98	-23 8.1	1.987	2.974	5.7	20.0
7 20	17 53.63	-25 13.8	2.006	2.936	9.6	21.1	7 20	17 56.84	-22 40.6	2.033	2.967	9.3	20.2
7 30	17 47.24	-25 35.5	2.076	2.928	12.9	21.3	7 30	17 51.66	-22 14.3	2.102	2.961	12.4	20.4
<b>338091</b>	2002 PB <sub>179</sub>		6 25.2 266°53	1.3/25.1	18		<b>210933</b>	2001 TV <sub>163</sub>		6 25.2 293°13	1.8/25.3	18	
5 21	18 42.94	-25 36.4	1.993	2.847	13.1	21.1	5 21	18 40.61	-18 37.1	2.011	2.863	13.1	20.7
5 31	18 37.92	-25 59.7	1.907	2.837	10.0	20.9	5 31	18 35.99	-18 26.2	1.925	2.854	10.0	20.4
6 10	18 30.62	-26 23.2	1.843	2.827	6.3	20.7	6 10	18 29.33	-18 18.9	1.862	2.844	6.4	20.2
6 20	18 21.67	-26 44.4	1.805	2.817	2.5	20.4	6 20	18 21.22	-18 15.1	1.825	2.835	2.9	20.0
6 30	18 12.00	-27 1.0	1.794	2.806	2.4	20.4	6 30	18 12.51	-18 14.7	1.814	2.825	2.7	19.9
7 10	18 2.72	-27 11.8	1.810	2.796	6.4	20.6	7 10	18 4.18	-18 17.2	1.830	2.816	6.3	20.1
7 20	17 54.83	-27 17.1	1.852	2.786	10.1	20.8	7 20	17 57.12	-18 22.8	1.872	2.806	10.0	20.3
7 30	17 49.12	-27 18.3	1.917	2.775	13.5	21.0	7 30	17 52.04	-18 31.2	1.936	2.797	13.3	20.5
<b>278235</b>	2007 EW <sub>119</sub>		6 25.2 139°99	4.8/25.6	17		<b>185945</b>	2000 YD <sub>131</sub>		6 25.2 187°74	0.3/25.3	18	
5 21	18 42.86	-10 35.3	1.955	2.789	14.1	21.8	5 21	18 40.63	-21 6.9	2.930	3.767	9.8	21.0
5 31	18 37.49	-10 11.4	1.886	2.797	11.1	21.6	5 31	18 35.39	-21 27.9	2.845	3.767	7.4	20.8
6 10	18 30.13	-9 57.0	1.839	2.804	8.0	21.4	6 10	18 28.67	-21 51.0	2.784	3.765	4.6	20.6
6 20	18 21.44	-9 53.5	1.817	2.811	5.3	21.3	6 20	18 20.94	-22 15.1	2.752	3.764	1.6	20.4
6 30	18 12.28	-10 1.2	1.821	2.817	5.1	21.3	6 30	18 12.79	-22 38.8	2.749	3.762	1.5	20.4
7 10	18 3.64	-10 19.4	1.852	2.823	7.5	21.4	7 10	18 4.92	-23 1.2	2.775	3.760	4.5	20.6
7 20	17 56.33	-10 46.5	1.908	2.829	10.6	21.6	7 20	17 57.93	-23 21.8	2.829	3.757	7.3	20.8
7 30	17 51.03	-11 20.7	1.987	2.834	13.5	21.8	7 30	17 52.36	-23 40.7	2.908	3.754	9.8	20.9
<b>121731</b>	1999 XU <sub>170</sub>		6 25.2 237°75	1.3/24.9	18		<b>439871</b>	1999 VC <sub>120</sub>		6 25.2 191°30	2.2/24.9	18	
5 21	18 41.54	-26 12.3	2.970	3.808	9.7	20.5	5 21	18 42.04	-30 1.6	2.670	3.510	10.6	22.0
5 31	18 36.21	-26 45.7	2.872	3.794	7.3	20.3	5 31	18 36.67	-30 23.2	2.588	3.509	8.1	21.9
6 10	18 29.26	-27 19.1	2.799	3.779	4.7	20.1	6 10	18 29.57	-30 41.9	2.531	3.508	5.3	21.7
6 20	18 21.15	-27 50.7	2.754	3.764	2.0	19.9	6 20	18 21.27	-30 55.3	2.500	3.507	2.7	21.5
6 30	18 12.50	-28 18.3	2.738	3.749	2.0	19.9	6 30	18 12.52	-31 1.9	2.498	3.505	2.7	21.5
7 10	18 4.05	-28 41.0	2.752	3.733	4.8	20.1	7 10	18 4.13	-31 1.2	2.524	3.503	5.3	21.7
7 20	17 56.46	-28 58.4	2.793	3.716	7.6	20.2	7 20	17 56.85	-30 54.1	2.577	3.501	8.1	21.8
7 30	17 50.35	-29 11.0	2.860	3.700	10.1	20.4	7 30	17 51.28	-30 42.0	2.655	3.498	10.6	22.0
<b>431025</b>	2005 YA <sub>212</sub>		6 25.2 143°15	1.2/24.9	17		<b>92005</b>	1999 VH <sub>155</sub>		6 25.2 50°77	10.2/26.3	18	
5 21	18 46.09	-24 33.0	2.214	3.057	12.4	21.8	5 21	18 38.57	+ 4 41.9	2.085	2.864	15.2	18.7
5 31	18 39.91	-25 16.7	2.143	3.067	9.3	21.6	5 31	18 34.11	+ 5 49.7	2.030	2.875	13.3	18.6
6 10	18 31.67	-26 1.5	2.096	3.078	5.9	21.4	6 10	18 27.96	+ 6 39.0	1.994	2.887	11.6	18.5
6 20	18 21.99	-26 44.3	2.076	3.087	2.3	21.2	6 20	18 20.69	+ 7 5.9	1.981	2.899	10.5	18.5
6 30	18 11.78	-27 22.2	2.085	3.097	2.3	21.2	6 30	18 13.08	+ 7 8.4	1.991	2.911	10.3	18.5
7 10	18 2.03	-27 53.5	2.122	3.105	5.8	21.5	7 10	18 5.93	+ 6 47.1	2.024	2.923	11.2	18.6
7 20	17 53.63	-28 17.9	2.187	3.113	9.2	21.7	7 20	17 59.96	+ 6 4.6	2.079	2.936	12.7	18.7
7 30	17 47.27	-28 36.3	2.275	3.121	12.1	21.9	7 30	17 55.72	+ 5 5.3	2.155	2.949	14.4	18.8
<b>21913</b>	Taylorjones		6 25.2 220°20	0.5/25.2	18		<b>201589</b>	2003 SU <sub>120</sub>		6 25.2 208°68	7.0/24.3	18	
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>211051</b>	2002 <i>CP</i> <sub>52</sub>		6 25.2	31°94	2°8/25.1	17	<b>216304</b>	2007 <i>SV</i> <sub>7</sub>		6 25.2	109°82	4°1/25.6	18
5 21	18 45.01	-28 25.2	1.186	2.066	18.4	19.7	5 21	18 46.68	-13 31.0	1.631	2.476	16.0	20.5
5 31	18 40.54	-28 46.4	1.130	2.073	14.0	19.4	5 31	18 40.62	-13 14.1	1.574	2.494	12.3	20.3
6 10	18 32.68	-29 4.1	1.093	2.080	9.0	19.2	6 10	18 32.20	-13 6.2	1.538	2.512	8.4	20.1
6 20	18 22.46	-29 13.9	1.077	2.088	4.1	18.9	6 20	18 22.25	-13 8.0	1.527	2.530	4.9	19.9
6 30	18 11.48	-29 12.8	1.085	2.097	4.0	19.0	6 30	18 11.85	-13 19.0	1.542	2.546	4.6	20.0
7 10	18 1.52	-29 0.7	1.116	2.106	8.8	19.3	7 10	18 2.21	-13 38.2	1.583	2.563	7.8	20.2
7 20	17 54.02	-28 40.5	1.169	2.115	13.6	19.5	7 20	17 54.31	-14 4.0	1.649	2.578	11.4	20.4
7 30	17 49.90	-28 16.1	1.242	2.125	17.7	19.8	7 30	17 48.84	-14 34.7	1.737	2.593	14.7	20.7
<b>262896</b>	2007 <i>CH</i> <sub>25</sub>		6 25.2	87°59	1°1/25.2	17	<b>330344</b>	2006 <i>VJ</i> <sub>10</sub>		6 25.2	131°09	2°7/25.3	17
5 21	18 46.10	-26 23.7	1.678	2.536	15.0	20.6	5 21	18 45.02	-17 35.4	1.720	2.572	14.9	21.5
5 31	18 40.33	-26 25.3	1.617	2.549	11.3	20.4	5 31	18 39.43	-17 9.7	1.652	2.579	11.4	21.3
6 10	18 32.07	-26 24.7	1.577	2.562	7.1	20.2	6 10	18 31.51	-16 48.4	1.606	2.586	7.5	21.0
6 20	18 22.16	-26 19.8	1.562	2.574	2.7	19.9	6 20	18 22.02	-16 32.0	1.585	2.593	3.7	20.8
6 30	18 11.77	-26 9.3	1.574	2.587	2.5	19.9	6 30	18 12.03	-16 20.9	1.590	2.599	3.5	20.8
7 10	18 2.18	-25 53.9	1.612	2.600	6.8	20.2	7 10	18 2.67	-16 15.2	1.622	2.605	7.2	21.1
7 20	17 54.42	-25 35.1	1.675	2.612	10.8	20.5	7 20	17 54.94	-16 15.0	1.678	2.611	11.0	21.3
7 30	17 49.22	-25 15.4	1.760	2.624	14.2	20.7	7 30	17 49.56	-16 20.2	1.757	2.617	14.5	21.5
<b>212650</b>	2006 <i>UF</i> <sub>91</sub>		6 25.2	264°95	4°2/24.5	18 R	<b>446675</b>	2015 <i>OF</i> <sub>2</sub>		6 25.2	1°61	1°5/25.2	18
5 21	18 44.09	-33 27.9	2.222	3.065	12.3	20.5	5 21	18 41.66	-27 33.3	1.960	2.817	13.2	20.2
5 31	18 38.79	-34 17.5	2.137	3.055	9.7	20.3	5 31	18 36.88	-27 37.4	1.885	2.816	10.0	20.0
6 10	18 31.20	-35 3.0	2.074	3.045	6.8	20.1	6 10	18 29.93	-27 38.8	1.832	2.816	6.4	19.8
6 20	18 21.93	-35 40.3	2.037	3.035	4.5	19.9	6 20	18 21.48	-27 35.7	1.805	2.816	2.6	19.5
6 30	18 11.90	-36 5.6	2.028	3.024	4.7	19.9	6 30	18 12.51	-27 26.8	1.805	2.817	2.5	19.5
7 10	18 2.23	-36 17.8	2.045	3.014	7.1	20.1	7 10	18 4.07	-27 12.4	1.831	2.817	6.2	19.7
7 20	17 53.92	-36 17.4	2.088	3.003	10.1	20.2	7 20	17 57.09	-26 53.8	1.882	2.818	9.8	20.0
7 30	17 47.79	-36 7.0	2.154	2.993	12.9	20.4	7 30	17 52.29	-26 33.0	1.956	2.820	13.1	20.2
<b>144866</b>	2004 <i>LX</i> <sub>16</sub>		6 25.2	335°06	2°0/25.1	18	<b>379863</b>	2012 <i>HP</i>		6 25.2	146°35	14°6/21.1	18
5 21	18 36.96	-19 31.9	2.160	3.017	12.1	18.9	5 21	19 2.02	-43 38.2	1.127	1.971	21.6	20.7
5 31	18 33.19	-18 57.1	2.064	2.995	9.3	18.7	5 31	18 55.93	-46 50.5	1.078	1.977	18.5	20.5
6 10	18 27.57	-18 23.3	1.990	2.973	6.0	18.4	6 10	18 44.02	-49 50.7	1.047	1.982	15.8	20.3
6 20	18 20.63	-17 51.3	1.942	2.951	2.8	18.2	6 20	18 27.00	-52 18.2	1.038	1.987	14.6	20.3
6 30	18 13.12	-17 21.9	1.920	2.931	2.8	18.1	6 30	18 7.22	-53 55.8	1.051	1.991	15.4	20.3
7 10	18 5.92	-16 56.3	1.926	2.911	6.1	18.3	7 10	17 48.29	-54 38.2	1.083	1.995	17.6	20.5
7 20	17 59.83	-16 35.5	1.956	2.892	9.6	18.5	7 20	17 33.51	-54 32.9	1.134	1.998	20.5	20.7
7 30	17 55.51	-16 20.0	2.010	2.874	12.8	18.7	7 30	17 24.87	-53 54.5	1.200	2.001	23.2	20.9
<b>343955</b>	2011 <i>KJ</i> <sub>32</sub>		6 25.2	349°53	1°2/25.3	17	<b>407923</b>	2012 <i>CC</i> <sub>19</sub>		6 25.2	241°60	5°8/26.6	18
5 21	18 42.12	-20 54.8	1.683	2.545	14.7	20.9	5 21	18 39.83	-1 13.1	2.935	3.718	11.1	21.2
5 31	18 37.44	-20 43.2	1.609	2.544	11.2	20.7	5 31	18 34.80	-1 11.4	2.837	3.703	9.3	21.0
6 10	18 30.37	-20 33.9	1.557	2.542	7.1	20.4	6 10	18 28.35	-1 22.1	2.762	3.687	7.5	20.9
6 20	18 21.63	-20 26.4	1.529	2.541	2.7	20.1	6 20	18 20.91	-1 46.3	2.712	3.671	6.1	20.8
6 30	18 12.27	-20 20.3	1.527	2.540	2.5	20.1	6 30	18 13.01	-2 24.3	2.690	3.655	5.9	20.7
7 10	18 3.47	-20 15.5	1.551	2.539	6.9	20.4	7 10	18 5.29	-3 15.0	2.696	3.638	7.0	20.8
7 20	17 56.27	-20 12.6	1.599	2.539	11.0	20.6	7 20	17 58.33	-4 16.3	2.729	3.621	8.9	20.9
7 30	17 51.44	-20 12.0	1.669	2.538	14.6	20.9	7 30	17 52.66	-5 25.5	2.786	3.603	10.9	21.0
<b>100802</b>	1998 <i>FK</i> <sub>03</sub>		6 25.2	189°11	0°1/25.2	18	<b>405728</b>	2005 <i>XQ</i> <sub>25</sub>		6 25.2	209°25	0°8/25.2	16
5 21	18 45.02	-22 27.6	2.562	3.397	11.1	20.6	5 21	18 47.76	-23 32.0	1.484	2.345	16.4	22.2
5 31	18 38.91	-22 46.4	2.475	3.396	8.4	20.4	5 31	18 42.23	-23 58.9	1.408	2.342	12.5	21.9
6 10	18 30.99	-23 6.8	2.414	3.395	5.3	20.2	6 10	18 33.68	-24 28.6	1.353	2.338	7.9	21.7
6 20	18 21.82	-23 26.9	2.380	3.392	1.8	20.0	6 20	18 22.91	-24 57.6	1.321	2.334	2.8	21.3
6 30	18 12.14	-23 45.2	2.375	3.388	1.7	19.9	6 30	18 11.18	-25 22.6	1.316	2.329	2.7	21.3
7 10	18 2.78	-24 1.0	2.400	3.384	5.1	20.2	7 10	18 0.03	-25 41.7	1.336	2.324	7.8	21.6
7 20	17 54.53	-24 13.9	2.452	3.379	8.3	20.4	7 20	17 50.83	-25 54.7	1.380	2.319	12.5	21.9
7 30	17 48.01	-24 24.6	2.529	3.373	11.1	20.5	7 30	17 44.59	-26 3.5	1.445	2.313	16.6	22.1
<b>221540</b>	2006 <i>TG</i> <sub>128</sub>		6 25.2	311°26	0°3/25.3	17 R	<b>17944</b>	1999 <i>JF</i> <sub>7</sub>		6 25.2	65°45	1°9/25.5	18
5 21	18 41.52	-21 33.4	1.358	2.234	16.8	19.8	5 21	18 43.71	-17 24.7	1.571	2.430	15.7	17.9
5 31	18 37.88	-21 50.1	1.270	2.212	12.9	19.5	5 31	18 38.62	-17 38.3	1.513	2.444	12.0	17.7
6 10	18 31.19	-22 12.2	1.202	2.191	8.2	19.2	6 10	18 31.08	-17 59.2	1.476	2.458	7.7	17.4
6 20	18 22.09	-22 37.5	1.157	2.170	2.9	18.8	6 20	18 21.90	-18 25.9	1.462	2.473	3.3	17.2
6 30	18 11.78	-23 3.3	1.135	2.149	2.7	18.7	6 30	18 12.18	-18 56.5	1.475	2.487	2.9	17.2
7 10	18 1.81	-23 27.5	1.138	2.129	8.3	19.0	7 10	18 3.17	-19 28.8	1.514	2.502	7.1	17.5
7 20	17 53.65	-23 49.0	1.162	2.110	13.5	19.2	7 20	17 55.89	-20 1.4	1.577	2.516	11.2	17.8
7 30	17 48.48	-24 8.2	1.207	2.091	18.0	19.4	7 30	17 51.08	-20 33.4	1.662	2.531	14.7	18.0
<b>38020</b>	Hannadam		6 25.2	347°88	1°3/24.9	18	<b>7600</b>	Vacchi		6 25.2	233°51	4°0/25.3	18
5 21	18 40.48	-23 7.3	1.769	2.633	14.1	18.0	5 21	18 41.88	-14 8.9	1.911	2.757	13.9	17.8
5 31	18 36.34	-24 3.9	1.691	2.627	10.6	17.8	5 31	18 36.93	-13 31.8	1.834	2.755	10.9	17.6
6 10	18 29.81	-25 5.4	1.635	2.621	6.7	17.6	6 10	18 29.92	-13 0.7	1.780	2.753	7.5	17.4
6 20	18 21.50	-26 7.9	1.604	2.616	2.6	17.3	6 20	18 21.49	-12 37.2	1.750	2.751	4.6	17.2
6 30	18 12.39	-27 7.3	1.599	2.612	2.6	17.3	6 30	18 12.53	-12 22.2	1.747	2.749	4.5	17.2
7 10	18 3.66	-28 0.1	1.621	2.608	6.8	17.5	7 10	18 4.05	-12 16.3	1.770	2.747	7.3	17.4
7 20	17 56.39	-28 44.8	1.668	2.605	10.8	17.8	7 20	17 56.91	-12 19.2	1.819	2.745	10.7	17.6
7 30	17 51.45	-29 21.2	1.737	2.603	14.3	18.0	7 30	17 51.82	-12 29.9	1.889	2.743	13.9	17.8
<b>141166</b>	2001 <i>XL</i> <sub>142</sub>		6 25.2	153°37	0°5/25.3	17	<b>185784</b>	1999 <i>UK</i> <sub>54</sub>		6 25.			

EPHEMERIDES

6 25.2

6 25.2

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>307071</b>	2002 <i>AW</i> <sub>32</sub>		6 25.2	98°89	2°3/24.9	17	<b>499527</b>	2010 <i>RO</i> <sub>16</sub>		6 25.2	242°16	0°5/25.2	17
5 21	18 53.48	-22 28.5	1.557	2.405	16.4	19.9	5 21	18 46.97	-23 7.1	1.721	2.575	14.8	21.8
5 31	18 45.61	-21 11.1	1.502	2.428	12.4	19.7	5 31	18 41.28	-22 53.0	1.631	2.562	11.3	21.5
6 10	18 35.18	-19 51.5	1.469	2.451	7.9	19.5	6 10	18 32.94	-22 38.6	1.564	2.548	7.2	21.2
6 20	18 23.23	-18 31.6	1.463	2.473	3.4	19.3	6 20	18 22.64	-22 22.7	1.521	2.534	2.6	20.9
6 30	18 11.09	-17 15.2	1.484	2.494	3.4	19.4	6 30	18 11.50	-22 4.8	1.505	2.519	2.4	20.9
7 10	18 0.09	-16 6.1	1.533	2.515	7.7	19.7	7 10	18 0.82	-21 45.4	1.516	2.504	7.1	21.1
7 20	17 51.25	-15 7.6	1.608	2.535	11.8	20.0	7 20	17 51.79	-21 26.0	1.552	2.488	11.6	21.3
7 30	17 45.20	-14 21.2	1.704	2.555	15.3	20.2	7 30	17 45.31	-21 8.5	1.610	2.471	15.5	21.5
<b>368928</b>	2006 <i>VG</i> <sub>36</sub>		6 25.2	214°81	2°7/25.4	17	<b>51338</b>	2000 <i>OZ</i> <sub>24</sub>		6 25.2	89°16	2°0/25.3	18
5 21	18 44.87	-16 5.0	2.029	2.869	13.4	22.2	5 21	18 44.84	-29 44.8	2.115	2.962	12.7	18.1
5 31	18 39.20	-15 55.2	1.941	2.861	10.4	22.0	5 31	18 39.00	-29 45.7	2.051	2.976	9.6	18.0
6 10	18 31.38	-15 51.0	1.876	2.853	6.9	21.8	6 10	18 31.10	-29 42.1	2.009	2.989	6.2	17.8
6 20	18 22.04	-15 52.4	1.837	2.844	3.5	21.5	6 20	18 21.87	-29 31.9	1.994	3.003	2.9	17.6
6 30	18 12.03	-15 59.0	1.826	2.834	3.3	21.5	6 30	18 12.29	-29 14.4	2.007	3.017	2.7	17.6
7 10	18 2.40	-16 10.4	1.842	2.824	6.6	21.7	7 10	18 3.37	-28 50.2	2.047	3.030	5.9	17.8
7 20	17 54.07	-16 25.9	1.884	2.813	10.3	21.9	7 20	17 55.95	-28 21.4	2.113	3.043	9.2	18.1
7 30	17 47.79	-16 45.1	1.950	2.801	13.6	22.1	7 30	17 50.68	-27 50.4	2.202	3.056	12.1	18.3
<b>494273</b>	2016 <i>QZ</i> <sub>77</sub>		6 25.2	291°92	3°4/25.1	18	<b>357756</b>	2005 <i>SY</i> <sub>91</sub>		6 25.2	168°78	4°6/24.7	18
5 21	18 41.98	-16 39.9	1.855	2.707	14.0	21.2	5 21	18 44.85	-37 42.3	2.692	3.517	10.9	21.4
5 31	18 37.33	-16 1.3	1.757	2.683	10.9	20.9	5 31	18 38.96	-38 22.8	2.617	3.520	8.7	21.2
6 10	18 30.39	-15 25.8	1.680	2.658	7.4	20.7	6 10	18 31.11	-38 56.4	2.565	3.522	6.5	21.1
6 20	18 21.74	-14 54.8	1.628	2.634	4.1	20.4	6 20	18 21.92	-39 19.4	2.539	3.524	4.8	21.0
6 30	18 12.28	-14 29.5	1.603	2.609	4.0	20.4	6 30	18 12.21	-39 29.6	2.541	3.526	4.9	21.0
7 10	18 3.11	-14 11.3	1.604	2.585	7.5	20.5	7 10	18 2.93	-39 26.5	2.571	3.527	6.6	21.1
7 20	17 55.24	-14 0.8	1.629	2.560	11.5	20.7	7 20	17 54.91	-39 11.4	2.627	3.528	8.8	21.2
7 30	17 49.53	-13 58.2	1.677	2.536	15.1	20.9	7 30	17 48.82	-38 47.1	2.706	3.529	11.0	21.4
<b>147045</b>	2002 <i>RE</i> <sub>79</sub>		6 25.2	298°83	1°1/25.3	18	<b>98122</b>	2000 <i>SW</i> <sub>11</sub>		6 25.2	305°24	2°6/25.2	18
5 21	18 42.76	-20 35.1	1.433	2.302	16.4	19.9	5 21	18 44.64	-28 51.8	1.252	2.129	17.8	18.7
5 31	18 38.68	-20 37.5	1.341	2.280	12.6	19.6	5 31	18 40.62	-28 57.6	1.168	2.110	13.8	18.3
6 10	18 31.64	-20 44.5	1.270	2.257	8.1	19.3	6 10	18 33.09	-28 58.8	1.104	2.090	9.0	18.0
6 20	18 22.28	-20 55.0	1.222	2.235	3.1	18.9	6 20	18 22.83	-28 51.5	1.061	2.071	4.0	17.7
6 30	18 11.74	-21 7.2	1.199	2.212	2.8	18.8	6 30	18 11.29	-28 32.7	1.041	2.053	3.9	17.6
7 10	18 1.53	-21 20.1	1.200	2.190	8.1	19.1	7 10	18 0.32	-28 2.7	1.045	2.035	9.1	17.8
7 20	17 53.03	-21 33.2	1.223	2.168	13.2	19.3	7 20	17 51.58	-27 24.7	1.070	2.017	14.4	18.1
7 30	17 47.40	-21 47.0	1.267	2.147	17.7	19.5	7 30	17 46.31	-26 43.6	1.114	2.000	19.1	18.3
<b>375717</b>	2009 <i>QO</i> <sub>20</sub>		6 25.2	316°22	2°2/25.0	17	<b>26753</b>	2001 <i>HM</i> <sub>66</sub>		6 25.2	222°56	7°9/25.8	18
5 21	18 41.48	-26 28.9	1.287	2.167	17.2	20.6	5 21	18 42.57	-4 53.5	1.709	2.535	16.2	19.1
5 31	18 38.20	-26 55.5	1.197	2.141	13.3	20.3	5 31	18 37.68	-4 7.8	1.634	2.531	13.3	18.9
6 10	18 31.60	-27 23.0	1.128	2.116	8.6	20.0	6 10	18 30.52	-3 36.6	1.579	2.527	10.5	18.7
6 20	18 22.33	-27 47.6	1.080	2.092	3.7	19.6	6 20	18 21.76	-3 23.2	1.548	2.523	8.3	18.5
6 30	18 11.67	-28 5.0	1.055	2.068	3.7	19.5	6 30	18 12.35	-3 29.8	1.541	2.518	8.1	18.5
7 10	18 1.35	-28 13.1	1.054	2.044	9.0	19.8	7 10	18 3.39	-3 55.7	1.559	2.514	10.1	18.6
7 20	17 53.00	-28 12.2	1.074	2.022	14.3	20.0	7 20	17 55.86	-4 38.6	1.600	2.509	13.0	18.8
7 30	17 47.96	-28 4.9	1.113	2.001	19.0	20.2	7 30	17 50.55	-5 34.5	1.661	2.504	16.0	19.0
<b>346019</b>	2007 <i>TX</i> <sub>292</sub>		6 25.2	136°48	0°2/25.2	18	<b>496912</b>	2001 <i>SF</i> <sub>209</sub>		6 25.2	297°09	5°6/25.6	17
5 21	18 42.60	-23 7.6	1.980	2.834	13.2	21.3	5 21	18 42.20	-12 40.6	1.263	2.130	18.3	21.4
5 31	18 37.54	-23 18.0	1.904	2.835	9.9	21.1	5 31	18 38.41	-12 13.0	1.179	2.111	14.6	21.1
6 10	18 30.34	-23 29.7	1.851	2.835	6.2	20.9	6 10	18 31.55	-11 56.8	1.114	2.092	10.3	20.8
6 20	18 21.66	-23 40.9	1.824	2.836	2.2	20.6	6 20	18 22.27	-11 54.5	1.070	2.072	6.4	20.5
6 30	18 12.42	-23 50.3	1.824	2.837	2.0	20.6	6 30	18 11.79	-12 7.5	1.049	2.054	6.2	20.4
7 10	18 3.66	-23 57.1	1.850	2.838	6.0	20.9	7 10	18 1.68	-12 35.0	1.051	2.035	10.1	20.6
7 20	17 56.30	-24 1.5	1.903	2.839	9.8	21.1	7 20	17 53.39	-13 15.0	1.075	2.017	14.9	20.8
7 30	17 51.06	-24 4.4	1.978	2.839	13.0	21.3	7 30	17 48.11	-14 4.2	1.117	1.999	19.4	21.0
<b>73894</b>	1997 <i>EL</i> <sub>34</sub>		6 25.2	154°56	1°4/25.1	17	<b>289642</b>	2005 <i>GQ</i> <sub>93</sub>		6 25.2	26°05	3°4/25.2	17
5 21	18 47.75	-26 7.6	1.856	2.705	14.1	20.2	5 21	18 43.20	-17 52.1	1.316	2.187	17.5	20.6
5 31	18 41.55	-26 27.0	1.785	2.712	10.7	20.0	5 31	18 38.68	-17 14.3	1.254	2.191	13.4	20.4
6 10	18 32.90	-26 45.3	1.736	2.719	6.8	19.8	6 10	18 31.35	-16 41.4	1.211	2.195	8.8	20.1
6 20	18 22.56	-26 59.8	1.714	2.725	2.7	19.5	6 20	18 22.06	-16 14.8	1.191	2.199	4.4	19.9
6 30	18 11.62	-27 8.2	1.718	2.730	2.6	19.5	6 30	18 12.12	-15 55.6	1.195	2.204	4.3	19.9
7 10	18 1.31	-27 9.9	1.750	2.735	6.6	19.8	7 10	18 2.98	-15 44.7	1.223	2.210	8.5	20.1
7 20	17 52.67	-27 5.9	1.808	2.739	10.5	20.0	7 20	17 55.82	-15 42.0	1.273	2.215	13.0	20.4
7 30	17 46.48	-26 58.4	1.888	2.743	13.8	20.3	7 30	17 51.49	-15 47.1	1.344	2.221	17.0	20.7
<b>36232</b>	1999 <i>US</i> <sub>26</sub>		6 25.2	345°75	0°1/25.2	18	<b>263075</b>	2007 <i>OW</i> <sub>6</sub>		6 25.2	278°95	9°2/26.5	18
5 21	18 40.23	-23 55.1	1.897	2.758	13.4	18.1	5 21	18 57.79	-42 37.5	1.126	1.977	21.2	20.1
5 31	18 35.86	-23 46.6	1.819	2.753	10.1	17.8	5 31	18 51.74	-42 43.9	1.042	1.957	17.6	19.8
6 10	18 29.34	-23 37.8	1.762	2.748	6.3	17.6	6 10	18 40.62	-42 27.4	0.975	1.937	13.6	19.5
6 20	18 21.32	-23 27.8	1.731	2.744	2.2	17.3	6 20	18 25.57	-41 36.8	0.928	1.917	10.1	19.2
6 30	18 12.74	-23 15.9	1.726	2.740	2.0	17.3	6 30	18 8.90	-40 5.1	0.903	1.897	9.5	19.1
7 10	18 4.64	-23 2.6	1.748	2.737	6.2	17.6	7 10	17 53.51	-37 55.9	0.901	1.876	12.7	19.2
7 20	17 57.96	-22 48.7	1.794	2.734	10.0	17.8	7 20	17 41.75	-35 22.3	0.920	1.855	17.5	19.4
7 30	17 53.41	-22 35.5	1.863	2.732	13.4	18.0	7 30	17 34.97	-32 41.3	0.958	1.835	22.2	19.6

EPHEMERIDES

6 25.2

6 25.3

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>350036</b>	2010 <i>JV</i> <sub>173</sub>		6 25.2	13 <sup>o</sup> 10	0 <sup>o</sup> 8/25.3	17	<b>263529</b>	2008 <i>EM</i> <sub>163</sub>		6 25.3	31 <sup>o</sup> 18	5 <sup>o</sup> 5/26.5	16
5 21	18 41.60	-20 55.1	1.831	2.689	13.9	21.6	5 21	18 39.09	-6 57.2	1.956	2.787	14.2	19.7
5 31	18 36.91	-20 58.1	1.757	2.690	10.5	21.3	5 31	18 34.75	-6 55.6	1.890	2.795	11.4	19.5
6 10	18 30.01	-21 4.0	1.706	2.691	6.6	21.1	6 10	18 28.54	-7 7.8	1.845	2.803	8.5	19.4
6 20	18 21.57	-21 11.9	1.680	2.692	2.5	20.8	6 20	18 21.06	-7 34.3	1.824	2.811	6.1	19.2
6 30	18 12.56	-21 20.4	1.680	2.694	2.2	20.8	6 30	18 13.14	-8 14.6	1.829	2.820	5.7	19.2
7 10	18 4.07	-21 28.9	1.707	2.695	6.4	21.1	7 10	18 5.67	-9 6.5	1.860	2.830	7.6	19.4
7 20	17 57.03	-21 37.4	1.758	2.697	10.3	21.3	7 20	17 59.44	-10 7.1	1.916	2.840	10.4	19.5
7 30	17 52.19	-21 46.0	1.832	2.699	13.7	21.6	7 30	17 55.08	-11 12.9	1.995	2.850	13.2	19.7
<b>425852</b>	2011 <i>EY</i> <sub>68</sub>		6 25.3	105 <sup>o</sup> 06	3 <sup>o</sup> 4/25.7	17	<b>463653</b>	2013 <i>TP</i> <sub>146</sub>		6 25.3	353 <sup>o</sup> 23	0 <sup>o</sup> 4/25.3	17
5 21	18 43.91	-13 44.0	1.845	2.688	14.5	21.5	5 21	18 36.98	-24 57.5	0.965	1.868	19.6	20.2
5 31	18 38.42	-13 42.7	1.782	2.702	11.2	21.3	5 31	18 35.11	-24 44.8	0.903	1.859	15.0	19.9
6 10	18 30.82	-13 50.1	1.742	2.716	7.5	21.1	6 10	18 29.69	-24 30.5	0.858	1.852	9.5	19.5
6 20	18 21.82	-14 5.9	1.726	2.730	4.2	20.9	6 20	18 21.65	-24 13.4	0.833	1.846	3.4	19.2
6 30	18 12.37	-14 29.2	1.737	2.743	3.8	20.9	6 30	18 12.59	-23 52.6	0.828	1.843	3.1	19.1
7 10	18 3.51	-14 58.6	1.775	2.756	6.9	21.2	7 10	18 4.40	-23 29.4	0.844	1.841	9.2	19.5
7 20	17 56.12	-15 32.3	1.838	2.769	10.4	21.4	7 20	17 58.67	-23 6.1	0.880	1.841	14.9	19.8
7 30	17 50.87	-16 8.8	1.924	2.781	13.5	21.6	7 30	17 56.48	-22 45.2	0.933	1.843	19.7	20.1
<b>309098</b>	2006 <i>VB</i> <sub>172</sub>		6 25.3	142 <sup>o</sup> 20	0 <sup>o</sup> 2/25.3	18	<b>342112</b>	2008 <i>SO</i> <sub>90</sub>		6 25.3	321 <sup>o</sup> 58	0 <sup>o</sup> 7/25.3	16
5 21	18 41.89	-23 38.5	2.451	3.296	11.3	20.8	5 21	18 40.74	-22 11.7	1.437	2.311	16.1	20.7
5 31	18 36.55	-23 23.1	2.374	3.300	8.5	20.7	5 31	18 37.06	-22 2.6	1.352	2.293	12.3	20.4
6 10	18 29.51	-23 6.9	2.321	3.304	5.3	20.5	6 10	18 30.55	-21 55.1	1.287	2.275	7.9	20.1
6 20	18 21.35	-22 49.6	2.295	3.307	1.9	20.2	6 20	18 21.91	-21 48.3	1.245	2.258	2.9	19.7
6 30	18 12.82	-22 31.0	2.298	3.311	1.7	20.2	6 30	18 12.31	-21 41.6	1.228	2.242	2.6	19.7
7 10	18 4.75	-22 11.6	2.328	3.314	5.1	20.5	7 10	18 3.15	-21 34.8	1.235	2.226	7.8	19.9
7 20	17 57.83	-21 52.3	2.386	3.318	8.3	20.7	7 20	17 55.74	-21 28.7	1.264	2.211	12.7	20.2
7 30	17 52.64	-21 34.4	2.468	3.321	11.0	20.9	7 30	17 51.10	-21 24.4	1.314	2.197	17.0	20.4
<b>166176</b>	2002 <i>EC</i> <sub>61</sub>		6 25.3	243 <sup>o</sup> 56	4 <sup>o</sup> 3/25.4	17	<b>207192</b>	2005 <i>EB</i> <sub>38</sub>		6 25.3	261 <sup>o</sup> 58	3 <sup>o</sup> 6/25.4	18
5 21	18 45.17	-13 42.0	1.679	2.525	15.5	20.6	5 21	18 41.35	-14 27.6	1.956	2.802	13.6	20.4
5 31	18 39.90	-13 15.9	1.590	2.511	12.2	20.3	5 31	18 36.53	-14 1.7	1.879	2.800	10.6	20.2
6 10	18 32.09	-12 57.5	1.523	2.497	8.4	20.1	6 10	18 29.71	-13 42.0	1.824	2.799	7.2	20.0
6 20	18 22.39	-12 48.2	1.481	2.483	5.1	19.9	6 20	18 21.50	-13 29.6	1.794	2.797	4.2	19.8
6 30	18 11.83	-12 48.6	1.464	2.467	4.9	19.8	6 30	18 12.76	-13 25.0	1.791	2.795	4.1	19.8
7 10	18 1.64	-12 58.8	1.473	2.452	8.3	20.0	7 10	18 4.47	-13 28.2	1.815	2.794	7.0	19.9
7 20	17 52.96	-13 17.8	1.506	2.435	12.3	20.2	7 20	17 57.49	-13 38.6	1.863	2.792	10.4	20.1
7 30	17 46.69	-13 44.2	1.561	2.419	16.1	20.4	7 30	17 52.49	-13 55.2	1.934	2.791	13.5	20.3
<b>35280</b>	1996 <i>SQ</i> <sub>1</sub>		6 25.3	312 <sup>o</sup> 99	2 <sup>o</sup> 4/25.3	18	<b>330847</b>	2009 <i>PZ</i> <sub>4</sub>		6 25.3	291 <sup>o</sup> 83	3 <sup>o</sup> 2/25.4	17
5 21	18 41.44	-18 36.3	1.523	2.390	15.8	19.4	5 21	18 42.53	-16 21.1	1.539	2.400	15.9	20.7
5 31	18 37.32	-18 16.5	1.441	2.376	12.1	19.1	5 31	18 38.23	-16 5.7	1.448	2.380	12.4	20.4
6 10	18 30.56	-18 0.8	1.379	2.363	7.9	18.8	6 10	18 31.24	-15 57.2	1.378	2.359	8.3	20.1
6 20	18 21.87	-17 49.8	1.340	2.350	3.6	18.5	6 20	18 22.17	-15 56.0	1.331	2.338	4.3	19.8
6 30	18 12.33	-17 43.5	1.326	2.337	3.4	18.5	6 30	18 12.09	-16 2.3	1.309	2.318	4.0	19.8
7 10	18 3.25	-17 42.0	1.337	2.325	7.8	18.7	7 10	18 2.33	-16 15.6	1.311	2.297	8.2	20.0
7 20	17 55.81	-17 45.5	1.371	2.313	12.3	18.9	7 20	17 54.13	-16 35.1	1.337	2.277	12.7	20.2
7 30	17 50.94	-17 53.7	1.426	2.302	16.3	19.2	7 30	17 48.52	-16 59.8	1.384	2.257	16.9	20.4
<b>165503</b>	2001 <i>BF</i> <sub>69</sub>		6 25.3	178 <sup>o</sup> 63	1 <sup>o</sup> 2/25.2	17	<b>426455</b>	2013 <i>QH</i> <sub>66</sub>		6 25.3	198 <sup>o</sup> 85	2 <sup>o</sup> 0/25.2	17
5 21	18 47.71	-25 40.0	1.890	2.738	13.9	20.3	5 21	18 47.64	-28 41.6	1.910	2.758	13.8	21.8
5 31	18 41.56	-26 0.2	1.813	2.740	10.6	20.1	5 31	18 41.55	-28 49.1	1.830	2.755	10.6	21.6
6 10	18 32.97	-26 19.9	1.759	2.741	6.7	19.8	6 10	18 32.98	-28 52.8	1.772	2.752	6.8	21.4
6 20	18 22.65	-26 36.3	1.730	2.742	2.6	19.6	6 20	18 22.68	-28 50.2	1.739	2.749	3.0	21.1
6 30	18 11.67	-26 47.2	1.729	2.742	2.5	19.6	6 30	18 11.72	-28 39.4	1.734	2.745	2.9	21.1
7 10	18 1.23	-26 51.8	1.756	2.741	6.6	19.8	7 10	18 1.33	-28 20.7	1.756	2.740	6.7	21.3
7 20	17 52.40	-26 50.7	1.808	2.740	10.5	20.0	7 20	17 52.58	-27 56.0	1.804	2.735	10.5	21.5
7 30	17 45.98	-26 46.0	1.883	2.738	13.9	20.3	7 30	17 46.28	-27 28.2	1.875	2.730	13.9	21.7
<b>205059</b>	1999 <i>JA</i> <sub>128</sub>		6 25.3	96 <sup>o</sup> 80	3 <sup>o</sup> 3/25.3	18	<b>12412</b>	<i>Muchisachie</i>		6 25.3	282 <sup>o</sup> 41	4 <sup>o</sup> 5/25.6	18
5 21	18 47.23	-17 7.0	1.466	2.323	16.8	20.2	5 21	18 42.77	-13 0.2	1.540	2.394	16.3	17.7
5 31	18 41.31	-16 34.9	1.410	2.339	12.8	19.9	5 31	18 38.34	-12 44.7	1.452	2.377	12.8	17.4
6 10	18 32.77	-16 8.5	1.375	2.355	8.4	19.7	6 10	18 31.27	-12 39.5	1.385	2.360	8.9	17.2
6 20	18 22.54	-15 48.6	1.364	2.371	4.3	19.5	6 20	18 22.17	-12 45.7	1.341	2.343	5.4	16.9
6 30	18 11.85	-15 35.7	1.378	2.387	4.1	19.6	6 30	18 12.11	-13 3.7	1.322	2.326	5.1	16.9
7 10	18 2.04	-15 30.1	1.418	2.402	8.0	19.8	7 10	18 2.39	-13 32.5	1.327	2.309	8.6	17.0
7 20	17 54.18	-15 31.5	1.482	2.417	12.1	20.1	7 20	17 54.22	-14 10.0	1.356	2.292	12.9	17.2
7 30	17 49.00	-15 39.5	1.567	2.432	15.7	20.4	7 30	17 48.59	-14 54.1	1.406	2.275	16.9	17.4
<b>205918</b>	2002 <i>GM</i> <sub>136</sub>		6 25.3	72 <sup>o</sup> 59	0 <sup>o</sup> 5/25.2	17	<b>311342</b>	2005 <i>QW</i> <sub>78</sub>		6 25.3	213 <sup>o</sup> 78	1 <sup>o</sup> 7/25.1	18
5 21	18 46.22	-24 19.6	1.384	2.253	16.9	20.8	5 21	18 42.53	-28 48.3	2.734	3.573	10.4	21.6
5 31	18 40.99	-24 22.2	1.323	2.260	12.8	20.5	5 31	18 37.07	-29 2.2	2.646	3.567	7.9	21.4
6 10	18 32.81	-24 24.8	1.281	2.268	8.0	20.3	6 10	18 29.91	-29 13.5	2.582	3.560	5.1	21.2
6 20	18 22.61	-24 25.3	1.263	2.275	2.8	20.0	6 20	18 21.56	-29 20.4	2.545	3.553	2.4	21.0
6 30	18 11.75	-24 22.0	1.269	2.283	2.6	20.0	6 30	18 12.74	-29 21.6	2.537	3.546	2.3	21.0
7 10	18 1.73	-24 14.9	1.301	2.291	7.7	20.3	7 10	18 4.25	-29 16.7	2.557	3.538	5.1	21.2
7 20	17 53.82	-24 5.4	1.356	2.298	12.3	20.6	7 20	17 56.82	-29 6.6	2.605	3.530	7.9	21.4
7 30	17 48.86	-23 55.5	1.431	2.306	16.3	20.9							



EPHEMERIDES

6 25.3

6 25.3

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>251501</b>	2008 <i>EU</i> <sub>125</sub>		6 25.3 286°34	2°0/25.4	17		<b>214153</b>	2005 <i>BU</i> <sub>28</sub>		6 25.3 49°48	3°4/25.1	17	
5 21	18 40.38	-18 0.2	2.254	3.100	12.1	20.8	5 21	18 46.90	-29 10.1	1.211	2.086	18.4	20.2
5 31	18 35.59	-17 45.5	2.175	3.100	9.2	20.7	5 31	18 41.89	-29 43.5	1.162	2.102	14.0	19.9
6 10	18 29.03	-17 34.4	2.120	3.100	6.0	20.5	6 10	18 33.54	-30 12.8	1.133	2.118	9.1	19.7
6 20	18 21.26	-17 26.8	2.091	3.099	2.8	20.3	6 20	18 22.92	-30 32.9	1.125	2.134	4.5	19.5
6 30	18 13.04	-17 22.6	2.089	3.099	2.6	20.2	6 30	18 11.67	-30 40.1	1.142	2.151	4.4	19.5
7 10	18 5.23	-17 22.0	2.115	3.098	5.7	20.4	7 10	18 1.55	-30 34.4	1.182	2.169	8.8	19.8
7 20	17 58.56	-17 24.6	2.166	3.098	9.0	20.6	7 20	17 53.93	-30 18.4	1.244	2.186	13.2	20.1
7 30	17 53.65	-17 30.5	2.242	3.098	11.9	20.8	7 30	17 49.66	-29 56.5	1.326	2.204	17.1	20.4
<b>380262</b>	2001 <i>XV</i> <sub>262</sub>		6 25.3 221°83	0°6/25.3	18		<b>459085</b>	2012 <i>BU</i> <sub>63</sub>		6 25.3 62°95	2°2/25.5	17	
5 21	18 44.91	-21 37.7	2.097	2.943	12.9	22.4	5 21	18 45.34	-18 6.2	1.321	2.188	17.6	21.2
5 31	18 39.27	-21 36.8	2.008	2.934	9.8	22.2	5 31	18 40.21	-18 3.7	1.269	2.205	13.4	21.0
6 10	18 31.49	-21 37.5	1.942	2.925	6.2	22.0	6 10	18 32.26	-18 8.1	1.237	2.221	8.6	20.8
6 20	18 22.17	-21 38.7	1.903	2.915	2.3	21.7	6 20	18 22.44	-18 18.4	1.228	2.238	3.7	20.5
6 30	18 12.20	-21 39.5	1.891	2.904	2.0	21.6	6 30	18 12.09	-18 33.3	1.243	2.255	3.3	20.6
7 10	18 2.62	-21 39.5	1.907	2.893	6.0	21.9	7 10	18 2.66	-18 51.4	1.283	2.272	7.9	20.9
7 20	17 54.34	-21 39.1	1.949	2.882	9.8	22.1	7 20	17 55.29	-19 11.6	1.346	2.289	12.4	21.2
7 30	17 48.11	-21 39.1	2.015	2.869	13.1	22.3	7 30	17 50.78	-19 33.4	1.430	2.306	16.2	21.5
<b>309073</b>	2006 <i>VP</i> <sub>22</sub>		6 25.3 49°12	4°9/24.2	18		<b>306959</b>	2001 <i>UE</i> <sub>219</sub>		6 25.3 219°62	0°1/25.3	18	
5 21	18 45.14	-34 14.3	2.133	2.974	12.8	20.6	5 21	18 45.35	-23 34.1	2.033	2.881	13.1	21.6
5 31	18 39.73	-35 25.2	2.060	2.976	10.1	20.4	5 31	18 39.68	-23 35.6	1.946	2.873	10.0	21.4
6 10	18 31.92	-36 31.7	2.010	2.977	7.2	20.2	6 10	18 31.78	-23 37.4	1.883	2.865	6.3	21.1
6 20	18 22.35	-37 28.7	1.986	2.979	5.1	20.1	6 20	18 22.30	-23 38.0	1.845	2.857	2.2	20.9
6 30	18 12.03	-38 11.8	1.990	2.980	5.4	20.1	6 30	18 12.15	-23 36.2	1.835	2.848	2.0	20.8
7 10	18 2.12	-38 39.0	2.020	2.982	7.7	20.2	7 10	18 2.43	-23 31.8	1.852	2.839	6.1	21.1
7 20	17 53.68	-38 51.0	2.075	2.983	10.5	20.4	7 20	17 54.10	-23 25.4	1.896	2.829	10.0	21.3
7 30	17 47.56	-38 50.6	2.152	2.985	13.1	20.6	7 30	17 47.92	-23 18.4	1.962	2.818	13.3	21.5
<b>448039</b>	2008 <i>ER</i> <sub>143</sub>		6 25.3 4°28	5°1/23.8	17		<b>41617</b>	2000 <i>SK</i> <sub>151</sub>		6 25.3 242°89	0°3/25.3	18	
5 21	18 41.29	-30 7.1	1.551	2.420	15.4	19.7	5 21	18 46.39	-23 29.6	1.593	2.453	15.5	19.5
5 31	18 37.50	-31 45.9	1.485	2.420	11.9	19.5	5 31	18 41.09	-23 38.7	1.510	2.443	11.9	19.3
6 10	18 30.86	-33 25.0	1.442	2.421	8.2	19.3	6 10	18 32.98	-23 49.4	1.449	2.434	7.5	19.0
6 20	18 22.06	-34 56.9	1.422	2.423	5.4	19.1	6 20	18 22.79	-23 59.2	1.411	2.424	2.7	18.7
6 30	18 12.28	-36 14.5	1.428	2.427	5.9	19.2	6 30	18 11.69	-24 6.1	1.399	2.413	2.4	18.6
7 10	18 3.01	-37 13.4	1.459	2.432	9.0	19.4	7 10	18 1.08	-24 9.2	1.414	2.402	7.4	18.9
7 20	17 55.54	-37 53.1	1.513	2.437	12.6	19.6	7 20	17 52.22	-24 9.1	1.453	2.391	12.0	19.1
7 30	17 50.92	-38 16.0	1.587	2.444	15.9	19.8	7 30	17 46.10	-24 7.4	1.513	2.380	16.0	19.3
<b>386707</b>	2009 <i>WK</i> <sub>123</sub>		6 25.3 84°04	4°5/24.2	17		<b>400485</b>	2008 <i>HX</i> <sub>8</sub>		6 25.3 186°92	1°1/25.5	18	
5 21	18 47.16	-30 32.8	1.705	2.559	14.9	21.0	5 21	18 40.73	-18 9.6	2.705	3.542	10.5	21.5
5 31	18 41.70	-31 54.4	1.636	2.562	11.5	20.8	5 31	18 35.64	-18 27.6	2.621	3.542	8.0	21.3
6 10	18 33.37	-33 14.8	1.589	2.566	7.9	20.6	6 10	18 28.99	-18 49.7	2.562	3.541	5.1	21.1
6 20	18 22.92	-34 27.3	1.568	2.569	4.9	20.4	6 20	18 21.26	-19 14.9	2.530	3.540	2.1	20.9
6 30	18 11.54	-35 25.8	1.573	2.572	5.3	20.5	6 30	18 13.10	-19 42.0	2.526	3.538	1.9	20.9
7 10	18 0.67	-36 7.3	1.604	2.576	8.4	20.7	7 10	18 5.22	-20 9.9	2.552	3.537	4.8	21.1
7 20	17 51.62	-36 31.9	1.659	2.579	12.0	20.9	7 20	17 58.29	-20 37.7	2.605	3.535	7.8	21.3
7 30	17 45.37	-36 42.7	1.736	2.583	15.2	21.1	7 30	17 52.85	-21 4.9	2.683	3.533	10.4	21.4
<b>387036</b>	2012 <i>SU</i> <sub>53</sub>		6 25.3 246°46	1°4/25.4	18		<b>147853</b>	2005 <i>UT</i> <sub>178</sub>		6 25.3 293°77	0°9/25.4	18	
5 21	18 42.81	-19 49.4	1.912	2.765	13.6	21.4	5 21	18 40.34	-20 33.8	2.190	3.041	12.2	20.1
5 31	18 37.80	-19 41.9	1.831	2.760	10.4	21.2	5 31	18 35.76	-20 35.4	2.102	3.031	9.3	19.9
6 10	18 30.61	-19 37.4	1.772	2.755	6.6	20.9	6 10	18 29.26	-20 39.7	2.038	3.020	5.9	19.7
6 20	18 21.87	-19 35.3	1.738	2.749	2.7	20.7	6 20	18 21.40	-20 45.8	1.998	3.010	2.2	19.5
6 30	18 12.51	-19 35.3	1.732	2.744	2.5	20.7	6 30	18 12.97	-20 52.9	1.987	3.000	2.0	19.4
7 10	18 3.60	-19 37.0	1.752	2.739	6.4	20.9	7 10	18 4.87	-21 0.4	2.002	2.990	5.7	19.6
7 20	17 56.08	-19 40.4	1.797	2.733	10.3	21.1	7 20	17 57.92	-21 8.3	2.044	2.979	9.2	19.8
7 30	17 50.70	-19 45.8	1.865	2.727	13.7	21.3	7 30	17 52.82	-21 16.7	2.109	2.970	12.4	20.0
<b>432026</b>	2008 <i>WE</i> <sub>21</sub>		6 25.3 271°29	2°1/24.9	17		<b>149166</b>	2002 <i>GL</i> <sub>91</sub>		6 25.3 243°61	5°9/24.3	18	
5 21	18 44.02	-26 50.7	1.866	2.722	13.8	20.9	5 21	18 46.79	-42 13.0	2.740	3.551	11.2	20.7
5 31	18 39.01	-27 27.2	1.783	2.713	10.5	20.7	5 31	18 40.72	-43 1.6	2.650	3.537	9.2	20.6
6 10	18 31.53	-28 3.8	1.722	2.705	6.8	20.4	6 10	18 32.44	-43 41.5	2.584	3.523	7.3	20.4
6 20	18 22.24	-28 37.0	1.687	2.697	3.0	20.2	6 20	18 22.55	-44 8.4	2.543	3.508	6.1	20.3
6 30	18 12.15	-29 3.7	1.678	2.688	3.0	20.2	6 30	18 11.94	-44 19.1	2.528	3.493	6.2	20.3
7 10	18 2.46	-29 22.0	1.696	2.680	6.9	20.4	7 10	18 1.68	-44 12.9	2.541	3.478	7.6	20.4
7 20	17 54.28	-29 32.1	1.739	2.672	10.7	20.6	7 20	17 52.71	-43 51.2	2.579	3.462	9.7	20.5
7 30	17 48.48	-29 35.7	1.804	2.663	14.2	20.8	7 30	17 45.84	-43 17.3	2.640	3.446	11.7	20.6
<b>473730</b>	2016 <i>CG</i> <sub>123</sub>		6 25.3 103°26	0°2/25.3	17		<b>137797</b>	1999 <i>XS</i> <sub>255</sub>		6 25.3 221°76	0°3/25.3	18	
5 21	18 48.74	-23 40.8	1.413	2.276	17.0	21.6	5 21	18 45.78	-20 53.6	1.813	2.665	14.3	20.5
5 31	18 42.73	-23 31.5	1.355	2.289	12.8	21.4	5 31	18 40.30	-21 20.6	1.729	2.658	10.9	20.3
6 10	18 33.82	-23 22.1	1.317	2.302	8.0	21.2	6 10	18 32.34	-21 52.4	1.668	2.651	6.9	20.0
6 20	18 22.98	-23 11.0	1.303	2.315	2.8	20.9	6 20	18 22.56	-22 26.5	1.631	2.643	2.5	19.7
6 30	18 11.59	-22 57.5	1.314	2.328	2.5	20.9	6 30	18 11.95	-23 0.3	1.622	2.635	2.2	19.7
7 10	18 1.15	-22 42.1	1.351	2.340	7.6	21.2	7 10	18 1.73	-23 31.6	1.639	2.627	6.7	20.0
7 20	17 52.85	-22 26.5	1.411	2.352	12.1	21.5	7 20	17 53.01	-23 59.6	1.683	2.618	10.9	20.2
7 30	17 47.49	-22 12.6	1.493	2.363	16.0	21.8	7 30	17 46.66	-24 24.3	1.748	2.609	14.5	20.4
<b>478354</b>	2011 <i>WY</i> <sub>150</sub>		6 25.3 284°78	9°8/25.6	18	</							

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>393935</b>	2005 <i>UJ</i> <sub>128</sub>		6 25.3 344°60	3°2/25.3	17		<b>235755</b>	2004 <i>US</i> <sub>8</sub>		6 25.3 277°81	7°1/23.9	18	
5 21	18 40.01	-15 13.4	2.205	3.048	12.4	21.2	5 21	18 48.03	-38 35.7	1.848	2.686	14.6	19.8
5 31	18 35.33	-14 42.0	2.127	3.047	9.6	21.0	5 31	18 42.65	-39 48.4	1.761	2.670	11.9	19.6
6 10	18 28.89	-14 15.3	2.072	3.046	6.5	20.8	6 10	18 34.19	-40 54.0	1.696	2.653	9.2	19.4
6 20	18 21.25	-13 54.4	2.042	3.045	3.8	20.6	6 20	18 23.32	-41 45.6	1.656	2.636	7.3	19.2
6 30	18 13.18	-13 39.9	2.040	3.044	3.7	20.6	6 30	18 11.25	-42 17.0	1.641	2.620	7.6	19.2
7 10	18 5.51	-13 32.3	2.065	3.044	6.3	20.8	7 10	17 59.55	-42 25.8	1.650	2.603	9.8	19.3
7 20	17 58.99	-13 31.4	2.116	3.043	9.4	21.0	7 20	17 49.67	-42 13.6	1.684	2.586	12.9	19.5
7 30	17 54.22	-13 36.8	2.190	3.043	12.3	21.2	7 30	17 42.75	-41 45.3	1.738	2.569	15.9	19.6
<b>250807</b>	2005 <i>UW</i> <sub>33</sub>		6 25.3 350°97	1°7/25.1	18		<b>256824</b>	2008 <i>CH</i> <sub>141</sub>		6 25.3 134°28	0°5/25.3	17	
5 21	18 40.25	-26 22.8	1.769	2.634	14.0	20.2	5 21	18 46.78	-22 0.9	1.768	2.620	14.6	21.2
5 31	18 36.19	-26 49.8	1.693	2.629	10.6	20.0	5 31	18 40.83	-21 59.2	1.701	2.630	11.0	21.0
6 10	18 29.76	-27 16.6	1.639	2.624	6.8	19.8	6 10	18 32.49	-21 59.1	1.656	2.639	6.9	20.8
6 20	18 21.63	-27 40.5	1.610	2.621	2.8	19.5	6 20	18 22.55	-21 59.1	1.636	2.648	2.5	20.6
6 30	18 12.81	-27 58.7	1.606	2.618	2.8	19.5	6 30	18 12.08	-21 58.4	1.644	2.657	2.2	20.6
7 10	18 4.47	-28 10.2	1.628	2.615	6.7	19.8	7 10	18 2.27	-21 56.6	1.678	2.665	6.6	20.9
7 20	17 57.65	-28 15.1	1.674	2.613	10.6	20.0	7 20	17 54.13	-21 54.4	1.737	2.673	10.6	21.1
7 30	17 53.17	-28 15.0	1.742	2.612	14.1	20.2	7 30	17 48.41	-21 52.8	1.819	2.680	14.0	21.3
<b>325789</b>	2010 <i>QD</i> <sub>1</sub>		6 25.3 247°19	0°9/25.2	17		<b>519200</b>	2010 <i>PR</i> <sub>81</sub>		6 25.3 244°24	6°7/24.6	18	
5 21	18 47.42	-25 11.4	1.730	2.584	14.8	21.9	5 21	18 48.32	-45 8.6	2.693	3.493	11.6	22.2
5 31	18 41.79	-25 19.3	1.639	2.568	11.3	21.6	5 31	18 41.95	-45 51.0	2.605	3.480	9.8	22.0
6 10	18 33.41	-25 26.8	1.569	2.552	7.2	21.3	6 10	18 33.24	-46 22.5	2.540	3.467	8.0	21.9
6 20	18 22.97	-25 31.3	1.523	2.536	2.7	21.0	6 20	18 22.84	-46 38.6	2.500	3.454	6.8	21.8
6 30	18 11.57	-25 30.9	1.505	2.518	2.5	21.0	6 30	18 11.76	-46 36.1	2.486	3.440	6.9	21.8
7 10	18 0.57	-25 25.0	1.513	2.500	7.2	21.2	7 10	18 1.13	-46 14.8	2.499	3.426	8.2	21.8
7 20	17 51.21	-25 14.6	1.546	2.482	11.6	21.4	7 20	17 51.98	-45 36.7	2.536	3.412	10.1	21.9
7 30	17 44.46	-25 2.1	1.602	2.463	15.5	21.6	7 30	17 45.09	-44 46.1	2.596	3.397	12.1	22.1
<b>400955</b>	2010 <i>VG</i> <sub>142</sub>		6 25.3 265°81	2°4/25.5	18		<b>141086</b>	2001 <i>XQ</i> <sub>36</sub>		6 25.3 257°30	4°8/24.6	18	
5 21	18 39.60	-15 52.0	2.500	3.340	11.2	21.6	5 21	18 44.99	-35 44.4	2.272	3.109	12.3	20.0
5 31	18 34.95	-15 43.2	2.407	3.326	8.7	21.4	5 31	18 39.55	-36 31.6	2.187	3.099	9.7	19.8
6 10	18 28.66	-15 39.1	2.337	3.313	5.8	21.2	6 10	18 31.80	-37 12.9	2.125	3.090	7.1	19.6
6 20	18 21.19	-15 39.9	2.294	3.300	3.0	21.0	6 20	18 22.36	-37 44.2	2.089	3.080	5.0	19.5
6 30	18 13.22	-15 45.5	2.279	3.286	2.8	21.0	6 30	18 12.18	-38 1.9	2.079	3.070	5.2	19.5
7 10	18 5.51	-15 55.4	2.291	3.273	5.6	21.1	7 10	18 2.38	-38 5.0	2.097	3.060	7.3	19.6
7 20	17 58.76	-16 9.2	2.331	3.259	8.6	21.3	7 20	17 53.98	-37 54.6	2.140	3.050	10.1	19.7
7 30	17 53.57	-16 26.3	2.394	3.245	11.4	21.5	7 30	17 47.79	-37 33.9	2.205	3.040	12.8	19.9
<b>512921</b>	2016 <i>XJ</i> <sub>10</sub>		6 25.3 281°77	2°2/25.1	18		<b>398586</b>	2011 <i>WU</i> <sub>64</sub>		6 25.3 170°20	2°1/24.9	18	
5 21	18 41.18	-18 51.6	2.323	3.168	11.8	21.0	5 21	18 42.59	-28 33.3	2.548	3.390	11.0	21.1
5 31	18 36.23	-18 13.7	2.230	3.154	9.0	20.7	5 31	18 37.27	-29 9.7	2.469	3.392	8.3	20.9
6 10	18 29.48	-17 36.9	2.161	3.140	5.9	20.5	6 10	18 30.12	-29 44.5	2.415	3.393	5.4	20.7
6 20	18 21.48	-17 2.0	2.118	3.126	2.9	20.3	6 20	18 21.71	-30 15.1	2.387	3.394	2.7	20.5
6 30	18 12.97	-16 30.0	2.103	3.112	2.8	20.3	6 30	18 12.79	-30 39.2	2.388	3.395	2.7	20.5
7 10	18 4.81	-16 2.0	2.116	3.098	5.9	20.5	7 10	18 4.22	-30 55.8	2.417	3.396	5.5	20.7
7 20	17 57.74	-15 39.0	2.156	3.084	9.2	20.6	7 20	17 56.78	-31 5.2	2.473	3.397	8.4	20.9
7 30	17 52.42	-15 21.6	2.219	3.070	12.2	20.8	7 30	17 51.10	-31 8.4	2.553	3.397	11.0	21.1
<b>355234</b>	2007 <i>BA</i> <sub>100</sub>		6 25.3 8°80	2°6/25.3	18		<b>479106</b>	2013 <i>AE</i> <sub>163</sub>		6 25.3 158°53	2°8/25.3	17	
5 21	18 42.97	-31 19.4	2.154	3.002	12.5	20.4	5 21	18 41.48	-15 54.8	2.459	3.295	11.5	22.4
5 31	18 37.80	-31 25.3	2.078	3.002	9.6	20.2	5 31	18 36.22	-15 22.9	2.382	3.299	8.8	22.3
6 10	18 30.53	-31 26.0	2.025	3.003	6.3	20.0	6 10	18 29.35	-14 54.6	2.328	3.302	5.9	22.1
6 20	18 21.85	-31 19.1	1.997	3.003	3.3	19.8	6 20	18 21.41	-14 30.8	2.302	3.305	3.3	21.9
6 30	18 12.68	-31 3.4	1.997	3.004	3.2	19.8	6 30	18 13.10	-14 12.2	2.304	3.308	3.2	21.9
7 10	18 4.05	-30 39.4	2.024	3.005	6.2	20.0	7 10	18 5.20	-13 59.3	2.334	3.311	5.8	22.1
7 20	17 56.84	-30 8.9	2.076	3.007	9.4	20.2	7 20	17 58.38	-13 52.1	2.390	3.314	8.6	22.3
7 30	17 51.74	-29 34.8	2.152	3.008	12.3	20.4	7 30	17 53.18	-13 50.6	2.470	3.316	11.3	22.5
<b>346486</b>	2008 <i>UE</i> <sub>40</sub>		6 25.3 283°72	0°6/25.2	17		<b>254347</b>	2004 <i>TA</i> <sub>27</sub>		6 25.3 271°93	3°5/25.5	18	
5 21	18 43.32	-24 29.3	1.800	2.658	14.1	21.2	5 21	18 39.21	-12 56.0	2.386	3.222	11.8	20.4
5 31	18 38.48	-24 37.7	1.716	2.649	10.7	21.0	5 31	18 34.65	-12 34.4	2.303	3.217	9.2	20.3
6 10	18 31.20	-24 46.4	1.654	2.639	6.8	20.7	6 10	18 28.44	-12 19.1	2.244	3.213	6.4	20.1
6 20	18 22.15	-24 53.3	1.617	2.630	2.5	20.4	6 20	18 21.12	-12 11.0	2.210	3.209	4.0	19.9
6 30	18 12.36	-24 57.0	1.606	2.620	2.2	20.4	6 30	18 13.35	-12 10.4	2.204	3.204	3.9	19.9
7 10	18 3.02	-24 56.6	1.622	2.610	6.7	20.6	7 10	18 5.91	-12 17.3	2.225	3.200	6.2	20.0
7 20	17 55.19	-24 53.0	1.663	2.601	10.8	20.9	7 20	17 59.49	-12 30.9	2.272	3.196	9.0	20.2
7 30	17 49.73	-24 47.5	1.725	2.592	14.4	21.1	7 30	17 54.67	-12 50.2	2.342	3.191	11.7	20.4
<b>91108</b>	1998 <i>HX</i> <sub>37</sub>		6 25.3 186°05	6°9/24.6	18		<b>478738</b>	2012 <i>UE</i> <sub>73</sub>		6 25.3 266°44	1°7/25.4	17	
5 21	18 50.82	-41 50.9	2.191	3.008	13.4	19.5	5 21	18 42.77	-18 59.6	2.011	2.860	13.2	22.4
5 31	18 44.14	-42 46.5	2.116	3.008	11.0	19.3	5 31	18 37.81	-18 51.1	1.916	2.843	10.1	22.1
6 10	18 34.74	-43 31.5	2.064	3.007	8.7	19.2	6 10	18 30.69	-18 46.0	1.845	2.826	6.5	21.9
6 20	18 23.39	-44 0.3	2.037	3.006	7.1	19.1	6 20	18 21.98	-18 44.0	1.799	2.809	2.8	21.6
6 30	18 11.27	-44 8.8	2.036	3.005	7.2	19.1	6 30	18 12.54	-18 44.7	1.780	2.791	2.6	21.6
7 10	17 59.75	-43 56.5	2.061	3.003	8.8	19.2	7 10	18 3.42	-18 47.8	1.788	2.773	6.4	21.8
7 20	17 50.02	-43 26.0	2.111	3.000	11.2	19.3	7 20	17 55.55	-18 53.3	1.821	2.755	10.3	22.0
7 30	17 42.98	-42 42.5	2.183	2.997	13.6	19.5	7 30	17 49.72	-19 1.2	1.878	2.737	13.7	22.1
<b>221955</b>	1995 <i>CD</i> <sub>8</sub>		6 25.3 251°66	0°8/25.3	18	</							

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>102147</b>	1999 <i>RC</i> <sub>192</sub>		6 25.3 199°64	0°9/25.3	18		<b>6520</b>	Sugawa		6 25.3 341°01	3°3/25.2	18	
5 21	18 47.15	-21 57.7	1.877	2.725	14.0	19.9	5 21	18 38.31	-19 40.9	1.066	1.959	19.0	16.3
5 31	18 41.12	-21 40.1	1.795	2.722	10.7	19.7	5 31	18 35.85	-18 55.4	0.995	1.945	14.7	16.0
6 10	18 32.73	-21 22.8	1.736	2.718	6.8	19.5	6 10	18 30.12	-18 11.9	0.943	1.932	9.6	15.6
6 20	18 22.68	-21 5.3	1.702	2.714	2.5	19.2	6 20	18 21.93	-17 32.6	0.910	1.921	4.5	15.3
6 30	18 12.00	-20 47.3	1.696	2.709	2.3	19.2	6 30	18 12.69	-16 59.7	0.899	1.911	4.4	15.3
7 10	18 1.85	-20 29.6	1.717	2.703	6.6	19.4	7 10	18 4.13	-16 35.4	0.910	1.902	9.6	15.5
7 20	17 53.24	-20 13.1	1.764	2.697	10.6	19.7	7 20	17 57.75	-16 21.0	0.940	1.895	15.0	15.8
7 30	17 46.96	-19 59.4	1.834	2.691	14.1	19.9	7 30	17 54.64	-16 16.6	0.989	1.890	19.7	16.0
<b>12174</b>	van het Reve		6 25.3 260°22	7°2/25.4	18		<b>356775</b>	2011 <i>UL</i> <sub>281</sub>		6 25.3 106°97	3°1/25.2	18	
5 21	18 41.15	- 5 33.2	1.973	2.794	14.5	18.0	5 21	18 41.44	-15 7.3	2.504	3.338	11.4	20.8
5 31	18 36.45	- 4 41.2	1.889	2.784	11.9	17.8	5 31	18 36.10	-14 26.4	2.435	3.350	8.8	20.7
6 10	18 29.76	- 4 0.7	1.827	2.773	9.4	17.6	6 10	18 29.23	-13 49.5	2.391	3.362	6.0	20.5
6 20	18 21.64	- 3 34.8	1.789	2.762	7.5	17.5	6 20	18 21.38	-13 17.7	2.373	3.374	3.6	20.4
6 30	18 12.92	- 3 25.8	1.776	2.751	7.5	17.5	6 30	18 13.25	-12 52.0	2.384	3.386	3.5	20.4
7 10	18 4.54	- 3 34.1	1.789	2.740	9.3	17.6	7 10	18 5.58	-12 33.0	2.423	3.398	5.8	20.5
7 20	17 57.36	- 3 58.4	1.825	2.729	11.9	17.7	7 20	17 58.98	-12 21.0	2.489	3.409	8.5	20.7
7 30	17 52.09	- 4 36.0	1.883	2.718	14.7	17.9	7 30	17 53.97	-12 15.6	2.579	3.420	11.0	20.9
<b>272210</b>	2005 <i>QC</i> <sub>31</sub>		6 25.3 317°34	1°3/25.1	18		<b>71641</b>	2000 <i>ER</i> <sub>96</sub>		6 25.3 228°16	2°6/24.9	18	
5 21	18 38.47	-26 12.2	2.621	3.470	10.5	20.3	5 21	18 44.95	-29 45.9	2.387	3.227	11.7	19.5
5 31	18 34.24	-26 39.5	2.524	3.451	8.0	20.1	5 31	18 39.30	-30 21.3	2.296	3.217	9.0	19.3
6 10	18 28.30	-27 6.9	2.451	3.433	5.1	19.8	6 10	18 31.56	-30 54.6	2.230	3.207	5.9	19.1
6 20	18 21.12	-27 32.6	2.405	3.415	2.1	19.6	6 20	18 22.30	-31 22.5	2.190	3.196	3.2	18.9
6 30	18 13.38	-27 54.7	2.386	3.398	2.1	19.6	6 30	18 12.37	-31 42.5	2.178	3.184	3.2	18.9
7 10	18 5.85	-28 12.1	2.396	3.380	5.1	19.8	7 10	18 2.74	-31 53.4	2.195	3.172	6.1	19.1
7 20	17 59.27	-28 24.6	2.432	3.363	8.2	19.9	7 20	17 54.33	-31 55.6	2.238	3.160	9.2	19.3
7 30	17 54.28	-28 32.7	2.492	3.346	10.9	20.1	7 30	17 47.89	-31 50.9	2.304	3.147	12.1	19.4
<b>369514</b>	2010 <i>VA</i> <sub>168</sub>		6 25.3 239°25	3°5/25.1	17		<b>373546</b>	2001 <i>UP</i> <sub>97</sub>		6 25.3 232°61	4°1/24.7	17	
5 21	18 48.43	-31 3.7	1.766	2.616	14.7	22.1	5 21	18 47.22	-31 39.7	1.862	2.711	14.1	21.3
5 31	18 42.62	-31 30.4	1.680	2.605	11.4	21.9	5 31	18 41.62	-32 31.4	1.780	2.703	11.0	21.1
6 10	18 33.97	-31 52.8	1.615	2.593	7.7	21.7	6 10	18 33.31	-33 19.9	1.721	2.696	7.5	20.9
6 20	18 23.21	-32 6.5	1.575	2.581	4.2	21.4	6 20	18 22.98	-34 0.2	1.687	2.688	4.6	20.7
6 30	18 11.52	-32 8.2	1.561	2.568	4.2	21.4	6 30	18 11.75	-34 28.0	1.679	2.680	4.7	20.7
7 10	18 0.32	-31 57.1	1.574	2.554	7.7	21.6	7 10	18 0.96	-34 41.4	1.698	2.672	7.8	20.8
7 20	17 50.89	-31 35.2	1.612	2.541	11.7	21.8	7 20	17 51.82	-34 41.3	1.741	2.664	11.4	21.0
7 30	17 44.21	-31 6.3	1.671	2.527	15.3	22.0	7 30	17 45.30	-34 31.0	1.807	2.655	14.6	21.2
<b>511055</b>	2013 <i>SP</i> <sub>29</sub>		6 25.3 283°80	1°5/25.3	17		<b>218933</b>	2008 <i>CY</i> <sub>16</sub>		6 25.3 355°21	1°4/25.4	17	
5 21	18 45.92	-26 48.6	1.629	2.489	15.2	21.7	5 21	18 39.95	-20 15.3	1.173	2.058	18.2	20.1
5 31	18 40.97	-26 54.1	1.531	2.464	11.7	21.4	5 31	18 36.81	-20 15.5	1.107	2.053	13.9	19.8
6 10	18 33.10	-26 57.6	1.454	2.439	7.6	21.1	6 10	18 30.57	-20 21.2	1.060	2.050	8.8	19.5
6 20	18 22.96	-26 56.3	1.402	2.413	3.0	20.8	6 20	18 22.05	-20 31.5	1.035	2.047	3.4	19.2
6 30	18 11.69	-26 48.0	1.375	2.387	2.8	20.7	6 30	18 12.62	-20 44.8	1.032	2.046	3.0	19.1
7 10	18 0.74	-26 32.2	1.374	2.361	7.7	20.9	7 10	18 3.91	-20 59.7	1.052	2.045	8.4	19.4
7 20	17 51.47	-26 10.7	1.397	2.335	12.4	21.1	7 20	17 57.28	-21 15.5	1.093	2.046	13.6	19.7
7 30	17 44.97	-25 46.3	1.441	2.309	16.6	21.3	7 30	17 53.75	-21 32.0	1.154	2.048	18.0	20.0
<b>46166</b>	2001 <i>FF</i> <sub>82</sub>		6 25.3 11°09	3°5/25.2	18		<b>346783</b>	2009 <i>BU</i> <sub>128</sub>		6 25.3 106°92	1°4/25.1	18	
5 21	18 41.39	-16 56.4	1.602	2.464	15.4	18.5	5 21	18 43.46	-25 52.1	2.078	2.928	12.8	21.0
5 31	18 36.96	-16 12.2	1.534	2.465	11.8	18.3	5 31	18 38.20	-26 20.2	2.006	2.934	9.6	20.8
6 10	18 30.17	-15 32.5	1.487	2.467	7.9	18.1	6 10	18 30.84	-26 48.1	1.957	2.940	6.1	20.6
6 20	18 21.79	-14 58.8	1.463	2.469	4.3	17.9	6 20	18 22.03	-27 13.2	1.934	2.945	2.5	20.3
6 30	18 12.86	-14 32.7	1.465	2.472	4.2	17.9	6 30	18 12.67	-27 33.2	1.939	2.951	2.4	20.4
7 10	18 4.55	-14 15.2	1.493	2.476	7.7	18.1	7 10	18 3.79	-27 47.1	1.971	2.956	6.0	20.6
7 20	17 57.84	-14 6.6	1.543	2.480	11.6	18.3	7 20	17 56.30	-27 55.2	2.029	2.961	9.5	20.8
7 30	17 53.48	-14 6.4	1.616	2.484	15.1	18.6	7 30	17 50.90	-27 58.7	2.110	2.967	12.5	21.0
<b>333254</b>	2012 <i>JQ</i> <sub>6</sub>		6 25.3 322°64	2°0/25.3	17		<b>258952</b>	2002 <i>RS</i> <sub>221</sub>		6 25.3 308°45	1°6/25.1	17	
5 21	18 44.12	-19 50.8	1.557	2.418	15.7	20.9	5 21	18 42.76	-24 56.5	1.330	2.207	17.0	20.0
5 31	18 39.19	-19 27.0	1.484	2.417	12.0	20.7	5 31	18 39.15	-25 24.7	1.240	2.182	13.1	19.7
6 10	18 31.68	-19 5.9	1.432	2.416	7.7	20.4	6 10	18 32.28	-25 56.0	1.169	2.157	8.4	19.4
6 20	18 22.35	-18 47.7	1.404	2.414	3.3	20.2	6 20	18 22.77	-26 26.6	1.121	2.133	3.3	19.0
6 30	18 12.35	-18 32.6	1.401	2.413	3.1	20.2	6 30	18 11.88	-26 52.4	1.096	2.109	3.2	18.9
7 10	18 2.96	-18 21.1	1.424	2.412	7.5	20.4	7 10	18 1.26	-27 10.9	1.095	2.085	8.7	19.2
7 20	17 55.31	-18 13.9	1.471	2.411	11.8	20.7	7 20	17 52.54	-27 21.6	1.116	2.062	14.0	19.4
7 30	17 50.23	-18 11.4	1.539	2.410	15.6	20.9	7 30	17 47.01	-27 26.4	1.156	2.040	18.7	19.6
<b>19216</b>	1993 <i>FA</i> <sub>37</sub>		6 25.3 215°05	1°4/25.4	18		<b>151767</b>	2003 <i>EY</i> <sub>20</sub>		6 25.3 294°13	5°6/25.9	18	
5 21	18 43.49	-18 55.0	2.188	3.031	12.5	18.8	5 21	18 41.72	- 9 55.4	1.657	2.501	15.8	19.6
5 31	18 38.11	-18 56.3	2.101	3.025	9.5	18.5	5 31	18 37.25	- 9 32.6	1.580	2.495	12.6	19.4
6 10	18 30.76	-19 1.3	2.038	3.018	6.1	18.3	6 10	18 30.43	- 9 21.7	1.523	2.489	9.1	19.2
6 20	18 21.99	-19 9.4	2.001	3.011	2.6	18.1	6 20	18 21.94	- 9 24.6	1.489	2.484	6.2	19.0
6 30	18 12.65	-19 19.5	1.992	3.004	2.3	18.0	6 30	18 12.74	- 9 41.8	1.481	2.478	5.9	19.0
7 10	18 3.65	-19 31.2	2.010	2.996	5.9	18.3	7 10	18 3.98	-10 12.3	1.497	2.472	8.6	19.1
7 20	17 55.86	-19 43.9	2.056	2.987	9.4	18.5	7 20	17 56.68	-10 53.8	1.538	2.467	12.2	19.3
7 30	17 49.97	-19 57.7	2.124	2.978	12.5	18.7	7 30	17 51.65	-11 43.3	1.600	2.461	15.6	19.5
<b>295355</b>	2008 <i>HR</i> <sub>33</sub>		6 25.3 356°78	6°2/25.9	18		<b>394677</b>	2008 <i>CH</i>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>133314</b>	2003 SS <sub>74</sub>	6 25.3 179°60		4°0/25.5 18			<b>12031</b>	Kobaton	6 25.3 271°77		3°1/24.7 18		
5 21	18 42.26	-12 14.3	2.211	3.044	12.7	20.8	5 21	18 46.86	-27 11.6	1.574	2.434	15.7	17.8
5 31	18 37.03	-11 46.5	2.133	3.045	10.0	20.6	5 31	18 41.88	-28 10.9	1.485	2.418	12.1	17.5
6 10	18 29.99	-11 25.7	2.078	3.045	7.0	20.4	6 10	18 33.82	-29 12.7	1.418	2.401	7.9	17.2
6 20	18 21.73	-11 13.0	2.049	3.045	4.6	20.3	6 20	18 23.31	-30 11.7	1.376	2.384	3.9	16.9
6 30	18 13.00	-11 9.1	2.047	3.045	4.4	20.3	6 30	18 11.55	-31 2.0	1.359	2.367	4.1	16.9
7 10	18 4.68	-11 13.9	2.072	3.045	6.8	20.4	7 10	18 0.07	-31 39.8	1.368	2.350	8.4	17.1
7 20	17 57.52	-11 26.7	2.123	3.044	9.7	20.6	7 20	17 50.35	-32 4.5	1.400	2.333	12.8	17.3
7 30	17 52.14	-11 46.2	2.198	3.043	12.5	20.8	7 30	17 43.57	-32 18.1	1.454	2.315	16.8	17.5
<b>31731</b>	Johnwiley	6 25.3 133°50		4°2/25.7 18			<b>522518</b>	2016 EA <sub>235</sub>	6 25.3 11°69		0°1/25.3 17		
5 21	18 43.38	-12 31.1	1.857	2.698	14.5	19.0	5 21	18 43.51	-20 19.3	1.356	2.228	17.0	21.0
5 31	18 38.15	-12 12.9	1.787	2.704	11.3	18.8	5 31	18 39.21	-21 2.2	1.289	2.229	12.9	20.8
6 10	18 30.81	-12 3.6	1.740	2.710	7.9	18.6	6 10	18 31.98	-21 52.9	1.243	2.230	8.2	20.5
6 20	18 22.03	-12 3.9	1.717	2.716	4.8	18.5	6 20	18 22.58	-22 47.8	1.219	2.232	2.9	20.2
6 30	18 12.74	-12 13.8	1.720	2.722	4.6	18.4	6 30	18 12.29	-23 42.4	1.220	2.234	2.5	20.2
7 10	18 3.98	-12 32.6	1.750	2.727	7.3	18.6	7 10	18 2.61	-24 32.9	1.246	2.237	7.8	20.5
7 20	17 56.62	-12 58.8	1.805	2.732	10.7	18.8	7 20	17 54.87	-25 17.3	1.295	2.240	12.6	20.8
7 30	17 51.36	-13 30.8	1.882	2.737	13.8	19.1	7 30	17 50.05	-25 55.3	1.365	2.244	16.7	21.0
<b>209336</b>	2004 CZ <sub>2</sub>	6 25.3 126°34		6°0/25.1 18			<b>387069</b>	2012 TO <sub>73</sub>	6 25.3 315°64		0°8/25.3 16		
5 21	18 48.85	-40 38.9	2.257	3.078	12.9	20.6	5 21	18 42.83	-25 28.9	1.624	2.489	15.0	21.1
5 31	18 42.37	-41 18.2	2.191	3.088	10.4	20.4	5 31	18 38.39	-25 30.1	1.542	2.478	11.4	20.8
6 10	18 33.48	-41 46.9	2.148	3.097	8.0	20.3	6 10	18 31.32	-25 30.4	1.481	2.467	7.3	20.5
6 20	18 22.97	-42 0.8	2.129	3.106	6.3	20.2	6 20	18 22.32	-25 27.7	1.445	2.457	2.7	20.2
6 30	18 11.93	-41 56.8	2.138	3.115	6.2	20.2	6 30	18 12.52	-25 20.4	1.433	2.447	2.4	20.2
7 10	18 1.58	-41 35.4	2.173	3.123	7.9	20.3	7 10	18 3.22	-25 8.7	1.448	2.437	7.1	20.5
7 20	17 52.93	-40 59.4	2.233	3.131	10.3	20.5	7 20	17 55.61	-24 53.7	1.486	2.428	11.5	20.7
7 30	17 46.73	-40 13.3	2.315	3.139	12.6	20.7	7 30	17 50.57	-24 37.6	1.545	2.419	15.4	20.9
<b>416733</b>	2005 EA <sub>27</sub>	6 25.3 84°88		6°3/25.2 17			<b>386414</b>	2008 UZ <sub>303</sub>	6 25.3 208°21		0°3/25.3 18		
5 21	18 51.11	-36 41.0	1.466	2.317	17.1	20.9	5 21	18 44.66	-23 3.8	2.333	3.175	11.9	21.9
5 31	18 44.95	-37 24.3	1.410	2.330	13.5	20.7	5 31	18 38.89	-22 53.5	2.245	3.169	9.0	21.7
6 10	18 35.47	-37 56.9	1.375	2.343	9.8	20.5	6 10	18 31.21	-22 42.9	2.182	3.163	5.7	21.4
6 20	18 23.72	-38 12.3	1.362	2.356	6.8	20.3	6 20	18 22.20	-22 31.3	2.144	3.156	2.0	21.2
6 30	18 11.30	-38 6.6	1.375	2.369	6.7	20.4	6 30	18 12.67	-22 18.2	2.136	3.149	1.8	21.2
7 10	17 59.96	-37 40.3	1.411	2.381	9.5	20.6	7 10	18 3.53	-22 4.0	2.156	3.142	5.5	21.4
7 20	17 51.09	-36 58.2	1.471	2.394	13.0	20.8	7 20	17 55.61	-21 49.4	2.203	3.133	8.9	21.6
7 30	17 45.57	-36 6.8	1.551	2.406	16.3	21.0	7 30	17 49.55	-21 35.8	2.274	3.124	11.9	21.8
<b>130027</b>	1999 VC <sub>88</sub>	6 25.3 209°07		4°6/24.3 18			<b>34214</b>	2000 QA <sub>72</sub>	6 25.3 357°81		12°0/27.2 18		
5 21	18 46.92	-33 7.0	2.072	2.913	13.1	19.9	5 21	18 36.98	+ 0 42.8	1.249	2.087	20.2	17.7
5 31	18 41.21	-34 14.6	1.993	2.911	10.3	19.7	5 31	18 34.19	+ 1 37.7	1.188	2.083	17.4	17.5
6 10	18 32.98	-35 18.9	1.938	2.908	7.3	19.5	6 10	18 28.76	+ 2 7.3	1.144	2.080	14.6	17.3
6 20	18 22.88	-36 14.4	1.908	2.904	4.9	19.3	6 20	18 21.43	+ 2 6.0	1.118	2.078	12.5	17.2
6 30	18 11.94	-36 56.5	1.906	2.901	5.1	19.3	6 30	18 13.34	+ 1 30.7	1.113	2.078	12.1	17.1
7 10	18 1.39	-37 23.2	1.931	2.897	7.7	19.5	7 10	18 5.83	+ 0 23.6	1.128	2.079	13.5	17.2
7 20	17 52.34	-37 34.9	1.981	2.893	10.7	19.7	7 20	18 0.05	- 1 9.2	1.164	2.081	16.2	17.4
7 30	17 45.69	-37 34.4	2.054	2.889	13.6	19.9	7 30	17 56.89	- 2 59.3	1.218	2.084	19.1	17.6
<b>435379</b>	2007 WJ <sub>25</sub>	6 25.3 288°00		0°4/25.3 18			<b>137612</b>	1999 VQ <sub>187</sub>	6 25.3 139°10		0°4/25.3 18		
5 21	18 42.85	-23 3.6	1.936	2.790	13.4	21.1	5 21	18 46.74	-22 43.7	1.706	2.561	14.9	20.0
5 31	18 38.16	-23 25.3	1.837	2.768	10.2	20.9	5 31	18 41.04	-23 7.7	1.637	2.568	11.3	19.8
6 10	18 31.11	-23 49.7	1.761	2.745	6.5	20.6	6 10	18 32.81	-23 34.3	1.590	2.574	7.1	19.6
6 20	18 22.25	-24 14.7	1.710	2.723	2.3	20.3	6 20	18 22.81	-24 0.8	1.568	2.581	2.5	19.3
6 30	18 12.50	-24 38.0	1.686	2.700	2.1	20.2	6 30	18 12.15	-24 24.5	1.573	2.587	2.2	19.3
7 10	18 2.97	-24 57.9	1.689	2.677	6.5	20.5	7 10	18 2.10	-24 43.9	1.605	2.592	6.8	19.6
7 20	17 54.74	-25 14.1	1.718	2.654	10.6	20.7	7 20	17 53.75	-24 59.0	1.661	2.598	10.9	19.9
7 30	17 48.71	-25 27.1	1.768	2.631	14.2	20.8	7 30	17 47.92	-25 10.6	1.740	2.603	14.5	20.1
<b>3444</b>	Stepanian	6 25.3 222°94		2°9/25.1 18			<b>487604</b>	2015 ME <sub>8</sub>	6 25.3 263°47		3°8/25.9 17		
5 21	18 47.68	-31 29.9	2.312	3.148	12.1	17.8	5 21	18 40.56	- 9 41.8	2.772	3.589	10.9	22.2
5 31	18 41.43	-31 51.5	2.219	3.136	9.4	17.6	5 31	18 35.62	- 9 39.7	2.664	3.565	8.7	22.0
6 10	18 32.94	-32 8.7	2.150	3.124	6.3	17.4	6 10	18 29.13	- 9 45.8	2.580	3.540	6.3	21.8
6 20	18 22.83	-32 18.4	2.107	3.111	3.5	17.2	6 20	18 21.48	-10 0.7	2.522	3.514	4.2	21.6
6 30	18 12.04	-32 18.2	2.093	3.098	3.5	17.2	6 30	18 13.28	-10 24.4	2.493	3.488	4.0	21.6
7 10	18 1.62	-32 7.7	2.107	3.084	6.3	17.4	7 10	18 5.20	-10 56.2	2.492	3.462	6.0	21.6
7 20	17 52.55	-31 48.3	2.147	3.069	9.6	17.5	7 20	17 57.91	-11 34.6	2.518	3.435	8.6	21.8
7 30	17 45.62	-31 22.7	2.212	3.053	12.5	17.7	7 30	17 52.00	-12 18.3	2.569	3.407	11.1	21.9
<b>196594</b>	2003 QG <sub>64</sub>	6 25.3 310°20		0°2/25.3 18			<b>352557</b>	2008 CA <sub>213</sub>	6 25.3 37°99		8°9/25.6 16		
5 21	18 41.97	-22 30.6	1.577	2.444	15.3	20.0	5 21	18 49.45	-46 54.7	1.922	2.736	15.1	20.9
5 31	18 38.13	-22 48.8	1.473	2.410	11.8	19.7	5 31	18 43.44	-47 42.5	1.867	2.747	12.8	20.8
6 10	18 31.46	-23 11.3	1.390	2.376	7.6	19.3	6 10	18 34.40	-48 14.1	1.831	2.758	10.6	20.7
6 20	18 22.48	-23 35.8	1.330	2.343	2.7	19.0	6 20	18 23.35	-48 23.4	1.818	2.770	9.1	20.6
6 30	18 12.23	-23 59.8	1.295	2.309	2.5	18.9	6 30	18 11.74	-48 7.2	1.830	2.782	9.0	20.6
7 10	18 2.08	-24 21.2	1.286	2.276	7.7	19.1	7 10	18 1.12	-47 26.5	1.865	2.795	10.3	20.7
7 20	17 53.41	-24 39.1	1.300	2.243	12.7	19.3	7 20	17 52.75	-46 26.1	1.923	2.808	12.4	20.9
7 30	17 47.41	-24 54.2	1.334	2.211	17.1	19.5	7 30	17 47.44	-45 12.5	2.003	2.821	14.5	21.1
<b>295990</b>	2008 YO <sub>73</sub>	6 25.3 166°93		1°1/25.2 17			<b>160206</b>	2002 CZ <sub>35</sub>	6 25.3 275°13		5°3/25.6 18		
5 21	18 44.35	-26 11.8	2.348	3.191	11.7	22.0	5 21						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>32392</b>	2000 <i>QF</i> <sub>207</sub>		6 25.3 150°83	4.5/25.0	18		<b>6549</b>	Skryabin		6 25.3 307°42	5.5/25.8	18	
5 21	18 45.42	-36 26.1	2.353	3.186	12.1	18.6	5 21	18 41.58	-11 50.9	1.372	2.233	17.5	16.9
5 31	18 39.67	-36 56.4	2.278	3.188	9.5	18.4	5 31	18 37.73	-11 27.0	1.291	2.219	13.9	16.7
6 10	18 31.77	-37 19.3	2.227	3.191	6.9	18.3	6 10	18 31.09	-11 15.1	1.230	2.205	9.9	16.4
6 20	18 22.41	-37 31.4	2.202	3.193	4.8	18.1	6 20	18 22.33	-11 17.2	1.191	2.191	6.3	16.2
6 30	18 12.52	-37 30.2	2.204	3.196	4.8	18.1	6 30	18 12.59	-11 34.4	1.175	2.178	6.0	16.1
7 10	18 3.16	-37 15.8	2.233	3.198	6.8	18.3	7 10	18 3.25	-12 5.6	1.183	2.165	9.4	16.3
7 20	17 55.24	-36 50.1	2.287	3.200	9.5	18.4	7 20	17 55.62	-12 48.3	1.213	2.152	13.8	16.5
7 30	17 49.45	-36 16.2	2.365	3.202	12.0	18.6	7 30	17 50.71	-13 39.4	1.263	2.141	17.9	16.7
<b>326877</b>	2003 <i>UG</i> <sub>339</sub>		6 25.3 210°54	1.1/25.2	17		<b>386433</b>	2008 <i>VX</i> <sub>59</sub>		6 25.3 240°10	4.2/24.5	18	
5 21	18 47.89	-25 21.8	1.912	2.759	13.9	22.6	5 21	18 46.24	-31 34.9	1.931	2.779	13.7	20.4
5 31	18 41.87	-25 41.7	1.826	2.752	10.5	22.4	5 31	18 40.84	-32 38.0	1.852	2.774	10.6	20.2
6 10	18 33.36	-26 1.6	1.763	2.745	6.7	22.1	6 10	18 32.84	-33 38.7	1.796	2.770	7.3	20.0
6 20	18 23.04	-26 18.8	1.726	2.738	2.6	21.9	6 20	18 22.92	-34 31.7	1.765	2.766	4.6	19.8
6 30	18 11.93	-26 30.8	1.717	2.729	2.4	21.8	6 30	18 12.12	-35 12.4	1.761	2.761	4.8	19.8
7 10	18 1.26	-26 36.7	1.735	2.720	6.6	22.1	7 10	18 1.73	-35 38.5	1.784	2.756	7.7	20.0
7 20	17 52.12	-26 37.1	1.779	2.710	10.6	22.3	7 20	17 52.90	-35 50.5	1.832	2.752	11.1	20.2
7 30	17 45.37	-26 33.7	1.845	2.700	14.1	22.5	7 30	17 46.57	-35 51.0	1.902	2.747	14.1	20.4
<b>164740</b>	1998 <i>SJ</i> <sub>106</sub>		6 25.3 291°65	7.4/25.4	18		<b>212760</b>	2007 <i>TF</i> <sub>38</sub>		6 25.3 334°64	0.6/25.4	17	
5 21	18 40.61	-5 42.6	1.888	2.714	14.9	20.2	5 21	18 42.33	-22 0.9	1.160	2.044	18.4	20.1
5 31	18 36.32	-4 56.2	1.792	2.690	12.3	20.0	5 31	18 38.82	-21 59.6	1.090	2.036	14.1	19.8
6 10	18 29.88	-4 21.7	1.717	2.665	9.7	19.7	6 10	18 31.99	-22 1.6	1.038	2.028	9.0	19.5
6 20	18 21.82	-4 2.2	1.665	2.641	7.7	19.6	6 20	18 22.69	-22 5.5	1.007	2.020	3.3	19.2
6 30	18 12.98	-4 0.3	1.638	2.617	7.6	19.5	6 30	18 12.33	-22 9.4	1.000	2.014	2.9	19.1
7 10	18 4.34	-4 16.6	1.636	2.592	9.6	19.6	7 10	18 2.64	-22 12.8	1.014	2.008	8.7	19.4
7 20	17 56.87	-4 49.7	1.658	2.568	12.6	19.7	7 20	17 55.14	-22 15.8	1.051	2.003	14.1	19.7
7 30	17 51.39	-5 36.8	1.701	2.543	15.7	19.8	7 30	17 50.93	-22 19.4	1.105	1.998	18.7	20.0
<b>98681</b>	2000 <i>WQ</i> <sub>178</sub>		6 25.3 115°16	0.5/25.3	18		<b>512388</b>	2016 <i>OB</i>		6 25.3 300°93	5.1/26.9	18	
5 21	18 48.07	-23 24.7	1.638	2.493	15.4	19.5	5 21	18 45.67	-7 11.0	1.485	2.322	17.6	20.2
5 31	18 42.03	-23 44.4	1.577	2.507	11.6	19.3	5 31	18 41.08	-8 1.9	1.380	2.292	14.3	19.9
6 10	18 33.40	-24 5.7	1.537	2.521	7.3	19.1	6 10	18 33.48	-9 18.1	1.294	2.261	10.3	19.6
6 20	18 23.00	-24 25.7	1.522	2.535	2.6	18.8	6 20	18 23.33	-11 0.4	1.232	2.231	6.4	19.3
6 30	18 12.04	-24 42.0	1.534	2.547	2.3	18.8	6 30	18 11.61	-13 5.9	1.195	2.200	5.4	19.1
7 10	18 1.82	-24 53.6	1.572	2.560	6.9	19.1	7 10	17 59.74	-15 27.3	1.286	2.170	9.1	19.3
7 20	17 53.45	-25 1.0	1.635	2.572	11.0	19.4	7 20	17 49.22	-17 55.5	1.101	2.140	13.9	19.4
7 30	17 47.70	-25 5.5	1.721	2.583	14.6	19.7	7 30	17 41.39	-20 22.3	1.240	2.110	18.6	19.6
<b>478125</b>	2011 <i>UU</i> <sub>107</sub>		6 25.3 167°90	1.7/24.9	17		<b>269310</b>	2008 <i>SA</i> <sub>153</sub>		6 25.3 344°85	2.4/25.5	17	
5 21	18 43.54	-26 36.9	2.510	3.352	11.1	22.2	5 21	18 38.41	-18 31.0	1.249	2.132	17.5	19.8
5 31	18 38.05	-27 21.9	2.431	3.354	8.4	22.0	5 31	18 35.57	-18 20.9	1.176	2.120	13.4	19.6
6 10	18 30.71	-28 6.9	2.377	3.356	5.4	21.9	6 10	18 29.81	-18 17.4	1.123	2.110	8.8	19.3
6 20	18 22.05	-28 49.0	2.349	3.358	2.4	21.7	6 20	18 21.89	-18 20.5	1.090	2.101	3.9	19.0
6 30	18 12.85	-29 25.8	2.351	3.360	2.5	21.7	6 30	18 13.04	-18 29.6	1.081	2.094	3.5	18.9
7 10	18 3.97	-29 55.5	2.381	3.361	5.4	21.9	7 10	18 4.76	-18 43.8	1.095	2.087	8.4	19.2
7 20	17 56.22	-30 17.8	2.438	3.362	8.4	22.1	7 20	17 58.35	-19 2.2	1.130	2.082	13.3	19.4
7 30	17 50.24	-30 33.8	2.519	3.363	11.1	22.2	7 30	17 54.84	-19 23.8	1.185	2.078	17.7	19.7
<b>90433</b>	2004 <i>BD</i> <sub>62</sub>		6 25.3 306°41	1.5/25.4	18		<b>17094</b>	1999 <i>JV</i> <sub>25</sub>		6 25.3 324°38	1.8/25.4	18	
5 21	18 42.57	-20 25.6	1.362	2.235	16.9	19.7	5 21	18 40.90	-19 3.4	1.948	2.802	13.3	18.0
5 31	18 38.68	-20 15.7	1.277	2.216	13.0	19.4	5 31	18 36.39	-18 47.7	1.867	2.796	10.2	17.7
6 10	18 31.80	-20 9.6	1.211	2.198	8.4	19.1	6 10	18 29.81	-18 35.1	1.809	2.791	6.6	17.5
6 20	18 22.61	-20 6.6	1.168	2.180	3.4	18.8	6 20	18 21.78	-18 25.7	1.775	2.785	2.9	17.3
6 30	18 12.31	-20 6.1	1.149	2.163	3.0	18.7	6 30	18 13.17	-18 19.4	1.769	2.780	2.7	17.2
7 10	18 2.43	-20 7.5	1.154	2.145	8.3	18.9	7 10	18 5.00	-18 16.3	1.789	2.775	6.3	17.5
7 20	17 54.38	-20 11.3	1.182	2.128	13.4	19.2	7 20	17 58.14	-18 16.5	1.834	2.771	10.0	17.7
7 30	17 49.25	-20 17.7	1.229	2.112	17.9	19.4	7 30	17 53.31	-18 20.0	1.902	2.767	13.3	17.9
<b>479032</b>	2013 <i>AX</i> <sub>22</sub>		6 25.3 150°69	3.1/25.9	18		<b>370884</b>	2005 <i>EP</i> <sub>161</sub>		6 25.3 357°48	1.5/25.2	17	
5 21	18 40.84	-11 40.7	2.711	3.534	10.9	22.2	5 21	18 39.77	-24 42.1	1.076	1.969	18.8	20.3
5 31	18 35.67	-11 45.7	2.635	3.542	8.5	22.0	5 31	18 37.08	-25 7.9	1.014	1.964	14.4	20.0
6 10	18 29.04	-11 58.8	2.582	3.549	5.9	21.9	6 10	18 30.97	-25 36.0	0.970	1.961	9.1	19.7
6 20	18 21.42	-12 19.2	2.557	3.555	3.6	21.7	6 20	18 22.33	-26 2.6	0.946	1.959	3.5	19.4
6 30	18 13.44	-12 46.2	2.560	3.561	3.3	21.7	6 30	18 12.67	-26 23.9	0.945	1.959	3.3	19.4
7 10	18 5.78	-13 18.7	2.591	3.567	5.4	21.9	7 10	18 3.80	-26 37.8	0.965	1.959	8.9	19.7
7 20	17 59.04	-13 55.4	2.650	3.572	8.0	22.0	7 20	17 57.26	-26 44.7	1.006	1.961	14.2	20.0
7 30	17 53.75	-14 34.7	2.734	3.577	10.4	22.2	7 30	17 54.14	-26 46.4	1.066	1.965	18.7	20.3
<b>334005</b>	2000 <i>UV</i> <sub>44</sub>		6 25.3 244°77	1.9/25.1	18		<b>347866</b>	2002 <i>RN</i> <sub>237</sub>		6 25.3 259°58	1.9/25.6	18	
5 21	18 46.15	-27 40.3	2.215	3.058	12.4	21.4	5 21	18 41.97	-17 26.2	2.032	2.880	13.1	21.3
5 31	18 40.41	-28 7.6	2.117	3.040	9.5	21.2	5 31	18 37.16	-17 28.0	1.947	2.872	10.1	21.1
6 10	18 32.42	-28 33.8	2.042	3.022	6.1	20.9	6 10	18 30.30	-17 35.2	1.884	2.864	6.6	20.9
6 20	18 22.73	-28 56.0	1.994	3.004	2.8	20.7	6 20	18 21.96	-17 47.2	1.847	2.856	3.0	20.6
6 30	18 12.23	-29 11.7	1.974	2.984	2.8	20.6	6 30	18 13.00	-18 3.3	1.837	2.848	2.7	20.6
7 10	18 2.01	-29 19.6	1.982	2.964	6.2	20.8	7 10	18 4.38	-18 22.4	1.854	2.839	6.2	20.8
7 20	17 53.04	-29 20.2	2.017	2.944	9.8	21.0	7 20	17 57.01	-18 43.7	1.896	2.831	9.9	21.0
7 30	17 46.17	-29 15.1	2.075	2.923	13.0	21.2	7 30	17 51.61	-19 6.6	1.962	2.823	13.1	21.2
<b>392985</b>	2012 <i>XY</i> <sub>59</sub>		6 25.3 170°45	1.1/25.2	18		<b>491007</b>	2011 <i>GL</i> <sub></sub>					

EPHEMERIDES

6 25.3

6 25.4

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>131066</b>	2000 <i>YF</i> <sub>77</sub>		6 25.3 134°36'	1°0'/25.3	18		<b>510252</b>	2011 <i>GP</i> <sub>89</sub>		6 25.3 277°80'	4°5'/24.9	17	
5 21	18 45.94	-23 5.9	1.905	2.755	13.8	19.3	5 21	18 46.55	-32 51.7	1.765	2.616	14.6	21.2
5 31	18 40.09	-22 27.1	1.832	2.760	10.4	19.1	5 31	18 41.41	-33 32.2	1.676	2.600	11.5	21.0
6 10	18 32.04	-21 46.7	1.781	2.764	6.6	18.9	6 10	18 33.40	-34 8.1	1.608	2.583	8.0	20.8
6 20	18 22.53	-21 4.9	1.756	2.768	2.5	18.6	6 20	18 23.21	-34 34.4	1.565	2.566	5.0	20.5
6 30	18 12.58	-20 22.9	1.759	2.771	2.3	18.6	6 30	18 11.98	-34 46.8	1.548	2.549	5.1	20.5
7 10	18 3.26	-19 42.3	1.789	2.775	6.3	18.9	7 10	18 1.16	-34 43.9	1.557	2.532	8.2	20.7
7 20	17 55.49	-19 5.1	1.845	2.778	10.2	19.1	7 20	17 52.06	-34 27.2	1.589	2.515	12.0	20.8
7 30	17 49.96	-18 33.2	1.924	2.782	13.5	19.3	7 30	17 45.73	-34 0.5	1.643	2.498	15.5	21.0
<b>186979</b>	2004 <i>RT</i> <sub>257</sub>		6 25.3 271°45'	3°2'/25.5	18		<b>397780</b>	2008 <i>HK</i> <sub>26</sub>		6 25.3 356°43'	10°9'/25.0	17	
5 21	18 39.72	-13 44.6	2.474	3.309	11.5	20.4	5 21	18 38.49	+ 4 56.9	2.078	2.856	15.3	20.8
5 31	18 35.13	-13 25.1	2.379	3.294	9.0	20.2	5 31	18 34.35	+ 6 25.4	2.012	2.854	13.5	20.7
6 10	18 28.87	-13 11.2	2.307	3.278	6.2	20.0	6 10	18 28.43	+ 7 36.6	1.966	2.853	12.0	20.6
6 20	18 21.44	-13 3.5	2.261	3.262	3.7	19.8	6 20	18 21.30	+ 8 25.8	1.942	2.852	11.0	20.5
6 30	18 13.48	-13 2.4	2.243	3.246	3.6	19.8	6 30	18 13.71	+ 8 49.5	1.941	2.851	11.0	20.5
7 10	18 5.77	-13 7.9	2.253	3.230	6.0	19.9	7 10	18 6.50	+ 8 47.2	1.962	2.851	12.0	20.6
7 20	17 59.01	-13 19.6	2.289	3.213	8.9	20.0	7 20	18 0.41	+ 8 20.8	2.005	2.851	13.5	20.7
7 30	17 53.81	-13 36.6	2.348	3.197	11.7	20.2	7 30	17 56.06	+ 7 34.2	2.067	2.852	15.2	20.8
<b>485954</b>	2012 <i>HW</i> <sub>51</sub>		6 25.3 82°15'	21°5'/27.8	18		<b>198571</b>	2004 <i>XP</i> <sub>172</sub>		6 25.3 257°16'	1°3'/25.2	18	
5 21	18 44.56	+14 2.2	1.074	1.855	26.4	21.3	5 21	18 44.55	-25 59.0	1.900	2.754	13.7	20.6
5 31	18 40.19	+16 27.5	1.035	1.861	24.5	21.2	5 31	18 39.42	-26 17.1	1.815	2.744	10.4	20.3
6 10	18 32.64	+18 13.6	1.010	1.867	22.8	21.1	6 10	18 31.89	-26 34.8	1.751	2.734	6.6	20.1
6 20	18 22.86	+19 9.3	0.999	1.874	21.8	21.0	6 20	18 22.60	-26 49.5	1.713	2.725	2.6	19.8
6 30	18 12.30	+19 7.4	1.002	1.880	21.5	21.0	6 30	18 12.56	-26 59.1	1.702	2.714	2.5	19.8
7 10	18 2.60	+18 9.3	1.021	1.887	22.1	21.1	7 10	18 2.92	-27 2.7	1.718	2.704	6.5	20.0
7 20	17 55.13	+16 23.1	1.055	1.893	23.4	21.2	7 20	17 54.76	-27 0.8	1.759	2.694	10.5	20.2
7 30	17 50.84	+14 1.1	1.102	1.900	25.1	21.4	7 30	17 48.91	-26 55.1	1.822	2.683	14.0	20.4
<b>70468</b>	1999 <i>TU</i> <sub>31</sub>		6 25.3 192°37'	0°6'/25.4	18		<b>311461</b>	2005 <i>UY</i> <sub>429</sub>		6 25.3 226°18'	3°7'/24.8	18	
5 21	18 43.78	-21 41.4	2.000	2.851	13.2	20.0	5 21	18 43.80	-33 22.2	2.502	3.340	11.3	21.2
5 31	18 38.51	-21 38.9	1.922	2.850	10.0	19.8	5 31	18 38.43	-34 4.4	2.420	3.335	8.8	21.0
6 10	18 31.12	-21 38.1	1.866	2.849	6.3	19.6	6 10	18 31.06	-34 42.4	2.361	3.330	6.1	20.9
6 20	18 22.25	-21 37.9	1.836	2.848	2.3	19.4	6 20	18 22.27	-35 12.7	2.328	3.325	4.0	20.7
6 30	18 12.82	-21 37.6	1.833	2.847	2.0	19.3	6 30	18 12.86	-35 32.7	2.323	3.320	4.1	20.7
7 10	18 3.86	-21 36.8	1.858	2.845	6.0	19.6	7 10	18 3.81	-35 41.3	2.346	3.315	6.3	20.8
7 20	17 56.27	-21 35.9	1.908	2.843	9.8	19.8	7 20	17 55.96	-35 39.3	2.395	3.310	9.0	21.0
7 30	17 50.78	-21 35.6	1.981	2.841	13.1	20.0	7 30	17 50.02	-35 28.9	2.467	3.304	11.5	21.2
<b>379200</b>	2009 <i>SP</i> <sub>58</sub>		6 25.3 322°09'	4°7'/25.1	17		<b>343355</b>	2010 <i>CL</i> <sub>68</sub>		6 25.3 9°06'	1°5'/25.4	17	
5 21	18 40.42	-16 20.3	1.301	2.175	17.4	21.1	5 21	18 42.62	-19 34.2	1.761	2.618	14.4	20.7
5 31	18 37.05	-15 25.6	1.218	2.155	13.7	20.8	5 31	18 37.86	-19 26.9	1.687	2.618	11.0	20.5
6 10	18 30.77	-14 34.9	1.154	2.137	9.4	20.5	6 10	18 30.83	-19 23.3	1.635	2.618	7.0	20.3
6 20	18 22.27	-13 51.1	1.113	2.118	5.5	20.2	6 20	18 22.19	-19 22.8	1.608	2.619	2.9	20.0
6 30	18 12.76	-13 17.1	1.094	2.101	5.5	20.2	6 30	18 12.96	-19 24.8	1.607	2.620	2.6	20.0
7 10	18 3.70	-12 55.1	1.099	2.084	9.6	20.3	7 10	18 4.25	-19 29.0	1.632	2.620	6.6	20.3
7 20	17 56.44	-12 46.0	1.126	2.068	14.3	20.5	7 20	17 57.04	-19 35.2	1.682	2.621	10.6	20.5
7 30	17 52.04	-12 49.3	1.171	2.053	18.6	20.8	7 30	17 52.10	-19 43.5	1.755	2.622	14.1	20.7
<b>305505</b>	2008 <i>EB</i> <sub>116</sub>		6 25.3 174°08'	0°7'/25.3	18		<b>252826</b>	2002 <i>GF</i> <sub>96</sub>		6 25.3 98°93'	1°9'/25.2	18	
5 21	18 42.07	-25 2.7	2.354	3.201	11.6	21.3	5 21	18 42.98	-28 57.8	2.428	3.271	11.4	20.6
5 31	18 36.97	-25 11.9	2.275	3.201	8.7	21.1	5 31	18 37.57	-29 11.2	2.359	3.282	8.6	20.4
6 10	18 30.04	-25 20.7	2.219	3.202	5.5	20.9	6 10	18 30.37	-29 21.6	2.314	3.293	5.6	20.3
6 20	18 21.86	-25 27.5	2.190	3.202	2.0	20.7	6 20	18 21.97	-29 27.0	2.295	3.303	2.6	20.1
6 30	18 13.20	-25 31.2	2.190	3.203	1.8	20.7	6 30	18 13.18	-29 26.1	2.304	3.314	2.5	20.1
7 10	18 4.94	-25 31.3	2.217	3.203	5.3	20.9	7 10	18 4.89	-29 18.8	2.342	3.324	5.4	20.3
7 20	17 57.87	-25 28.4	2.270	3.203	8.6	21.1	7 20	17 57.83	-29 6.3	2.406	3.335	8.4	20.5
7 30	17 52.60	-25 23.6	2.347	3.203	11.4	21.3	7 30	17 52.61	-28 50.2	2.494	3.345	11.0	20.7
<b>379249</b>	2009 <i>TZ</i> <sub>17</sub>		6 25.3 213°25'	5°4'/26.2	18		<b>76272</b>	De Jong		6 25.4 212°59'	0°8'/25.5	18	R
5 21	18 43.34	- 7 28.4	2.102	2.922	13.8	21.2	5 21	18 43.45	-19 31.9	2.621	3.456	10.9	20.0
5 31	18 38.06	- 7 18.9	2.017	2.915	11.1	21.0	5 31	18 37.89	-19 48.9	2.529	3.448	8.3	19.8
6 10	18 30.81	- 7 21.4	1.953	2.909	8.3	20.8	6 10	18 30.60	-20 9.4	2.460	3.440	5.3	19.6
6 20	18 22.16	- 7 37.0	1.915	2.902	5.9	20.7	6 20	18 22.09	-20 32.1	2.419	3.430	2.0	19.3
6 30	18 12.90	- 8 5.9	1.904	2.894	5.6	20.7	6 30	18 13.04	-20 55.7	2.407	3.420	1.7	19.3
7 10	18 3.96	- 8 46.7	1.919	2.886	7.7	20.8	7 10	18 4.24	-21 19.1	2.425	3.410	5.0	19.5
7 20	17 56.18	- 9 37.1	1.961	2.877	10.6	20.9	7 20	17 56.41	-21 41.7	2.470	3.399	8.2	19.7
7 30	17 50.27	-10 34.4	2.025	2.868	13.5	21.1	7 30	17 50.19	-22 3.4	2.540	3.387	10.9	19.9
<b>134929</b>	2001 <i>AT</i> <sub>16</sub>		6 25.3 177°51'	2°3'/25.4	17		<b>469625</b>	2004 <i>RH</i> <sub>198</sub>		6 25.4 335°97'	9°6'/24.7	17	
5 21	18 50.51	-30 19.5	1.867	2.711	14.3	20.0	5 21	18 37.84	- 7 25.5	1.290	2.150	18.4	20.3
5 31	18 43.79	-30 15.4	1.790	2.713	11.0	19.8	5 31	18 34.95	- 5 57.0	1.215	2.134	15.3	20.0
6 10	18 34.51	-30 5.2	1.736	2.714	7.1	19.6	6 10	18 29.36	- 4 40.4	1.159	2.119	12.1	19.8
6 20	18 23.47	-29 46.4	1.707	2.715	3.3	19.4	6 20	18 21.77	- 3 42.1	1.124	2.105	9.9	19.6
6 30	18 11.84	-29 17.6	1.705	2.715	3.1	19.3	6 30	18 13.30	- 3 7.6	1.110	2.092	9.9	19.6
7 10	18 0.93	-28 40.2	1.732	2.715	6.8	19.6	7 10	18 5.29	- 2 59.4	1.119	2.080	12.4	19.7
7 20	17 51.81	-27 57.2	1.784	2.714	10.7	19.8	7 20	17 58.97	- 3 16.2	1.147	2.070	15.9	19.8
7 30	17 45.27	-27 12.4	1.859	2.712	14.1	20.0	7 30	17 55.31	- 3 54.3	1.193	2.061	19.4	20.0
<b>443629</b>	2014 <i>MQ</i> <sub>47</sub>		6 25.3 49°79'	2°6'/25.6	17		<b>3498</b>						

EPHEMERIDES

6 25.4

6 25.4

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>325431</b>	2009 <i>OJ</i> <sub>16</sub>		6 25.4	7°23	2°7/25.5	17	<b>491724</b>	2012 <i>UC</i> <sub>164</sub>		6 25.4	248°58	0°8/25.4	18
5 21	18 38.41	-18 31.3	1.042	1.935	19.3	20.0	5 21	18 43.45	-21 24.6	2.177	3.023	12.4	22.1
5 31	18 35.85	-18 17.3	0.986	1.935	14.8	19.7	5 31	18 38.23	-21 16.7	2.085	3.010	9.5	21.9
6 10	18 30.08	-18 10.8	0.947	1.937	9.6	19.4	6 10	18 30.99	-21 10.0	2.015	2.997	6.0	21.7
6 20	18 22.03	-18 12.1	0.929	1.940	4.3	19.2	6 20	18 22.29	-21 4.0	1.972	2.984	2.3	21.4
6 30	18 13.15	-18 20.3	0.933	1.945	3.8	19.1	6 30	18 12.96	-20 58.2	1.957	2.970	2.0	21.4
7 10	18 5.13	-18 34.5	0.958	1.952	8.9	19.5	7 10	18 3.97	-20 52.4	1.969	2.956	5.8	21.6
7 20	17 59.33	-18 53.3	1.004	1.960	14.1	19.8	7 20	17 56.18	-20 47.1	2.008	2.941	9.5	21.8
7 30	17 56.71	-19 15.5	1.068	1.969	18.5	20.1	7 30	17 50.33	-20 43.1	2.070	2.926	12.7	22.0
<b>67628</b>	2000 <i>ST</i> <sub>188</sub>		6 25.4	218°34	10°8/26.4	18	<b>95528</b>	2002 <i>EX</i> <sub>73</sub>		6 25.4	241°36	5°5/24.9	18
5 21	18 41.63	+ 6 58.5	2.148	2.906	15.4	18.9	5 21	18 47.91	-36 40.9	1.932	2.771	14.0	19.6
5 31	18 36.71	+ 7 56.5	2.072	2.901	13.7	18.8	5 31	18 42.20	-37 22.5	1.852	2.765	11.2	19.4
6 10	18 29.95	+ 8 35.5	2.016	2.894	12.1	18.7	6 10	18 33.75	-37 56.3	1.794	2.759	8.2	19.2
6 20	18 21.88	+ 8 51.3	1.981	2.888	11.0	18.6	6 20	18 23.32	-38 17.2	1.761	2.752	5.9	19.1
6 30	18 13.27	+ 8 41.2	1.970	2.881	10.9	18.6	6 30	18 12.07	-38 21.3	1.754	2.745	5.9	19.1
7 10	18 5.00	+ 8 5.5	1.982	2.873	11.8	18.6	7 10	18 1.37	-38 7.9	1.772	2.738	8.3	19.2
7 20	17 57.83	+ 7 6.9	2.016	2.866	13.3	18.7	7 20	17 52.43	-37 39.5	1.815	2.731	11.4	19.4
7 30	17 52.44	+ 5 50.0	2.071	2.857	15.2	18.8	7 30	17 46.15	-37 0.6	1.881	2.723	14.4	19.6
<b>379618</b>	2011 <i>CY</i> <sub>115</sub>		6 25.4	339°53	2°0/25.4	17	<b>89635</b>	2001 <i>XK</i> <sub>213</sub>		6 25.4	243°57	2°4/25.4	18
5 21	18 41.54	-19 56.4	1.385	2.258	16.7	20.5	5 21	18 44.38	-17 42.6	2.002	2.847	13.4	19.7
5 31	18 37.68	-19 35.4	1.312	2.251	12.8	20.2	5 31	18 39.06	-17 21.4	1.911	2.834	10.3	19.4
6 10	18 31.02	-19 17.6	1.258	2.244	8.2	19.9	6 10	18 31.58	-17 3.7	1.842	2.820	6.8	19.2
6 20	18 22.35	-19 3.4	1.226	2.238	3.5	19.6	6 20	18 22.52	-16 49.8	1.798	2.806	3.3	18.9
6 30	18 12.86	-18 52.7	1.219	2.232	3.2	19.6	6 30	18 12.77	-16 40.0	1.782	2.791	3.1	18.9
7 10	18 3.96	-18 46.0	1.237	2.227	7.9	19.9	7 10	18 3.36	-16 34.4	1.793	2.776	6.6	19.1
7 20	17 56.89	-18 43.5	1.276	2.223	12.6	20.1	7 20	17 55.24	-16 33.4	1.830	2.761	10.4	19.3
7 30	17 52.56	-18 45.6	1.336	2.219	16.7	20.4	7 30	17 49.19	-16 36.9	1.889	2.745	13.8	19.5
<b>121506</b>	Christlorentson		6 25.4	4°99	5°3/25.8	18	<b>117569</b>	2005 <i>EO</i> <sub>32</sub>		6 25.4	334°20	4°6/25.9	18
5 21	18 47.05	-36 39.5	1.511	2.366	16.5	18.7	5 21	18 38.48	-13 48.4	1.136	2.017	18.9	18.8
5 31	18 41.87	-36 42.3	1.443	2.366	13.0	18.4	5 31	18 35.94	-13 40.9	1.061	2.002	14.9	18.5
6 10	18 33.60	-36 32.8	1.394	2.367	9.2	18.2	6 10	18 30.28	-13 47.0	1.004	1.987	10.3	18.2
6 20	18 23.22	-36 6.7	1.369	2.368	6.0	18.0	6 20	18 22.21	-14 8.1	0.967	1.973	5.8	17.9
6 30	18 12.18	-35 22.1	1.368	2.369	5.7	18.0	6 30	18 12.99	-14 43.7	0.952	1.961	5.2	17.8
7 10	18 2.08	-34 21.4	1.392	2.371	8.6	18.2	7 10	18 4.23	-15 31.4	0.959	1.949	9.6	18.0
7 20	17 54.22	-33 9.9	1.440	2.374	12.4	18.4	7 20	17 57.42	-16 27.4	0.986	1.939	14.7	18.2
7 30	17 49.45	-31 54.0	1.509	2.377	15.9	18.6	7 30	17 53.71	-17 27.8	1.032	1.931	19.3	18.5
<b>13840</b>	Wayneanderson		6 25.4	188°35	0°5/25.4	18	<b>383054</b>	2005 <i>QW</i> <sub>105</sub>		6 25.4	304°53	0°1/25.4	18
5 21	18 46.56	-22 13.8	1.931	2.779	13.7	18.8	5 21	18 42.88	-22 22.0	1.445	2.316	16.2	21.2
5 31	18 40.71	-22 11.5	1.852	2.778	10.4	18.6	5 31	18 38.96	-22 36.4	1.354	2.293	12.5	20.9
6 10	18 32.57	-22 10.5	1.795	2.777	6.6	18.4	6 10	18 32.08	-22 54.7	1.283	2.271	8.0	20.6
6 20	18 22.83	-22 9.3	1.764	2.776	2.4	18.1	6 20	18 22.85	-23 14.9	1.235	2.248	2.9	20.2
6 30	18 12.47	-22 7.1	1.760	2.774	2.1	18.1	6 30	18 12.42	-23 34.3	1.212	2.226	2.5	20.1
7 10	18 2.61	-22 3.7	1.784	2.771	6.3	18.4	7 10	18 2.30	-23 51.1	1.213	2.205	7.9	20.4
7 20	17 54.24	-21 59.7	1.834	2.768	10.2	18.6	7 20	17 53.89	-24 4.9	1.238	2.183	13.0	20.6
7 30	17 48.11	-21 56.0	1.907	2.764	13.6	18.8	7 30	17 48.34	-24 16.5	1.282	2.162	17.4	20.8
<b>279279</b>	2009 <i>WB</i> <sub>29</sub>		6 25.4	193°63	2°1/25.0	17	<b>395492</b>	2011 <i>UX</i> <sub>86</sub>		6 25.4	208°99	1°8/25.4	18
5 21	18 46.31	-27 8.1	1.964	2.813	13.5	21.3	5 21	18 41.27	-18 26.9	2.455	3.296	11.4	21.4
5 31	18 40.68	-27 47.6	1.885	2.812	10.3	21.1	5 31	18 36.25	-18 6.0	2.372	3.294	8.7	21.3
6 10	18 32.66	-28 26.9	1.829	2.810	6.6	20.9	6 10	18 29.57	-17 47.5	2.313	3.291	5.6	21.1
6 20	18 22.90	-29 2.3	1.799	2.808	3.0	20.6	6 20	18 21.75	-17 31.8	2.280	3.288	2.6	20.9
6 30	18 12.41	-29 30.4	1.796	2.806	3.0	20.6	6 30	18 13.51	-17 18.9	2.275	3.285	2.5	20.8
7 10	18 2.35	-29 49.8	1.821	2.803	6.6	20.8	7 10	18 5.63	-17 9.3	2.299	3.282	5.4	21.0
7 20	17 53.79	-30 0.7	1.871	2.800	10.3	21.1	7 20	17 58.81	-17 3.0	2.349	3.278	8.5	21.2
7 30	17 47.56	-30 4.7	1.944	2.797	13.5	21.3	7 30	17 53.62	-17 0.4	2.423	3.275	11.3	21.4
<b>432696</b>	2011 <i>BR</i> <sub>97</sub>		6 25.4	271°65	2°6/25.3	18	<b>288592</b>	2004 <i>JW</i> <sub>20</sub>		6 25.4	210°47	20°3/22.2	18
5 21	18 47.13	-29 13.1	1.667	2.523	15.1	21.7	5 21	19 41.00	- 6 20.9	0.672	1.488	34.9	22.1
5 31	18 41.90	-29 28.3	1.574	2.504	11.7	21.4	5 31	19 28.30	- 2 44.8	0.594	1.485	29.8	21.7
6 10	18 33.75	-29 40.1	1.503	2.485	7.7	21.1	6 10	19 6.86	+ 1 6.9	0.530	1.475	24.3	21.3
6 20	18 23.37	-29 44.9	1.456	2.465	3.7	20.8	6 20	18 36.49	+ 4 54.3	0.485	1.457	20.5	21.0
6 30	18 11.95	-29 39.5	1.436	2.446	3.5	20.8	6 30	17 59.94	+ 8 0.3	0.465	1.431	22.4	20.9
7 10	18 0.93	-29 23.6	1.441	2.426	7.7	21.0	7 10	17 23.01	+ 9 51.4	0.468	1.398	29.5	21.1
7 20	17 51.67	-28 59.1	1.470	2.405	12.1	21.2	7 20	16 51.43	+10 21.4	0.490	1.356	38.1	21.3
7 30	17 45.19	-28 29.5	1.521	2.385	16.1	21.4	7 30	16 28.19	+ 9 49.2	0.522	1.306	46.0	21.6
<b>344669</b>	2003 <i>SN</i> <sub>149</sub>		6 25.4	250°84	2°4/25.1	18	<b>430571</b>	2002 <i>QG</i> <sub>51</sub>		6 25.4	350°39	5°9/25.8	16
5 21	18 45.30	-28 59.2	2.141	2.987	12.6	21.4	5 21	18 45.72	-37 47.0	1.525	2.380	16.3	19.8
5 31	18 39.87	-29 28.1	2.049	2.973	9.7	21.2	5 31	18 41.00	-37 57.1	1.453	2.375	13.1	19.6
6 10	18 32.15	-29 55.1	1.979	2.958	6.4	20.9	6 10	18 33.15	-37 54.4	1.400	2.370	9.5	19.3
6 20	18 22.73	-30 17.0	1.935	2.943	3.2	20.7	6 20	18 23.12	-37 34.2	1.371	2.366	6.5	19.2
6 30	18 12.53	-30 31.0	1.919	2.928	3.1	20.7	6 30	18 12.34	-36 54.0	1.365	2.363	6.3	19.1
7 10	18 2.66	-30 36.2	1.931	2.912	6.4	20.8	7 10	18 2.44	-35 55.6	1.384	2.360	9.0	19.3
7 20	17 54.11	-30 33.0	1.968	2.896	10.0	21.0	7 20	17 54.73	-34 44.2	1.427	2.359	12.6	19.5
7 30	17 47.73	-30 23.5	2.029	2.880	13.2	21.2	7 30	17 50.12	-33 26.4	1.490	2.358	16.1	19.7
<b>63309</b>	2001 <i>FV</i> <sub>19</sub>		6 25.4	57°02	0°9/25.3	17	<b>441952</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>236103</b>	2005 <i>QQ</i> <sub>53</sub>		6 25.4 335°05	1.3°/25.5	18		<b>475415</b>	2006 <i>KP</i> <sub>18</sub>		6 25.4 309°90	5.6°/26.1	17	
5 21	18 37.18	-19 4.5	2.461	3.311	11.1	20.1	5 21	18 40.28	-9 22.6	1.693	2.537	15.5	20.7
5 31	18 33.30	-19 4.6	2.371	3.299	8.4	19.9	5 31	18 36.33	-9 7.7	1.605	2.520	12.4	20.5
6 10	18 27.80	-19 8.1	2.305	3.287	5.4	19.7	6 10	18 30.07	-9 5.5	1.538	2.504	9.1	20.2
6 20	18 21.15	-19 14.4	2.265	3.276	2.3	19.5	6 20	18 22.07	-9 17.8	1.494	2.488	6.3	20.0
6 30	18 14.02	-19 23.1	2.253	3.265	2.0	19.5	6 30	18 13.25	-9 45.2	1.474	2.472	5.9	20.0
7 10	18 7.16	-19 33.6	2.268	3.255	5.1	19.7	7 10	18 4.73	-10 26.4	1.480	2.456	8.6	20.1
7 20	18 1.26	-19 45.6	2.309	3.245	8.3	19.8	7 20	17 57.54	-11 18.7	1.510	2.441	12.2	20.3
7 30	17 56.92	-19 58.7	2.373	3.235	11.1	20.0	7 30	17 52.55	-12 18.9	1.561	2.426	15.7	20.4
<b>511279</b>	2014 <i>DK</i> <sub>29</sub>		6 25.4 205°25	4.8°/26.1	18		<b>314033</b>	2004 <i>XC</i> <sub>107</sub>		6 25.4 291°20	2.4°/25.2	17	
5 21	18 42.15	-8 19.8	2.276	3.096	12.8	22.4	5 21	18 46.52	-27 14.7	1.360	2.230	17.1	21.0
5 31	18 37.04	-8 9.7	2.192	3.092	10.3	22.2	5 31	18 42.20	-27 36.5	1.264	2.202	13.3	20.7
6 10	18 30.14	-8 10.0	2.131	3.088	7.6	22.0	6 10	18 34.43	-27 57.8	1.189	2.174	8.7	20.4
6 20	18 21.99	-8 21.6	2.095	3.083	5.3	21.9	6 20	18 23.82	-28 14.5	1.135	2.146	3.8	20.0
6 30	18 13.31	-8 44.8	2.086	3.078	5.1	21.9	6 30	18 11.68	-28 22.4	1.106	2.118	3.7	19.9
7 10	18 4.95	-9 18.3	2.105	3.073	7.0	22.0	7 10	17 59.77	-28 19.6	1.101	2.090	8.9	20.1
7 20	17 57.66	-10 0.4	2.150	3.067	9.8	22.1	7 20	17 49.81	-28 7.2	1.118	2.061	14.3	20.3
7 30	17 52.07	-10 48.7	2.218	3.060	12.5	22.3	7 30	17 43.17	-27 48.8	1.154	2.033	19.1	20.5
<b>396099</b>	2013 <i>CA</i> <sub>130</sub>		6 25.4 305°61	6.9°/26.1	18		<b>346063</b>	2007 <i>UG</i> <sub>68</sub>		6 25.4 253°24	1.8°/25.1	18	
5 21	18 38.96	-3 45.5	2.149	2.963	13.7	20.6	5 21	18 43.98	-26 48.1	2.084	2.934	12.8	20.9
5 31	18 34.74	-3 13.5	2.067	2.954	11.4	20.4	5 31	18 38.86	-27 20.0	1.999	2.926	9.7	20.7
6 10	18 28.75	-2 54.6	2.006	2.946	9.0	20.3	6 10	18 31.52	-27 51.6	1.936	2.918	6.3	20.4
6 20	18 21.51	-2 51.2	1.969	2.938	7.3	20.1	6 20	18 22.57	-28 20.1	1.900	2.910	2.8	20.2
6 30	18 13.73	-3 4.5	1.957	2.929	7.1	20.1	6 30	18 12.89	-28 42.8	1.890	2.901	2.7	20.2
7 10	18 6.27	-3 34.0	1.971	2.921	8.6	20.2	7 10	18 3.58	-28 58.2	1.908	2.892	6.2	20.4
7 20	17 59.86	-4 17.6	2.009	2.913	11.0	20.3	7 20	17 55.59	-29 6.6	1.952	2.884	9.8	20.6
7 30	17 55.16	-5 12.3	2.069	2.906	13.5	20.5	7 30	17 49.72	-29 9.3	2.019	2.875	13.0	20.8
<b>191802</b>	2004 <i>TZ</i> <sub>220</sub>		6 25.4 193°54	0.3°/25.4	18		<b>427936</b>	2005 <i>VT</i> <sub>91</sub>		6 25.4 141°76	4.6°/24.6	17	
5 21	18 44.73	-21 47.6	2.145	2.990	12.6	20.7	5 21	18 49.29	-33 37.5	2.018	2.857	13.6	21.9
5 31	18 39.18	-21 58.9	2.063	2.988	9.6	20.5	5 31	18 43.00	-34 38.0	1.950	2.866	10.6	21.7
6 10	18 31.57	-22 12.4	2.004	2.986	6.0	20.3	6 10	18 34.15	-35 33.3	1.906	2.874	7.5	21.5
6 20	18 22.52	-22 26.6	1.972	2.984	2.2	20.0	6 20	18 23.50	-36 18.4	1.886	2.882	5.0	21.4
6 30	18 12.87	-22 39.8	1.967	2.981	1.9	20.0	6 30	18 12.13	-36 49.0	1.895	2.890	5.1	21.4
7 10	18 3.62	-22 51.5	1.991	2.977	5.8	20.2	7 10	18 1.32	-37 3.8	1.930	2.897	7.6	21.6
7 20	17 55.66	-23 1.3	2.040	2.973	9.4	20.4	7 20	17 52.18	-37 4.2	1.990	2.903	10.6	21.8
7 30	17 49.69	-23 9.9	2.114	2.969	12.5	20.6	7 30	17 45.55	-36 53.6	2.073	2.910	13.5	22.0
<b>62297</b>	2000 <i>SF</i> <sub>116</sub>		6 25.4 121°29	1.6°/25.2	18		<b>376960</b>	2002 <i>GQ</i> <sub>84</sub>		6 25.4 91°95	5.4°/24.6	17	
5 21	18 43.16	-27 27.7	2.431	3.274	11.4	19.1	5 21	18 50.57	-35 15.5	1.920	2.757	14.2	20.6
5 31	18 37.78	-27 52.3	2.359	3.283	8.6	18.9	5 31	18 43.96	-36 23.7	1.868	2.780	11.1	20.5
6 10	18 30.57	-28 15.4	2.312	3.292	5.5	18.8	6 10	18 34.71	-37 24.5	1.838	2.802	8.0	20.3
6 20	18 22.12	-28 34.7	2.290	3.300	2.4	18.6	6 20	18 23.67	-38 12.3	1.834	2.825	5.7	20.2
6 30	18 13.24	-28 48.4	2.298	3.308	2.4	18.6	6 30	18 12.04	-38 42.8	1.856	2.846	5.8	20.3
7 10	18 4.78	-28 55.9	2.333	3.316	5.4	18.8	7 10	18 1.16	-38 55.2	1.906	2.867	8.1	20.5
7 20	17 57.53	-28 57.7	2.395	3.324	8.4	19.0	7 20	17 52.16	-38 51.7	1.980	2.888	10.9	20.7
7 30	17 52.10	-28 55.1	2.481	3.331	11.1	19.2	7 30	17 45.84	-38 36.3	2.076	2.909	13.6	20.9
<b>115254</b>	Fényi		6 25.4 227°56	2.6°/25.9	18		<b>375695</b>	2009 <i>OY</i> <sub>4</sub>		6 25.4 325°97	2.3°/25.5	17	R
5 21	18 43.11	-13 59.2	2.063	2.902	13.3	20.3	5 21	18 39.31	-18 50.4	1.197	2.081	18.0	20.0
5 31	18 38.03	-14 22.8	1.979	2.897	10.3	20.1	5 31	18 36.62	-18 42.8	1.114	2.059	13.9	19.7
6 10	18 30.91	-14 55.6	1.917	2.892	6.9	19.8	6 10	18 30.79	-18 42.0	1.050	2.038	9.1	19.4
6 20	18 22.31	-15 36.8	1.881	2.887	3.5	19.6	6 20	18 22.48	-18 47.9	1.007	2.018	4.0	19.0
6 30	18 13.05	-16 24.5	1.873	2.882	3.1	19.6	6 30	18 12.93	-18 59.7	0.986	1.999	3.5	18.9
7 10	18 4.11	-17 16.4	1.892	2.876	6.3	19.8	7 10	18 3.78	-19 16.4	0.988	1.981	8.9	19.2
7 20	17 56.37	-18 10.1	1.938	2.871	9.8	20.0	7 20	17 56.53	-19 37.0	1.011	1.964	14.3	19.4
7 30	17 50.57	-19 3.8	2.007	2.865	13.0	20.2	7 30	17 52.40	-20 0.6	1.052	1.949	19.1	19.6
<b>472205</b>	2014 <i>EJ</i> <sub>17</sub>		6 25.4 205°51	0.3°/25.4	18		<b>181908</b>	1999 <i>SG</i> <sub>19</sub>		6 25.4 217°21	3.4°/25.2	18	
5 21	18 44.39	-24 12.5	2.307	3.150	11.9	22.1	5 21	18 49.94	-31 52.3	1.979	2.819	13.7	21.5
5 31	18 38.82	-24 16.5	2.221	3.146	9.0	21.9	5 31	18 43.58	-32 17.2	1.892	2.810	10.7	21.3
6 10	18 31.30	-24 20.5	2.159	3.141	5.7	21.7	6 10	18 34.59	-32 37.1	1.827	2.801	7.2	21.1
6 20	18 22.42	-24 22.8	2.124	3.136	2.0	21.5	6 20	18 23.69	-32 48.0	1.787	2.791	4.1	20.9
6 30	18 12.99	-24 22.5	2.117	3.130	1.8	21.4	6 30	18 11.97	-32 47.0	1.776	2.780	4.0	20.8
7 10	18 3.95	-24 19.2	2.138	3.124	5.5	21.7	7 10	18 0.73	-32 33.4	1.791	2.769	7.2	21.0
7 20	17 56.12	-24 13.6	2.186	3.118	8.9	21.9	7 20	17 51.12	-32 9.4	1.832	2.757	10.8	21.2
7 30	17 50.19	-24 6.8	2.258	3.111	11.9	22.1	7 30	17 44.04	-31 38.6	1.897	2.744	14.1	21.4
<b>392367</b>	2010 <i>GA</i> <sub>141</sub>		6 25.4 320°74	2.3°/25.2	18		<b>491918</b>	2013 <i>CT</i> <sub>68</sub>		6 25.4 216°95	2.8°/25.6	18	
5 21	18 43.26	-28 24.3	1.762	2.622	14.3	20.4	5 21	18 41.03	-14 54.7	2.427	3.263	11.6	21.7
5 31	18 38.66	-28 43.2	1.682	2.614	10.9	20.2	5 31	18 36.12	-14 37.5	2.342	3.258	9.0	21.5
6 10	18 31.53	-28 59.7	1.623	2.606	7.1	20.0	6 10	18 29.54	-14 25.5	2.281	3.254	6.1	21.3
6 20	18 22.57	-29 10.7	1.589	2.599	3.3	19.7	6 20	18 21.81	-14 19.0	2.246	3.249	3.5	21.1
6 30	18 12.85	-29 13.9	1.581	2.592	3.2	19.7	6 30	18 13.62	-14 18.1	2.239	3.244	3.2	21.1
7 10	18 3.62	-29 8.6	1.599	2.585	7.0	19.9	7 10	18 5.75	-14 22.8	2.259	3.239	5.8	21.3
7 20	17 56.01	-28 56.1	1.641	2.578	11.0	20.1	7 20	17 58.91	-14 32.6	2.307	3.233	8.8	21.5
7 30	17 50.86	-28 38.9	1.705	2.572	14.5	20.3	7 30	17 53.68	-14 46.9	2.378	3.227	11.5	21.6
<b>523179</b>	2016 <i>TQ</i> <sub>99</sub>		6 25.4 285°71	4.8°/25.5	18		<b>204020</b>						



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>248599</b>	2006 <i>DK</i> <sub>31</sub>		6 25.4 171 <sup>o</sup> .12	3 <sup>o</sup> 3/25.2	18		<b>503669</b>	2016 <i>GW</i> <sub>248</sub>		6 25.4 349 <sup>o</sup> .67	1 <sup>o</sup> 1/25.5	17	
5 21	18 47.02	-31 49.8	2.003	2.848	13.4	21.4	5 21	18 39.57	-21 22.2	1.106	1.997	18.7	20.9
5 31	18 41.19	-32 10.6	1.928	2.849	10.4	21.2	5 31	18 36.86	-21 17.3	1.040	1.989	14.3	20.6
6 10	18 32.96	-32 26.1	1.875	2.851	7.0	21.0	6 10	18 30.90	-21 16.4	0.991	1.982	9.1	20.3
6 20	18 23.08	-32 33.0	1.848	2.852	3.9	20.8	6 20	18 22.52	-21 18.6	0.963	1.976	3.4	19.9
6 30	18 12.59	-32 29.0	1.848	2.853	3.8	20.8	6 30	18 13.13	-21 22.6	0.957	1.972	2.9	19.9
7 10	18 2.68	-32 14.0	1.875	2.854	6.8	21.0	7 10	18 4.44	-21 27.6	0.974	1.969	8.7	20.2
7 20	17 54.37	-31 50.1	1.927	2.854	10.2	21.2	7 20	17 57.92	-21 33.6	1.011	1.967	14.0	20.5
7 30	17 48.43	-31 20.5	2.002	2.854	13.3	21.4	7 30	17 54.64	-21 41.0	1.066	1.966	18.7	20.8
<b>370162</b>	2001 <i>YS</i> <sub>149</sub>		6 25.4 177 <sup>o</sup> .40	2 <sup>o</sup> 7/25.2	18		<b>6828</b>	<i>Elbsteel</i>		6 25.4 237 <sup>o</sup> .48	1 <sup>o</sup> 5/25.7	18	
5 21	18 47.80	-30 35.6	2.216	3.055	12.5	21.5	5 21	18 44.00	-17 21.5	2.308	3.145	12.1	18.0
5 31	18 41.54	-30 56.9	2.138	3.057	9.6	21.3	5 31	18 38.63	-17 40.2	2.212	3.131	9.3	17.8
6 10	18 33.09	-31 14.2	2.083	3.059	6.4	21.1	6 10	18 31.31	-18 4.8	2.139	3.117	6.0	17.6
6 20	18 23.12	-31 24.3	2.054	3.060	3.3	20.9	6 20	18 22.55	-18 34.1	2.093	3.102	2.6	17.3
6 30	18 12.57	-31 25.2	2.053	3.060	3.2	20.9	6 30	18 13.11	-19 6.6	2.075	3.087	2.2	17.3
7 10	18 2.52	-31 16.7	2.081	3.060	6.2	21.1	7 10	18 3.88	-19 40.8	2.085	3.071	5.7	17.5
7 20	17 53.92	-31 0.1	2.134	3.059	9.5	21.3	7 20	17 55.71	-20 15.3	2.123	3.054	9.2	17.7
7 30	17 47.49	-30 38.2	2.212	3.057	12.4	21.5	7 30	17 49.34	-20 49.4	2.185	3.037	12.3	17.8
<b>5318</b>	<i>Dientzenhofer</i>		6 25.4 95 <sup>o</sup> .58	0 <sup>o</sup> 6/25.5	18 R		<b>140904</b>	2001 <i>VV</i> <sub>49</sub>		6 25.4 214 <sup>o</sup> .15	4 <sup>o</sup> 7/24.9	18	
5 21	18 47.87	-20 54.3	1.455	2.315	16.7	17.0	5 21	18 46.80	-38 20.9	2.682	3.502	11.1	20.9
5 31	18 42.18	-21 9.3	1.397	2.330	12.6	16.8	5 31	18 40.73	-38 57.2	2.595	3.495	8.9	20.7
6 10	18 33.72	-21 28.5	1.360	2.345	7.9	16.6	6 10	18 32.59	-39 26.2	2.533	3.488	6.7	20.5
6 20	18 23.36	-21 49.6	1.347	2.359	2.9	16.3	6 20	18 22.98	-39 44.2	2.497	3.480	5.0	20.4
6 30	18 12.40	-22 10.1	1.359	2.373	2.4	16.3	6 30	18 12.78	-39 48.7	2.488	3.472	5.0	20.4
7 10	18 2.26	-22 28.7	1.397	2.387	7.3	16.6	7 10	18 2.96	-39 39.1	2.507	3.463	6.7	20.5
7 20	17 54.11	-22 45.0	1.460	2.400	11.8	16.9	7 20	17 54.40	-39 17.0	2.553	3.454	9.1	20.6
7 30	17 48.75	-22 59.6	1.543	2.414	15.6	17.2	7 30	17 47.83	-38 45.5	2.622	3.445	11.4	20.8
<b>66468</b>	1999 <i>RL</i> <sub>17</sub>		6 25.4 198 <sup>o</sup> .00	0 <sup>o</sup> 5/25.4	18 R		<b>176109</b>	2001 <i>DA</i> <sub>7</sub>		6 25.4 257 <sup>o</sup> .10	5 <sup>o</sup> 9/25.4	17	
5 21	18 44.56	-22 13.4	2.167	3.012	12.5	20.0	5 21	18 51.89	-37 17.6	1.706	2.546	15.6	20.2
5 31	18 39.03	-22 9.5	2.084	3.009	9.5	19.8	5 31	18 45.74	-37 43.1	1.616	2.529	12.5	20.0
6 10	18 31.49	-22 6.6	2.025	3.007	6.0	19.6	6 10	18 36.32	-37 58.5	1.546	2.511	9.2	19.8
6 20	18 22.55	-22 3.6	1.992	3.004	2.2	19.3	6 20	18 24.46	-37 57.7	1.500	2.493	6.4	19.6
6 30	18 13.06	-21 59.9	1.987	3.000	1.9	19.3	6 30	18 11.50	-37 36.6	1.480	2.475	6.3	19.5
7 10	18 3.99	-21 55.4	2.009	2.996	5.7	19.6	7 10	17 59.12	-36 55.1	1.485	2.456	9.1	19.6
7 20	17 56.21	-21 50.4	2.059	2.992	9.3	19.8	7 20	17 48.82	-35 57.2	1.515	2.437	12.8	19.8
7 30	17 50.39	-21 45.9	2.131	2.987	12.4	20.0	7 30	17 41.68	-34 49.5	1.566	2.417	16.4	20.0
<b>62545</b>	2000 <i>ST</i> <sub>261</sub>		6 25.4 342 <sup>o</sup> .31	7 <sup>o</sup> 2/26.1	18		<b>268963</b>	2007 <i>EP</i> <sub>11</sub>		6 25.4 66 <sup>o</sup> .74	2 <sup>o</sup> 9/25.3	17	
5 21	18 39.90	-7 45.4	1.463	2.313	17.2	18.9	5 21	18 47.83	-29 43.2	1.556	2.415	15.9	20.8
5 31	18 36.23	-7 9.6	1.391	2.306	14.0	18.6	5 31	18 42.10	-30 5.0	1.504	2.434	12.1	20.6
6 10	18 30.07	-6 48.7	1.338	2.300	10.6	18.4	6 10	18 33.62	-30 22.2	1.472	2.453	7.9	20.4
6 20	18 22.12	-6 45.5	1.307	2.295	7.8	18.2	6 20	18 23.34	-30 31.1	1.464	2.472	3.9	20.3
6 30	18 13.42	-7 1.7	1.299	2.290	7.5	18.2	6 30	18 12.57	-30 29.3	1.483	2.492	3.7	20.3
7 10	18 5.20	-7 36.1	1.315	2.286	9.9	18.3	7 10	18 2.73	-30 17.1	1.526	2.511	7.4	20.6
7 20	17 58.55	-8 25.8	1.353	2.283	13.4	18.5	7 20	17 54.93	-29 57.0	1.594	2.530	11.3	20.8
7 30	17 54.33	-9 26.6	1.411	2.280	16.8	18.7	7 30	17 49.92	-29 32.4	1.684	2.549	14.7	21.1
<b>471589</b>	2012 <i>RK</i> <sub>29</sub>		6 25.4 286 <sup>o</sup> .55	5 <sup>o</sup> 4/24.9	18		<b>223247</b>	2003 <i>FR</i> <sub>51</sub>		6 25.4 87 <sup>o</sup> .56	4 <sup>o</sup> 6/25.9	17	
5 21	18 47.46	-35 38.8	1.801	2.647	14.6	21.1	5 21	18 44.47	-11 52.3	1.719	2.561	15.4	20.5
5 31	18 42.26	-36 15.0	1.706	2.624	11.7	20.9	5 31	18 39.11	-11 31.3	1.661	2.577	12.0	20.3
6 10	18 34.10	-36 44.4	1.632	2.601	8.5	20.6	6 10	18 31.57	-11 20.4	1.624	2.594	8.4	20.1
6 20	18 23.65	-37 1.2	1.582	2.578	5.8	20.4	6 20	18 22.59	-11 20.5	1.612	2.611	5.3	20.0
6 30	18 12.09	-37 1.3	1.558	2.554	5.8	20.4	6 30	18 13.19	-11 31.5	1.626	2.627	5.0	20.0
7 10	18 0.91	-36 43.4	1.560	2.531	8.7	20.5	7 10	18 4.44	-11 52.4	1.666	2.643	7.7	20.2
7 20	17 51.48	-36 9.7	1.585	2.508	12.3	20.6	7 20	17 57.24	-12 21.3	1.730	2.659	11.0	20.4
7 30	17 44.89	-35 25.1	1.632	2.484	15.8	20.8	7 30	17 52.27	-12 56.1	1.817	2.675	14.2	20.6
<b>48989</b>	1998 <i>QS</i> <sub>47</sub>		6 25.4 292 <sup>o</sup> .86	2 <sup>o</sup> 7/25.6	18 R		<b>377872</b>	2006 <i>CB</i> <sub>47</sub>		6 25.4 82 <sup>o</sup> .31	2 <sup>o</sup> 5/25.3	17	
5 21	18 43.40	-17 14.7	1.518	2.379	16.1	19.3	5 21	18 46.44	-29 12.9	1.763	2.617	14.5	21.0
5 31	18 39.19	-17 5.6	1.423	2.355	12.5	19.0	5 31	18 40.88	-29 33.5	1.700	2.629	11.1	20.8
6 10	18 32.18	-17 3.1	1.349	2.331	8.3	18.7	6 10	18 32.82	-29 50.4	1.659	2.640	7.2	20.6
6 20	18 22.98	-17 7.4	1.298	2.307	4.0	18.3	6 20	18 23.07	-30 0.5	1.642	2.651	3.5	20.4
6 30	18 12.65	-17 18.0	1.272	2.283	3.6	18.3	6 30	18 12.78	-30 1.5	1.652	2.662	3.3	20.4
7 10	18 2.56	-17 34.3	1.271	2.259	8.1	18.5	7 10	18 3.19	-29 53.3	1.689	2.673	6.9	20.7
7 20	17 54.02	-17 55.3	1.293	2.235	12.9	18.7	7 20	17 55.37	-29 37.7	1.750	2.684	10.6	20.9
7 30	17 48.13	-18 20.2	1.336	2.211	17.2	18.9	7 30	17 50.06	-29 17.6	1.833	2.695	13.9	21.2
<b>17513</b>	1992 <i>UM</i>		6 25.4 280 <sup>o</sup> .07	4 <sup>o</sup> 5/24.9	18		<b>463231</b>	2012 <i>DX</i> <sub>94</sub>		6 25.4 73 <sup>o</sup> .39	1 <sup>o</sup> 4/25.5	17	
5 21	18 46.65	-32 46.3	1.757	2.609	14.7	18.1	5 21	18 46.46	-19 27.4	1.426	2.289	16.9	21.3
5 31	18 41.58	-33 27.4	1.668	2.592	11.5	17.9	5 31	18 41.11	-19 33.6	1.372	2.305	12.8	21.1
6 10	18 33.63	-34 4.2	1.600	2.574	8.0	17.6	6 10	18 33.04	-19 45.3	1.338	2.322	8.1	20.8
6 20	18 23.47	-34 31.6	1.556	2.557	5.0	17.4	6 20	18 23.15	-20 0.7	1.327	2.339	3.2	20.6
6 30	18 12.25	-34 45.1	1.538	2.540	5.1	17.4	6 30	18 12.73	-20 18.1	1.342	2.355	2.7	20.6
7 10	18 1.43	-34 43.3	1.546	2.522	8.2	17.5	7 10	18 3.14	-20 36.1	1.382	2.372	7.4	20.9
7 20	17 52.32	-34 27.6	1.578	2.505	12.0	17.7	7 20	17 55.51	-20 54.0	1.446	2.389	11.8	21.2
7 30	17 45.97	-34 1.8	1.631	2.487	15.6	17.9	7 30	17 50.63					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>397757</b>	2008 <i>FS</i> <sub>117</sub>	6 25.4 290°63		9°2/24.8 17			<b>309618</b>	2008 <i>CK</i> <sub>25</sub>	6 25.4 284°85		0°6/25.4 18		
5 21	18 39.50	+ 2 10.8	2.326	3.108	13.7	20.7	5 21	18 42.32	-24 26.5	2.140	2.991	12.4	21.0
5 31	18 35.03	+ 3 31.3	2.250	3.101	12.0	20.5	5 31	18 37.59	-24 39.6	2.048	2.976	9.5	20.7
6 10	18 28.92	+ 4 38.1	2.194	3.094	10.4	20.4	6 10	18 30.77	-24 53.3	1.978	2.961	6.0	20.5
6 20	18 21.67	+ 5 27.3	2.162	3.087	9.4	20.3	6 20	18 22.41	-25 5.7	1.933	2.945	2.2	20.2
6 30	18 13.95	+ 5 55.7	2.155	3.080	9.4	20.3	6 30	18 13.36	-25 15.3	1.917	2.930	2.0	20.2
7 10	18 6.53	+ 6 2.5	2.172	3.073	10.4	20.4	7 10	18 4.61	-25 21.3	1.927	2.915	5.9	20.4
7 20	18 0.10	+ 5 48.8	2.211	3.066	12.1	20.5	7 20	17 57.07	-25 23.8	1.963	2.899	9.5	20.6
7 30	17 55.26	+ 5 17.2	2.271	3.059	13.9	20.6	7 30	17 51.51	-25 23.8	2.023	2.884	12.8	20.8
<b>440527</b>	2005 <i>UJ</i> <sub>95</sub>	6 25.4 236°59		0°1/25.4 18			<b>254579</b>	2005 <i>GN</i> <sub>36</sub>	6 25.4 40°71		8°5/25.7 18		
5 21	18 41.67	-22 29.0	2.697	3.537	10.5	22.4	5 21	18 40.66	- 3 5.0	1.841	2.659	15.5	20.4
5 31	18 36.61	-22 37.5	2.603	3.526	7.9	22.2	5 31	18 36.20	- 2 0.1	1.778	2.665	13.0	20.2
6 10	18 29.90	-22 47.3	2.533	3.514	5.0	22.0	6 10	18 29.76	- 1 9.8	1.735	2.671	10.5	20.1
6 20	18 22.03	-22 57.1	2.490	3.502	1.8	21.7	6 20	18 22.00	- 0 37.8	1.715	2.677	8.8	20.0
6 30	18 13.65	-23 6.0	2.476	3.490	1.5	21.7	6 30	18 13.77	- 0 26.5	1.719	2.683	8.7	20.0
7 10	18 5.52	-23 13.4	2.491	3.477	4.8	21.9	7 10	18 6.04	- 0 35.8	1.748	2.690	10.1	20.1
7 20	17 58.34	-23 19.2	2.533	3.464	7.9	22.1	7 20	17 59.63	- 1 3.7	1.800	2.696	12.5	20.3
7 30	17 52.71	-23 24.0	2.600	3.451	10.6	22.2	7 30	17 55.17	- 1 46.6	1.872	2.703	14.9	20.5
<b>49852</b>	1999 <i>XA</i> <sub>96</sub>	6 25.4 173°77		2°1/25.2 17			<b>226037</b>	2002 <i>FZ</i> <sub>35</sub>	6 25.4 131°81		2°0/25.0 17		
5 21	18 49.09	-28 39.6	2.156	2.994	12.8	19.9	5 21	18 47.71	-26 52.4	2.179	3.020	12.6	20.4
5 31	18 42.56	-29 1.9	2.078	2.998	9.8	19.7	5 31	18 41.47	-27 41.2	2.112	3.034	9.6	20.3
6 10	18 33.78	-29 21.4	2.024	3.002	6.3	19.5	6 10	18 33.08	-28 29.5	2.068	3.047	6.1	20.1
6 20	18 23.43	-29 35.2	1.996	3.004	3.0	19.3	6 20	18 23.19	-29 13.8	2.051	3.060	2.8	19.9
6 30	18 12.48	-29 41.0	1.996	3.005	2.8	19.3	6 30	18 12.75	-29 50.8	2.063	3.072	2.8	19.9
7 10	18 2.04	-29 38.4	2.025	3.006	6.2	19.5	7 10	18 2.80	-30 18.8	2.103	3.083	6.0	20.1
7 20	17 53.08	-29 28.6	2.080	3.006	9.6	19.7	7 20	17 54.26	-30 38.1	2.169	3.094	9.3	20.4
7 30	17 46.34	-29 13.9	2.159	3.005	12.6	19.9	7 30	17 47.84	-30 50.0	2.260	3.105	12.2	20.6
<b>288688</b>	2004 <i>PY</i> <sub>103</sub>	6 25.4 278°52		6°5/25.3 18			<b>297140</b>	2010 <i>TY</i> <sub>127</sub>	6 25.4 240°87		0°5/25.5 18		
5 21	18 39.69	- 3 59.6	2.552	3.356	12.1	20.9	5 21	18 41.11	-21 32.3	2.706	3.546	10.4	21.8
5 31	18 35.17	- 3 12.6	2.451	3.332	10.1	20.7	5 31	18 36.17	-21 35.2	2.612	3.535	7.9	21.6
6 10	18 29.04	- 2 35.2	2.373	3.307	8.1	20.5	6 10	18 29.63	-21 39.6	2.543	3.524	5.0	21.4
6 20	18 21.75	- 2 10.0	2.319	3.282	6.7	20.4	6 20	18 21.95	-21 44.7	2.501	3.513	1.9	21.1
6 30	18 13.90	- 1 58.9	2.292	3.257	6.7	20.4	6 30	18 13.79	-21 49.7	2.488	3.501	1.6	21.1
7 10	18 6.21	- 2 2.5	2.291	3.232	8.1	20.4	7 10	18 5.89	-21 54.2	2.503	3.489	4.8	21.3
7 20	17 59.38	- 2 20.2	2.315	3.207	10.3	20.5	7 20	17 58.92	-21 58.2	2.545	3.477	7.8	21.5
7 30	17 53.99	- 2 50.2	2.362	3.181	12.6	20.6	7 30	17 53.47	-22 2.0	2.612	3.464	10.5	21.7
<b>292130</b>	2006 <i>RB</i> <sub>75</sub>	6 25.4 282°64		0°3/25.4 18			<b>235713</b>	2004 <i>TZ</i> <sub>102</sub>	6 25.4 270°87		1°9/25.4 18		
5 21	18 42.36	-22 4.1	2.065	2.916	12.8	21.5	5 21	18 46.16	-28 56.9	1.857	2.708	14.0	20.5
5 31	18 37.65	-22 8.5	1.972	2.900	9.8	21.2	5 31	18 40.83	-28 55.3	1.767	2.694	10.8	20.3
6 10	18 30.81	-22 14.9	1.901	2.885	6.2	21.0	6 10	18 32.96	-28 49.4	1.699	2.680	7.0	20.0
6 20	18 22.42	-22 21.9	1.857	2.869	2.3	20.7	6 20	18 23.24	-28 36.7	1.656	2.666	3.1	19.7
6 30	18 13.33	-22 28.4	1.839	2.853	1.9	20.6	6 30	18 12.73	-28 15.6	1.640	2.651	2.8	19.7
7 10	18 4.53	-22 33.9	1.849	2.837	6.0	20.9	7 10	18 2.69	-27 46.8	1.651	2.637	6.8	19.9
7 20	17 56.97	-22 38.2	1.885	2.821	9.8	21.1	7 20	17 54.24	-27 12.5	1.686	2.622	10.8	20.1
7 30	17 51.42	-22 42.1	1.943	2.806	13.2	21.3	7 30	17 48.23	-26 35.8	1.745	2.607	14.4	20.3
<b>380193</b>	2000 <i>WC</i> <sub>172</sub>	6 25.4 167°39		0°1/25.4 18			<b>379278</b>	2009 <i>UP</i> <sub>131</sub>	6 25.4 228°97		1°1/25.5 17		
5 21	18 46.09	-21 7.8	2.441	3.276	11.6	21.6	5 21	18 46.96	-27 13.6	1.838	2.690	14.1	20.8
5 31	18 40.02	-21 45.3	2.361	3.281	8.8	21.4	5 31	18 41.28	-27 0.8	1.757	2.685	10.8	20.5
6 10	18 32.08	-22 26.2	2.306	3.286	5.5	21.2	6 10	18 33.14	-26 44.4	1.697	2.679	6.9	20.3
6 20	18 22.82	-23 8.0	2.278	3.290	2.0	21.0	6 20	18 23.27	-26 22.5	1.662	2.674	2.7	20.0
6 30	18 13.02	-23 48.6	2.280	3.293	1.7	21.0	6 30	18 12.74	-25 54.6	1.655	2.668	2.3	20.0
7 10	18 3.55	-24 25.9	2.311	3.296	5.2	21.2	7 10	18 2.79	-25 21.7	1.675	2.662	6.6	20.2
7 20	17 55.22	-24 59.1	2.370	3.298	8.5	21.4	7 20	17 54.46	-24 46.2	1.720	2.656	10.6	20.5
7 30	17 48.68	-25 28.3	2.453	3.299	11.3	21.6	7 30	17 48.57	-24 10.8	1.788	2.650	14.1	20.7
<b>342734</b>	2008 <i>WF</i> <sub>43</sub>	6 25.4 245°42		1°3/25.3 18			<b>241799</b>	2001 <i>QR</i> <sub>196</sub>	6 25.4 333°88		0°8/25.5 18		
5 21	18 44.90	-25 59.5	2.080	2.928	12.9	22.0	5 21	18 41.78	-28 34.2	1.401	2.276	16.4	18.9
5 31	18 39.60	-26 18.4	1.990	2.916	9.8	22.0	5 31	18 38.21	-27 47.8	1.311	2.252	12.6	18.6
6 10	18 32.06	-26 36.9	1.923	2.905	6.3	21.7	6 10	18 31.64	-26 51.8	1.241	2.228	8.1	18.3
6 20	18 22.87	-26 52.7	1.882	2.893	2.5	21.5	6 20	18 22.84	-25 45.4	1.193	2.206	3.1	17.9
6 30	18 12.96	-27 3.7	1.869	2.881	2.3	21.4	6 30	18 13.07	-24 29.8	1.170	2.185	2.6	17.8
7 10	18 3.40	-27 8.8	1.883	2.868	6.1	21.6	7 10	18 3.86	-23 9.1	1.172	2.165	7.9	18.1
7 20	17 55.16	-27 8.6	1.923	2.855	9.9	21.8	7 20	17 56.56	-21 48.7	1.197	2.146	13.0	18.3
7 30	17 49.06	-27 4.6	1.986	2.842	13.2	22.0	7 30	17 52.18	-20 34.0	1.242	2.129	17.4	18.5
<b>480623</b>	2015 <i>MH</i> <sub>127</sub>	6 25.4 293°37		2°1/25.8 18			<b>471590</b>	2012 <i>RW</i> <sub>29</sub>	6 25.4 245°59		5°8/25.9 17		
5 21	18 40.96	-15 36.2	2.194	3.036	12.5	21.2	5 21	18 42.41	- 7 19.1	2.179	2.998	13.4	21.8
5 31	18 36.36	-15 53.7	2.109	3.030	9.6	21.0	5 31	18 37.46	- 6 50.4	2.087	2.984	10.9	21.6
6 10	18 29.89	-16 18.6	2.047	3.024	6.3	20.7	6 10	18 30.60	- 6 32.2	2.017	2.969	8.3	21.4
6 20	18 22.07	-16 49.8	2.011	3.018	3.1	20.5	6 20	18 22.37	- 6 26.3	1.971	2.954	6.2	21.2
6 30	18 13.66	-17 26.1	2.002	3.012	2.6	20.5	6 30	18 13.50	- 6 33.9	1.953	2.938	6.0	21.2
7 10	18 5.56	-18 5.7	2.021	3.007	5.8	20.7	7 10	18 4.89	- 6 54.7	1.961	2.922	7.9	21.2
7 20	17 58.55	-18 46.8	2.066	3.001	9.2	20.9	7 20	17 57.35	- 7 27.3	1.994	2.906	10.7	21.4
7 30	17 53.33	-19 28.3	2.135	2.995	12.3	21.1	7 30	17 51.57	- 8 9.3	2.050	2.889	13.5	21.5
<b>45053</b>	1999 <i>XK</i> <sub>26</sub>	6 25.4 132°34		1°2/25.3 18			<b>204570</b>	2005 <i>EA</i> <sub>317</sub>	6 25.4 190°14		1°		

EPHEMERIDES

6 25.4

6 25.4

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>193339</b>	2000 <i>UO</i> <sub>5</sub>		6 25.4 297°04	5°6/24.2	18		<b>46829</b>	McMahon		6 25.4 292°26	3°9/25.3	18	
5 21	18 46.33	-32 58.0	1.661	2.516	15.2	19.4	5 21	18 46.79	-31 21.0	1.509	2.371	16.2	18.6
5 31	18 41.68	-34 12.9	1.574	2.499	12.0	19.2	5 31	18 42.11	-31 43.7	1.419	2.350	12.6	18.4
6 10	18 33.94	-35 26.0	1.509	2.481	8.6	19.0	6 10	18 34.24	-32 1.5	1.350	2.330	8.6	18.1
6 20	18 23.75	-36 30.5	1.467	2.464	5.9	18.8	6 20	18 23.87	-32 9.5	1.303	2.309	4.7	17.8
6 30	18 12.28	-37 19.7	1.451	2.447	6.2	18.7	6 30	18 12.31	-32 4.0	1.282	2.289	4.6	17.7
7 10	18 1.08	-37 50.1	1.460	2.430	9.3	18.9	7 10	18 1.19	-31 43.9	1.285	2.269	8.6	17.9
7 20	17 51.64	-38 1.7	1.493	2.413	13.0	19.0	7 20	17 52.00	-31 11.9	1.311	2.249	13.1	18.1
7 30	17 45.16	-37 58.2	1.545	2.397	16.5	19.2	7 30	17 45.92	-30 32.6	1.358	2.229	17.2	18.3
<b>358385</b>	2006 <i>YK</i> <sub>32</sub>		6 25.4 323°55	5°1/25.9	18		<b>448012</b>	2008 <i>DY</i> <sub>43</sub>		6 25.4 348°32	6°8/24.9	17	
5 21	18 46.76	-38 18.2	1.925	2.764	14.1	20.4	5 21	18 45.50	-39 51.3	1.901	2.739	14.3	21.0
5 31	18 41.33	-38 17.9	1.839	2.752	11.3	20.2	5 31	18 40.60	-40 40.4	1.828	2.735	11.6	20.8
6 10	18 33.25	-38 5.8	1.775	2.740	8.2	20.0	6 10	18 32.94	-41 19.5	1.776	2.731	9.0	20.6
6 20	18 23.34	-37 38.1	1.735	2.728	5.7	19.8	6 20	18 23.30	-41 43.1	1.748	2.728	7.0	20.5
6 30	18 12.76	-36 53.1	1.722	2.717	5.4	19.8	6 30	18 12.87	-41 47.2	1.745	2.726	7.1	20.5
7 10	18 2.86	-35 52.2	1.734	2.707	7.8	19.9	7 10	18 3.06	-41 31.3	1.767	2.724	9.0	20.6
7 20	17 54.74	-34 39.7	1.772	2.697	11.0	20.1	7 20	17 55.05	-40 58.2	1.813	2.722	11.7	20.8
7 30	17 49.25	-33 21.1	1.832	2.687	14.2	20.3	7 30	17 49.75	-40 12.6	1.880	2.721	14.5	21.0
<b>235793</b>	2004 <i>XZ</i> <sub>13</sub>		6 25.4 151°96	1°5/25.2	18		<b>329198</b>	2012 <i>DL</i> <sub>46</sub>		6 25.4 155°06	1°4/25.3	17	
5 21	18 45.53	-26 24.4	2.142	2.988	12.6	21.2	5 21	18 49.00	-26 16.6	1.852	2.699	14.2	22.2
5 31	18 39.89	-26 52.4	2.068	2.993	9.6	21.0	5 31	18 42.77	-26 33.4	1.780	2.706	10.8	22.0
6 10	18 32.14	-27 19.9	2.017	2.998	6.1	20.8	6 10	18 34.06	-26 49.1	1.731	2.713	6.9	21.8
6 20	18 22.91	-27 43.9	1.993	3.003	2.6	20.6	6 20	18 23.65	-27 0.7	1.708	2.719	2.8	21.5
6 30	18 13.12	-28 2.4	1.996	3.007	2.4	20.6	6 30	18 12.62	-27 6.1	1.712	2.725	2.5	21.5
7 10	18 3.79	-28 14.3	2.027	3.011	5.9	20.8	7 10	18 2.21	-27 4.9	1.744	2.730	6.5	21.8
7 20	17 55.84	-28 19.9	2.084	3.015	9.3	21.0	7 20	17 53.46	-26 58.2	1.801	2.734	10.4	22.0
7 30	17 49.96	-28 20.8	2.165	3.018	12.4	21.2	7 30	17 47.18	-26 48.0	1.881	2.738	13.8	22.2
<b>43215</b>	2000 <i>AN</i> <sub>138</sub>		6 25.4 340°72	0°1/25.4	18		<b>342415</b>	2008 <i>UP</i> <sub>67</sub>		6 25.4 43°53	1°0/25.4	17	
5 21	18 42.59	-20 15.8	1.235	2.114	17.9	17.5	5 21	18 44.10	-22 5.7	1.760	2.617	14.4	20.3
5 31	18 39.05	-20 59.8	1.164	2.107	13.7	17.2	5 31	18 39.06	-21 43.7	1.689	2.620	10.9	20.1
6 10	18 32.32	-21 53.2	1.112	2.100	8.7	16.9	6 10	18 31.72	-21 22.4	1.639	2.623	6.9	19.9
6 20	18 23.15	-22 52.3	1.081	2.094	3.1	16.6	6 20	18 22.80	-21 1.2	1.615	2.627	2.7	19.6
6 30	18 12.86	-23 52.2	1.075	2.089	2.7	16.5	6 30	18 13.34	-20 40.5	1.617	2.630	2.3	19.6
7 10	18 3.09	-24 48.4	1.092	2.085	8.3	16.9	7 10	18 4.49	-20 20.9	1.645	2.634	6.5	19.9
7 20	17 55.34	-25 37.9	1.131	2.081	13.5	17.1	7 20	17 57.21	-20 3.5	1.699	2.638	10.5	20.1
7 30	17 50.73	-26 20.2	1.190	2.078	18.0	17.4	7 30	17 52.23	-19 49.5	1.774	2.642	14.0	20.4
<b>283670</b>	2002 <i>PN</i> <sub>137</sub>		6 25.4 334°20	4°5/26.4	17		<b>278078</b>	2007 <i>AQ</i> <sub>24</sub>		6 25.4 201°05	0°1/25.4	18	
5 21	18 37.14	-11 50.6	1.305	2.176	17.6	20.0	5 21	18 46.35	-22 16.3	1.933	2.781	13.7	21.1
5 31	18 34.79	-12 5.6	1.216	2.150	14.0	19.7	5 31	18 40.76	-22 36.3	1.851	2.778	10.4	20.9
6 10	18 29.63	-12 37.8	1.146	2.126	9.8	19.4	6 10	18 32.85	-22 59.1	1.792	2.774	6.6	20.7
6 20	18 22.22	-13 28.1	1.097	2.102	5.7	19.1	6 20	18 23.25	-23 22.3	1.758	2.771	2.4	20.4
6 30	18 13.61	-14 35.2	1.071	2.080	4.9	19.0	6 30	18 12.94	-23 43.9	1.752	2.766	2.0	20.4
7 10	18 5.22	-15 55.0	1.069	2.059	8.9	19.1	7 10	18 3.04	-24 2.4	1.774	2.761	6.3	20.6
7 20	17 58.41	-17 22.3	1.088	2.040	13.7	19.3	7 20	17 54.58	-24 17.6	1.821	2.756	10.2	20.9
7 30	17 54.37	-18 51.8	1.127	2.023	18.2	19.5	7 30	17 48.35	-24 30.1	1.892	2.750	13.6	21.1
<b>236495</b>	2006 <i>GJ</i> <sub>14</sub>		6 25.4 14°02	2°3/25.7	17		<b>502327</b>	2015 <i>BL</i> <sub>167</sub>		6 25.4 314°64	3°6/25.4	17	
5 21	18 41.40	-17 30.5	1.531	2.396	15.8	20.2	5 21	18 45.10	-30 44.8	1.360	2.231	17.0	20.4
5 31	18 37.32	-17 29.9	1.465	2.398	12.1	20.0	5 31	18 40.98	-30 59.7	1.279	2.216	13.3	20.1
6 10	18 30.76	-17 36.2	1.418	2.402	7.9	19.7	6 10	18 33.56	-31 9.0	1.218	2.201	8.9	19.8
6 20	18 22.47	-17 48.9	1.396	2.405	3.6	19.5	6 20	18 23.63	-31 8.4	1.179	2.187	4.6	19.6
6 30	18 13.52	-18 6.8	1.398	2.410	3.1	19.4	6 30	18 12.58	-30 54.5	1.163	2.173	4.4	19.5
7 10	18 5.16	-18 28.7	1.425	2.414	7.2	19.7	7 10	18 2.13	-30 27.3	1.172	2.159	8.7	19.7
7 20	17 58.44	-18 53.2	1.476	2.420	11.4	20.0	7 20	17 53.79	-29 49.9	1.203	2.147	13.5	19.9
7 30	17 54.17	-19 19.4	1.548	2.426	15.1	20.2	7 30	17 48.70	-29 7.1	1.253	2.134	17.7	20.2
<b>60129</b>	1999 <i>TG</i> <sub>256</sub>		6 25.4 302°14	5°5/25.5	18		<b>341352</b>	2007 <i>TT</i> <sub>58</sub>		6 25.4 163°15	4°2/25.2	18	
5 21	18 39.75	- 8 55.5	2.163	2.992	13.1	19.6	5 21	18 48.22	-37 20.8	2.745	3.564	10.9	22.0
5 31	18 35.41	- 8 13.7	2.079	2.983	10.6	19.4	5 31	18 41.62	-37 47.4	2.670	3.570	8.7	21.9
6 10	18 29.28	- 7 40.6	2.017	2.975	7.9	19.3	6 10	18 33.09	-38 6.6	2.618	3.576	6.3	21.7
6 20	18 21.90	- 7 18.3	1.980	2.966	5.9	19.1	6 20	18 23.27	-38 15.2	2.594	3.581	4.5	21.6
6 30	18 14.00	- 7 8.5	1.970	2.957	5.7	19.1	6 30	18 12.99	-38 11.4	2.597	3.586	4.4	21.6
7 10	18 6.42	- 7 11.2	1.985	2.949	7.7	19.2	7 10	18 3.20	-37 55.1	2.629	3.590	6.2	21.8
7 20	17 59.92	- 7 25.8	2.025	2.940	10.4	19.3	7 20	17 54.72	-37 28.1	2.688	3.594	8.5	21.9
7 30	17 55.14	- 7 50.6	2.088	2.932	13.1	19.5	7 30	17 48.17	-36 53.5	2.771	3.597	10.7	22.1
<b>89753</b>	2002 <i>AO</i> <sub>34</sub>		6 25.4 68°07	1°5/25.7	17		<b>121763</b>	1999 <i>YA</i> <sub>10</sub>		6 25.4 265°48	0°1/25.4	18	
5 21	18 41.43	-17 21.4	2.209	3.053	12.3	19.4	5 21	18 41.58	-22 28.0	2.478	3.322	11.2	20.0
5 31	18 36.67	-17 39.3	2.132	3.056	9.4	19.2	5 31	18 36.78	-22 45.7	2.384	3.309	8.5	19.8
6 10	18 30.06	-18 2.8	2.079	3.058	6.1	19.0	6 10	18 30.17	-23 5.5	2.313	3.295	5.4	19.5
6 20	18 22.18	-18 31.0	2.051	3.061	2.7	18.8	6 20	18 22.27	-23 25.8	2.269	3.281	1.9	19.3
6 30	18 13.78	-19 2.3	2.052	3.064	2.2	18.7	6 30	18 13.78	-23 45.1	2.253	3.267	1.6	19.2
7 10	18 5.75	-19 35.1	2.080	3.067	5.6	19.0	7 10	18 5.52	-24 2.4	2.266	3.253	5.1	19.5
7 20	17 58.87	-20 8.3	2.134	3.069	8.9	19.2	7 20	17 58.28	-24 17.3	2.305	3.238	8.4	19.6
7 30	17 53.78	-20 41.0	2.212	3.072	11.9	19.4	7 30	17 52.70	-24 30.0	2.368	3.224	11.4	19.8
<b>399872</b>	2005 <i>UL</i> <sub>501</sub>		6 25.4 222°64	9°3/25.3	18		<b>24194</b>	Palus					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>388275</b>	2006 <i>RS</i> <sub>70</sub>	6 25.4 299°59		0°7/25.5 18			<b>100517</b>	1997 <i>BD</i>	6 25.5 113°24		1°0/25.4 18		
5 21	18 42.18	-21 22.6	1.982	2.835	13.2	21.1	5 21	18 42.75	-25 30.0	2.220	3.069	12.1	20.0
5 31	18 37.54	-21 21.5	1.899	2.828	10.0	20.9	5 31	18 37.76	-25 44.5	2.143	3.070	9.2	19.8
6 10	18 30.77	-21 22.5	1.838	2.822	6.4	20.7	6 10	18 30.80	-25 58.7	2.089	3.071	5.8	19.6
6 20	18 22.50	-21 24.8	1.803	2.815	2.4	20.4	6 20	18 22.50	-26 10.6	2.061	3.073	2.2	19.4
6 30	18 13.61	-21 27.5	1.795	2.808	2.0	20.4	6 30	18 13.68	-26 18.6	2.061	3.074	2.0	19.3
7 10	18 5.11	-21 30.1	1.813	2.802	6.0	20.6	7 10	18 5.28	-26 22.2	2.088	3.075	5.5	19.6
7 20	17 57.92	-21 32.7	1.857	2.795	9.8	20.8	7 20	17 58.13	-26 21.9	2.142	3.076	8.9	19.8
7 30	17 52.78	-21 35.8	1.924	2.789	13.2	21.0	7 30	17 52.90	-26 18.7	2.219	3.078	11.9	20.0
<b>183335</b>	2002 <i>VQ</i> <sub>80</sub>	6 25.4 309°17		0°1/25.4 18			<b>507138</b>	2009 <i>VB</i> <sub>97</sub>	6 25.5 219°91		0°6/25.4 18		
5 21	18 43.45	-21 8.9	1.420	2.289	16.5	19.5	5 21	18 46.13	-24 17.4	2.122	2.966	12.8	22.5
5 31	18 39.46	-21 41.9	1.337	2.275	12.7	19.3	5 31	18 40.48	-24 32.7	2.033	2.958	9.7	22.3
6 10	18 32.52	-22 21.9	1.274	2.261	8.1	19.0	6 10	18 32.64	-24 48.7	1.967	2.949	6.2	22.1
6 20	18 23.28	-23 5.9	1.234	2.247	2.9	18.6	6 20	18 23.20	-25 3.3	1.928	2.940	2.3	21.8
6 30	18 12.90	-23 50.1	1.220	2.234	2.5	18.5	6 30	18 13.07	-25 14.5	1.917	2.930	2.0	21.8
7 10	18 2.89	-24 31.3	1.229	2.221	7.8	18.8	7 10	18 3.29	-25 21.6	1.933	2.919	5.9	22.0
7 20	17 54.64	-25 7.7	1.262	2.208	12.8	19.1	7 20	17 54.81	-25 24.7	1.976	2.908	9.7	22.2
7 30	17 49.27	-25 39.1	1.316	2.196	17.1	19.3	7 30	17 48.43	-25 25.1	2.042	2.897	12.9	22.4
<b>207718</b>	2007 <i>RF</i> <sub>122</sub>	6 25.4 266°36		7°3/24.4 18			<b>107388</b>	2001 <i>CY</i> <sub>43</sub>	6 25.5 53°97		2°2/25.0 18		
5 21	18 49.25	-41 24.9	2.073	2.897	13.8	20.3	5 21	18 47.50	-23 46.9	1.282	2.153	17.9	18.4
5 31	18 43.52	-42 26.2	1.987	2.882	11.4	20.1	5 31	18 42.48	-24 58.6	1.230	2.169	13.5	18.2
6 10	18 34.90	-43 18.2	1.922	2.867	9.0	19.9	6 10	18 34.28	-26 14.7	1.199	2.186	8.5	18.0
6 20	18 24.09	-43 54.5	1.882	2.852	7.4	19.8	6 20	18 23.83	-27 28.6	1.191	2.203	3.5	17.7
6 30	18 12.25	-44 10.3	1.867	2.837	7.6	19.8	6 30	18 12.60	-28 33.9	1.208	2.220	3.5	17.8
7 10	18 0.82	-44 4.0	1.878	2.822	9.4	19.8	7 10	18 2.23	-29 26.5	1.250	2.237	8.3	18.1
7 20	17 51.12	-43 37.8	1.913	2.806	12.0	20.0	7 20	17 54.10	-30 5.7	1.314	2.255	12.8	18.4
7 30	17 44.18	-42 56.5	1.969	2.791	14.6	20.1	7 30	17 49.14	-30 33.4	1.399	2.273	16.7	18.7
<b>296460</b>	2009 <i>HQ</i> <sub>80</sub>	6 25.5 14°69		9°8/26.4 18			<b>168152</b>	2006 <i>HO</i> <sub>40</sub>	6 25.5 68°38		4°1/25.8 17		
5 21	18 38.86	+ 0 24.5	1.789	2.599	16.2	20.0	5 21	18 45.36	-14 50.8	1.335	2.198	17.8	19.9
5 31	18 34.97	+ 1 24.8	1.726	2.602	13.9	19.9	5 31	18 40.52	-14 29.3	1.276	2.206	13.8	19.6
6 10	18 29.10	+ 2 7.1	1.683	2.606	11.6	19.7	6 10	18 32.88	-14 17.3	1.235	2.214	9.3	19.4
6 20	18 21.88	+ 2 27.5	1.662	2.610	10.1	19.6	6 20	18 23.30	-14 15.6	1.218	2.223	5.2	19.2
6 30	18 14.17	+ 2 23.6	1.664	2.615	9.9	19.6	6 30	18 13.05	-14 24.0	1.224	2.232	4.7	19.2
7 10	18 6.93	+ 1 56.1	1.688	2.620	11.1	19.7	7 10	18 3.57	-14 41.5	1.255	2.240	8.5	19.4
7 20	18 0.98	+ 1 7.9	1.736	2.626	13.1	19.9	7 20	17 56.04	-15 6.5	1.309	2.249	12.9	19.7
7 30	17 56.98	+ 0 3.7	1.803	2.633	15.4	20.0	7 30	17 51.30	-15 37.1	1.383	2.258	16.7	20.0
<b>119498</b>	2001 <i>UU</i> <sub>109</sub>	6 25.5 84°85		0°7/25.4 18			<b>20354</b>	Rebeccachan	6 25.5 66°82		0°9/25.6 17		
5 21	18 48.24	-23 13.8	1.347	2.213	17.4	19.1	5 21	18 46.15	-19 25.0	1.376	2.241	17.2	18.4
5 31	18 42.84	-23 41.9	1.289	2.226	13.2	18.9	5 31	18 41.17	-19 52.0	1.317	2.252	13.1	18.1
6 10	18 34.40	-24 12.9	1.252	2.238	8.3	18.6	6 10	18 33.32	-20 26.0	1.278	2.263	8.3	17.9
6 20	18 23.84	-24 43.0	1.238	2.250	3.0	18.3	6 20	18 23.47	-21 4.4	1.262	2.274	3.1	17.6
6 30	18 12.56	-25 8.8	1.249	2.262	2.6	18.3	6 30	18 12.90	-21 43.7	1.272	2.286	2.5	17.6
7 10	18 2.14	-25 28.6	1.284	2.274	7.7	18.7	7 10	18 3.09	-22 21.2	1.306	2.297	7.5	17.9
7 20	17 53.86	-25 42.4	1.344	2.286	12.4	19.0	7 20	17 55.25	-22 55.5	1.365	2.309	12.1	18.2
7 30	17 48.63	-25 51.9	1.423	2.298	16.4	19.3	7 30	17 50.27	-23 26.3	1.444	2.320	16.1	18.5
<b>251842</b>	1999 <i>TE</i> <sub>262</sub>	6 25.5 180°65		2°7/25.5 18			<b>319597</b>	2006 <i>SB</i> <sub>184</sub>	6 25.5 356°30		9°2/24.5 17		
5 21	18 40.84	-15 39.3	2.477	3.314	11.4	21.1	5 21	18 39.89	-36 26.9	0.980	1.872	20.3	19.6
5 31	18 35.99	-15 15.0	2.397	3.314	8.8	20.9	5 31	18 38.19	-37 50.5	0.923	1.865	16.4	19.4
6 10	18 29.54	-14 54.8	2.341	3.314	5.9	20.7	6 10	18 32.37	-39 4.8	0.883	1.859	12.4	19.1
6 20	18 22.01	-14 39.5	2.311	3.314	3.3	20.5	6 20	18 23.34	-39 59.3	0.862	1.856	9.5	18.9
6 30	18 14.08	-14 29.4	2.309	3.314	3.1	20.5	6 30	18 12.94	-40 25.2	0.861	1.854	9.7	19.0
7 10	18 6.50	-14 24.6	2.335	3.314	5.6	20.7	7 10	18 3.50	-40 20.2	0.879	1.855	12.9	19.1
7 20	17 59.94	-14 25.1	2.387	3.314	8.5	20.9	7 20	17 56.96	-39 48.4	0.916	1.857	16.9	19.4
7 30	17 54.96	-14 30.4	2.463	3.313	11.1	21.1	7 30	17 54.60	-38 57.9	0.969	1.861	20.8	19.6
<b>97052</b>	1999 <i>UV</i> <sub>49</sub>	6 25.5 181°97		0°6/25.4 18			<b>398202</b>	2010 <i>MC</i> <sub>100</sub>	6 25.5 283°80		0°3/25.4 18		
5 21	18 44.96	-23 39.9	2.228	3.071	12.3	20.2	5 21	18 41.92	-23 30.7	2.264	3.113	11.9	21.5
5 31	18 39.42	-24 3.1	2.147	3.072	9.3	20.0	5 31	18 37.23	-23 42.5	2.169	3.096	9.1	21.2
6 10	18 31.87	-24 27.5	2.091	3.072	5.9	19.8	6 10	18 30.56	-23 55.4	2.097	3.079	5.7	21.0
6 20	18 22.89	-24 51.2	2.060	3.072	2.2	19.6	6 20	18 22.46	-24 8.0	2.051	3.063	2.1	20.7
6 30	18 13.33	-25 12.0	2.058	3.071	1.9	19.5	6 30	18 13.70	-24 18.7	2.032	3.046	1.8	20.7
7 10	18 4.16	-25 28.9	2.084	3.071	5.6	19.8	7 10	18 5.19	-24 26.8	2.041	3.029	5.6	20.9
7 20	17 56.24	-25 41.7	2.137	3.069	9.1	20.0	7 20	17 57.81	-24 32.3	2.077	3.012	9.1	21.1
7 30	17 50.27	-25 51.2	2.213	3.067	12.1	20.2	7 30	17 52.26	-24 35.8	2.136	2.995	12.3	21.3
<b>462564</b>	2009 <i>DP</i> <sub>52</sub>	6 25.5 13°53		4°1/25.2 17			<b>387287</b>	2012 <i>UM</i> <sub>159</sub>	6 25.5 262°79		4°1/25.0 16		
5 21	18 40.22	-29 8.6	0.916	1.817	20.6	20.0	5 21	18 46.02	-32 41.2	1.933	2.781	13.7	21.2
5 31	18 37.98	-29 45.4	0.868	1.822	15.8	19.8	5 31	18 40.76	-33 20.9	1.855	2.777	10.7	21.0
6 10	18 31.89	-30 18.3	0.838	1.828	10.4	19.5	6 10	18 32.97	-33 56.0	1.799	2.773	7.4	20.8
6 20	18 23.04	-30 41.3	0.826	1.836	5.3	19.2	6 20	18 23.35	-34 22.0	1.768	2.768	4.6	20.6
6 30	18 13.25	-30 49.9	0.835	1.846	5.1	19.3	6 30	18 12.97	-34 35.6	1.763	2.764	4.6	20.6
7 10	18 4.61	-30 43.3	0.864	1.857	9.9	19.6	7 10	18 3.07	-34 35.8	1.785	2.760	7.4	20.8
7 20	17 58.74	-30 24.7	0.913	1.870	15.0	19.9	7 20	17 54.77	-34 23.9	1.831	2.756	10.8	21.0
7 30	17 56.62	-29 58.8	0.979	1.885	19.5	20.2	7 30	17 48.92	-34 3.3	1.900	2.751	13.9	21.2
<b>46977</b>	Krakow	6 25.5 194°72		3°5/25.0 18			<b>311483</b>	2005 <i>VR</i> <sub>47</sub>	6 25.5 193°15		1°2/25.6 18		
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>134682</b>	1999 <i>XM</i> <sub>27</sub>		6 25.5 229°47'	2°6/25.5	18		<b>96186</b>	1990 <i>SF</i> <sub>8</sub>		6 25.5 241°32'	3°2/25.1	18	
5 21	18 46.53	-17 30.0	1.936	2.778	13.9	20.3	5 21	18 49.76	-29 25.4	1.711	2.561	15.1	19.5
5 31	18 40.88	-17 7.1	1.845	2.767	10.8	20.1	5 31	18 44.02	-30 2.9	1.622	2.548	11.7	19.3
6 10	18 32.94	-16 47.9	1.777	2.754	7.1	19.9	6 10	18 35.31	-30 38.7	1.554	2.533	7.8	19.0
6 20	18 23.33	-16 32.7	1.734	2.741	3.5	19.6	6 20	18 24.32	-31 8.0	1.511	2.518	4.1	18.8
6 30	18 12.99	-16 21.8	1.718	2.728	3.3	19.6	6 30	18 12.22	-31 26.4	1.494	2.502	4.0	18.7
7 10	18 3.01	-16 15.5	1.730	2.713	6.9	19.8	7 10	18 0.51	-31 32.2	1.504	2.486	7.9	18.9
7 20	17 54.38	-16 14.0	1.768	2.698	10.7	20.0	7 20	17 50.53	-31 26.4	1.539	2.469	12.1	19.1
7 30	17 47.92	-16 17.5	1.828	2.682	14.2	20.2	7 30	17 43.37	-31 12.4	1.595	2.451	15.8	19.3
<b>96924</b>	1999 <i>TV</i> <sub>122</sub>		6 25.5 213°74'	3°0/25.1	18		<b>479063</b>	2013 <i>AK</i> <sub>78</sub>		6 25.5 204°06'	3°9/25.9	18	
5 21	18 47.13	-31 52.8	2.478	3.311	11.5	21.3	5 21	18 41.12	-11 13.4	2.362	3.191	12.2	21.9
5 31	18 41.08	-32 22.5	2.388	3.303	8.9	21.1	5 31	18 36.32	-11 0.1	2.280	3.189	9.6	21.7
6 10	18 32.94	-32 48.3	2.322	3.294	6.1	20.9	6 10	18 29.84	-10 54.9	2.221	3.186	6.8	21.6
6 20	18 23.31	-33 6.9	2.283	3.285	3.5	20.7	6 20	18 22.19	-10 58.3	2.188	3.184	4.4	21.4
6 30	18 13.03	-33 16.1	2.272	3.275	3.5	20.7	6 30	18 14.07	-11 10.6	2.182	3.181	4.2	21.4
7 10	18 3.09	-33 15.0	2.290	3.264	6.1	20.8	7 10	18 6.26	-11 30.9	2.204	3.178	6.3	21.5
7 20	17 54.38	-33 4.6	2.334	3.253	9.0	21.0	7 20	17 59.49	-11 58.1	2.252	3.175	9.1	21.7
7 30	17 47.65	-32 47.3	2.402	3.241	11.8	21.2	7 30	17 54.33	-12 30.8	2.323	3.171	11.8	21.9
<b>483704</b>	2005 <i>SO</i> <sub>95</sub>		6 25.5 210°88'	5°2/24.7	18		<b>51420</b>	2001 <i>EV</i> <sub>20</sub>		6 25.5 23°89'	2°0/25.4	17	
5 21	18 46.59	-39 29.1	2.641	3.460	11.3	21.7	5 21	18 42.45	-21 20.6	1.070	1.958	19.3	18.9
5 31	18 40.71	-40 13.8	2.559	3.456	9.1	21.5	5 31	18 38.85	-20 45.6	1.020	1.967	14.7	18.6
6 10	18 32.72	-40 50.9	2.501	3.451	7.0	21.4	6 10	18 32.03	-20 13.0	0.989	1.978	9.4	18.4
6 20	18 23.23	-41 16.3	2.468	3.446	5.5	21.3	6 20	18 23.04	-19 43.5	0.978	1.990	3.8	18.1
6 30	18 13.10	-41 27.2	2.463	3.441	5.5	21.3	6 30	18 13.43	-19 18.0	0.990	2.003	3.4	18.1
7 10	18 3.36	-41 22.8	2.485	3.435	7.1	21.4	7 10	18 4.86	-18 57.7	1.024	2.018	8.6	18.5
7 20	17 54.92	-41 4.8	2.533	3.429	9.3	21.5	7 20	17 58.63	-18 43.8	1.080	2.033	13.6	18.8
7 30	17 48.51	-40 36.1	2.604	3.423	11.5	21.7	7 30	17 55.56	-18 36.5	1.154	2.049	17.9	19.1
<b>365837</b>	2011 <i>UW</i> <sub>1</sub>		6 25.5 142°58'	2°4/25.4	17		<b>296541</b>	2009 <i>OP</i> <sub>23</sub>		6 25.5 240°19'	5°8/26.4	18	
5 21	18 50.45	-28 23.0	1.521	2.377	16.3	21.4	5 21	18 39.32	-4 21.8	2.514	3.320	12.2	20.7
5 31	18 44.39	-28 39.9	1.454	2.384	12.5	21.1	5 31	18 34.86	-4 4.3	2.433	3.317	10.0	20.6
6 10	18 35.35	-28 53.4	1.408	2.390	8.1	20.9	6 10	18 28.88	-3 58.4	2.374	3.314	7.8	20.4
6 20	18 24.21	-28 59.9	1.387	2.396	3.6	20.7	6 20	18 21.84	-4 5.5	2.340	3.311	6.1	20.3
6 30	18 12.34	-28 56.6	1.391	2.402	3.3	20.6	6 30	18 14.38	-4 26.1	2.333	3.308	5.9	20.3
7 10	18 1.28	-28 43.6	1.421	2.407	7.7	20.9	7 10	18 7.19	-4 59.3	2.352	3.305	7.3	20.4
7 20	17 52.31	-28 23.1	1.475	2.412	12.0	21.2	7 20	18 0.93	-5 43.3	2.397	3.302	9.4	20.5
7 30	17 46.31	-27 58.8	1.551	2.416	15.8	21.4	7 30	17 56.13	-6 35.6	2.466	3.299	11.7	20.7
<b>523182</b>	2016 <i>TV</i> <sub>99</sub>		6 25.5 280°75'	5°3/25.7	18		<b>504273</b>	2006 <i>WV</i> <sub>42</sub>		6 25.5 224°99'	3°4/25.7	17	
5 21	18 40.01	-8 43.8	2.258	3.085	12.7	21.5	5 21	18 45.23	-15 1.0	1.860	2.702	14.4	22.3
5 31	18 35.58	-8 8.3	2.173	3.076	10.3	21.3	5 31	18 39.94	-14 40.9	1.775	2.694	11.2	22.1
6 10	18 29.41	-7 41.6	2.111	3.067	7.7	21.1	6 10	18 32.38	-14 27.2	1.712	2.686	7.6	21.9
6 20	18 22.02	-7 25.6	2.073	3.058	5.7	21.0	6 20	18 23.17	-14 20.5	1.673	2.677	4.3	21.6
6 30	18 14.13	-7 21.5	2.062	3.049	5.5	20.9	6 30	18 13.26	-14 21.1	1.662	2.668	3.9	21.6
7 10	18 6.54	-7 29.3	2.077	3.041	7.4	21.0	7 10	18 3.73	-14 28.8	1.677	2.659	7.2	21.8
7 20	17 59.98	-7 48.1	2.117	3.032	10.0	21.2	7 20	17 55.57	-14 42.9	1.718	2.649	11.0	22.0
7 30	17 55.08	-8 16.1	2.181	3.023	12.7	21.3	7 30	17 49.59	-15 2.6	1.781	2.638	14.4	22.2
<b>159080</b>	2004 <i>TG</i> <sub>223</sub>		6 25.5 286°95'	9°8/25.9	18		<b>476988</b>	2008 <i>YA</i> <sub>93</sub>		6 25.5 246°64'	0°9/25.6	18	
5 21	18 41.33	+ 0 15.0	1.815	2.619	16.2	20.1	5 21	18 44.18	-19 22.3	2.225	3.067	12.4	22.4
5 31	18 37.09	+ 1 7.9	1.725	2.599	14.0	19.9	5 31	18 38.96	-19 41.6	2.129	3.052	9.5	22.2
6 10	18 30.65	+ 1 44.0	1.655	2.578	11.7	19.7	6 10	18 31.71	-20 5.5	2.056	3.037	6.1	22.0
6 20	18 22.56	+ 1 58.7	1.607	2.558	10.1	19.5	6 20	18 22.94	-20 32.8	2.010	3.021	2.4	21.7
6 30	18 13.66	+ 1 48.9	1.582	2.537	10.0	19.5	6 30	18 13.45	-21 1.6	1.991	3.005	1.9	21.6
7 10	18 4.98	+ 1 14.2	1.581	2.516	11.4	19.5	7 10	18 4.18	-21 30.4	2.001	2.988	5.7	21.8
7 20	17 57.51	+ 0 17.2	1.602	2.496	13.9	19.6	7 20	17 56.02	-21 58.3	2.038	2.971	9.4	22.0
7 30	17 52.08	- 0 57.6	1.644	2.475	16.6	19.7	7 30	17 49.73	-22 24.9	2.098	2.954	12.6	22.2
<b>371969</b>	2008 <i>FV</i> <sub>128</sub>		6 25.5 257°82'	3°0/25.7	17		<b>309176</b>	2007 <i>BF</i> <sub>75</sub>		6 25.5 339°51'	0°6/25.5	17	
5 21	18 44.14	-15 50.5	1.671	2.523	15.3	21.2	5 21	18 42.86	-21 0.1	1.443	2.312	16.3	19.8
5 31	18 39.36	-15 42.1	1.590	2.516	11.9	20.9	5 31	18 38.81	-21 12.7	1.369	2.307	12.4	19.5
6 10	18 32.11	-15 41.1	1.530	2.509	7.9	20.7	6 10	18 31.97	-21 30.2	1.315	2.302	7.9	19.3
6 20	18 23.08	-15 47.5	1.494	2.501	4.1	20.4	6 20	18 23.09	-21 50.5	1.285	2.297	2.9	19.0
6 30	18 13.26	-16 0.9	1.485	2.494	3.7	20.4	6 30	18 13.34	-22 11.5	1.279	2.293	2.4	18.9
7 10	18 3.87	-16 20.4	1.501	2.486	7.4	20.6	7 10	18 4.12	-22 31.6	1.298	2.289	7.5	19.2
7 20	17 55.99	-16 44.7	1.541	2.479	11.5	20.8	7 20	17 56.67	-22 50.1	1.340	2.286	12.1	19.5
7 30	17 50.48	-17 12.8	1.603	2.471	15.2	21.0	7 30	17 51.96	-23 7.1	1.403	2.284	16.2	19.7
<b>425705</b>	2011 <i>BM</i> <sub>9</sub>		6 25.5 192°16'	0°4/25.4	17		<b>480551</b>	2015 <i>MJ</i> <sub>57</sub>		6 25.5 316°88'	1°9/25.9	18	
5 21	18 46.98	-23 30.8	1.970	2.817	13.5	21.9	5 21	18 41.56	-16 10.4	2.123	2.967	12.8	21.1
5 31	18 41.21	-23 44.7	1.889	2.815	10.3	21.7	5 31	18 36.92	-16 29.5	2.042	2.964	9.8	20.8
6 10	18 33.13	-23 59.8	1.831	2.813	6.5	21.5	6 10	18 30.36	-16 55.7	1.984	2.962	6.4	20.6
6 20	18 23.41	-24 14.0	1.799	2.811	2.4	21.2	6 20	18 22.42	-17 27.9	1.951	2.959	3.0	20.4
6 30	18 13.02	-24 25.3	1.795	2.808	2.0	21.1	6 30	18 13.91	-18 4.6	1.946	2.957	2.5	20.4
7 10	18 3.08	-24 32.9	1.818	2.805	6.2	21.4	7 10	18 5.72	-18 43.9	1.968	2.955	5.8	20.6
7 20	17 54.59	-24 37.2	1.867	2.801	10.0	21.6	7 20	17 58.69	-19 24.3	2.017	2.952	9.3	20.8
7 30	17 48.33	-24 39.3	1.939	2.796	13.4	21.8	7 30	17 53.51	-20 4.5	2.089	2.950	12.4	21.0
<b>12945</b>	9534 <i>P-L</i>		6 25.5 28°95'	2°8/25.7	18		<b>269035</b>	2007 <i></i>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>211423</b>	2002 XE <sub>1</sub>		6 25.5 325°04	3°0/24.8	18		<b>370457</b>	2003 AZ <sub>21</sub>		6 25.5 248°62	1°5/25.3	18	
5 21	18 40.99	-25 59.8	1.437	2.312	16.1	18.8	5 21	18 47.36	-26 12.0	1.921	2.769	13.8	21.5
5 31	18 37.97	-27 3.4	1.340	2.280	12.4	18.5	5 31	18 41.83	-26 33.8	1.826	2.752	10.6	21.3
6 10	18 31.88	-28 13.1	1.263	2.250	8.2	18.1	6 10	18 33.76	-26 55.6	1.754	2.736	6.8	21.0
6 20	18 23.23	-29 23.9	1.210	2.220	4.0	17.8	6 20	18 23.77	-27 14.2	1.707	2.718	2.8	20.7
6 30	18 13.10	-30 29.5	1.181	2.191	4.2	17.7	6 30	18 12.86	-27 27.1	1.688	2.700	2.6	20.7
7 10	18 3.04	-31 24.6	1.176	2.163	8.8	17.9	7 10	18 2.25	-27 33.1	1.696	2.682	6.7	20.9
7 20	17 54.60	-32 6.8	1.193	2.136	13.7	18.1	7 20	17 53.08	-27 32.5	1.729	2.662	10.8	21.1
7 30	17 49.15	-32 36.5	1.230	2.110	18.1	18.3	7 30	17 46.28	-27 27.3	1.785	2.643	14.4	21.3
<b>245728</b>	2006 DO <sub>48</sub>		6 25.5 0°47	7°5/26.4	17		<b>25226</b>	Brasch		6 25.5 336°97	0°8/25.4	18	
5 21	18 38.24	-9 55.9	0.985	1.869	21.0	19.3	5 21	18 39.83	-24 34.0	1.142	2.032	18.2	18.1
5 31	18 35.97	-9 23.1	0.927	1.865	16.8	19.0	5 31	18 37.31	-24 41.6	1.067	2.016	14.0	17.8
6 10	18 30.48	-9 8.8	0.886	1.863	12.3	18.7	6 10	18 31.47	-24 50.2	1.010	2.001	9.0	17.4
6 20	18 22.61	-9 16.5	0.864	1.863	8.4	18.5	6 20	18 23.05	-24 57.5	0.974	1.987	3.4	17.1
6 30	18 13.78	-9 47.2	0.862	1.864	7.8	18.5	6 30	18 13.45	-25 1.0	0.960	1.975	2.9	17.0
7 10	18 5.69	-10 38.3	0.880	1.866	11.1	18.7	7 10	18 4.41	-24 59.7	0.969	1.964	8.7	17.3
7 20	17 59.76	-11 44.3	0.918	1.870	15.6	18.9	7 20	17 57.50	-24 54.4	0.998	1.954	14.2	17.6
7 30	17 57.05	-12 59.1	0.974	1.875	19.9	19.2	7 30	17 53.91	-24 47.1	1.045	1.946	18.9	17.8
<b>16350</b>	1964 VZ <sub>2</sub>		6 25.5 203°27	0°4/25.4	18		<b>336278</b>	2008 SL <sub>245</sub>		6 25.5 216°87	5°9/25.9	18	
5 21	18 42.80	-24 12.6	2.920	3.756	9.9	19.8	5 21	18 42.75	-6 5.0	2.311	3.121	13.0	21.8
5 31	18 37.40	-24 24.1	2.830	3.750	7.5	19.7	5 31	18 37.62	-5 34.8	2.224	3.114	10.6	21.6
6 10	18 30.45	-24 35.7	2.765	3.745	4.7	19.5	6 10	18 30.72	-5 15.3	2.159	3.105	8.2	21.4
6 20	18 22.43	-24 46.1	2.727	3.739	1.7	19.3	6 20	18 22.58	-5 8.3	2.120	3.097	6.3	21.3
6 30	18 13.96	-24 54.2	2.719	3.732	1.5	19.2	6 30	18 13.90	-5 14.9	2.108	3.088	6.1	21.2
7 10	18 5.76	-24 59.6	2.740	3.725	4.5	19.4	7 10	18 5.50	-5 34.8	2.122	3.078	7.8	21.3
7 20	17 58.47	-25 2.3	2.788	3.717	7.3	19.6	7 20	17 58.13	-6 6.5	2.162	3.068	10.3	21.5
7 30	17 52.65	-25 3.1	2.862	3.709	9.9	19.8	7 30	17 52.43	-6 47.8	2.225	3.057	12.8	21.6
<b>12142</b>	Franklow		6 25.5 210°50	1°3/25.6	18		<b>342549</b>	2008 UM <sub>233</sub>		6 25.5 159°70	2°7/25.4	17	
5 21	18 41.12	-18 35.5	2.797	3.632	10.3	19.8	5 21	18 46.25	-30 3.9	1.931	2.780	13.7	21.3
5 31	18 36.15	-18 35.8	2.708	3.627	7.8	19.6	5 31	18 40.78	-30 21.2	1.856	2.781	10.5	21.1
6 10	18 29.67	-18 39.2	2.644	3.621	5.1	19.4	6 10	18 32.92	-30 34.4	1.803	2.782	6.9	20.9
6 20	18 22.15	-18 45.0	2.606	3.616	2.2	19.2	6 20	18 23.39	-30 40.6	1.776	2.783	3.5	20.7
6 30	18 14.21	-18 52.9	2.598	3.609	1.9	19.2	6 30	18 13.25	-30 37.5	1.776	2.784	3.3	20.7
7 10	18 6.52	-19 2.3	2.618	3.603	4.7	19.4	7 10	18 3.66	-30 25.2	1.802	2.785	6.6	20.9
7 20	17 59.73	-19 13.0	2.666	3.596	7.6	19.6	7 20	17 55.66	-30 5.2	1.854	2.786	10.2	21.1
7 30	17 54.37	-19 24.7	2.738	3.589	10.1	19.7	7 30	17 50.02	-29 40.5	1.928	2.787	13.4	21.3
<b>166031</b>	2002 BP <sub>12</sub>		6 25.5 175°26	0°2/25.5	17		<b>237166</b>	2008 UH <sub>137</sub>		6 25.5 19°79	0°9/25.5	17	
5 21	18 47.22	-22 19.8	1.473	2.335	16.4	20.8	5 21	18 43.63	-21 7.9	1.744	2.602	14.5	21.3
5 31	18 42.02	-22 28.6	1.402	2.336	12.5	20.5	5 31	18 38.85	-21 2.8	1.671	2.603	11.0	21.1
6 10	18 33.95	-22 40.1	1.351	2.336	7.9	20.3	6 10	18 31.72	-21 0.2	1.620	2.604	7.0	20.8
6 20	18 23.81	-22 52.2	1.324	2.337	2.9	20.0	6 20	18 22.97	-20 59.1	1.593	2.605	2.7	20.6
6 30	18 12.84	-23 2.8	1.323	2.337	2.4	19.9	6 30	18 13.60	-20 58.9	1.593	2.606	2.2	20.5
7 10	18 2.51	-23 10.9	1.347	2.337	7.5	20.2	7 10	18 4.76	-20 59.1	1.619	2.608	6.5	20.8
7 20	17 54.08	-23 16.6	1.395	2.337	12.1	20.5	7 20	17 57.46	-21 0.0	1.669	2.610	10.6	21.1
7 30	17 48.48	-23 21.2	1.463	2.337	16.1	20.7	7 30	17 52.47	-21 2.2	1.742	2.611	14.1	21.3
<b>288453</b>	2004 EM <sub>67</sub>		6 25.5 68°51	1°8/25.6	17		<b>136593</b>	1993 FX <sub>19</sub>		6 25.5 34°36	5°1/24.6	18	
5 21	18 46.03	-19 6.0	1.466	2.327	16.5	21.1	5 21	18 45.50	-34 42.8	1.955	2.800	13.7	19.4
5 31	18 40.80	-19 2.0	1.411	2.343	12.6	20.8	5 31	18 40.42	-35 45.4	1.888	2.805	10.8	19.2
6 10	18 32.96	-19 3.2	1.376	2.359	8.0	20.6	6 10	18 32.81	-36 42.4	1.843	2.810	7.7	19.0
6 20	18 23.37	-19 8.7	1.365	2.376	3.4	20.4	6 20	18 23.39	-37 28.6	1.822	2.815	5.5	18.9
6 30	18 13.27	-19 17.2	1.379	2.392	2.8	20.4	6 30	18 13.23	-37 59.9	1.829	2.821	5.6	18.9
7 10	18 3.96	-19 28.0	1.419	2.408	7.3	20.7	7 10	18 3.60	-38 14.8	1.861	2.827	7.9	19.1
7 20	17 56.55	-19 40.5	1.483	2.425	11.5	21.0	7 20	17 55.59	-38 14.6	1.917	2.833	10.9	19.3
7 30	17 51.77	-19 54.6	1.568	2.441	15.2	21.3	7 30	17 50.04	-38 2.4	1.996	2.839	13.6	19.5
<b>519360</b>	2011 KO <sub>49</sub>		6 25.5 192°93	4°9/26.9	17		<b>379371</b>	2009 WA <sub>248</sub>		6 25.5 217°96	0°4/25.5	18	
5 21	18 44.67	-6 50.9	1.945	2.765	14.7	21.1	5 21	18 45.80	-21 12.5	2.178	3.019	12.6	22.4
5 31	18 39.39	-7 20.1	1.864	2.764	11.8	20.9	5 31	18 40.19	-21 26.9	2.088	3.011	9.6	22.2
6 10	18 32.00	-8 5.2	1.805	2.764	8.6	20.7	6 10	18 32.48	-21 44.1	2.021	3.002	6.1	22.0
6 20	18 23.06	-9 6.0	1.771	2.763	5.8	20.5	6 20	18 23.25	-22 2.6	1.980	2.992	2.3	21.7
6 30	18 13.46	-10 20.6	1.765	2.762	5.1	20.5	6 30	18 13.34	-22 20.7	1.968	2.982	1.8	21.7
7 10	18 4.19	-11 45.1	1.786	2.761	7.4	20.6	7 10	18 3.73	-22 37.5	1.984	2.971	5.8	21.9
7 20	17 56.18	-13 15.3	1.833	2.760	10.6	20.8	7 20	17 55.35	-22 52.3	2.027	2.960	9.4	22.1
7 30	17 50.19	-14 47.0	1.904	2.759	13.7	21.0	7 30	17 48.93	-23 5.8	2.093	2.948	12.7	22.3
<b>367709</b>	2010 TW <sub>18</sub>		6 25.5 214°23	2°0/25.3	17		<b>338655</b>	2003 SA <sub>334</sub>		6 25.5 168°71	4°6/25.1	18	
5 21	18 48.57	-27 26.2	1.866	2.713	14.1	21.7	5 21	18 48.06	-35 47.1	2.229	3.062	12.7	21.4
5 31	18 42.71	-27 49.8	1.781	2.707	10.8	21.5	5 31	18 42.01	-36 23.2	2.154	3.064	10.0	21.2
6 10	18 34.26	-28 12.0	1.720	2.700	7.0	21.3	6 10	18 33.64	-36 52.3	2.102	3.067	7.2	21.1
6 20	18 23.92	-28 29.5	1.683	2.693	3.1	21.0	6 20	18 23.65	-37 10.5	2.076	3.069	4.9	20.9
6 30	18 12.75	-28 39.5	1.674	2.685	2.9	21.0	6 30	18 13.05	-37 14.8	2.077	3.070	4.9	20.9
7 10	18 2.04	-28 41.1	1.691	2.676	6.8	21.2	7 10	18 2.98	-37 4.9	2.105	3.072	7.1	21.1
7 20	17 52.91	-28 35.2	1.735	2.667	10.8	21.4	7 20	17 54.42	-36 42.8	2.159	3.073	9.9	21.3
7 30	17 46.27	-28 24.2	1.800	2.657	14.3	21.6	7 30	17 48.15	-36 11.9	2.236	3.073	12.6	21.4
<b>438963</b>	2010 LG <sub>114</sub>		6 25.5 328°46	4°8/25.7	18		<b>297554</b>	2001 QE <sub>271</sub>		6 25.5 309°29	7°0/25.6	18	
5 21	18 44.34	-35 44.4</											

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>203716</b>	2002 PA <sub>165</sub>		6 25.5 336°50	1°6/25.4	17		<b>107280</b>	2001 BU <sub>74</sub>		6 25.5 56°13	1°0/25.4	18	
5 21	18 43.60	-27 8.3	1.673	2.535	14.8	20.4	5 21	18 46.81	-23 17.9	1.312	2.182	17.6	19.2
5 31	18 39.11	-27 15.6	1.595	2.529	11.3	20.1	5 31	18 41.85	-23 55.6	1.259	2.198	13.3	19.0
6 10	18 32.04	-27 20.7	1.540	2.524	7.2	19.9	6 10	18 33.86	-24 36.6	1.227	2.213	8.3	18.7
6 20	18 23.13	-27 21.3	1.508	2.519	3.0	19.6	6 20	18 23.79	-25 16.5	1.217	2.229	3.1	18.5
6 30	18 13.48	-27 15.6	1.502	2.514	2.7	19.6	6 30	18 13.04	-25 51.5	1.232	2.245	2.7	18.5
7 10	18 4.38	-27 3.4	1.522	2.510	6.9	19.8	7 10	18 3.17	-26 19.2	1.271	2.262	7.7	18.8
7 20	17 56.94	-26 46.2	1.565	2.507	11.1	20.1	7 20	17 55.45	-26 39.4	1.334	2.278	12.3	19.2
7 30	17 52.02	-26 26.5	1.631	2.503	14.8	20.3	7 30	17 50.75	-26 53.7	1.417	2.295	16.2	19.4
<b>398516</b>	2011 UO <sub>263</sub>		6 25.5 312°05	1°8/25.4	18		<b>403210</b>	2008 TS <sub>73</sub>		6 25.5 238°81	2°1/25.4	16	
5 21	18 42.26	-20 29.0	1.960	2.813	13.3	21.0	5 21	18 49.26	-27 0.5	1.457	2.318	16.7	22.3
5 31	18 37.64	-19 55.1	1.874	2.802	10.2	20.8	5 31	18 43.92	-27 22.3	1.377	2.310	12.8	22.1
6 10	18 30.90	-19 21.9	1.810	2.792	6.6	20.5	6 10	18 35.39	-27 43.2	1.317	2.301	8.3	21.8
6 20	18 22.68	-18 49.8	1.771	2.781	2.9	20.3	6 20	18 24.45	-27 59.1	1.281	2.292	3.6	21.5
6 30	18 13.86	-18 19.7	1.760	2.771	2.6	20.2	6 30	18 12.42	-28 6.6	1.270	2.282	3.3	21.4
7 10	18 5.45	-17 52.8	1.775	2.761	6.4	20.4	7 10	18 0.94	-28 4.5	1.285	2.272	8.1	21.7
7 20	17 58.35	-17 30.2	1.815	2.752	10.1	20.6	7 20	17 51.48	-27 54.3	1.322	2.262	12.8	21.9
7 30	17 53.30	-17 12.7	1.878	2.742	13.5	20.8	7 30	17 45.11	-27 39.2	1.381	2.252	17.0	22.2
<b>46513</b>	Ampzing		6 25.5 140°45	19°2/28.9	18		<b>371588</b>	2006 WC <sub>41</sub>		6 25.5 58°80	2°7/25.8	17	
5 21	18 46.84	+14 15.7	1.240	1.999	24.5	18.9	5 21	18 44.48	-16 30.0	1.544	2.401	16.1	21.9
5 31	18 41.86	+16 3.3	1.193	2.005	22.6	18.8	5 31	18 39.73	-16 27.3	1.474	2.404	12.4	21.7
6 10	18 33.89	+17 14.9	1.159	2.011	20.8	18.7	6 10	18 32.41	-16 32.3	1.426	2.406	8.2	21.4
6 20	18 23.81	+17 41.0	1.141	2.016	19.6	18.6	6 20	18 23.28	-16 44.6	1.400	2.409	4.0	21.2
6 30	18 12.95	+17 16.0	1.139	2.021	19.2	18.6	6 30	18 13.44	-17 3.2	1.401	2.411	3.4	21.2
7 10	18 2.81	+16 1.4	1.155	2.025	19.8	18.6	7 10	18 4.17	-17 26.6	1.426	2.414	7.4	21.4
7 20	17 54.70	+14 4.6	1.188	2.029	21.2	18.7	7 20	17 56.58	-17 53.6	1.476	2.417	11.7	21.7
7 30	17 49.55	+11 37.4	1.236	2.032	22.9	18.9	7 30	17 51.51	-18 22.9	1.547	2.419	15.4	21.9
<b>511776</b>	2015 DG <sub>230</sub>		6 25.5 268°98	2°1/25.6	17		<b>84194</b>	2002 RS <sub>116</sub>		6 25.5 330°53	0°1/25.5	18	
5 21	18 45.84	-18 38.6	1.615	2.470	15.6	22.2	5 21	18 44.17	-25 17.5	1.298	2.173	17.4	18.9
5 31	18 40.97	-18 28.0	1.522	2.451	12.1	21.9	5 31	18 40.15	-24 50.3	1.222	2.163	13.3	18.6
6 10	18 33.38	-18 22.1	1.450	2.432	7.9	21.6	6 10	18 33.00	-24 19.7	1.166	2.154	8.5	18.3
6 20	18 23.69	-18 20.6	1.402	2.412	3.5	21.3	6 20	18 23.56	-23 44.8	1.132	2.145	3.1	17.9
6 30	18 12.97	-18 22.9	1.380	2.391	3.1	21.2	6 30	18 13.19	-23 6.0	1.122	2.136	2.6	17.9
7 10	18 2.55	-18 28.6	1.383	2.371	7.6	21.4	7 10	18 3.50	-22 25.1	1.136	2.128	8.1	18.2
7 20	17 53.67	-18 37.5	1.411	2.350	12.2	21.6	7 20	17 55.87	-21 45.5	1.172	2.121	13.2	18.4
7 30	17 47.35	-18 49.7	1.459	2.329	16.4	21.8	7 30	17 51.31	-21 10.0	1.228	2.115	17.6	18.7
<b>157141</b>	Sopron		6 25.5 150°49	7°9/26.7	17		<b>331733</b>	2002 TS <sub>138</sub>		6 25.5 151°79	1°1/25.5	17	
5 21	18 43.31	-1 28.0	2.027	2.827	14.9	20.7	5 21	18 47.92	-21 19.3	2.051	2.892	13.3	20.5
5 31	18 38.15	-0 54.6	1.958	2.833	12.5	20.6	5 31	18 41.64	-20 59.9	1.979	2.901	10.1	20.3
6 10	18 31.08	-0 36.9	1.909	2.838	10.1	20.4	6 10	18 33.27	-20 41.4	1.929	2.910	6.4	20.1
6 20	18 22.71	-0 37.5	1.884	2.844	8.3	20.3	6 20	18 23.51	-20 23.2	1.907	2.917	2.5	19.9
6 30	18 13.87	-0 57.4	1.884	2.848	8.0	20.3	6 30	18 13.29	-20 5.5	1.912	2.925	2.2	19.9
7 10	18 5.44	-1 35.4	1.910	2.853	9.3	20.4	7 10	18 3.65	-19 48.8	1.945	2.931	6.0	20.1
7 20	17 58.25	-2 28.8	1.960	2.857	11.6	20.6	7 20	17 55.45	-19 34.0	2.005	2.937	9.6	20.4
7 30	17 52.92	-3 33.6	2.032	2.860	14.0	20.7	7 30	17 49.36	-19 22.0	2.089	2.942	12.7	20.6
<b>177085</b>	2003 FU <sub>58</sub>		6 25.5 336°66	4°9/26.1	18		<b>183612</b>	2003 UG <sub>179</sub>		6 25.5 251°57	3°4/25.1	18	
5 21	18 40.29	-9 13.2	2.088	2.919	13.4	19.4	5 21	18 48.34	-29 6.2	1.615	2.471	15.5	20.6
5 31	18 35.93	-8 56.7	2.010	2.917	10.7	19.2	5 31	18 43.09	-29 50.7	1.531	2.460	12.0	20.3
6 10	18 29.73	-8 50.7	1.954	2.915	7.9	19.0	6 10	18 34.82	-30 34.1	1.469	2.449	8.0	20.0
6 20	18 22.24	-8 56.3	1.922	2.913	5.5	18.9	6 20	18 24.25	-31 11.4	1.431	2.438	4.2	19.8
6 30	18 14.24	-9 13.7	1.917	2.911	5.2	18.9	6 30	18 12.58	-31 37.9	1.419	2.426	4.2	19.8
7 10	18 6.59	-9 42.1	1.938	2.909	7.2	19.0	7 10	18 1.34	-31 51.4	1.432	2.415	8.1	20.0
7 20	18 0.07	-10 19.6	1.984	2.907	10.1	19.2	7 20	17 51.91	-31 52.6	1.470	2.402	12.3	20.2
7 30	17 55.33	-11 3.9	2.053	2.906	12.9	19.3	7 30	17 45.38	-31 44.7	1.528	2.390	16.1	20.4
<b>504102</b>	2006 DR <sub>212</sub>		6 25.5 196°67	0°4/25.5	17		<b>432405</b>	2010 AT		6 25.5 105°15	2°0/25.9	17	
5 21	18 45.41	-22 0.8	2.289	3.129	12.1	22.6	5 21	18 45.47	-15 10.7	1.845	2.688	14.5	20.9
5 31	18 39.72	-22 1.0	2.204	3.126	9.2	22.4	5 31	18 40.10	-15 49.5	1.775	2.697	11.1	20.7
6 10	18 32.09	-22 2.3	2.142	3.123	5.8	22.2	6 10	18 32.48	-16 38.0	1.728	2.705	7.2	20.5
6 20	18 23.09	-22 3.8	2.108	3.119	2.2	21.9	6 20	18 23.28	-17 34.2	1.705	2.714	3.3	20.3
6 30	18 13.55	-22 4.5	2.101	3.115	1.8	21.9	6 30	18 13.45	-18 34.8	1.710	2.722	2.6	20.2
7 10	18 4.39	-22 4.1	2.123	3.110	5.5	22.1	7 10	18 4.08	-19 36.7	1.743	2.730	6.4	20.5
7 20	17 56.43	-22 3.0	2.172	3.104	8.9	22.3	7 20	17 56.13	-20 37.1	1.802	2.738	10.2	20.7
7 30	17 50.34	-22 1.9	2.245	3.098	12.0	22.5	7 30	17 50.38	-21 34.3	1.884	2.746	13.5	21.0
<b>287262</b>	2002 TM <sub>139</sub>		6 25.5 208°21	0°1/25.5	18		<b>13749</b>	1998 SG <sub>49</sub>		6 25.5 187°60	3°4/25.6	18	
5 21	18 44.13	-23 23.6	2.686	3.522	10.6	21.2	5 21	18 42.98	-13 55.5	2.305	3.138	12.3	17.9
5 31	18 38.51	-23 16.8	2.595	3.515	8.1	21.0	5 31	18 37.77	-13 29.6	2.224	3.137	9.6	17.7
6 10	18 31.21	-23 9.8	2.528	3.508	5.1	20.8	6 10	18 30.80	-13 9.2	2.167	3.137	6.6	17.6
6 20	18 22.76	-23 1.7	2.489	3.501	1.8	20.5	6 20	18 22.63	-12 55.4	2.135	3.135	4.0	17.4
6 30	18 13.84	-22 51.9	2.479	3.493	1.5	20.5	6 30	18 13.99	-12 48.4	2.132	3.134	3.8	17.4
7 10	18 5.25	-22 40.7	2.498	3.484	4.8	20.7	7 10	18 5.72	-12 48.5	2.156	3.132	6.2	17.5
7 20	17 57.67	-22 28.7	2.545	3.475	7.9	20.9	7 20	17 58.55	-12 55.2	2.206	3.130	9.2	17.7
7 30	17 51.70	-22 16.7	2.617	3.466	10.6	21.1	7 30	17 53.10	-13 7.8	2.280	3.127	12.0	17.9
<b>440611</b>	2005 VO <sub>112</sub>		6 25.5 234°65	3°5/25.3	18		<b>247479</b>	2002 JO <sub>142</sub>		6 25.5 42°32	5°2/24.6	18	
5 21	18 41.66												

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6 25.5

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>437637</b>	2014 <i>BD</i> <sub>36</sub>		6 25.5 179°36	1.3°/25.7	17		<b>346797</b>	2009 <i>BJ</i> <sub>173</sub>		6 25.5 250°92	0.3°/25.5	17	
5 21	18 43.39	-18 48.9	2.021	2.868	13.2	21.6	5 21	18 43.50	-22 6.9	2.070	2.919	12.9	21.6
5 31	18 38.41	-18 58.3	1.943	2.868	10.1	21.4	5 31	18 38.56	-22 14.7	1.985	2.912	9.8	21.3
6 10	18 31.37	-19 12.4	1.888	2.869	6.5	21.2	6 10	18 31.51	-22 24.4	1.923	2.905	6.2	21.1
6 20	18 22.87	-19 30.1	1.858	2.869	2.7	20.9	6 20	18 22.96	-22 34.8	1.886	2.898	2.3	20.8
6 30	18 13.80	-19 50.2	1.856	2.869	2.2	20.9	6 30	18 13.77	-22 44.4	1.877	2.891	1.8	20.8
7 10	18 5.13	-20 11.3	1.881	2.869	6.0	21.1	7 10	18 4.95	-22 52.6	1.895	2.884	5.8	21.1
7 20	17 57.75	-20 32.7	1.932	2.868	9.6	21.3	7 20	17 57.39	-22 59.3	1.939	2.876	9.6	21.3
7 30	17 52.37	-20 54.2	2.006	2.868	12.8	21.6	7 30	17 51.85	-23 5.1	2.007	2.868	12.8	21.5
<b>521408</b>	2015 <i>MR</i> <sub>144</sub>		6 25.5 343°71	6°3/24.6	15		<b>473029</b>	2015 <i>HH</i> <sub>68</sub>		6 25.5 279°13	3°2/25.1	17	
5 21	18 39.18	-12 52.3	1.614	2.471	15.5	20.2	5 21	18 45.68	-29 57.6	1.839	2.691	14.1	21.1
5 31	18 35.64	-11 25.8	1.534	2.457	12.4	19.9	5 31	18 40.65	-30 36.3	1.759	2.686	10.9	20.9
6 10	18 29.81	-10 3.8	1.475	2.445	9.1	19.7	6 10	18 33.05	-31 12.4	1.702	2.681	7.3	20.6
6 20	18 22.35	-8 50.7	1.440	2.433	6.6	19.5	6 20	18 23.57	-31 42.0	1.669	2.675	3.9	20.4
6 30	18 14.23	-7 50.8	1.429	2.422	6.7	19.5	6 30	18 13.28	-32 1.6	1.663	2.670	3.9	20.4
7 10	18 6.55	-7 7.2	1.443	2.412	9.4	19.6	7 10	18 3.44	-32 9.7	1.683	2.664	7.2	20.6
7 20	18 0.30	-6 41.0	1.480	2.404	12.9	19.8	7 20	17 55.19	-32 7.2	1.728	2.659	10.9	20.8
7 30	17 56.28	-6 31.4	1.536	2.397	16.2	20.0	7 30	17 49.42	-31 56.7	1.795	2.654	14.3	21.0
<b>284390</b>	2006 <i>TM</i> <sub>20</sub>		6 25.5 341°90	2°3/25.5	17		<b>209083</b>	Rioja		6 25.5 322°80	0°5/25.5	18	
5 21	18 43.94	-19 46.6	1.328	2.199	17.3	20.7	5 21	18 44.06	-23 25.3	1.702	2.562	14.7	20.5
5 31	18 39.75	-19 19.5	1.257	2.195	13.3	20.5	5 31	18 39.33	-23 6.1	1.623	2.556	11.2	20.3
6 10	18 32.64	-18 55.7	1.206	2.191	8.6	20.2	6 10	18 32.14	-22 46.3	1.566	2.551	7.1	20.0
6 20	18 23.42	-18 35.5	1.177	2.188	3.8	19.9	6 20	18 23.21	-22 25.3	1.534	2.546	2.6	19.7
6 30	18 13.36	-18 19.5	1.173	2.185	3.4	19.9	6 30	18 13.61	-22 3.0	1.527	2.541	2.2	19.7
7 10	18 3.96	-18 8.2	1.192	2.183	8.2	20.1	7 10	18 4.55	-21 40.2	1.547	2.537	6.7	20.0
7 20	17 56.49	-18 2.3	1.234	2.181	13.0	20.4	7 20	17 57.08	-21 18.3	1.591	2.532	10.9	20.2
7 30	17 51.89	-18 2.0	1.296	2.179	17.1	20.7	7 30	17 52.01	-20 59.0	1.657	2.528	14.6	20.4
<b>473881</b>	2016 <i>ED</i> <sub>141</sub>		6 25.5 59°07	6°3/25.9	17		<b>922</b>	Schlutia		6 25.5 318°82	5°2/25.5	18	
5 21	18 44.46	-10 43.5	1.373	2.226	17.9	21.5	5 21	18 40.63	-13 18.5	1.548	2.407	16.0	15.7
5 31	18 39.83	-10 1.3	1.311	2.232	14.2	21.2	5 31	18 36.98	-12 34.7	1.461	2.388	12.7	15.5
6 10	18 32.51	-9 31.4	1.268	2.237	10.3	21.0	6 10	18 30.83	-11 58.1	1.395	2.369	9.0	15.2
6 20	18 23.33	-9 16.5	1.248	2.243	7.0	20.9	6 20	18 22.80	-11 31.4	1.351	2.351	5.8	15.0
6 30	18 13.47	-9 18.1	1.251	2.249	6.7	20.9	6 30	18 13.90	-11 16.6	1.332	2.334	5.7	14.9
7 10	18 4.30	-9 35.4	1.279	2.255	9.6	21.0	7 10	18 5.34	-11 14.6	1.337	2.317	8.8	15.1
7 20	17 56.96	-10 6.2	1.329	2.261	13.4	21.3	7 20	17 58.25	-11 25.1	1.365	2.301	12.8	15.2
7 30	17 52.27	-10 47.1	1.398	2.267	17.0	21.5	7 30	17 53.56	-11 46.3	1.413	2.285	16.6	15.4
<b>175374</b>	2005 <i>SX</i> <sub>243</sub>		6 25.5 44°76	0°3/25.5	16		<b>193587</b>	2001 <i>BQ</i> <sub>38</sub>		6 25.5 204°57	1°6/25.7	18	
5 21	18 42.85	-24 13.3	2.108	2.958	12.6	20.7	5 21	18 44.50	-17 31.7	2.551	3.382	11.3	21.5
5 31	18 37.94	-24 16.5	2.032	2.960	9.5	20.5	5 31	18 38.88	-17 36.3	2.460	3.376	8.6	21.3
6 10	18 31.03	-24 19.7	1.979	2.962	6.0	20.3	6 10	18 31.52	-17 45.1	2.393	3.370	5.6	21.1
6 20	18 22.74	-24 21.5	1.952	2.964	2.2	20.1	6 20	18 22.94	-17 57.4	2.354	3.362	2.6	20.9
6 30	18 13.94	-24 20.9	1.953	2.966	1.8	20.0	6 30	18 13.83	-18 12.5	2.343	3.354	2.2	20.8
7 10	18 5.60	-24 17.6	1.980	2.969	5.6	20.3	7 10	18 4.99	-18 29.5	2.362	3.346	5.2	21.0
7 20	17 58.56	-24 12.2	2.034	2.971	9.2	20.5	7 20	17 57.15	-18 47.9	2.408	3.336	8.4	21.2
7 30	17 53.49	-24 5.7	2.111	2.973	12.3	20.7	7 30	17 50.94	-19 7.3	2.478	3.326	11.2	21.4
<b>386319</b>	2008 <i>SE</i> <sub>94</sub>		6 25.5 203°51	1°5/25.6	17		<b>392436</b>	2010 <i>RZ</i> <sub>61</sub>		6 25.5 333°57	1°8/25.6	18	
5 21	18 44.56	-19 17.7	2.246	3.087	12.3	21.8	5 21	18 39.29	-19 21.1	1.668	2.534	14.7	20.5
5 31	18 39.10	-19 6.4	2.161	3.083	9.4	21.6	5 31	18 35.87	-19 11.9	1.581	2.516	11.3	20.2
6 10	18 31.72	-18 57.7	2.099	3.078	6.1	21.4	6 10	18 30.07	-19 6.8	1.515	2.500	7.3	19.9
6 20	18 23.00	-18 51.3	2.064	3.074	2.6	21.2	6 20	18 22.51	-19 5.7	1.473	2.484	3.2	19.6
6 30	18 13.74	-18 46.9	2.057	3.068	2.3	21.2	6 30	18 14.15	-19 8.1	1.456	2.469	2.7	19.6
7 10	18 4.85	-18 44.5	2.077	3.063	5.7	21.4	7 10	18 6.15	-19 13.6	1.464	2.454	6.9	19.8
7 20	17 57.14	-18 44.1	2.125	3.056	9.1	21.6	7 20	17 59.55	-19 22.0	1.496	2.441	11.2	20.0
7 30	17 51.29	-18 46.1	2.196	3.050	12.2	21.8	7 30	17 55.24	-19 33.1	1.549	2.429	15.0	20.2
<b>477704</b>	2010 <i>RW</i> <sub>143</sub>		6 25.5 260°39	4°3/25.6	16		<b>59380</b>	1999 <i>FA</i> <sub>5</sub>		6 25.5 342°41	3°1/25.2	18	
5 21	18 40.40	-11 13.9	2.373	3.203	12.1	21.8	5 21	18 43.71	-28 46.1	1.412	2.283	16.5	18.8
5 31	18 35.81	-10 40.4	2.291	3.199	9.6	21.7	5 31	18 39.77	-29 18.6	1.339	2.276	12.7	18.6
6 10	18 29.58	-10 13.7	2.231	3.194	6.9	21.5	6 10	18 32.78	-29 49.2	1.286	2.270	8.4	18.3
6 20	18 22.21	-9 55.4	2.197	3.189	4.7	21.3	6 20	18 23.54	-30 13.3	1.256	2.265	4.2	18.0
6 30	18 14.39	-9 46.3	2.190	3.184	4.6	21.3	6 30	18 13.33	-30 27.1	1.250	2.260	4.0	18.0
7 10	18 6.89	-9 46.6	2.210	3.180	6.6	21.4	7 10	18 3.72	-30 29.3	1.269	2.256	8.2	18.3
7 20	18 0.39	-9 55.7	2.256	3.175	9.3	21.6	7 20	17 56.08	-30 21.2	1.310	2.253	12.7	18.5
7 30	17 55.49	-10 12.5	2.325	3.170	11.9	21.8	7 30	17 51.43	-30 5.8	1.371	2.250	16.6	18.7
<b>68035</b>	2000 <i>YB</i> <sub>34</sub>		6 25.5 163°29	4°8/26.4	18		<b>50058</b>	2000 <i>AQ</i> <sub>67</sub>		6 25.5 214°33	0°5/25.5	18	
5 21	18 43.40	-8 23.7	2.166	2.987	13.4	19.6	5 21	18 47.45	-23 39.2	1.941	2.787	13.7	20.2
5 31	18 38.18	-8 20.2	2.090	2.991	10.7	19.5	5 31	18 41.75	-23 58.0	1.855	2.781	10.4	19.9
6 10	18 31.12	-8 27.8	2.036	2.994	7.8	19.3	6 10	18 33.64	-24 18.4	1.792	2.774	6.6	19.7
6 20	18 22.78	-8 47.4	2.008	2.997	5.4	19.1	6 20	18 23.78	-24 37.9	1.754	2.766	2.4	19.4
6 30	18 13.93	-9 18.5	2.006	3.000	5.0	19.1	6 30	18 13.15	-24 54.3	1.744	2.758	2.1	19.4
7 10	18 5.46	-9 59.7	2.032	3.002	7.0	19.2	7 10	18 2.89	-25 6.5	1.761	2.749	6.3	19.6
7 20	17 58.14	-10 48.5	2.084	3.004	9.9	19.4	7 20	17 54.07	-25 14.4	1.805	2.739	10.3	19.8
7 30	17 52.61	-11 42.6	2.159	3.006	12.6	19.6	7 30	17 47.54	-25 19.3	1.871	2.729	13.8	20.0
<b>184222</b>	2004 <i>RA</i> <sub>68</sub>		6 25.5 315°06	2°3/25.3	18 R		<b>17186</b>	Sergivanov		6 25.5 181°97	0°4		



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>434780</b>	2006 <i>KK</i> <sub>108</sub>		6 25.5 101°02	5°8/24.7	17		<b>317471</b>	2002 <i>RV</i> <sub>158</sub>		6 25.5 282°77	5°3/25.2	18	
5 21	18 50.07	-36 44.9	1.991	2.825	13.9	21.3	5 21	18 45.19	-40 16.7	2.613	3.433	11.4	20.4
5 31	18 43.83	-37 52.7	1.932	2.840	11.0	21.2	5 31	18 39.72	-40 47.2	2.531	3.427	9.2	20.2
6 10	18 34.96	-38 52.9	1.896	2.855	8.2	21.0	6 10	18 32.19	-41 9.0	2.472	3.422	7.1	20.1
6 20	18 24.24	-39 39.7	1.884	2.870	6.1	20.9	6 20	18 23.22	-41 18.5	2.439	3.417	5.5	20.0
6 30	18 12.83	-40 8.8	1.900	2.885	6.2	21.0	6 30	18 13.70	-41 13.5	2.433	3.412	5.5	19.9
7 10	18 2.07	-40 19.2	1.941	2.899	8.2	21.1	7 10	18 4.63	-40 53.7	2.454	3.406	7.0	20.0
7 20	17 53.09	-40 12.9	2.008	2.913	11.0	21.3	7 20	17 56.87	-40 21.1	2.500	3.401	9.2	20.2
7 30	17 46.73	-39 54.1	2.096	2.927	13.5	21.5	7 30	17 51.12	-39 39.0	2.569	3.396	11.4	20.3
<b>167400</b>	2003 <i>WZ</i> <sub>101</sub>		6 25.5 184°97	1°7/25.6	18		<b>18556</b>	Battiato		6 25.5 326°14	2°6/25.9	18	
5 21	18 43.59	-18 42.8	2.116	2.960	12.8	20.7	5 21	18 41.33	-14 30.0	2.176	3.016	12.7	18.5
5 31	18 38.46	-18 34.1	2.036	2.960	9.8	20.5	5 31	18 36.73	-14 38.4	2.096	3.015	9.8	18.3
6 10	18 31.36	-18 28.9	1.980	2.960	6.3	20.3	6 10	18 30.29	-14 54.3	2.039	3.013	6.6	18.1
6 20	18 22.90	-18 26.8	1.950	2.959	2.8	20.1	6 20	18 22.54	-15 17.3	2.007	3.012	3.5	17.9
6 30	18 13.91	-18 27.5	1.947	2.959	2.4	20.1	6 30	18 14.26	-15 46.4	2.003	3.011	3.1	17.9
7 10	18 5.34	-18 30.8	1.972	2.958	5.9	20.3	7 10	18 6.32	-16 20.1	2.026	3.010	5.9	18.1
7 20	17 58.01	-18 36.3	2.023	2.957	9.4	20.5	7 20	17 59.49	-16 57.0	2.076	3.010	9.2	18.3
7 30	17 52.59	-18 44.2	2.097	2.955	12.5	20.7	7 30	17 54.45	-17 35.6	2.149	3.009	12.2	18.5
<b>455577</b>	2004 <i>RF</i> <sub>179</sub>		6 25.5 330°38	0°7/25.6	17		<b>300086</b>	2006 <i>UK</i> <sub>227</sub>		6 25.5 221°57	0°1/25.5	18	
5 21	18 42.80	-26 49.5	1.048	1.939	19.4	20.1	5 21	18 43.10	-22 47.9	2.437	3.280	11.4	21.4
5 31	18 39.87	-26 20.2	0.974	1.923	15.0	19.8	5 31	18 37.97	-22 59.5	2.350	3.273	8.6	21.2
6 10	18 33.25	-25 44.7	0.918	1.909	9.6	19.5	6 10	18 31.03	-23 12.5	2.286	3.267	5.5	21.0
6 20	18 23.81	-25 1.4	0.882	1.895	3.6	19.1	6 20	18 22.81	-23 25.3	2.248	3.260	2.0	20.8
6 30	18 13.13	-24 10.7	0.868	1.882	2.9	19.0	6 30	18 14.04	-23 36.8	2.239	3.253	1.6	20.7
7 10	18 3.19	-23 15.5	0.875	1.871	9.2	19.3	7 10	18 5.58	-23 46.2	2.259	3.246	5.1	21.0
7 20	17 55.69	-22 20.7	0.903	1.861	15.1	19.6	7 20	17 58.19	-23 53.5	2.305	3.238	8.4	21.1
7 30	17 51.82	-21 31.2	0.949	1.852	20.2	19.8	7 30	17 52.53	-23 59.1	2.376	3.231	11.3	21.3
<b>201624</b>	2003 <i>SQ</i> <sub>253</sub>		6 25.5 186°45	0°9/25.6	18		<b>440207</b>	2004 <i>NY</i> <sub>12</sub>		6 25.5 348°09	0°1/25.5	15	
5 21	18 44.43	-20 42.9	2.358	3.197	11.8	21.2	5 21	18 38.62	-25 25.3	1.401	2.281	16.1	20.5
5 31	18 38.92	-20 39.0	2.275	3.197	9.0	21.0	5 31	18 35.77	-24 57.8	1.323	2.266	12.3	20.2
6 10	18 31.58	-20 37.0	2.216	3.196	5.7	20.8	6 10	18 30.18	-24 27.1	1.265	2.254	7.8	19.9
6 20	18 22.97	-20 36.1	2.184	3.195	2.2	20.6	6 20	18 22.60	-23 52.5	1.229	2.242	2.9	19.6
6 30	18 13.87	-20 35.7	2.180	3.193	1.9	20.5	6 30	18 14.21	-23 14.7	1.218	2.232	2.3	19.5
7 10	18 5.14	-20 35.7	2.205	3.191	5.3	20.8	7 10	18 6.39	-22 35.4	1.230	2.224	7.4	19.8
7 20	17 57.57	-20 36.1	2.257	3.189	8.7	21.0	7 20	18 0.35	-21 57.3	1.265	2.217	12.2	20.1
7 30	17 51.78	-20 37.5	2.332	3.186	11.6	21.2	7 30	17 56.99	-21 22.7	1.321	2.212	16.3	20.3
<b>432504</b>	2010 <i>ER</i> <sub>171</sub>		6 25.5 156°83	5°2/26.5	18		<b>378274</b>	2007 <i>EB</i> <sub>53</sub>		6 25.5 132°84	19°8/26.6	18	
5 21	18 43.14	-6 58.9	2.237	3.051	13.2	21.4	5 21	19 13.85	-58 59.8	1.108	1.899	25.2	20.7
5 31	18 37.92	-6 50.9	2.162	3.057	10.6	21.3	5 31	19 7.10	-61 0.5	1.064	1.903	23.1	20.5
6 10	18 30.93	-6 54.6	2.109	3.061	7.9	21.1	6 10	18 52.29	-62 29.5	1.034	1.908	21.2	20.4
6 20	18 22.73	-7 10.9	2.082	3.066	5.7	21.0	6 20	18 31.01	-63 7.5	1.019	1.912	20.0	20.3
6 30	18 14.06	-7 39.6	2.081	3.070	5.4	21.0	6 30	18 7.57	-62 40.8	1.021	1.916	19.9	20.4
7 10	18 5.77	-8 19.3	2.108	3.074	7.2	21.1	7 10	17 47.35	-61 11.3	1.039	1.919	20.7	20.4
7 20	17 58.58	-9 7.9	2.161	3.077	9.8	21.3	7 20	17 33.81	-58 54.2	1.073	1.923	22.4	20.5
7 30	17 53.12	-10 2.5	2.238	3.080	12.4	21.4	7 30	17 27.91	-56 9.7	1.123	1.925	24.4	20.7
<b>515216</b>	2012 <i>AT</i> <sub>17</sub>		6 25.5 200°83	5°3/24.9	18		<b>507784</b>	2014 <i>AJ</i> <sub>44</sub>		6 25.5 136°73	0°9/25.5	17	
5 21	18 47.45	-42 44.3	3.119	3.920	10.2	22.6	5 21	18 46.91	-26 52.1	2.389	3.226	11.8	22.2
5 31	18 41.17	-43 21.3	3.035	3.915	8.4	22.5	5 31	18 40.69	-26 46.9	2.318	3.239	8.9	22.1
6 10	18 32.99	-43 49.6	2.976	3.911	6.6	22.3	6 10	18 32.61	-26 39.1	2.271	3.251	5.6	21.9
6 20	18 23.48	-44 5.8	2.942	3.906	5.5	22.2	6 20	18 23.33	-26 27.4	2.251	3.262	2.2	21.7
6 30	18 13.45	-44 7.6	2.936	3.900	5.5	22.2	6 30	18 13.69	-26 11.2	2.261	3.273	1.9	21.7
7 10	18 3.79	-43 54.6	2.958	3.894	6.7	22.3	7 10	18 4.58	-25 51.0	2.299	3.284	5.2	21.9
7 20	17 55.31	-43 28.5	3.005	3.888	8.5	22.4	7 20	17 56.78	-25 28.2	2.364	3.294	8.4	22.1
7 30	17 48.67	-42 52.2	3.077	3.881	10.3	22.5	7 30	17 50.88	-25 4.5	2.453	3.303	11.2	22.3
<b>511424</b>	2014 <i>HO</i> <sub>181</sub>		6 25.5 60°47	4°4/26.3	17		<b>202130</b>	2004 <i>TF</i> <sub>176</sub>		6 25.5 302°41	2°1/25.3	18	
5 21	18 41.07	-9 52.6	2.106	2.938	13.3	21.3	5 21	18 44.53	-26 37.4	1.598	2.461	15.3	20.2
5 31	18 36.40	-9 46.2	2.043	2.952	10.5	21.2	5 31	18 40.37	-27 4.9	1.499	2.433	11.8	19.9
6 10	18 29.97	-9 50.2	2.003	2.966	7.5	21.0	6 10	18 33.28	-27 33.2	1.420	2.405	7.7	19.6
6 20	18 22.38	-10 4.9	1.987	2.980	5.0	20.9	6 20	18 23.84	-27 58.7	1.366	2.376	3.4	19.3
6 30	18 14.39	-10 30.0	1.998	2.995	4.6	20.9	6 30	18 13.13	-28 17.9	1.336	2.348	3.2	19.2
7 10	18 6.86	-11 4.0	2.035	3.010	6.7	21.0	7 10	18 2.61	-28 28.6	1.332	2.320	7.8	19.4
7 20	18 0.52	-11 44.8	2.099	3.024	9.5	21.2	7 20	17 53.67	-28 30.8	1.351	2.292	12.5	19.6
7 30	17 55.94	-12 30.3	2.185	3.039	12.2	21.4	7 30	17 47.48	-28 26.7	1.391	2.265	16.8	19.8
<b>158471</b>	2002 <i>CF</i> <sub>253</sub>		6 25.5 164°68	0°5/25.6	18		<b>95603</b>	2002 <i>FT</i> <sub>29</sub>		6 25.5 294°93	1°2/25.8	18	
5 21	18 45.74	-20 7.3	2.068	2.911	13.1	21.1	5 21	18 41.59	-17 56.0	2.233	3.077	12.2	19.7
5 31	18 40.18	-20 32.6	1.991	2.915	9.9	20.9	5 31	18 36.98	-18 19.3	2.148	3.071	9.3	19.5
6 10	18 32.51	-21 2.1	1.937	2.918	6.3	20.6	6 10	18 30.49	-18 48.4	2.086	3.065	6.0	19.3
6 20	18 23.34	-21 33.9	1.910	2.921	2.4	20.4	6 20	18 22.64	-19 21.9	2.049	3.060	2.5	19.1
6 30	18 13.58	-22 5.9	1.910	2.924	1.9	20.4	6 30	18 14.20	-19 58.3	2.041	3.054	2.0	19.0
7 10	18 4.22	-22 36.3	1.939	2.926	5.8	20.6	7 10	18 6.05	-20 35.6	2.061	3.048	5.5	19.2
7 20	17 56.17	-23 4.3	1.994	2.928	9.5	20.9	7 20	17 58.99	-21 12.5	2.107	3.043	9.0	19.4
7 30	17 50.17	-23 29.8	2.072	2.929	12.7	21.1	7 30	17 53.70	-21 48.2	2.177	3.038	12.0	19.6
<b>118080</b>	5197 <i>T-2</i>		6 25.5 306°81	0°6/25.5	18		<b>16588</b>	Johngree					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>364634</b>	2007 <i>TJ</i> <sub>94</sub>		6 25.5 330°45	4.4/25.4	17		<b>205683</b>	2001 <i>YG</i> <sub>38</sub>		6 25.5 178°23	1.4/25.5	17	
5 21	18 41.71	-17 31.9	1.120	2.002	19.0	20.0	5 21	18 49.82	-26 54.6	1.547	2.403	16.1	20.9
5 31	18 38.61	-16 41.1	1.047	1.990	14.9	19.7	5 31	18 43.99	-26 54.3	1.474	2.405	12.3	20.7
6 10	18 32.25	-15 54.6	0.992	1.977	10.0	19.4	6 10	18 35.25	-26 51.2	1.422	2.405	7.9	20.4
6 20	18 23.44	-15 15.0	0.958	1.966	5.4	19.1	6 20	18 24.45	-26 42.7	1.394	2.406	3.1	20.1
6 30	18 13.55	-14 45.0	0.947	1.956	5.2	19.1	6 30	18 12.88	-26 27.1	1.393	2.406	2.7	20.1
7 10	18 4.26	-14 26.4	0.957	1.946	9.8	19.3	7 10	18 2.02	-26 5.0	1.417	2.405	7.4	20.4
7 20	17 57.06	-14 20.1	0.988	1.938	15.0	19.5	7 20	17 53.14	-25 38.7	1.465	2.405	11.9	20.7
7 30	17 53.06	-14 25.4	1.036	1.930	19.6	19.8	7 30	17 47.12	-25 11.5	1.535	2.404	15.7	20.9
<b>520341</b>	2014 <i>GG</i> <sub>62</sub>		6 25.5 350°12	6°3/24.7	15		<b>232897</b>	2004 <i>XT</i> <sub>39</sub>		6 25.5 236°64	0°4/25.6	18	
5 21	18 43.03	-36 39.2	1.707	2.561	14.9	20.6	5 21	18 44.83	-21 54.7	2.033	2.880	13.1	21.2
5 31	18 39.06	-37 36.7	1.634	2.554	12.0	20.4	5 31	18 39.65	-22 0.7	1.945	2.872	10.0	21.0
6 10	18 32.27	-38 26.9	1.582	2.548	8.9	20.2	6 10	18 32.29	-22 8.7	1.881	2.863	6.4	20.7
6 20	18 23.39	-39 3.9	1.553	2.543	6.6	20.1	6 20	18 23.35	-22 17.4	1.842	2.854	2.4	20.5
6 30	18 13.60	-39 23.0	1.548	2.538	6.7	20.1	6 30	18 13.73	-22 25.4	1.830	2.844	1.9	20.4
7 10	18 4.35	-39 22.9	1.568	2.534	9.1	20.2	7 10	18 4.46	-22 32.2	1.846	2.835	6.0	20.7
7 20	17 56.91	-39 5.5	1.611	2.532	12.2	20.4	7 20	17 56.49	-22 37.7	1.888	2.825	9.8	20.9
7 30	17 52.24	-38 35.0	1.675	2.530	15.3	20.6	7 30	17 50.60	-22 42.5	1.953	2.814	13.2	21.1
<b>208928</b>	2002 <i>UF</i> <sub>73</sub>		6 25.5 331°88	0°5/25.6	16		<b>26138</b>	1993 <i>TK</i> <sub>25</sub>		6 25.5 320°74	2°1/25.7	17	R
5 21	18 42.47	-22 2.4	1.767	2.626	14.3	20.7	5 21	18 42.06	-18 10.1	1.754	2.611	14.5	19.4
5 31	18 38.10	-22 0.9	1.688	2.620	10.9	20.5	5 31	18 37.79	-18 0.4	1.673	2.603	11.1	19.2
6 10	18 31.39	-22 1.3	1.630	2.615	6.9	20.3	6 10	18 31.21	-17 55.6	1.613	2.595	7.3	18.9
6 20	18 23.01	-22 2.5	1.597	2.609	2.6	20.0	6 20	18 22.98	-17 55.5	1.578	2.587	3.3	18.7
6 30	18 13.94	-22 3.6	1.590	2.604	2.1	19.9	6 30	18 14.04	-17 59.9	1.569	2.580	2.9	18.6
7 10	18 5.33	-22 4.1	1.609	2.599	6.5	20.2	7 10	18 5.51	-18 8.0	1.585	2.573	6.8	18.9
7 20	17 58.19	-22 4.3	1.653	2.595	10.6	20.4	7 20	17 58.40	-18 19.5	1.626	2.567	10.8	19.1
7 30	17 53.31	-22 4.9	1.719	2.591	14.1	20.6	7 30	17 53.50	-18 34.0	1.689	2.561	14.4	19.3
<b>253595</b>	2003 <i>TJ</i> <sub>15</sub>		6 25.5 222°40	2°4/25.2	17		<b>269023</b>	2007 <i>EF</i> <sub>219</sub>		6 25.5 334°56	2°2/25.3	17	
5 21	18 49.57	-28 1.6	1.916	2.760	13.9	21.9	5 21	18 45.13	-27 12.8	1.608	2.470	15.3	20.9
5 31	18 43.58	-28 37.7	1.827	2.751	10.7	21.7	5 31	18 40.47	-27 40.2	1.533	2.467	11.7	20.7
6 10	18 34.95	-29 13.0	1.761	2.740	7.0	21.4	6 10	18 33.08	-28 6.9	1.480	2.464	7.6	20.5
6 20	18 24.35	-29 43.5	1.720	2.729	3.4	21.2	6 20	18 23.69	-28 29.0	1.451	2.461	3.4	20.2
6 30	18 12.82	-30 5.6	1.707	2.716	3.3	21.2	6 30	18 13.47	-28 43.7	1.447	2.458	3.1	20.2
7 10	18 1.64	-30 17.7	1.721	2.704	7.0	21.4	7 10	18 3.80	-28 49.6	1.468	2.456	7.3	20.4
7 20	17 51.99	-30 20.2	1.761	2.690	10.9	21.6	7 20	17 55.89	-28 47.6	1.514	2.454	11.5	20.7
7 30	17 44.82	-30 15.7	1.824	2.676	14.4	21.8	7 30	17 50.64	-28 40.0	1.581	2.452	15.2	20.9
<b>295878</b>	2008 <i>WB</i> <sub>44</sub>		6 25.5 126°16	0°5/25.6	17		<b>411654</b>	2011 <i>VG</i> <sub>20</sub>		6 25.5 4°20	4°2/24.9	17	
5 21	18 44.91	-22 18.2	2.047	2.894	13.1	21.7	5 21	18 45.53	-28 13.4	1.111	1.994	19.1	20.3
5 31	18 39.49	-22 11.8	1.975	2.902	9.9	21.5	5 31	18 41.86	-29 13.9	1.050	1.993	14.7	20.0
6 10	18 32.03	-22 6.4	1.927	2.909	6.2	21.3	6 10	18 34.49	-30 14.9	1.007	1.993	9.8	19.8
6 20	18 23.19	-22 1.1	1.903	2.915	2.3	21.1	6 20	18 24.32	-31 9.1	0.985	1.994	5.1	19.5
6 30	18 13.87	-21 55.1	1.908	2.922	1.9	21.1	6 30	18 12.95	-31 49.8	0.986	1.995	5.1	19.5
7 10	18 5.07	-21 48.5	1.940	2.928	5.8	21.3	7 10	18 2.39	-32 13.5	1.009	1.997	9.8	19.8
7 20	17 57.64	-21 41.9	1.998	2.934	9.4	21.6	7 20	17 54.33	-32 21.3	1.054	2.000	14.7	20.0
7 30	17 52.25	-21 36.2	2.080	2.940	12.5	21.8	7 30	17 49.95	-32 17.1	1.116	2.003	19.0	20.3
<b>509159</b>	2006 <i>DO</i> <sub>53</sub>		6 25.5 231°26	1°2/25.5	17		<b>438198</b>	2005 <i>UO</i> <sub>74</sub>		6 25.5 286°06	0°6/25.6	17	
5 21	18 46.68	-26 23.7	2.138	2.982	12.7	22.7	5 21	18 43.16	-21 53.2	2.322	3.165	11.8	21.4
5 31	18 41.03	-26 32.0	2.047	2.971	9.7	22.5	5 31	18 38.29	-21 46.7	2.212	3.136	9.1	21.2
6 10	18 33.15	-26 38.9	1.979	2.959	6.2	22.2	6 10	18 31.42	-21 41.2	2.126	3.107	5.8	21.0
6 20	18 23.66	-26 42.2	1.936	2.947	2.5	22.0	6 20	18 23.06	-21 35.8	2.066	3.077	2.2	20.7
6 30	18 13.46	-26 40.5	1.922	2.935	2.2	21.9	6 30	18 13.95	-21 30.2	2.034	3.047	1.8	20.6
7 10	18 3.62	-26 33.2	1.936	2.922	6.0	22.1	7 10	18 5.01	-21 24.0	2.030	3.017	5.6	20.8
7 20	17 55.10	-26 21.4	1.975	2.908	9.7	22.3	7 20	17 57.10	-21 17.7	2.052	2.986	9.3	21.0
7 30	17 48.70	-26 6.8	2.039	2.894	12.9	22.5	7 30	17 50.98	-21 12.1	2.098	2.956	12.5	21.1
<b>309663</b>	2008 <i>EO</i> <sub>14</sub>		6 25.5 23°35	4.4/25.2	18		<b>513041</b>	2017 <i>VT</i> <sub>5</sub>		6 25.5 81°78	13°5/27.2	18	
5 21	18 45.24	-35 22.1	2.161	3.001	12.8	21.1	5 21	18 41.54	+12 26.6	1.971	2.704	17.4	20.2
5 31	18 39.99	-35 53.5	2.088	3.002	10.0	20.9	5 31	18 36.95	+13 50.6	1.915	2.710	15.9	20.1
6 10	18 32.48	-36 18.0	2.036	3.003	7.2	20.8	6 10	18 30.45	+14 50.7	1.877	2.716	14.6	20.1
6 20	18 23.39	-36 32.0	2.010	3.005	4.8	20.6	6 20	18 22.65	+15 21.7	1.858	2.721	13.7	20.0
6 30	18 13.71	-36 32.9	2.011	3.007	4.8	20.6	6 30	18 14.37	+15 20.6	1.860	2.727	13.5	20.0
7 10	18 4.54	-36 20.4	2.038	3.008	7.0	20.8	7 10	18 6.53	+14 47.7	1.883	2.733	14.1	20.1
7 20	17 56.86	-35 56.5	2.090	3.010	9.9	20.9	7 20	17 59.93	+13 46.5	1.925	2.739	15.2	20.2
7 30	17 51.42	-35 24.4	2.166	3.012	12.6	21.1	7 30	17 55.23	+12 22.6	1.986	2.745	16.6	20.3
<b>60001</b>	Adélka		6 25.5 317°98	0°7/25.5	18		<b>248378</b>	2005 <i>RQ</i> <sub>27</sub>		6 25.5 255°59	6°0/24.9	18	
5 21	18 41.65	-24 43.6	1.975	2.831	13.1	19.2	5 21	18 48.82	-42 30.7	2.671	3.478	11.5	21.1
5 31	18 37.39	-24 55.6	1.887	2.818	10.0	19.0	5 31	18 42.67	-43 10.0	2.575	3.459	9.5	21.0
6 10	18 30.93	-25 8.2	1.821	2.805	6.4	18.7	6 10	18 34.21	-43 40.0	2.502	3.441	7.6	20.8
6 20	18 22.87	-25 19.3	1.780	2.792	2.4	18.4	6 20	18 24.07	-43 56.3	2.455	3.421	6.2	20.7
6 30	18 14.09	-25 27.4	1.766	2.779	2.0	18.4	6 30	18 13.17	-43 55.8	2.434	3.401	6.2	20.7
7 10	18 5.66	-25 31.6	1.778	2.767	6.1	18.6	7 10	18 2.62	-43 37.8	2.441	3.381	7.7	20.7
7 20	17 58.52	-25 32.2	1.816	2.755	9.9	18.8	7 20	17 53.42	-43 4.1	2.472	3.361	9.8	20.8
7 30	17 53.48	-25 30.2	1.876	2.744	13.3	19.0	7 30	17 46.38	-42 18.5	2.527	3.340	12.0	21.0
<b>254514</b>	2005 <i>EV</i> <sub>87</sub>		6 25.5 90°57	2°1/25.4	17		<b>364933</b>						

EPHEMERIDES

6 25.5

6 25.6

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>270841</b>	2002 <i>TW</i> <sub>9</sub>		6 25.5 265°35	0°4/25.5	18		<b>499736</b>	2011 <i>BO</i> <sub>39</sub>		6 25.6 176°54	2°6/25.4	17	
5 21	18 46.60	-23 11.6	1.716	2.571	14.8	21.2	5 21	18 49.20	-29 52.5	2.022	2.863	13.4	22.1
5 31	18 41.58	-23 30.6	1.623	2.553	11.4	20.9	5 31	18 43.02	-30 15.6	1.944	2.865	10.3	21.9
6 10	18 33.86	-23 52.3	1.551	2.535	7.3	20.6	6 10	18 34.44	-30 35.2	1.890	2.867	6.8	21.7
6 20	18 24.06	-24 14.3	1.504	2.516	2.7	20.3	6 20	18 24.18	-30 47.8	1.861	2.868	3.5	21.5
6 30	18 13.21	-24 33.9	1.483	2.497	2.2	20.2	6 30	18 13.25	-30 51.0	1.860	2.868	3.3	21.5
7 10	18 2.64	-24 49.5	1.488	2.477	7.0	20.5	7 10	18 2.86	-30 44.5	1.887	2.868	6.5	21.7
7 20	17 53.59	-25 0.9	1.519	2.458	11.5	20.7	7 20	17 54.03	-30 29.6	1.940	2.868	10.1	21.9
7 30	17 47.07	-25 9.1	1.571	2.438	15.5	20.9	7 30	17 47.55	-30 9.3	2.015	2.866	13.2	22.1
<b>44308</b>	1998 <i>RG</i>		6 25.5 179°85	2°6/25.9	18		<b>396167</b>	2013 <i>EB</i> <sub>92</sub>		6 25.6 128°04	9°0/26.1	18	
5 21	18 43.59	-14 34.0	2.278	3.111	12.4	19.4	5 21	18 40.36	+ 6 50.5	2.763	3.506	12.7	21.2
5 31	18 38.36	-14 40.6	2.197	3.112	9.6	19.2	5 31	18 35.53	+ 7 57.0	2.701	3.516	11.2	21.1
6 10	18 31.32	-14 54.2	2.140	3.113	6.4	19.0	6 10	18 29.33	+ 8 48.3	2.660	3.526	9.9	21.0
6 20	18 22.99	-15 14.4	2.108	3.113	3.4	18.8	6 20	18 22.24	+ 9 21.4	2.643	3.535	9.1	21.0
6 30	18 14.14	-15 40.1	2.105	3.113	3.0	18.8	6 30	18 14.83	+ 9 34.5	2.650	3.545	9.0	21.0
7 10	18 5.63	-16 10.2	2.130	3.112	5.8	19.0	7 10	18 7.74	+ 9 27.5	2.681	3.554	9.7	21.0
7 20	17 58.23	-16 43.3	2.181	3.111	9.0	19.2	7 20	18 1.54	+ 9 2.2	2.735	3.562	10.8	21.1
7 30	17 52.59	-17 18.1	2.256	3.110	11.9	19.4	7 30	17 56.69	+ 8 21.3	2.810	3.571	12.2	21.2
<b>3981</b>	Stodola		6 25.5 214°99	0°2/25.5	18		<b>386814</b>	2010 <i>FH</i> <sub>87</sub>		6 25.6 356°48	2°7/25.7	17	
5 21	18 42.16	-23 37.9	2.817	3.655	10.2	17.7	5 21	18 42.97	-16 32.0	1.909	2.757	13.8	21.2
5 31	18 37.07	-23 48.1	2.727	3.648	7.7	17.5	5 31	18 38.21	-16 15.0	1.833	2.757	10.7	21.0
6 10	18 30.41	-23 58.8	2.661	3.642	4.8	17.3	6 10	18 31.36	-16 3.3	1.779	2.757	7.1	20.8
6 20	18 22.64	-24 8.8	2.623	3.635	1.8	17.1	6 20	18 23.04	-15 57.3	1.750	2.757	3.7	20.6
6 30	18 14.42	-24 17.0	2.614	3.628	1.5	17.1	6 30	18 14.17	-15 56.9	1.748	2.757	3.3	20.5
7 10	18 6.46	-24 23.0	2.634	3.620	4.6	17.3	7 10	18 5.74	-16 1.9	1.772	2.757	6.6	20.7
7 20	17 59.43	-24 26.7	2.681	3.612	7.5	17.5	7 20	17 58.64	-16 11.9	1.822	2.757	10.2	21.0
7 30	17 53.88	-24 28.8	2.753	3.604	10.1	17.6	7 30	17 53.59	-16 26.2	1.894	2.757	13.4	21.2
<b>368951</b>	2006 <i>YM</i> <sub>41</sub>		6 25.6 233°73	0°6/25.5	17		<b>27982</b>	Atsushimiyazaki		6 25.6 290°72	3°0/25.8	18	
5 21	18 47.54	-24 22.4	1.928	2.775	13.8	22.0	5 21	18 41.96	-15 24.3	1.952	2.799	13.6	18.9
5 31	18 41.93	-24 32.9	1.837	2.763	10.5	21.8	5 31	18 37.54	-15 10.9	1.863	2.786	10.6	18.6
6 10	18 33.87	-24 43.8	1.769	2.751	6.7	21.5	6 10	18 31.02	-15 3.9	1.797	2.773	7.2	18.4
6 20	18 24.00	-24 53.1	1.726	2.738	2.5	21.2	6 20	18 22.96	-15 3.6	1.755	2.760	3.9	18.2
6 30	18 13.31	-24 58.8	1.711	2.724	2.1	21.2	6 30	18 14.21	-15 10.1	1.739	2.747	3.5	18.1
7 10	18 2.97	-25 0.1	1.723	2.710	6.4	21.4	7 10	18 5.77	-15 22.8	1.750	2.734	6.7	18.3
7 20	17 54.06	-24 57.6	1.761	2.696	10.5	21.6	7 20	17 58.55	-15 41.0	1.786	2.721	10.4	18.5
7 30	17 47.46	-24 52.8	1.821	2.680	14.1	21.8	7 30	17 53.32	-16 3.7	1.845	2.709	13.7	18.7
<b>415077</b>	2012 <i>BQ</i> <sub>82</sub>		6 25.6 161°99	1°3/25.7	17		<b>380248</b>	2001 <i>UC</i> <sub>190</sub>		6 25.6 305°54	4°0/25.5	17	
5 21	18 47.29	-19 9.1	1.597	2.451	15.8	21.8	5 21	18 42.87	-16 1.9	1.482	2.344	16.4	21.5
5 31	18 41.91	-19 20.4	1.526	2.454	12.1	21.6	5 31	18 38.89	-15 24.0	1.396	2.326	12.8	21.2
6 10	18 33.91	-19 37.3	1.475	2.457	7.7	21.3	6 10	18 32.20	-14 51.5	1.329	2.308	8.8	20.9
6 20	18 24.01	-19 58.4	1.448	2.459	3.1	21.1	6 20	18 23.47	-14 26.0	1.285	2.291	5.0	20.7
6 30	18 13.35	-20 21.5	1.448	2.461	2.5	21.0	6 30	18 13.77	-14 9.2	1.266	2.273	4.7	20.6
7 10	18 3.26	-20 45.2	1.474	2.463	7.1	21.3	7 10	18 4.45	-14 1.8	1.272	2.257	8.5	20.8
7 20	17 54.87	-21 8.4	1.525	2.464	11.4	21.6	7 20	17 56.72	-14 4.1	1.300	2.240	13.0	21.0
7 30	17 49.06	-21 31.0	1.597	2.465	15.2	21.8	7 30	17 51.59	-14 15.3	1.348	2.224	17.1	21.2
<b>217482</b>	2005 <i>YS</i> <sub>249</sub>		6 25.6 330°54	1°2/25.5	18		<b>121297</b>	1999 <i>RU</i> <sub>195</sub>		6 25.6 318°43	8°2/26.3	18	
5 21	18 41.47	-26 52.8	1.864	2.724	13.6	19.6	5 21	18 52.56	-47 38.4	2.123	2.923	14.3	19.2
5 31	18 37.40	-26 52.5	1.777	2.710	10.4	19.4	5 31	18 45.95	-47 59.2	2.044	2.916	12.2	19.0
6 10	18 31.02	-26 50.0	1.712	2.696	6.7	19.1	6 10	18 36.42	-48 3.5	1.985	2.909	10.0	18.9
6 20	18 22.96	-26 43.5	1.671	2.682	2.7	18.8	6 20	18 24.89	-47 46.1	1.950	2.903	8.5	18.8
6 30	18 14.18	-26 31.9	1.656	2.669	2.3	18.8	6 30	18 12.75	-47 3.9	1.940	2.896	8.3	18.7
7 10	18 5.81	-26 15.1	1.668	2.657	6.4	19.0	7 10	18 1.49	-45 58.0	1.955	2.890	9.6	18.8
7 20	17 58.85	-25 54.6	1.704	2.646	10.3	19.2	7 20	17 52.33	-44 33.3	1.995	2.884	11.7	18.9
7 30	17 54.12	-25 32.3	1.762	2.635	13.8	19.4	7 30	17 46.11	-42 56.8	2.057	2.879	14.1	19.1
<b>449554</b>	2014 <i>HO</i> <sub>175</sub>		6 25.6 291°54	6°3/24.3	18		<b>52175</b>	2204 <i>T-2</i>		6 25.6 220°55	0°5/25.5	18	
5 21	18 46.57	-39 3.6	2.188	3.018	12.9	21.1	5 21	18 44.31	-24 20.2	2.366	3.208	11.7	19.5
5 31	18 41.42	-40 7.9	2.101	3.003	10.5	20.9	5 31	18 39.01	-24 30.1	2.278	3.201	8.9	19.3
6 10	18 33.68	-41 5.3	2.036	2.989	8.2	20.7	6 10	18 31.78	-24 40.2	2.213	3.194	5.6	19.1
6 20	18 23.98	-41 50.2	1.996	2.974	6.5	20.6	6 20	18 23.20	-24 48.9	2.175	3.187	2.1	18.8
6 30	18 13.33	-42 18.1	1.983	2.960	6.7	20.5	6 30	18 14.05	-24 54.8	2.165	3.179	1.7	18.8
7 10	18 2.98	-42 27.1	1.995	2.945	8.6	20.6	7 10	18 5.22	-24 57.5	2.184	3.171	5.3	19.0
7 20	17 54.10	-42 18.3	2.032	2.931	11.1	20.8	7 20	17 57.53	-24 57.2	2.229	3.162	8.7	19.2
7 30	17 47.65	-41 55.5	2.090	2.917	13.7	20.9	7 30	17 51.66	-24 54.9	2.298	3.153	11.7	19.4
<b>428183</b>	2006 <i>UY</i> <sub>9</sub>		6 25.6 210°69	0°3/25.6	17		<b>278734</b>	2008 <i>SN</i> <sub>82</sub>		6 25.6 331°51	4°4/25.1	18	
5 21	18 47.31	-21 48.6	2.027	2.870	13.3	22.8	5 21	18 39.86	-29 59.7	1.228	2.113	17.6	19.4
5 31	18 41.55	-21 58.9	1.940	2.864	10.2	22.6	5 31	18 37.61	-30 40.5	1.142	2.086	13.8	19.1
6 10	18 33.53	-22 11.4	1.876	2.857	6.5	22.3	6 10	18 31.96	-31 19.9	1.075	2.060	9.4	18.7
6 20	18 23.86	-22 24.7	1.837	2.849	2.4	22.1	6 20	18 23.54	-31 52.2	1.028	2.036	5.2	18.4
6 30	18 13.47	-22 37.0	1.827	2.841	1.9	22.0	6 30	18 13.67	-32 12.0	1.004	2.013	5.2	18.4
7 10	18 3.45	-22 47.4	1.844	2.831	6.1	22.3	7 10	18 4.15	-32 16.3	1.003	1.991	9.6	18.5
7 20	17 54.77	-22 55.9	1.888	2.822	10.0	22.5	7 20	17 56.68	-32 6.0	1.021	1.971	14.6	18.7
7 30	17 48.24	-23 3.2	1.955	2.811	13.3	22.7	7 30	17 52.62	-31 44.7	1.058	1.952	19.3	19.0
<b>130713</b>	2000 <i>SQ</i> <sub>195</sub>		6 25.6 344°74	1°5/25.6	17		<b>508627</b>	2017 <i>SN</i> <sub>41</sub>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>25662</b>	Chonofsky		6 25.6 261 <sup>o</sup> .17	0 <sup>o</sup> .9/25.6 18			<b>187130</b>	2005 QV <sub>110</sub>		6 25.6 256 <sup>o</sup> .60	2 <sup>o</sup> .3/25.8 18		
5 21	18 43.87	-21 10.3	1.995	2.845	13.3	18.5	5 21	18 41.81	-16 5.6	2.468	3.304	11.5	21.4
5 31	18 38.97	-21 5.4	1.909	2.836	10.1	18.3	5 31	18 37.03	-15 56.4	2.372	3.289	8.9	21.2
6 10	18 31.90	-21 2.5	1.845	2.827	6.5	18.1	6 10	18 30.53	-15 51.9	2.299	3.274	5.9	21.0
6 20	18 23.28	-21 0.8	1.806	2.818	2.5	17.8	6 20	18 22.79	-15 52.1	2.253	3.259	3.1	20.7
6 30	18 14.00	-20 59.7	1.795	2.808	2.0	17.8	6 30	18 14.48	-15 56.9	2.235	3.243	2.8	20.7
7 10	18 5.09	-20 58.8	1.810	2.798	6.1	18.0	7 10	18 6.41	-16 6.0	2.245	3.227	5.6	20.8
7 20	17 57.48	-20 58.3	1.851	2.789	9.9	18.2	7 20	17 59.30	-16 18.8	2.281	3.211	8.7	21.0
7 30	17 51.93	-20 58.9	1.915	2.779	13.3	18.4	7 30	17 53.79	-16 34.8	2.342	3.195	11.5	21.2
<b>367903</b>	2012 BJ <sub>44</sub>		6 25.6 47 <sup>o</sup> .25	1 <sup>o</sup> .4/25.5 17			<b>443565</b>	2014 KX <sub>31</sub>		6 25.6 297 <sup>o</sup> .73	0 <sup>o</sup> .3/25.5 16 R		
5 21	18 46.79	-25 32.6	1.252	2.126	18.0	20.9	5 21	18 42.17	-22 28.7	2.215	3.064	12.2	21.3
5 31	18 42.09	-25 50.3	1.198	2.138	13.7	20.6	5 31	18 37.58	-22 58.1	2.128	3.055	9.2	21.1
6 10	18 34.21	-26 7.9	1.163	2.150	8.7	20.4	6 10	18 31.00	-23 30.4	2.064	3.047	5.8	20.9
6 20	18 24.15	-26 21.8	1.150	2.162	3.4	20.1	6 20	18 22.99	-24 3.5	2.027	3.038	2.1	20.6
6 30	18 13.38	-26 29.3	1.161	2.175	2.9	20.1	6 30	18 14.33	-24 35.3	2.016	3.030	1.8	20.6
7 10	18 3.55	-26 29.7	1.197	2.188	8.0	20.5	7 10	18 5.95	-25 4.2	2.034	3.022	5.5	20.8
7 20	17 55.98	-26 24.4	1.254	2.202	12.7	20.8	7 20	17 58.70	-25 29.3	2.078	3.014	9.1	21.0
7 30	17 51.55	-26 15.9	1.332	2.215	16.8	21.0	7 30	17 53.32	-25 50.7	2.145	3.006	12.2	21.2
<b>87214</b>	2000 OX <sub>36</sub>		6 25.6 245 <sup>o</sup> .86	2 <sup>o</sup> .9/25.6 18			<b>95497</b>	2002 EB <sub>35</sub>		6 25.6 310 <sup>o</sup> .89	7 <sup>o</sup> .7/26.7 18		
5 21	18 45.11	-17 1.3	1.953	2.796	13.8	20.1	5 21	18 39.57	-0 54.7	2.183	2.984	13.9	19.8
5 31	18 39.91	-16 30.9	1.863	2.784	10.7	19.8	5 31	18 35.44	-0 23.8	2.101	2.975	11.8	19.6
6 10	18 32.51	-16 4.0	1.796	2.772	7.1	19.6	6 10	18 29.56	-0 7.9	2.040	2.967	9.7	19.4
6 20	18 23.51	-15 41.5	1.753	2.759	3.8	19.4	6 20	18 22.44	-0 9.4	2.003	2.959	8.1	19.3
6 30	18 13.83	-15 24.0	1.738	2.746	3.5	19.3	6 30	18 14.79	-0 29.8	1.990	2.951	7.8	19.3
7 10	18 4.50	-15 12.3	1.750	2.733	6.8	19.5	7 10	18 7.42	-1 8.3	2.002	2.943	9.1	19.4
7 20	17 56.47	-15 6.7	1.788	2.719	10.6	19.7	7 20	18 1.07	-2 2.4	2.038	2.936	11.2	19.5
7 30	17 50.53	-15 7.2	1.848	2.705	14.0	19.9	7 30	17 56.38	-3 8.6	2.097	2.928	13.5	19.6
<b>290681</b>	2005 UM <sub>350</sub>		6 25.6 327 <sup>o</sup> .22	10 <sup>o</sup> .0/25.5 17			<b>390688</b>	2002 VF <sub>8</sub>		6 25.6 287 <sup>o</sup> .87	5 <sup>o</sup> .3/24.9 18		
5 21	18 38.32	-0 37.7	1.755	2.571	16.2	20.4	5 21	18 47.57	-35 54.6	2.003	2.842	13.6	21.0
5 31	18 34.96	+0 31.2	1.671	2.552	14.0	20.2	5 31	18 42.38	-36 37.4	1.903	2.816	10.9	20.7
6 10	18 29.49	+1 24.5	1.607	2.534	11.8	20.1	6 10	18 34.45	-37 14.3	1.824	2.790	8.0	20.5
6 20	18 22.45	+1 57.3	1.564	2.516	10.3	19.9	6 20	18 24.37	-37 40.1	1.770	2.763	5.7	20.3
6 30	18 14.68	+2 5.6	1.543	2.498	10.2	19.9	6 30	18 13.20	-37 50.5	1.743	2.736	5.7	20.2
7 10	18 7.18	+1 48.7	1.546	2.482	11.7	19.9	7 10	18 2.27	-37 43.8	1.741	2.709	8.2	20.3
7 20	18 0.89	+1 8.3	1.570	2.466	14.0	20.0	7 20	17 52.86	-37 21.4	1.764	2.682	11.5	20.5
7 30	17 56.60	+0 8.7	1.614	2.451	16.6	20.2	7 30	17 46.00	-36 47.3	1.809	2.654	14.7	20.6
<b>256315</b>	2006 WS <sub>193</sub>		6 25.6 359 <sup>o</sup> .82	0 <sup>o</sup> .5/25.5 18			<b>358322</b>	2006 UX <sub>360</sub>		6 25.6 208 <sup>o</sup> .15	2 <sup>o</sup> .3/26.0 18		
5 21	18 41.08	-21 57.9	1.721	2.584	14.4	19.5	5 21	18 41.53	-14 38.2	2.461	3.294	11.6	21.1
5 31	18 37.19	-22 36.4	1.648	2.582	10.9	19.2	5 31	18 36.76	-14 51.1	2.377	3.293	8.9	20.9
6 10	18 30.94	-23 19.6	1.596	2.581	6.9	19.0	6 10	18 30.32	-15 10.7	2.317	3.291	6.0	20.7
6 20	18 22.98	-24 4.7	1.568	2.581	2.5	18.7	6 20	18 22.71	-15 36.6	2.283	3.289	3.1	20.5
6 30	18 14.29	-24 48.3	1.567	2.581	2.1	18.7	6 30	18 14.61	-16 7.6	2.278	3.286	2.7	20.5
7 10	18 6.02	-25 28.1	1.592	2.582	6.5	19.0	7 10	18 6.79	-16 42.4	2.301	3.284	5.4	20.6
7 20	17 59.22	-26 2.5	1.641	2.584	10.6	19.2	7 20	17 59.95	-17 19.6	2.350	3.282	8.4	20.8
7 30	17 54.72	-26 31.5	1.712	2.586	14.1	19.4	7 30	17 54.69	-17 58.0	2.424	3.279	11.1	21.0
<b>343969</b>	2011 LZ <sub>11</sub>		6 25.6 297 <sup>o</sup> .85	0 <sup>o</sup> .2/25.6 18			<b>21469</b>	Robschum		6 25.6 26 <sup>o</sup> .95	2 <sup>o</sup> .3/25.5 18		
5 21	18 43.95	-22 35.3	1.754	2.612	14.4	20.8	5 21	18 44.73	-27 4.6	1.117	2.002	19.0	18.5
5 31	18 39.37	-22 52.2	1.672	2.603	11.0	20.6	5 31	18 40.90	-27 25.0	1.066	2.010	14.4	18.3
6 10	18 32.34	-23 12.0	1.611	2.595	7.0	20.3	6 10	18 33.66	-27 43.7	1.032	2.020	9.3	18.0
6 20	18 23.50	-23 32.5	1.575	2.587	2.6	20.0	6 20	18 24.03	-27 56.5	1.020	2.031	4.0	17.7
6 30	18 13.87	-23 51.5	1.565	2.580	2.1	20.0	6 30	18 13.62	-28 0.3	1.030	2.043	3.5	17.8
7 10	18 4.63	-24 7.7	1.582	2.572	6.6	20.2	7 10	18 4.23	-27 54.7	1.063	2.055	8.6	18.1
7 20	17 56.88	-24 20.8	1.623	2.564	10.8	20.5	7 20	17 57.27	-27 41.8	1.118	2.069	13.5	18.4
7 30	17 51.49	-24 31.5	1.687	2.557	14.5	20.7	7 30	17 53.67	-27 25.0	1.191	2.083	17.7	18.7
<b>134561</b>	1999 RM <sub>175</sub>		6 25.6 261 <sup>o</sup> .55	1 <sup>o</sup> .5/25.6 17			<b>492276</b>	2013 XO <sub>17</sub>		6 25.6 170 <sup>o</sup> .43	0 <sup>o</sup> .6/25.7 17		
5 21	18 46.53	-19 49.6	1.673	2.526	15.2	20.7	5 21	18 45.23	-20 50.8	2.289	3.129	12.1	22.8
5 31	18 41.50	-19 42.3	1.581	2.509	11.7	20.4	5 31	18 39.66	-20 57.9	2.210	3.132	9.2	22.6
6 10	18 33.81	-19 38.7	1.509	2.491	7.6	20.1	6 10	18 32.18	-21 7.5	2.155	3.135	5.8	22.4
6 20	18 24.08	-19 38.0	1.463	2.473	3.2	19.8	6 20	18 23.40	-21 18.3	2.126	3.138	2.2	22.2
6 30	18 13.37	-19 39.4	1.442	2.455	2.7	19.7	6 30	18 14.10	-21 29.3	2.126	3.140	1.8	22.1
7 10	18 2.98	-19 42.4	1.448	2.436	7.3	20.0	7 10	18 5.20	-21 39.6	2.154	3.141	5.4	22.4
7 20	17 54.11	-19 47.2	1.478	2.417	11.8	20.2	7 20	17 57.49	-21 49.1	2.209	3.142	8.8	22.6
7 30	17 47.74	-19 54.1	1.530	2.397	15.8	20.4	7 30	17 51.62	-21 58.2	2.288	3.142	11.7	22.8
<b>397065</b>	2005 UQ <sub>156</sub>		6 25.6 299 <sup>o</sup> .04	2 <sup>o</sup> .6/25.7 18			<b>477723</b>	2010 SK <sub>21</sub>		6 25.6 197 <sup>o</sup> .40	5 <sup>o</sup> .5/26.0 18		
5 21	18 41.15	-16 38.8	2.102	2.948	12.8	20.8	5 21	18 39.83	-3 44.8	3.003	3.796	10.7	22.3
5 31	18 36.83	-16 22.3	2.008	2.931	9.9	20.6	5 31	18 35.13	-3 10.5	2.919	3.793	8.9	22.1
6 10	18 30.54	-16 10.4	1.938	2.915	6.6	20.4	6 10	18 29.14	-2 45.6	2.859	3.790	7.1	22.0
6 20	18 22.81	-16 3.5	1.892	2.898	3.4	20.1	6 20	18 22.26	-2 31.5	2.825	3.786	5.8	21.9
6 30	18 14.43	-16 1.8	1.873	2.882	3.1	20.1	6 30	18 15.03	-2 29.4	2.817	3.782	5.6	21.9
7 10	18 6.33	-16 5.1	1.881	2.866	6.3	20.2	7 10	18 8.04	-2 39.1	2.837	3.778	6.7	22.0
7 20	17 59.34	-16 13.2	1.915	2.850	9.8	20.4	7 20	18 1.81	-2 59.6	2.883	3.774	8.5	22.1
7 30	17 54.20	-16 25.7	1.972	2.834	13.0	20.6	7 30	17 56.82	-3 29.5	2.953	3.769	10.4	22.2
<b>23468</b>	Kannabe												

EPHEMERIDES

6 25.6

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>514392</b>	2016 <i>SO</i> <sub>17</sub>		6 25.6 248°92	4.1/25.2	18		<b>522850</b>	2016 <i>NF</i> <sub>86</sub>		6 25.6 241°75	2.8/26.0	18	
5 21	18 46.89	-34 27.7	2.211	3.048	12.6	22.0	5 21	18 42.99	-14 22.4	2.159	2.996	12.8	21.8
5 31	18 41.37	-34 58.7	2.124	3.038	9.9	21.8	5 31	18 38.14	-14 25.1	2.072	2.988	10.0	21.6
6 10	18 33.51	-35 23.8	2.059	3.027	7.0	21.6	6 10	18 31.35	-14 35.3	2.006	2.980	6.8	21.4
6 20	18 23.95	-35 39.3	2.019	3.016	4.6	21.4	6 20	18 23.16	-14 52.7	1.967	2.971	3.7	21.2
6 30	18 13.67	-35 42.4	2.007	3.005	4.5	21.4	6 30	18 14.35	-15 16.7	1.955	2.962	3.2	21.1
7 10	18 3.77	-35 32.2	2.022	2.994	7.0	21.5	7 10	18 5.82	-15 46.0	1.970	2.953	6.2	21.3
7 20	17 55.29	-35 10.5	2.063	2.982	10.0	21.7	7 20	17 58.41	-16 19.2	2.012	2.944	9.5	21.5
7 30	17 49.03	-34 40.4	2.126	2.971	12.9	21.9	7 30	17 52.82	-16 55.1	2.077	2.935	12.6	21.7
<b>215451</b>	2002 <i>OH</i> <sub>19</sub>		6 25.6 321°34	7.1/23.1	18		<b>130867</b>	2000 <i>US</i> <sub>110</sub>		6 25.6 170°73	8.5/23.9	18	
5 21	18 46.64	-19 36.3	1.151	2.027	19.1	18.1	5 21	18 56.84	-48 39.1	2.530	3.309	12.8	21.1
5 31	18 42.61	-17 1.5	1.057	1.996	15.2	17.8	5 31	18 49.27	-50 2.0	2.462	3.313	11.1	20.9
6 10	18 35.05	-14 10.8	0.984	1.965	10.8	17.4	6 10	18 38.71	-51 12.2	2.417	3.317	9.5	20.8
6 20	18 24.72	-11 11.5	0.934	1.935	7.4	17.1	6 20	18 25.93	-52 3.1	2.396	3.320	8.6	20.8
6 30	18 13.00	-8 15.5	0.908	1.906	8.4	17.1	6 30	18 12.14	-52 29.8	2.401	3.323	8.7	20.8
7 10	18 1.70	-5 36.6	0.906	1.878	13.1	17.2	7 10	17 58.85	-52 31.3	2.431	3.324	9.8	20.9
7 20	17 52.49	-3 26.1	0.926	1.852	18.4	17.4	7 20	17 47.39	-52 10.2	2.486	3.325	11.4	21.0
7 30	17 46.63	-1 49.1	0.963	1.827	23.2	17.6	7 30	17 38.77	-51 31.9	2.561	3.326	13.1	21.1
<b>211173</b>	2002 <i>JQ</i> <sub>15</sub>		6 25.6 59°68	0.7/25.7	17		<b>383006</b>	2005 <i>LE</i> <sub>19</sub>		6 25.6 328°74	7.8/25.3	16	
5 21	18 47.22	-20 48.0	1.272	2.141	18.0	19.8	5 21	18 35.16	-12 22.3	1.030	1.920	19.7	20.2
5 31	18 42.23	-21 2.6	1.220	2.158	13.7	19.6	5 31	18 34.23	-11 22.6	0.934	1.878	16.1	19.8
6 10	18 34.24	-21 22.2	1.188	2.174	8.6	19.4	6 10	18 30.04	-10 30.7	0.856	1.836	12.0	19.4
6 20	18 24.21	-21 44.3	1.179	2.191	3.2	19.1	6 20	18 23.03	-9 52.5	0.795	1.796	8.5	19.1
6 30	18 13.55	-22 6.3	1.194	2.208	2.5	19.1	6 30	18 14.28	-9 33.7	0.755	1.757	8.4	18.9
7 10	18 3.80	-22 26.5	1.233	2.225	7.7	19.4	7 10	18 5.47	-9 37.9	0.733	1.720	12.5	18.9
7 20	17 56.22	-22 44.4	1.296	2.242	12.4	19.8	7 20	17 58.39	-10 5.6	0.729	1.685	17.9	19.1
7 30	17 51.63	-23 0.5	1.378	2.260	16.4	20.0	7 30	17 54.65	-10 54.0	0.741	1.653	23.3	19.2
<b>54543</b>	2000 <i>QC</i> <sub>60</sub>		6 25.6 114°66	4.8/26.6	18		<b>289437</b>	2005 <i>EE</i> <sub>30</sub>		6 25.6 66°14	2.3/25.7	17	
5 21	18 45.24	-9 2.3	1.847	2.675	15.0	18.3	5 21	18 46.54	-18 31.2	1.366	2.230	17.4	20.7
5 31	18 39.91	-9 10.6	1.779	2.686	11.9	18.1	5 31	18 41.53	-18 17.7	1.309	2.243	13.3	20.5
6 10	18 32.46	-9 32.1	1.733	2.696	8.5	17.9	6 10	18 33.73	-18 10.0	1.272	2.255	8.6	20.3
6 20	18 23.53	-10 6.8	1.712	2.706	5.6	17.8	6 20	18 24.04	-18 7.6	1.258	2.268	3.8	20.0
6 30	18 14.05	-10 53.5	1.717	2.716	5.0	17.8	6 30	18 13.73	-18 10.1	1.268	2.281	3.3	20.0
7 10	18 5.07	-11 49.5	1.749	2.726	7.4	17.9	7 10	18 4.25	-18 16.6	1.304	2.293	7.7	20.3
7 20	17 57.47	-12 51.7	1.806	2.735	10.7	18.1	7 20	17 56.73	-18 26.9	1.363	2.306	12.2	20.6
7 30	17 51.97	-13 56.8	1.887	2.744	13.7	18.4	7 30	17 52.00	-18 40.4	1.442	2.319	16.0	20.9
<b>519584</b>	2012 <i>TD</i> <sub>28</sub>		6 25.6 202°87	2.4/25.8	17		<b>192398</b>	1996 <i>XL</i> <sub>10</sub>		6 25.6 231°84	1.7/25.5	17	
5 21	18 43.93	-16 43.9	2.120	2.961	12.9	21.8	5 21	18 47.69	-28 8.5	2.313	3.150	12.1	21.8
5 31	18 38.81	-16 31.9	2.038	2.958	10.0	21.6	5 31	18 41.77	-28 21.7	2.216	3.136	9.3	21.6
6 10	18 31.73	-16 24.7	1.979	2.955	6.6	21.4	6 10	18 33.69	-28 32.6	2.143	3.121	6.0	21.4
6 20	18 23.26	-16 22.3	1.946	2.952	3.3	21.2	6 20	18 24.04	-28 38.8	2.097	3.106	2.7	21.2
6 30	18 14.25	-16 24.7	1.940	2.949	2.9	21.2	6 30	18 13.67	-28 38.3	2.079	3.090	2.5	21.1
7 10	18 5.61	-16 31.3	1.961	2.945	6.1	21.4	7 10	18 3.61	-28 30.8	2.090	3.073	5.8	21.3
7 20	17 58.18	-16 41.8	2.009	2.942	9.5	21.6	7 20	17 54.78	-28 17.1	2.127	3.056	9.3	21.5
7 30	17 52.63	-16 55.8	2.080	2.937	12.6	21.8	7 30	17 47.97	-27 59.4	2.188	3.038	12.4	21.7
<b>66726</b>	1999 <i>TG</i> <sub>110</sub>		6 25.6 1°37	4.5/25.6	18		<b>507666</b>	2013 <i>RF</i> <sub>41</sub>		6 25.6 255°50	4.0/25.9	18	
5 21	18 41.25	-15 14.2	1.405	2.271	16.8	18.7	5 21	18 45.00	-13 17.7	1.820	2.661	14.7	22.3
5 31	18 37.56	-14 30.7	1.337	2.270	13.1	18.5	5 31	18 40.07	-13 0.8	1.728	2.646	11.6	22.1
6 10	18 31.27	-13 54.4	1.290	2.269	9.0	18.2	6 10	18 32.79	-12 52.1	1.658	2.630	8.1	21.9
6 20	18 23.15	-13 27.2	1.265	2.269	5.3	18.0	6 20	18 23.76	-12 52.7	1.612	2.613	4.9	21.6
6 30	18 14.35	-13 10.8	1.264	2.270	5.0	18.0	6 30	18 13.88	-13 2.7	1.592	2.597	4.5	21.6
7 10	18 6.14	-13 5.8	1.287	2.272	8.5	18.2	7 10	18 4.28	-13 21.6	1.599	2.580	7.6	21.7
7 20	17 59.65	-13 11.5	1.333	2.274	12.6	18.5	7 20	17 55.98	-13 48.2	1.631	2.562	11.4	21.9
7 30	17 55.71	-13 26.6	1.398	2.278	16.4	18.7	7 30	17 49.88	-14 21.0	1.684	2.544	15.0	22.1
<b>403824</b>	2011 <i>UM</i> <sub>164</sub>		6 25.6 276°23	0.3/25.6	17		<b>439091</b>	2011 <i>QV</i> <sub>46</sub>		6 25.6 278°76	5.9/25.2	18	
5 21	18 47.00	-21 3.0	1.373	2.239	17.2	21.4	5 21	18 42.40	-9 32.6	2.074	2.903	13.6	20.5
5 31	18 42.54	-21 25.5	1.285	2.221	13.3	21.1	5 31	18 37.73	-8 32.7	1.984	2.888	11.0	20.3
6 10	18 34.87	-21 54.6	1.217	2.202	8.6	20.8	6 10	18 31.11	-7 39.9	1.916	2.873	8.3	20.1
6 20	18 24.64	-22 27.6	1.172	2.184	3.2	20.5	6 20	18 23.08	-6 57.1	1.873	2.858	6.2	19.9
6 30	18 13.06	-23 1.1	1.151	2.165	2.5	20.4	6 30	18 14.44	-6 26.8	1.857	2.843	6.2	19.9
7 10	18 1.77	-23 32.5	1.155	2.146	8.2	20.6	7 10	18 6.09	-6 10.3	1.866	2.828	8.3	20.0
7 20	17 52.30	-24 0.2	1.182	2.128	13.5	20.9	7 20	17 58.86	-6 7.6	1.901	2.812	11.1	20.1
7 30	17 45.89	-24 24.6	1.229	2.109	18.1	21.1	7 30	17 53.47	-6 17.5	1.957	2.797	14.0	20.3
<b>418991</b>	2009 <i>LB</i> <sub>6</sub>		6 25.6 353°92	1.5/25.6	17		<b>398302</b>	2010 <i>WR</i> <sub>32</sub>		6 25.6 310°22	0.1/25.6	18	
5 21	18 45.26	-27 45.6	1.269	2.145	17.7	20.0	5 21	18 41.41	-22 41.8	2.089	2.942	12.6	20.9
5 31	18 41.12	-27 30.7	1.201	2.141	13.6	19.7	5 31	18 37.18	-22 52.4	1.996	2.925	9.6	20.7
6 10	18 33.76	-27 10.9	1.152	2.139	8.7	19.5	6 10	18 30.86	-23 4.9	1.925	2.908	6.1	20.4
6 20	18 24.11	-26 44.0	1.125	2.137	3.5	19.1	6 20	18 23.02	-23 17.9	1.879	2.891	2.3	20.1
6 30	18 13.60	-26 9.4	1.122	2.135	2.9	19.1	6 30	18 14.47	-23 30.1	1.861	2.875	1.8	20.1
7 10	18 3.90	-25 28.9	1.142	2.135	8.1	19.4	7 10	18 6.19	-23 40.4	1.869	2.859	5.8	20.3
7 20	17 56.40	-24 46.0	1.185	2.135	13.0	19.7	7 20	17 59.07	-23 48.6	1.903	2.843	9.6	20.5
7 30	17 52.06	-24 4.7	1.248	2.136	17.3	19.9	7 30	17 53.91	-23 55.4	1.960	2.827	12.9	20.7
<b>213342</b>	2001 <i>SB</i> <sub>251</sub>		6 25.6 291°92	0.4/25.6	18		<b>7362</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>145807</b>	1998 <i>SU</i> <sub>77</sub>		6 25.6 261°55	0°7/25.5	18		<b>83427</b>	2001 <i>SV</i> <sub>44</sub>		6 25.6 309°50	0°5/25.7	18	
5 21	18 47.04	-23 46.2	1.768	2.620	14.6	20.1	5 21	18 42.62	-21 9.5	1.935	2.789	13.4	18.7
5 31	18 41.91	-24 6.9	1.674	2.602	11.2	19.9	5 31	18 38.16	-21 19.3	1.851	2.781	10.2	18.5
6 10	18 34.13	-24 29.9	1.601	2.584	7.2	19.6	6 10	18 31.52	-21 32.3	1.790	2.773	6.5	18.3
6 20	18 24.30	-24 52.4	1.554	2.566	2.7	19.3	6 20	18 23.30	-21 47.1	1.754	2.765	2.5	18.0
6 30	18 13.44	-25 11.9	1.533	2.546	2.3	19.2	6 30	18 14.39	-22 2.4	1.744	2.758	1.9	17.9
7 10	18 2.85	-25 26.7	1.538	2.527	6.9	19.5	7 10	18 5.84	-22 17.0	1.761	2.751	6.1	18.2
7 20	17 53.74	-25 36.6	1.569	2.507	11.3	19.7	7 20	17 58.60	-22 30.5	1.804	2.744	9.9	18.4
7 30	17 47.11	-25 42.9	1.622	2.487	15.2	19.9	7 30	17 53.45	-22 43.1	1.869	2.737	13.4	18.6
<b>511061</b>	2013 <i>SM</i> <sub>84</sub>		6 25.6 334°48	19°0/15.8	17		<b>261167</b>	2005 <i>TS</i> <sub>104</sub>		6 25.6 277°12	1°9/25.6	18	
5 21	18 36.86	+ 0 17.1	1.019	1.874	22.6	20.3	5 21	18 42.64	-18 58.6	2.283	3.126	12.0	20.7
5 31	18 35.20	+ 4 9.7	0.948	1.845	20.6	20.0	5 31	18 37.83	-18 32.5	2.188	3.110	9.3	20.5
6 10	18 30.38	+ 7 54.5	0.896	1.817	19.3	19.8	6 10	18 31.16	-18 8.3	2.115	3.093	6.1	20.3
6 20	18 23.05	+11 13.5	0.863	1.791	19.2	19.7	6 20	18 23.13	-17 46.3	2.069	3.077	2.9	20.0
6 30	18 14.40	+13 49.1	0.848	1.767	20.4	19.7	6 30	18 14.52	-17 26.9	2.050	3.060	2.6	20.0
7 10	18 6.05	+15 29.9	0.849	1.745	22.8	19.7	7 10	18 6.19	-17 10.6	2.059	3.044	5.8	20.1
7 20	17 59.53	+16 13.4	0.863	1.725	25.5	19.8	7 20	17 58.95	-16 58.2	2.094	3.027	9.2	20.3
7 30	17 56.12	+16 4.4	0.889	1.707	28.2	20.0	7 30	17 53.45	-16 50.0	2.153	3.010	12.3	20.5
<b>286394</b>	2001 <i>YF</i> <sub>23</sub>		6 25.6 216°82	0°2/25.6	17		<b>85087</b>	3090 <i>T</i> <sub>-2</sub>		6 25.6 242°70	0°9/25.5	18	
5 21	18 48.84	-23 24.8	1.557	2.414	16.0	21.0	5 21	18 48.08	-24 54.1	1.828	2.677	14.3	20.8
5 31	18 43.34	-23 20.3	1.478	2.409	12.2	20.8	5 31	18 42.59	-25 9.7	1.736	2.663	11.0	20.5
6 10	18 35.00	-23 16.3	1.421	2.404	7.8	20.5	6 10	18 34.50	-25 25.8	1.667	2.649	7.0	20.2
6 20	18 24.58	-23 11.1	1.387	2.399	2.9	20.2	6 20	18 24.45	-25 39.8	1.623	2.634	2.7	19.9
6 30	18 13.29	-23 3.3	1.379	2.393	2.3	20.2	6 30	18 13.47	-25 49.5	1.605	2.619	2.3	19.9
7 10	18 2.57	-22 53.1	1.397	2.387	7.3	20.4	7 10	18 2.82	-25 53.6	1.615	2.603	6.7	20.1
7 20	17 53.67	-22 41.5	1.440	2.380	11.9	20.7	7 20	17 53.68	-25 52.8	1.650	2.587	11.0	20.3
7 30	17 47.53	-22 30.4	1.504	2.374	15.9	20.9	7 30	17 46.98	-25 48.7	1.708	2.570	14.7	20.5
<b>465625</b>	2009 <i>HR</i> <sub>20</sub>		6 25.6 72°84	3°6/25.1	16		<b>208219</b>	2000 <i>SA</i> <sub>114</sub>		6 25.6 333°92	6°9/24.7	18	
5 21	18 49.29	-28 35.1	1.376	2.240	17.3	21.5	5 21	18 43.20	-32 51.4	1.084	1.970	19.3	19.1
5 31	18 44.01	-29 30.3	1.319	2.252	13.2	21.2	5 31	18 40.67	-34 2.4	1.013	1.955	15.3	18.8
6 10	18 35.53	-30 24.1	1.281	2.263	8.7	21.0	6 10	18 34.21	-35 10.2	0.960	1.941	11.0	18.5
6 20	18 24.78	-31 10.3	1.268	2.275	4.5	20.8	6 20	18 24.56	-36 6.1	0.927	1.929	7.4	18.3
6 30	18 13.18	-31 43.9	1.279	2.287	4.4	20.8	6 30	18 13.34	-36 41.3	0.916	1.917	7.6	18.3
7 10	18 2.42	-32 2.6	1.314	2.298	8.4	21.1	7 10	18 2.71	-36 52.2	0.925	1.907	11.4	18.4
7 20	17 53.87	-32 8.1	1.373	2.310	12.7	21.4	7 20	17 54.64	-36 40.3	0.954	1.898	16.1	18.7
7 30	17 48.49	-32 3.6	1.453	2.322	16.4	21.6	7 30	17 50.56	-36 11.8	1.001	1.890	20.5	18.9
<b>396827</b>	2004 <i>RA</i> <sub>112</sub>		6 25.6 259°46	3°1/25.4	18		<b>222458</b>	2001 <i>RL</i> <sub>25</sub>		6 25.6 222°74	0°2/25.6	18	
5 21	18 42.12	-15 36.5	2.449	3.284	11.6	20.7	5 21	18 47.25	-23 52.5	2.032	2.876	13.3	21.3
5 31	18 37.20	-14 53.9	2.360	3.275	9.0	20.5	5 31	18 41.60	-23 54.8	1.943	2.868	10.1	21.1
6 10	18 30.61	-14 14.5	2.295	3.266	6.2	20.4	6 10	18 33.67	-23 57.3	1.877	2.858	6.4	20.8
6 20	18 22.87	-13 39.3	2.256	3.257	3.7	20.2	6 20	18 24.09	-23 58.3	1.837	2.849	2.4	20.6
6 30	18 14.67	-13 9.8	2.245	3.248	3.5	20.2	6 30	18 13.80	-23 56.6	1.824	2.838	1.9	20.5
7 10	18 6.78	-12 46.7	2.262	3.239	6.0	20.3	7 10	18 3.88	-23 51.8	1.840	2.827	6.1	20.8
7 20	17 59.90	-12 30.6	2.306	3.230	8.9	20.5	7 20	17 55.32	-23 44.7	1.881	2.816	9.9	21.0
7 30	17 54.63	-12 21.6	2.373	3.220	11.6	20.6	7 30	17 48.93	-23 36.6	1.946	2.804	13.3	21.2
<b>201834</b>	2003 <i>YS</i> <sub>57</sub>		6 25.6 224°88	0°6/25.6	18		<b>62989</b>	2000 <i>WC</i> <sub>2</sub>		6 25.6 235°74	0°1/25.6	18	
5 21	18 44.90	-22 10.2	2.302	3.143	12.0	20.5	5 21	18 44.05	-24 32.8	2.499	3.339	11.2	18.8
5 31	18 39.49	-21 57.6	2.212	3.135	9.1	20.3	5 31	18 38.71	-24 13.9	2.409	3.331	8.5	18.6
6 10	18 32.16	-21 45.4	2.146	3.126	5.8	20.1	6 10	18 31.60	-23 53.4	2.343	3.323	5.4	18.4
6 20	18 23.47	-21 32.9	2.106	3.117	2.2	19.8	6 20	18 23.28	-23 30.8	2.303	3.315	2.0	18.2
6 30	18 14.22	-21 19.9	2.094	3.108	1.8	19.8	6 30	18 14.48	-23 5.9	2.293	3.307	1.6	18.1
7 10	18 5.32	-21 6.7	2.111	3.098	5.5	20.0	7 10	18 6.03	-22 39.5	2.311	3.298	5.0	18.3
7 20	17 57.59	-20 53.9	2.155	3.088	8.9	20.2	7 20	17 58.69	-22 12.8	2.356	3.289	8.3	18.5
7 30	17 51.70	-20 42.5	2.222	3.078	12.0	20.4	7 30	17 53.06	-21 47.2	2.426	3.280	11.1	18.7
<b>46018</b>	2001 <i>DX</i> <sub>6</sub>		6 25.6 170°71	1°4/25.7	17		<b>297609</b>	2001 <i>SN</i> <sub>274</sub>		6 25.6 328°90	6°4/25.9	16	
5 21	18 44.36	-19 16.6	1.952	2.800	13.6	19.6	5 21	18 41.19	- 6 49.5	2.033	2.857	14.0	20.4
5 31	18 39.32	-19 14.0	1.876	2.801	10.4	19.4	5 31	18 36.77	- 6 7.3	1.957	2.855	11.4	20.2
6 10	18 32.14	-19 15.1	1.821	2.802	6.7	19.1	6 10	18 30.48	- 5 36.2	1.903	2.853	8.8	20.1
6 20	18 23.48	-19 19.4	1.792	2.803	2.8	18.9	6 20	18 22.89	- 5 18.7	1.873	2.852	6.8	19.9
6 30	18 14.23	-19 26.0	1.791	2.803	2.3	18.9	6 30	18 14.78	- 5 16.1	1.868	2.850	6.6	19.9
7 10	18 5.43	-19 34.2	1.816	2.804	6.1	19.1	7 10	18 7.04	- 5 28.5	1.889	2.849	8.3	20.0
7 20	17 57.97	-19 43.9	1.867	2.804	9.9	19.3	7 20	18 0.46	- 5 54.2	1.935	2.847	10.9	20.2
7 30	17 52.59	-19 54.9	1.940	2.804	13.1	19.5	7 30	17 55.69	- 6 30.9	2.002	2.846	13.6	20.4
<b>355168</b>	2006 <i>WG</i> <sub>4</sub>		6 25.6 26°80	1°3/25.3	18		<b>152141</b>	2004 <i>VZ</i> <sub>61</sub>		6 25.6 281°98	5°5/23.8	18	
5 21	18 43.73	-24 10.6	2.076	2.926	12.8	20.7	5 21	18 47.19	-36 25.6	2.389	3.219	12.0	19.3
5 31	18 38.88	-24 57.6	2.000	2.928	9.7	20.5	5 31	18 41.74	-37 51.2	2.305	3.210	9.6	19.1
6 10	18 31.92	-25 47.0	1.947	2.930	6.2	20.3	6 10	18 33.91	-39 13.0	2.245	3.202	7.3	18.9
6 20	18 23.42	-26 35.6	1.921	2.932	2.5	20.0	6 20	18 24.25	-40 25.2	2.212	3.193	5.7	18.8
6 30	18 14.27	-27 20.3	1.922	2.934	2.3	20.0	6 30	18 13.64	-41 22.9	2.206	3.185	5.9	18.8
7 10	18 5.49	-27 58.8	1.950	2.937	5.9	20.3	7 10	18 3.20	-42 3.5	2.227	3.177	7.8	18.9
7 20	17 57.99	-28 30.1	2.005	2.939	9.4	20.5	7 20	17 54.00	-42 26.9	2.274	3.168	10.3	19.0
7 30	17 52.52	-28 54.9	2.083	2.942	12.5	20.7	7 30	17 46.97	-42 35.7	2.343	3.160	12.7	19.2
<b>153235</b>	2000 <i>YL</i> <sub>133</sub>		6 25.6 148°58	7°0/26.8	18								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>174720</b>	2003 UD <sub>151</sub>		6 25.6 204°90	1.6/25.5	17		<b>39218</b>	2000 YY <sub>3</sub>		6 25.6	2°13	1.6/25.3	18 R
5 21	18 49.52	-26 41.2	1.910	2.755	14.0	21.7	5 21	18 44.33	-23 8.5	1.186	2.067	18.4	17.4
5 31	18 43.51	-27 1.7	1.826	2.750	10.7	21.5	5 31	18 40.73	-24 3.1	1.122	2.065	14.0	17.1
6 10	18 34.98	-27 21.2	1.764	2.745	6.9	21.2	6 10	18 33.78	-25 4.3	1.076	2.065	8.9	16.8
6 20	18 24.60	-27 36.7	1.728	2.739	2.9	21.0	6 20	18 24.31	-26 6.7	1.053	2.065	3.5	16.5
6 30	18 13.43	-27 45.7	1.720	2.732	2.6	20.9	6 30	18 13.72	-27 4.3	1.053	2.066	3.2	16.5
7 10	18 2.70	-27 47.2	1.739	2.725	6.6	21.2	7 10	18 3.77	-27 52.6	1.076	2.068	8.6	16.8
7 20	17 53.51	-27 42.2	1.784	2.716	10.5	21.4	7 20	17 56.00	-28 30.0	1.121	2.070	13.7	17.1
7 30	17 46.74	-27 32.8	1.851	2.708	14.0	21.6	7 30	17 51.54	-28 57.5	1.185	2.073	18.0	17.4
<b>211971</b>	2005 AT <sub>17</sub>		6 25.6 139°49	0°4/25.7	17		<b>279790</b>	1999 VL <sub>79</sub>		6 25.6 300°84	7°7/24.8	18	
5 21	18 48.43	-21 13.7	1.610	2.464	15.7	20.9	5 21	18 42.83	- 8 21.8	1.710	2.546	15.7	19.8
5 31	18 42.83	-21 30.7	1.542	2.471	11.9	20.6	5 31	18 38.67	- 7 7.3	1.610	2.516	13.0	19.5
6 10	18 34.57	-21 51.7	1.495	2.478	7.6	20.4	6 10	18 32.10	- 6 0.2	1.530	2.485	10.1	19.3
6 20	18 24.44	-22 14.2	1.472	2.484	2.8	20.1	6 20	18 23.64	- 5 5.1	1.474	2.455	8.0	19.1
6 30	18 13.60	-22 36.0	1.476	2.490	2.2	20.1	6 30	18 14.20	- 4 26.1	1.442	2.424	8.0	19.0
7 10	18 3.36	-22 55.5	1.506	2.496	6.9	20.4	7 10	18 4.91	- 4 6.0	1.435	2.394	10.5	19.0
7 20	17 54.88	-23 12.2	1.561	2.501	11.2	20.7	7 20	17 56.87	- 4 5.2	1.450	2.363	13.8	19.2
7 30	17 49.01	-23 26.9	1.638	2.506	14.9	20.9	7 30	17 51.04	- 4 22.3	1.486	2.333	17.3	19.3
<b>6659</b>	Pietsch		6 25.6 222°84	0°9/25.6	18		<b>251840</b>	1999 TS <sub>255</sub>		6 25.6 204°16	1°5/25.7	17	
5 21	18 47.63	-21 58.6	1.740	2.591	14.8	17.3	5 21	18 47.64	-19 25.9	1.904	2.748	14.1	22.6
5 31	18 42.14	-21 42.6	1.657	2.585	11.3	17.1	5 31	18 41.94	-19 21.1	1.820	2.743	10.8	22.4
6 10	18 34.13	-21 27.5	1.597	2.579	7.3	16.8	6 10	18 33.92	-19 19.8	1.759	2.739	7.0	22.1
6 20	18 24.29	-21 12.4	1.561	2.572	2.8	16.5	6 20	18 24.22	-19 21.3	1.723	2.733	2.9	21.9
6 30	18 13.70	-20 56.9	1.551	2.565	2.3	16.5	6 30	18 13.81	-19 24.8	1.714	2.727	2.4	21.8
7 10	18 3.60	-20 41.6	1.569	2.557	6.8	16.7	7 10	18 3.82	-19 29.7	1.733	2.720	6.4	22.1
7 20	17 55.08	-20 27.5	1.611	2.549	11.1	17.0	7 20	17 55.24	-19 36.0	1.778	2.713	10.4	22.3
7 30	17 49.01	-20 16.0	1.676	2.541	14.8	17.2	7 30	17 48.89	-19 43.9	1.845	2.705	13.9	22.5
<b>136176</b>	2003 UU <sub>141</sub>		6 25.6 271°45	2°9/25.9	18		<b>45575</b>	2000 CC <sub>75</sub>		6 25.6 258°60	12°8/25.9	18	
5 21	18 43.24	-15 16.6	1.886	2.732	14.1	20.1	5 21	18 44.76	+ 9 48.4	2.011	2.752	16.9	19.3
5 31	18 38.59	-15 14.1	1.805	2.727	10.9	19.8	5 31	18 39.76	+10 57.7	1.920	2.729	15.3	19.1
6 10	18 31.78	-15 19.1	1.746	2.722	7.3	19.6	6 10	18 32.59	+11 46.5	1.846	2.706	13.9	19.0
6 20	18 23.42	-15 31.4	1.712	2.718	3.9	19.4	6 20	18 23.78	+12 8.9	1.794	2.681	13.0	18.9
6 30	18 14.40	-15 50.4	1.704	2.713	3.4	19.4	6 30	18 14.12	+12 0.5	1.763	2.656	12.9	18.8
7 10	18 5.75	-16 14.9	1.723	2.708	6.7	19.5	7 10	18 4.60	+11 20.2	1.754	2.630	13.8	18.8
7 20	17 58.40	-16 43.5	1.767	2.703	10.4	19.8	7 20	17 56.19	+10 10.7	1.767	2.604	15.4	18.9
7 30	17 53.12	-17 15.0	1.834	2.699	13.7	20.0	7 30	17 49.70	+ 8 36.9	1.799	2.576	17.4	18.9
<b>141034</b>	2001 WJ <sub>66</sub>		6 25.6 38°46	2°1/25.8	18		<b>270226</b>	2001 TD <sub>189</sub>		6 25.6 195°01	1°2/25.7	18	
5 21	18 42.39	-17 38.9	1.986	2.835	13.4	20.0	5 21	18 46.67	-20 24.7	2.156	2.995	12.8	21.1
5 31	18 37.77	-17 30.0	1.913	2.838	10.2	19.8	5 31	18 40.91	-20 11.2	2.072	2.993	9.8	20.9
6 10	18 31.15	-17 25.7	1.862	2.842	6.7	19.6	6 10	18 33.12	-19 59.4	2.011	2.991	6.3	20.7
6 20	18 23.15	-17 26.0	1.837	2.845	3.2	19.4	6 20	18 23.91	-19 48.9	1.977	2.987	2.6	20.4
6 30	18 14.65	-17 30.5	1.838	2.849	2.7	19.4	6 30	18 14.12	-19 39.4	1.971	2.983	2.1	20.4
7 10	18 6.58	-17 38.7	1.866	2.853	6.1	19.6	7 10	18 4.75	-19 31.0	1.992	2.979	5.8	20.6
7 20	17 59.80	-17 50.0	1.920	2.857	9.6	19.8	7 20	17 56.64	-19 24.3	2.041	2.973	9.4	20.8
7 30	17 54.98	-18 4.1	1.996	2.861	12.8	20.0	7 30	17 50.51	-19 19.9	2.113	2.968	12.6	21.0
<b>306792</b>	2001 KQ <sub>77</sub>		6 25.6 333°44	0°2/25.8	09 C		<b>270086</b>	2001 QN <sub>113</sub>		6 25.6 278°08	3°6/25.4	17	
5 21	18 21.66	-16 14.5	33.495	34.322	1.0	22.7	5 21	18 48.58	-31 34.5	1.751	2.601	14.8	20.6
5 31	18 20.84	-16 13.1	33.407	34.320	0.7	22.6	5 31	18 43.36	-31 55.3	1.654	2.578	11.6	20.4
6 10	18 19.92	-16 12.0	33.345	34.317	0.5	22.6	6 10	18 35.23	-32 11.3	1.578	2.555	7.9	20.1
6 20	18 18.95	-16 11.3	33.310	34.314	0.3	22.6	6 20	18 24.84	-32 18.2	1.526	2.531	4.4	19.8
6 30	18 17.95	-16 10.9	33.305	34.311	0.2	22.6	6 30	18 13.32	-32 12.6	1.501	2.507	4.2	19.8
7 10	18 16.97	-16 10.9	33.328	34.309	0.5	22.6	7 10	18 2.13	-31 53.6	1.501	2.483	7.8	19.9
7 20	18 16.04	-16 11.2	33.379	34.306	0.7	22.6	7 20	17 52.61	-31 23.4	1.526	2.459	11.9	20.1
7 30	18 15.20	-16 11.8	33.457	34.303	0.9	22.6	7 30	17 45.83	-30 45.9	1.573	2.434	15.8	20.3
<b>496891</b>	2000 WK <sub>159</sub>		6 25.6 247°06	2°0/25.9	17		<b>447285</b>	2005 VR <sub>67</sub>		6 25.6 359°70	7°6/24.5	16	
5 21	18 55.41	-31 23.7	1.864	2.698	14.7	21.0	5 21	18 40.27	-10 50.1	1.530	2.384	16.3	19.4
5 31	18 48.14	-30 50.6	1.762	2.679	11.4	20.8	5 31	18 36.59	- 9 4.9	1.463	2.381	13.2	19.2
6 10	18 37.99	-30 7.5	1.683	2.660	7.6	20.5	6 10	18 30.59	- 7 26.7	1.416	2.379	10.1	19.0
6 20	18 25.74	-29 11.9	1.630	2.639	3.4	20.2	6 20	18 23.01	- 6 1.1	1.393	2.378	7.9	18.9
6 30	18 12.61	-28 3.4	1.606	2.618	2.8	20.1	6 30	18 14.85	- 4 53.2	1.394	2.379	8.0	18.9
7 10	18 0.04	-26 44.8	1.610	2.595	7.0	20.3	7 10	18 7.24	- 4 6.2	1.419	2.380	10.4	19.0
7 20	17 49.30	-25 21.2	1.641	2.572	11.4	20.5	7 20	18 1.17	- 3 40.8	1.466	2.383	13.5	19.2
7 30	17 41.32	-23 58.6	1.696	2.549	15.2	20.7	7 30	17 57.36	- 3 34.9	1.533	2.387	16.5	19.4
<b>156327</b>	2001 XW <sub>101</sub>		6 25.6 195°52	1°2/25.4	18		<b>130476</b>	2000 QZ <sub>93</sub>		6 25.6 256°19	1°2/25.7	18	
5 21	18 47.63	-24 9.1	2.134	2.975	12.8	20.4	5 21	18 47.74	-20 51.0	1.605	2.460	15.7	20.5
5 31	18 41.86	-24 54.2	2.050	2.973	9.8	20.2	5 31	18 42.61	-20 41.9	1.515	2.444	12.1	20.3
6 10	18 33.85	-25 41.7	1.990	2.971	6.2	19.9	6 10	18 34.68	-20 35.5	1.445	2.428	7.8	20.0
6 20	18 24.20	-26 28.3	1.957	2.967	2.5	19.7	6 20	18 24.61	-20 30.7	1.400	2.411	3.1	19.7
6 30	18 13.80	-27 10.8	1.951	2.964	2.2	19.7	6 30	18 13.52	-20 26.8	1.381	2.394	2.5	19.6
7 10	18 3.71	-27 46.9	1.974	2.959	6.0	19.9	7 10	18 2.79	-20 23.6	1.387	2.377	7.4	19.8
7 20	17 54.92	-28 15.9	2.024	2.955	9.6	20.1	7 20	17 53.68	-20 21.4	1.418	2.359	12.1	20.1
7 30	17 48.22	-28 38.4	2.098	2.949	12.8	20.3	7 30	17 47.21	-20 21.4	1.471	2.340	16.2	20.3
<b>508538</b>	2016 SP <sub>12</sub>		6 25.6 207°39	7°4/23.5	18		<b>334327</b>	2001 XA <sub>8</sub>		6 25.6 221°22	8°0		

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>137545</b>	1999 <i>VP</i> <sub>75</sub>		6 25.6	21° 79'	3° 7'/25.7	17	<b>522755</b>	2016 <i>NC</i> <sub>44</sub>		6 25.6	287° 15'	6° 5'/26.8	18
5 21	18 44.31	-17 6.2	1.304	2.172	17.7	19.9	5 21	18 42.43	-5 39.1	1.853	2.676	15.2	21.1
5 31	18 40.09	-16 29.6	1.241	2.176	13.7	19.6	5 31	18 38.01	-5 26.2	1.771	2.669	12.4	20.9
6 10	18 33.01	-15 59.2	1.197	2.179	9.2	19.4	6 10	18 31.46	-5 28.3	1.710	2.661	9.5	20.7
6 20	18 23.94	-15 36.2	1.176	2.183	4.8	19.2	6 20	18 23.37	-5 47.2	1.672	2.653	7.1	20.6
6 30	18 14.14	-15 21.7	1.179	2.188	4.4	19.1	6 30	18 14.59	-6 23.1	1.659	2.646	6.7	20.5
7 10	18 5.08	-15 16.2	1.206	2.193	8.5	19.4	7 10	18 6.12	-7 14.6	1.672	2.638	8.6	20.6
7 20	17 57.95	-15 19.3	1.255	2.199	13.0	19.7	7 20	17 58.90	-8 18.3	1.709	2.631	11.6	20.8
7 30	17 53.63	-15 30.0	1.324	2.205	16.9	19.9	7 30	17 53.68	-9 30.4	1.769	2.623	14.6	21.0
<b>507865</b>	2014 <i>HU</i> <sub>184</sub>		6 25.6	228° 66'	3° 0'/26.6	18	<b>262590</b>	2006 <i>VH</i> <sub>98</sub>		6 25.6	118° 27'	5° 4'/25.4	18
5 21	18 43.93	-10 48.0	2.468	3.287	12.0	20.9	5 21	18 43.50	-6 52.8	2.735	3.537	11.4	20.9
5 31	18 38.68	-11 20.3	2.376	3.281	9.4	20.7	5 31	18 37.90	-5 50.2	2.670	3.553	9.3	20.8
6 10	18 31.68	-12 3.1	2.308	3.274	6.6	20.5	6 10	18 30.91	-4 55.5	2.629	3.569	7.2	20.7
6 20	18 23.40	-12 55.6	2.267	3.266	3.9	20.3	6 20	18 23.04	-4 10.9	2.615	3.585	5.7	20.6
6 30	18 14.52	-13 56.2	2.254	3.259	3.3	20.3	6 30	18 14.91	-3 38.1	2.629	3.601	5.6	20.6
7 10	18 5.85	-15 2.2	2.271	3.251	5.7	20.4	7 10	18 7.18	-3 17.8	2.671	3.616	7.0	20.7
7 20	17 58.11	-16 11.0	2.315	3.243	8.7	20.6	7 20	18 0.41	-3 9.5	2.740	3.630	8.9	20.9
7 30	17 51.98	-17 20.2	2.385	3.234	11.5	20.7	7 30	17 55.06	-3 12.1	2.832	3.644	10.9	21.0
<b>255292</b>	2005 <i>VH</i> <sub>107</sub>		6 25.6	33° 22'	1° 0'/25.6	17	<b>519863</b>	2013 <i>NG</i> <sub>29</sub>		6 25.6	335° 63'	8° 2'/24.9	17
5 21	18 43.13	-26 8.5	2.063	2.915	12.8	20.7	5 21	18 49.59	-39 57.5	1.535	2.380	16.8	20.4
5 31	18 38.35	-26 12.0	1.991	2.920	9.7	20.6	5 31	18 44.67	-41 3.4	1.466	2.376	13.7	20.2
6 10	18 31.54	-26 14.2	1.943	2.925	6.2	20.4	6 10	18 36.28	-41 58.4	1.416	2.372	10.7	20.0
6 20	18 23.33	-26 13.3	1.919	2.931	2.4	20.1	6 20	18 25.26	-42 34.7	1.389	2.369	8.5	19.9
6 30	18 14.64	-26 8.2	1.923	2.936	2.0	20.1	6 30	18 13.14	-42 46.2	1.386	2.366	8.5	19.9
7 10	18 6.44	-25 59.1	1.954	2.942	5.7	20.4	7 10	18 1.74	-42 31.8	1.406	2.363	10.8	20.0
7 20	17 59.59	-25 46.8	2.011	2.949	9.2	20.6	7 20	17 52.64	-41 55.1	1.448	2.361	13.9	20.2
7 30	17 54.77	-25 32.7	2.090	2.955	12.3	20.8	7 30	17 46.96	-41 2.8	1.510	2.358	17.0	20.4
<b>225901</b>	2002 <i>AR</i> <sub>16</sub>		6 25.6	262° 96'	3° 3'/25.4	18	<b>469967</b>	2006 <i>DJ</i> <sub>93</sub>		6 25.6	157° 36'	5° 3'/26.1	17
5 21	18 48.74	-31 7.9	1.976	2.819	13.6	20.3	5 21	18 43.45	-9 32.4	1.958	2.788	14.2	21.5
5 31	18 43.17	-31 34.2	1.877	2.798	10.6	20.1	5 31	18 38.57	-9 5.2	1.884	2.790	11.4	21.3
6 10	18 34.96	-31 56.9	1.800	2.776	7.2	19.8	6 10	18 31.69	-8 48.2	1.831	2.792	8.3	21.1
6 20	18 24.72	-32 12.0	1.749	2.753	4.0	19.6	6 20	18 23.42	-8 43.0	1.803	2.794	5.8	21.0
6 30	18 13.48	-32 16.2	1.724	2.730	3.9	19.5	6 30	18 14.62	-8 50.3	1.802	2.795	5.5	21.0
7 10	18 2.51	-32 8.5	1.726	2.706	7.2	19.7	7 10	18 6.23	-9 9.4	1.826	2.797	7.7	21.1
7 20	17 53.01	-31 50.0	1.754	2.682	10.9	19.8	7 20	17 59.10	-9 38.8	1.876	2.798	10.7	21.3
7 30	17 45.95	-31 24.1	1.804	2.658	14.4	20.0	7 30	17 53.91	-10 16.2	1.948	2.800	13.6	21.5
<b>292165</b>	2006 <i>SC</i> <sub>6</sub>		6 25.6	49° 53'	38° 7'/30.0	18	<b>479233</b>	2013 <i>CM</i> <sub>205</sub>		6 25.6	163° 04'	2° 0'/26.0	18
5 21	2 47.60	+69 54.4	0.517	0.793	99.1	19.6	5 21	18 42.06	-15 55.9	2.282	3.121	12.2	21.4
5 31	0 28.23	+78 28.9	0.508	0.904	87.1	19.4	5 31	18 37.36	-16 8.6	2.202	3.122	9.4	21.2
6 10	20 39.36	+77 34.0	0.507	1.011	76.0	19.2	6 10	18 30.87	-16 27.7	2.146	3.122	6.2	21.0
6 20	18 47.69	+69 15.9	0.511	1.112	65.9	19.1	6 20	18 23.12	-16 52.4	2.115	3.122	3.0	20.8
6 30	18 3.39	+58 40.5	0.525	1.206	56.6	19.1	6 30	18 14.86	-17 21.5	2.112	3.122	2.5	20.8
7 10	17 43.14	+47 17.0	0.553	1.294	48.6	19.1	7 10	18 6.91	-17 53.7	2.137	3.123	5.5	21.0
7 20	17 34.32	+36 0.0	0.601	1.374	42.5	19.2	7 20	18 0.04	-18 27.6	2.188	3.123	8.7	21.2
7 30	17 32.43	+25 37.1	0.670	1.448	38.7	19.5	7 30	17 54.88	-19 2.1	2.263	3.123	11.7	21.4
<b>436330</b>	2010 <i>GQ</i> <sub>102</sub>		6 25.6	51° 57'	4° 9'/25.8	17	<b>136307</b>	2004 <i>BX</i> <sub>43</sub>		6 25.6	200° 84'	0° 9'/25.7	18
5 21	18 42.88	-12 7.8	1.791	2.634	14.8	21.3	5 21	18 47.74	-20 14.6	2.015	2.856	13.5	21.0
5 31	18 38.22	-11 29.1	1.725	2.642	11.7	21.1	5 31	18 41.96	-20 21.5	1.930	2.852	10.3	20.8
6 10	18 31.48	-10 58.9	1.681	2.649	8.3	20.9	6 10	18 33.93	-20 31.6	1.868	2.848	6.6	20.5
6 20	18 23.32	-10 39.0	1.661	2.658	5.5	20.8	6 20	18 24.29	-20 43.9	1.831	2.842	2.6	20.3
6 30	18 14.67	-10 30.6	1.667	2.666	5.2	20.8	6 30	18 13.95	-20 56.8	1.823	2.837	2.0	20.2
7 10	18 6.56	-10 33.5	1.699	2.674	7.7	20.9	7 10	18 3.98	-21 9.4	1.843	2.830	6.1	20.5
7 20	17 59.84	-10 46.7	1.755	2.683	10.9	21.1	7 20	17 55.36	-21 21.5	1.888	2.823	9.9	20.7
7 30	17 55.20	-11 8.5	1.832	2.691	14.0	21.4	7 30	17 48.86	-21 33.4	1.958	2.815	13.3	20.9
<b>440297</b>	2004 <i>RN</i> <sub>247</sub>		6 25.6	278° 84'	2° 5'/25.4	18	<b>253300</b>	2003 <i>BM</i> <sub>74</sub>		6 25.6	94° 14'	2° 5'/25.1	17
5 21	18 43.57	-18 12.4	2.391	3.228	11.7	20.8	5 21	18 48.58	-26 12.8	1.679	2.533	15.2	19.5
5 31	18 38.46	-17 24.9	2.291	3.210	9.1	20.5	5 31	18 43.05	-27 15.4	1.615	2.543	11.5	19.3
6 10	18 31.55	-16 38.2	2.216	3.191	6.1	20.3	6 10	18 34.82	-28 19.5	1.573	2.554	7.5	19.1
6 20	18 23.36	-15 53.2	2.167	3.173	3.2	20.1	6 20	18 24.64	-29 19.8	1.555	2.564	3.5	18.8
6 30	18 14.61	-15 11.5	2.147	3.154	3.1	20.1	6 30	18 13.69	-30 11.3	1.565	2.575	3.4	18.9
7 10	18 6.15	-14 34.4	2.155	3.135	5.9	20.2	7 10	18 3.30	-30 51.3	1.601	2.585	7.2	19.1
7 20	17 58.73	-14 3.4	2.189	3.116	9.2	20.4	7 20	17 54.68	-31 19.5	1.662	2.595	11.2	19.4
7 30	17 53.00	-13 39.1	2.248	3.097	12.1	20.5	7 30	17 48.69	-31 37.7	1.745	2.605	14.6	19.6
<b>19078</b>	5187 <i>T</i> <sub>-3</sub>		6 25.6	109° 55'	3° 9'/24.7	18	<b>126258</b>	2002 <i>AS</i> <sub>73</sub>		6 25.6	171° 26'	0° 2'/25.6	17
5 21	18 46.46	-32 54.5	2.459	3.293	11.6	18.1	5 21	18 45.91	-23 10.1	1.782	2.635	14.4	20.4
5 31	18 40.80	-33 56.2	2.390	3.303	9.0	17.9	5 31	18 40.81	-23 22.1	1.707	2.636	11.0	20.2
6 10	18 33.09	-34 54.3	2.346	3.313	6.3	17.7	6 10	18 33.30	-23 35.8	1.653	2.637	7.0	19.9
6 20	18 23.93	-35 44.5	2.328	3.323	4.2	17.6	6 20	18 24.07	-23 49.0	1.625	2.637	2.6	19.6
6 30	18 14.17	-36 23.6	2.338	3.333	4.3	17.6	6 30	18 14.15	-24 0.1	1.623	2.637	2.0	19.6
7 10	18 4.79	-36 49.9	2.376	3.343	6.4	17.8	7 10	18 4.72	-24 8.1	1.648	2.638	6.4	19.9
7 20	17 56.66	-37 4.1	2.440	3.352	9.0	18.0	7 20	17 56.84	-24 13.1	1.698	2.638	10.5	20.1
7 30	17 50.50	-37 8.0	2.528	3.361	11.4	18.1	7 30	17 51.31	-24 16.2	1.770	2.638	14.0	20.3
<b>191697</b>	2004 <i>RR</i> <sub>162</sub>		6 25.6	233° 35'	8° 7'/26.0	1							



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>145593</b>	Xántus		6 25.6 349°27	3°8/25.6 16			<b>428229</b>	2006 WU <sub>124</sub>		6 25.7 224°86	3°0/25.9 17		
5 21	18 42.57	-15 26.0	1.843	2.691	14.2	20.5	5 21	18 46.02	-15 46.6	1.813	2.657	14.6	22.2
5 31	18 38.07	-14 44.1	1.767	2.689	11.1	20.3	5 31	18 40.85	-15 36.6	1.729	2.650	11.4	22.0
6 10	18 31.45	-14 7.2	1.713	2.687	7.6	20.1	6 10	18 33.34	-15 33.2	1.667	2.643	7.6	21.8
6 20	18 23.37	-13 36.9	1.683	2.686	4.5	19.9	6 20	18 24.13	-15 36.6	1.629	2.635	4.0	21.5
6 30	18 14.72	-13 14.5	1.680	2.684	4.2	19.8	6 30	18 14.15	-15 46.5	1.618	2.627	3.5	21.5
7 10	18 6.54	-13 0.7	1.703	2.683	7.2	20.0	7 10	18 4.56	-16 2.1	1.634	2.619	7.0	21.7
7 20	17 59.71	-12 55.8	1.750	2.683	10.7	20.2	7 20	17 56.36	-16 22.4	1.675	2.610	10.9	21.9
7 30	17 54.94	-12 58.9	1.820	2.682	13.9	20.4	7 30	17 50.39	-16 46.6	1.738	2.601	14.5	22.1
<b>91209</b>	1998 XH <sub>72</sub>		6 25.6 209°56	5°5/25.3 17			<b>440524</b>	2005 UA <sub>89</sub>		6 25.7 316°36	3°3/25.4 18		
5 21	18 53.07	-35 4.5	1.618	2.462	16.1	20.0	5 21	18 44.21	-31 48.7	2.022	2.871	13.1	21.3
5 31	18 46.95	-35 47.0	1.541	2.458	12.8	19.7	5 31	18 39.53	-32 9.5	1.937	2.861	10.2	21.1
6 10	18 37.57	-36 22.1	1.484	2.453	9.1	19.5	6 10	18 32.51	-32 25.7	1.875	2.851	6.9	20.9
6 20	18 25.74	-36 43.4	1.452	2.448	6.1	19.3	6 20	18 23.82	-32 34.1	1.837	2.841	4.0	20.7
6 30	18 12.87	-36 46.3	1.445	2.442	6.0	19.3	6 30	18 14.40	-32 32.1	1.826	2.832	3.8	20.6
7 10	18 0.64	-36 29.7	1.463	2.436	9.0	19.5	7 10	18 5.40	-32 19.6	1.841	2.823	6.7	20.8
7 20	17 50.54	-35 56.9	1.505	2.429	12.7	19.7	7 20	17 57.84	-31 57.9	1.882	2.814	10.1	21.0
7 30	17 43.62	-35 13.6	1.569	2.422	16.2	19.9	7 30	17 52.51	-31 29.8	1.945	2.805	13.3	21.2
<b>437588</b>	2014 AU <sub>47</sub>		6 25.6 207°67	2°0/25.6 17			<b>321859</b>	2010 RR <sub>143</sub>		6 25.7 206°62	0°8/25.6 18		
5 21	18 46.74	-28 57.0	2.003	2.850	13.3	21.3	5 21	18 43.02	-25 58.0	2.853	3.690	10.1	22.3
5 31	18 41.28	-29 5.3	1.924	2.848	10.2	21.0	5 31	18 37.82	-26 3.4	2.765	3.685	7.6	22.1
6 10	18 33.52	-29 10.1	1.867	2.846	6.7	20.8	6 10	18 31.05	-26 7.7	2.701	3.681	4.9	21.9
6 20	18 24.14	-29 9.0	1.835	2.844	3.1	20.6	6 20	18 23.20	-26 9.6	2.665	3.676	1.9	21.7
6 30	18 14.13	-29 0.2	1.830	2.841	2.7	20.6	6 30	18 14.90	-26 8.2	2.657	3.670	1.6	21.7
7 10	18 4.62	-28 43.9	1.853	2.839	6.3	20.8	7 10	18 6.90	-26 3.3	2.679	3.664	4.5	21.9
7 20	17 56.59	-28 21.6	1.902	2.836	9.9	21.0	7 20	17 59.85	-25 55.5	2.727	3.658	7.4	22.0
7 30	17 50.81	-27 56.0	1.973	2.833	13.1	21.2	7 30	17 54.30	-25 45.6	2.801	3.652	9.9	22.2
<b>352548</b>	2008 CD <sub>201</sub>		6 25.6 1°96	6°5/26.9 16			<b>108064</b>	2001 FY <sub>161</sub>		6 25.7 159°67	0°2/25.7 18		
5 21	18 39.24	-6 36.5	1.658	2.497	16.0	20.4	5 21	18 45.63	-20 22.7	2.152	2.994	12.7	19.3
5 31	18 35.75	-6 24.1	1.587	2.496	13.0	20.2	5 31	18 40.24	-20 59.5	2.074	2.997	9.7	19.1
6 10	18 30.10	-6 27.6	1.537	2.495	9.8	20.0	6 10	18 32.79	-21 41.0	2.020	3.001	6.1	18.9
6 20	18 22.90	-6 48.5	1.509	2.496	7.2	19.8	6 20	18 23.89	-22 24.7	1.992	3.004	2.3	18.6
6 30	18 15.09	-7 26.9	1.506	2.497	6.7	19.8	6 30	18 14.36	-23 7.9	1.992	3.006	1.7	18.6
7 10	18 7.69	-8 20.6	1.527	2.500	8.7	19.9	7 10	18 5.19	-23 48.7	2.021	3.009	5.6	18.9
7 20	18 1.65	-9 26.0	1.572	2.503	11.8	20.1	7 20	17 57.25	-24 25.6	2.076	3.011	9.1	19.1
7 30	17 57.72	-10 38.8	1.638	2.507	14.9	20.3	7 30	17 51.26	-24 58.5	2.155	3.013	12.3	19.3
<b>396956</b>	2005 NT <sub>9</sub>		6 25.6 349°98	2°2/25.7 17			<b>509902</b>	2009 DW <sub>2</sub>		6 25.7 264°28	0°8/25.5 18		
5 21	18 45.72	-30 28.4	1.976	2.825	13.4	20.8	5 21	18 45.76	-23 33.5	2.015	2.863	13.2	21.8
5 31	18 40.50	-30 19.9	1.899	2.823	10.3	20.6	5 31	18 40.72	-24 4.2	1.919	2.845	10.1	21.5
6 10	18 33.00	-30 5.7	1.843	2.822	6.8	20.4	6 10	18 33.34	-24 37.8	1.846	2.828	6.5	21.3
6 20	18 23.93	-29 43.9	1.813	2.821	3.2	20.2	6 20	18 24.17	-25 11.6	1.798	2.809	2.5	21.0
6 30	18 14.32	-29 13.7	1.809	2.820	2.8	20.1	6 30	18 14.10	-25 42.8	1.778	2.791	2.1	20.9
7 10	18 5.28	-28 36.2	1.833	2.819	6.2	20.3	7 10	18 4.24	-26 9.6	1.785	2.772	6.2	21.2
7 20	17 57.76	-27 53.8	1.882	2.819	9.8	20.6	7 20	17 55.64	-26 31.1	1.818	2.753	10.2	21.4
7 30	17 52.49	-27 9.8	1.955	2.818	13.1	20.8	7 30	17 49.17	-26 47.9	1.874	2.734	13.7	21.5
<b>342568</b>	2008 UK <sub>255</sub>		6 25.6 285°88	1°5/25.5 18			<b>501727</b>	2014 UF <sub>55</sub>		6 25.7 167°51	1°7/25.8 17		
5 21	18 45.68	-25 49.8	1.811	2.665	14.2	20.7	5 21	18 47.92	-18 17.6	1.698	2.546	15.3	22.2
5 31	18 40.98	-26 12.2	1.712	2.642	10.9	20.5	5 31	18 42.37	-18 24.4	1.624	2.549	11.7	22.0
6 10	18 33.66	-26 35.2	1.636	2.619	7.1	20.2	6 10	18 34.32	-18 37.2	1.572	2.552	7.6	21.8
6 20	18 24.31	-26 56.1	1.585	2.596	2.9	19.9	6 20	18 24.48	-18 54.6	1.544	2.554	3.3	21.5
6 30	18 13.93	-27 11.8	1.560	2.572	2.6	19.8	6 30	18 13.92	-19 15.1	1.544	2.556	2.6	21.5
7 10	18 3.76	-27 21.0	1.561	2.549	6.9	20.0	7 10	18 3.88	-19 37.3	1.569	2.558	6.8	21.7
7 20	17 55.01	-27 23.7	1.587	2.525	11.2	20.2	7 20	17 55.44	-20 0.1	1.620	2.559	11.0	22.0
7 30	17 48.68	-27 21.6	1.635	2.501	15.0	20.4	7 30	17 49.43	-20 23.2	1.694	2.559	14.6	22.2
<b>65395</b>	2002 RY <sub>63</sub>		6 25.6 333°61	6°2/26.4 18 R			<b>68070</b>	2000 YR <sub>73</sub>		6 25.7 95°42	1°6/25.3 18		
5 21	18 39.45	-9 24.1	1.507	2.361	16.6	18.7	5 21	18 44.48	-25 19.9	2.308	3.151	11.9	18.9
5 31	18 36.29	-9 1.6	1.426	2.345	13.4	18.5	5 31	18 39.33	-26 11.7	2.232	3.156	9.0	18.7
6 10	18 30.66	-8 52.7	1.363	2.331	9.9	18.3	6 10	18 32.21	-27 4.8	2.181	3.161	5.8	18.6
6 20	18 23.18	-8 59.9	1.323	2.317	6.9	18.0	6 20	18 23.67	-27 56.1	2.156	3.165	2.5	18.3
6 30	18 14.84	-9 24.0	1.306	2.304	6.4	18.0	6 30	18 14.54	-28 42.5	2.159	3.170	2.4	18.3
7 10	18 6.82	-10 3.8	1.313	2.292	9.1	18.1	7 10	18 5.74	-29 21.8	2.191	3.174	5.6	18.6
7 20	18 0.26	-10 56.6	1.343	2.281	12.8	18.3	7 20	17 58.10	-29 53.4	2.249	3.179	8.8	18.8
7 30	17 56.05	-11 58.3	1.394	2.271	16.5	18.5	7 30	17 52.34	-30 17.9	2.331	3.183	11.6	19.0
<b>114406</b>	2002 YG <sub>20</sub>		6 25.6 252°02	0°6/25.7 18			<b>95232</b>	2002 CX <sub>31</sub>		6 25.7 22°02	4°5/25.4 18		
5 21	18 46.87	-21 11.8	1.861	2.709	14.1	20.6	5 21	18 44.41	-33 47.1	1.760	2.614	14.5	18.7
5 31	18 41.65	-21 18.6	1.767	2.693	10.9	20.4	5 31	18 39.88	-34 22.2	1.698	2.622	11.3	18.5
6 10	18 33.95	-21 28.6	1.694	2.676	7.0	20.1	6 10	18 32.78	-34 50.7	1.657	2.630	7.9	18.4
6 20	18 24.38	-21 40.2	1.647	2.659	2.7	19.8	6 20	18 23.91	-35 8.4	1.639	2.639	5.1	18.2
6 30	18 13.91	-21 52.0	1.627	2.641	2.1	19.7	6 30	18 14.41	-35 12.4	1.647	2.648	4.9	18.2
7 10	18 3.71	-22 2.8	1.634	2.623	6.6	20.0	7 10	18 5.58	-35 2.4	1.681	2.658	7.6	18.4
7 20	17 54.89	-22 12.4	1.667	2.604	10.8	20.2	7 20	17 58.49	-34 40.6	1.739	2.669	10.9	18.6
7 30	17 48.36	-22 21.5	1.722	2.585	14.5	20.4	7 30	17 53.92	-34 10.6	1.818	2.680	14.0	18.8
<b>429684</b>	2011 HY <sub>10</sub>		6 25.7 31°13	1°7/25.8 16			<b>20922</b>	6769 P-L		6 25.7 273°28	0°7/25.6 18		
5 21	18 43.56	-19											

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6 25.7

6 25.7

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>184507</b>	2005 <i>PS</i> <sub>15</sub>		6 25.7 280°46	4.6/25.3	18		<b>393967</b>	2005 <i>US</i> <sub>279</sub>		6 25.7 282°10	0.5/25.7	18	
5 21	18 46.50	-36 0.8	2.182	3.018	12.8	20.5	5 21	18 42.44	-21 37.0	2.246	3.093	12.1	21.4
5 31	18 41.24	-36 29.9	2.095	3.006	10.1	20.3	5 31	18 37.82	-21 38.9	2.157	3.082	9.2	21.2
6 10	18 33.60	-36 52.1	2.029	2.994	7.3	20.2	6 10	18 31.28	-21 42.7	2.090	3.072	5.9	21.0
6 20	18 24.24	-37 3.3	1.989	2.982	5.1	20.0	6 20	18 23.36	-21 47.4	2.050	3.061	2.2	20.7
6 30	18 14.13	-37 0.7	1.976	2.971	5.0	20.0	6 30	18 14.85	-21 52.1	2.037	3.051	1.7	20.7
7 10	18 4.44	-36 43.8	1.989	2.959	7.2	20.1	7 10	18 6.64	-21 56.4	2.052	3.040	5.4	20.9
7 20	17 56.19	-36 14.5	2.028	2.947	10.2	20.2	7 20	17 59.54	-22 0.3	2.093	3.030	8.9	21.1
7 30	17 50.21	-35 36.4	2.089	2.935	13.0	20.4	7 30	17 54.25	-22 4.0	2.157	3.020	12.0	21.3
<b>475055</b>	2005 <i>UV</i> <sub>103</sub>		6 25.7 221°57	1.5/25.8	18		<b>441962</b>	2010 <i>MJ</i> <sub>23</sub>		6 25.7 310°27	0.5/25.6	18	
5 21	18 42.02	-18 37.3	2.609	3.446	10.9	22.4	5 21	18 42.42	-24 6.4	1.954	2.809	13.3	21.6
5 31	18 37.16	-18 29.9	2.521	3.440	8.3	22.2	5 31	18 38.21	-24 14.7	1.860	2.791	10.1	21.3
6 10	18 30.68	-18 25.5	2.457	3.435	5.4	22.0	6 10	18 31.74	-24 23.9	1.789	2.772	6.5	21.1
6 20	18 23.09	-18 23.6	2.420	3.429	2.4	21.8	6 20	18 23.59	-24 32.2	1.742	2.754	2.4	20.8
6 30	18 15.04	-18 24.1	2.411	3.422	2.1	21.7	6 30	18 14.66	-24 38.1	1.722	2.736	1.9	20.7
7 10	18 7.26	-18 26.7	2.430	3.416	5.0	21.9	7 10	18 6.00	-24 40.9	1.729	2.719	6.1	20.9
7 20	18 0.45	-18 31.3	2.477	3.409	8.0	22.1	7 20	17 58.62	-24 40.7	1.760	2.701	10.1	21.1
7 30	17 55.15	-18 37.8	2.548	3.402	10.7	22.3	7 30	17 53.36	-24 38.7	1.815	2.684	13.6	21.3
<b>438815</b>	2008 <i>YX</i> <sub>148</sub>		6 25.7 169°89	0.5/25.6	18		<b>486273</b>	2013 <i>CG</i> <sub>32</sub>		6 25.7 312°70	5.8/26.9	18	
5 21	18 45.67	-23 14.1	2.406	3.244	11.7	21.7	5 21	18 40.88	-5 14.8	2.219	3.033	13.3	20.9
5 31	18 40.07	-23 41.5	2.326	3.248	8.8	21.5	5 31	18 36.51	-5 7.3	2.138	3.029	10.9	20.7
6 10	18 32.60	-24 10.5	2.270	3.251	5.6	21.3	6 10	18 30.38	-5 12.9	2.078	3.025	8.4	20.6
6 20	18 23.81	-24 38.9	2.242	3.253	2.1	21.1	6 20	18 23.02	-5 32.9	2.043	3.022	6.3	20.4
6 30	18 14.48	-25 5.0	2.241	3.255	1.7	21.0	6 30	18 15.13	-6 7.2	2.034	3.018	5.9	20.4
7 10	18 5.49	-25 27.3	2.270	3.257	5.2	21.3	7 10	18 7.54	-6 54.5	2.052	3.015	7.5	20.5
7 20	17 57.64	-25 45.5	2.326	3.258	8.4	21.5	7 20	18 0.97	-7 52.2	2.095	3.011	10.0	20.6
7 30	17 51.58	-26 0.1	2.406	3.258	11.3	21.7	7 30	17 56.06	-8 57.1	2.161	3.008	12.6	20.8
<b>111933</b>	2002 <i>GK</i> <sub>37</sub>		6 25.7 277°80	5.6/25.4	18		<b>504071</b>	2005 <i>YU</i> <sub>216</sub>		6 25.7 203°18	1.5/25.6	17	
5 21	18 48.46	-39 50.5	2.353	3.175	12.4	20.1	5 21	18 48.00	-27 23.6	2.254	3.092	12.3	22.6
5 31	18 42.73	-40 18.3	2.256	3.154	10.1	19.9	5 31	18 42.04	-27 34.3	2.167	3.088	9.4	22.4
6 10	18 34.56	-40 37.0	2.181	3.133	7.7	19.7	6 10	18 33.95	-27 43.1	2.104	3.082	6.1	22.1
6 20	18 24.61	-40 42.2	2.131	3.112	5.9	19.6	6 20	18 24.35	-27 47.5	2.067	3.077	2.6	21.9
6 30	18 13.85	-40 30.9	2.108	3.091	5.8	19.5	6 30	18 14.12	-27 45.9	2.058	3.070	2.3	21.9
7 10	18 3.47	-40 2.6	2.111	3.069	7.7	19.6	7 10	18 4.28	-27 38.2	2.078	3.063	5.7	22.1
7 20	17 54.53	-39 19.6	2.140	3.048	10.3	19.7	7 20	17 55.74	-27 25.2	2.125	3.055	9.2	22.3
7 30	17 47.89	-38 26.1	2.192	3.026	12.9	19.9	7 30	17 49.24	-27 8.9	2.195	3.047	12.3	22.5
<b>64804</b>	2001 <i>XA</i> <sub>212</sub>		6 25.7 121°79	2.7/25.9	18		<b>314035</b>	2004 <i>XS</i> <sub>142</sub>		6 25.7 304°47	4.1/25.3	17	
5 21	18 42.46	-15 25.5	2.323	3.159	12.1	20.0	5 21	18 46.43	-29 54.3	1.255	2.129	18.0	20.9
5 31	18 37.55	-15 10.7	2.249	3.166	9.3	19.8	5 31	18 42.71	-30 31.1	1.172	2.110	14.1	20.6
6 10	18 30.94	-15 1.2	2.198	3.172	6.3	19.6	6 10	18 35.39	-31 5.8	1.107	2.090	9.5	20.2
6 20	18 23.18	-14 57.2	2.174	3.178	3.4	19.4	6 20	18 25.15	-31 32.6	1.063	2.071	5.1	19.9
6 30	18 15.00	-14 58.6	2.177	3.183	3.1	19.4	6 30	18 13.41	-31 46.0	1.043	2.052	4.9	19.9
7 10	18 7.21	-15 5.2	2.207	3.189	5.7	19.6	7 10	18 2.08	-31 43.6	1.046	2.034	9.5	20.1
7 20	18 0.51	-15 16.3	2.264	3.195	8.7	19.8	7 20	17 52.93	-31 27.1	1.070	2.016	14.6	20.3
7 30	17 55.48	-15 31.4	2.345	3.200	11.5	20.0	7 30	17 47.33	-31 1.0	1.113	1.998	19.2	20.5
<b>211134</b>	2002 <i>GT</i> <sub>80</sub>		6 25.7 148°12	2.2/25.9	18		<b>359880</b>	2011 <i>WX</i> <sub>30</sub>		6 25.7 214°18	4.0/25.2	18	
5 21	18 49.31	-16 38.8	1.916	2.752	14.3	20.9	5 21	18 46.21	-35 20.5	2.574	3.403	11.3	21.7
5 31	18 43.04	-16 41.2	1.846	2.764	11.0	20.7	5 31	18 40.63	-35 52.5	2.490	3.398	8.9	21.5
6 10	18 34.55	-16 49.7	1.799	2.775	7.2	20.5	6 10	18 33.03	-36 18.8	2.429	3.393	6.4	21.4
6 20	18 24.53	-17 3.5	1.777	2.785	3.4	20.3	6 20	18 24.01	-36 36.0	2.395	3.388	4.3	21.2
6 30	18 13.96	-17 21.3	1.784	2.794	2.9	20.3	6 30	18 14.41	-36 41.7	2.388	3.383	4.3	21.2
7 10	18 3.93	-17 42.1	1.818	2.803	6.4	20.5	7 10	18 5.16	-36 35.5	2.409	3.377	6.3	21.3
7 20	17 55.38	-18 4.9	1.878	2.810	10.1	20.8	7 20	17 57.13	-36 18.6	2.457	3.371	8.8	21.5
7 30	17 49.03	-18 29.1	1.962	2.817	13.4	21.0	7 30	17 51.02	-35 53.6	2.528	3.365	11.3	21.6
<b>167924</b>	2005 <i>EN</i> <sub>131</sub>		6 25.7 314°06	1.3/25.7	18		<b>163342</b>	2002 <i>LB</i> <sub>44</sub>		6 25.7 280°07	3.0/25.5	18	
5 21	18 42.55	-20 31.0	1.625	2.487	15.1	20.2	5 21	18 44.67	-17 1.0	2.072	2.913	13.2	19.2
5 31	18 38.65	-20 22.3	1.535	2.469	11.6	19.9	5 31	18 39.72	-16 24.5	1.968	2.887	10.3	18.9
6 10	18 32.19	-20 16.6	1.467	2.451	7.5	19.6	6 10	18 32.63	-15 50.5	1.886	2.861	7.0	18.7
6 20	18 23.79	-20 13.6	1.422	2.433	3.1	19.3	6 20	18 23.93	-15 20.0	1.830	2.835	3.8	18.4
6 30	18 14.47	-20 12.5	1.402	2.416	2.5	19.2	6 30	18 14.43	-14 54.1	1.801	2.808	3.5	18.4
7 10	18 5.48	-20 13.1	1.408	2.399	7.1	19.5	7 10	18 5.14	-14 33.8	1.799	2.780	6.8	18.5
7 20	17 57.98	-20 15.4	1.437	2.382	11.6	19.7	7 20	17 56.99	-14 20.0	1.823	2.753	10.5	18.7
7 30	17 52.92	-20 19.8	1.488	2.366	15.6	19.9	7 30	17 50.79	-14 13.0	1.870	2.725	13.9	18.8
<b>34025</b>	Caolannbrady		6 25.7 280°23	1.0/25.5	18		<b>422665</b>	1999 <i>TT</i> <sub>39</sub>		6 25.7 303°30	6.7/23.9	17	
5 21	18 47.24	-23 33.4	1.424	2.289	16.8	18.5	5 21	18 48.18	-32 4.0	1.370	2.234	17.3	20.6
5 31	18 42.79	-24 5.1	1.335	2.271	12.9	18.2	5 31	18 44.42	-33 36.6	1.269	2.200	13.9	20.3
6 10	18 35.17	-24 41.2	1.267	2.252	8.3	17.9	6 10	18 36.85	-35 13.1	1.189	2.165	10.1	20.0
6 20	18 24.99	-25 18.3	1.221	2.233	3.2	17.5	6 20	18 25.89	-36 44.8	1.132	2.130	7.0	19.7
6 30	18 13.49	-25 52.2	1.200	2.214	2.7	17.4	6 30	18 12.73	-38 1.3	1.098	2.095	7.5	19.7
7 10	18 2.25	-26 19.9	1.204	2.195	8.1	17.7	7 10	17 59.32	-38 55.0	1.088	2.060	11.4	19.8
7 20	17 52.80	-26 40.6	1.232	2.176	13.2	17.9	7 20	17 47.74	-39 23.7	1.099	2.026	16.1	19.9
7 30	17 46.38	-26 55.4	1.279	2.157	17.7	18.1	7 30	17 39.81	-39 30.8	1.129	1.991	20.6	20.1
<b>32355</b>	2000 <i>QA</i> <sub>122</sub>		6 25.7 35°85	8.0/26.0	18		<b>398612</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>128898</b>	2004 TY <sub>6</sub>		6 25.7 241°05	1°9/26.2	18		<b>443396</b>	2014 HZ <sub>29</sub>		6 25.7 27°80	0°6/25.8	16	
5 21	18 42.28	-14 41.3	2.684	3.512	10.9	20.0	5 21	18 42.68	-20 57.0	2.042	2.893	13.0	21.5
5 31	18 37.39	-15 6.7	2.590	3.503	8.4	19.8	5 31	18 38.08	-21 4.4	1.968	2.895	9.8	21.3
6 10	18 30.89	-15 39.1	2.521	3.493	5.6	19.6	6 10	18 31.48	-21 14.6	1.916	2.898	6.3	21.1
6 20	18 23.24	-16 17.6	2.478	3.484	2.8	19.4	6 20	18 23.47	-21 26.6	1.889	2.901	2.4	20.9
6 30	18 15.04	-17 0.7	2.465	3.474	2.3	19.3	6 30	18 14.93	-21 39.0	1.890	2.904	1.8	20.8
7 10	18 7.03	-17 46.8	2.480	3.464	5.0	19.5	7 10	18 6.80	-21 51.1	1.918	2.907	5.7	21.1
7 20	17 59.87	-18 34.2	2.523	3.454	7.9	19.7	7 20	17 59.95	-22 2.5	1.971	2.911	9.3	21.3
7 30	17 54.17	-19 21.5	2.592	3.444	10.6	19.8	7 30	17 55.04	-22 13.4	2.048	2.914	12.4	21.5
<b>327800</b>	2006 VU		6 25.7 306°78	1°3/25.6	17		<b>395922</b>	2013 AU <sub>92</sub>		6 25.7 127°36	0°7/25.6	16	
5 21	18 44.73	-25 15.2	1.352	2.225	17.0	20.7	5 21	18 43.93	-24 27.8	2.315	3.159	11.9	21.7
5 31	18 41.04	-25 28.8	1.263	2.202	13.2	20.4	5 31	18 38.83	-24 44.4	2.240	3.164	9.0	21.6
6 10	18 34.14	-25 43.4	1.193	2.180	8.5	20.1	6 10	18 31.86	-25 1.4	2.188	3.169	5.7	21.4
6 20	18 24.67	-25 56.0	1.145	2.157	3.4	19.7	6 20	18 23.60	-25 17.1	2.162	3.174	2.2	21.1
6 30	18 13.87	-26 3.4	1.122	2.136	2.8	19.6	6 30	18 14.84	-25 29.7	2.165	3.179	1.7	21.1
7 10	18 3.38	-26 4.2	1.122	2.114	8.2	19.9	7 10	18 6.48	-25 38.6	2.196	3.183	5.2	21.4
7 20	17 54.75	-25 59.2	1.145	2.093	13.5	20.1	7 20	17 59.30	-25 44.0	2.253	3.188	8.5	21.6
7 30	17 49.23	-25 50.6	1.187	2.073	18.2	20.3	7 30	17 53.94	-25 46.6	2.334	3.192	11.4	21.8
<b>443006</b>	2013 CX <sub>195</sub>		6 25.7 344°84	12°8/30.1	16		<b>512697</b>	2016 UN <sub>6</sub>		6 25.7 301°62	0°6/25.7	18	
5 21	18 40.24	+12 14.6	1.889	2.630	17.8	20.1	5 21	18 43.80	-25 4.5	2.111	2.960	12.7	21.3
5 31	18 36.36	+12 39.4	1.814	2.621	16.2	20.0	5 31	18 38.95	-25 6.0	2.030	2.957	9.6	21.1
6 10	18 30.46	+12 37.2	1.755	2.613	14.6	19.8	6 10	18 32.04	-25 6.9	1.972	2.954	6.1	20.9
6 20	18 23.11	+12 3.5	1.715	2.606	13.3	19.7	6 20	18 23.69	-25 5.7	1.939	2.951	2.3	20.6
6 30	18 15.14	+10 56.2	1.697	2.600	12.8	19.7	6 30	18 14.77	-25 1.3	1.934	2.948	1.8	20.6
7 10	18 7.50	+9 17.2	1.701	2.594	13.3	19.7	7 10	18 6.26	-24 53.5	1.957	2.945	5.6	20.9
7 20	18 1.06	+7 11.8	1.727	2.589	14.6	19.8	7 20	17 59.04	-24 43.2	2.005	2.943	9.2	21.1
7 30	17 56.54	+4 47.8	1.775	2.585	16.4	19.9	7 30	17 53.81	-24 31.7	2.076	2.940	12.4	21.3
<b>404221</b>	2013 CZ <sub>187</sub>		6 25.7 77°34	1°7/25.6	17		<b>398205</b>	2010 MO <sub>115</sub>		6 25.7 304°89	1°9/25.8	16	
5 21	18 49.46	-26 35.5	1.258	2.128	18.2	21.4	5 21	18 41.66	-18 20.3	2.052	2.901	13.0	21.4
5 31	18 44.44	-26 44.1	1.194	2.131	13.9	21.1	5 31	18 37.43	-18 11.4	1.959	2.885	10.0	21.2
6 10	18 36.06	-26 51.0	1.149	2.135	8.9	20.9	6 10	18 31.17	-18 6.6	1.888	2.868	6.6	21.0
6 20	18 25.25	-26 52.6	1.126	2.138	3.6	20.6	6 20	18 23.41	-18 5.6	1.843	2.852	3.0	20.7
6 30	18 13.54	-26 46.4	1.128	2.141	3.0	20.5	6 30	18 14.95	-18 8.2	1.824	2.835	2.6	20.6
7 10	18 2.69	-26 32.5	1.154	2.145	8.2	20.8	7 10	18 6.77	-18 14.0	1.832	2.819	6.1	20.8
7 20	17 54.14	-26 13.1	1.202	2.148	13.2	21.1	7 20	17 59.73	-18 22.8	1.865	2.804	9.8	21.0
7 30	17 48.90	-25 51.7	1.270	2.152	17.5	21.4	7 30	17 54.61	-18 34.2	1.921	2.788	13.1	21.2
<b>420423</b>	2012 DZ <sub>20</sub>		6 25.7 87°34	0°6/25.7	17		<b>425607</b>	2010 UN <sub>70</sub>		6 25.7 268°55	1°8/25.5	17	
5 21	18 48.51	-21 25.0	1.516	2.373	16.3	21.9	5 21	18 48.61	-25 55.5	1.668	2.522	15.2	21.8
5 31	18 42.93	-21 32.5	1.459	2.390	12.4	21.6	5 31	18 43.52	-26 24.2	1.571	2.500	11.8	21.5
6 10	18 34.69	-21 43.2	1.422	2.406	7.8	21.4	6 10	18 35.50	-26 54.2	1.495	2.477	7.7	21.2
6 20	18 24.65	-21 55.1	1.410	2.422	2.9	21.2	6 20	18 25.15	-27 21.9	1.443	2.454	3.2	20.9
6 30	18 14.04	-22 6.5	1.424	2.438	2.2	21.2	6 30	18 13.57	-27 43.5	1.418	2.431	2.9	20.8
7 10	18 4.20	-22 16.4	1.463	2.453	7.0	21.5	7 10	18 2.19	-27 57.0	1.419	2.407	7.5	21.0
7 20	17 56.26	-22 24.9	1.527	2.469	11.3	21.8	7 20	17 52.39	-28 2.5	1.445	2.382	12.1	21.2
7 30	17 50.98	-22 32.6	1.612	2.484	14.9	22.0	7 30	17 45.30	-28 1.8	1.491	2.357	16.2	21.4
<b>285680</b>	2000 SX <sub>143</sub>		6 25.7 229°49	1°8/25.7	18		<b>471772</b>	2012 UY <sub>139</sub>		6 25.7 247°15	2°4/25.7	18	
5 21	18 45.35	-29 34.8	2.448	3.287	11.5	20.9	5 21	18 47.22	-30 19.0	2.003	2.848	13.4	21.7
5 31	18 39.90	-29 35.0	2.361	3.280	8.8	20.7	5 31	18 41.76	-30 22.1	1.919	2.842	10.3	21.4
6 10	18 32.53	-29 31.2	2.296	3.274	5.8	20.5	6 10	18 33.92	-30 20.3	1.857	2.835	6.8	21.2
6 20	18 23.83	-29 21.8	2.259	3.267	2.7	20.3	6 20	18 24.42	-30 11.1	1.820	2.828	3.4	21.0
6 30	18 14.62	-29 5.6	2.249	3.260	2.4	20.3	6 30	18 14.24	-29 52.9	1.811	2.821	3.0	20.9
7 10	18 5.79	-28 43.1	2.268	3.253	5.4	20.5	7 10	18 4.55	-29 26.2	1.829	2.814	6.4	21.1
7 20	17 58.15	-28 15.5	2.314	3.245	8.5	20.7	7 20	17 56.36	-28 53.0	1.873	2.806	10.0	21.4
7 30	17 52.37	-27 45.2	2.384	3.237	11.4	20.8	7 30	17 50.47	-28 16.5	1.939	2.799	13.3	21.5
<b>469956</b>	2006 BB <sub>211</sub>		6 25.7 57°74	1°5/25.9	16		<b>62314</b>	2000 SU <sub>119</sub>		6 25.7 88°93	4°7/26.1	18	
5 21	18 44.46	-18 45.1	1.733	2.587	14.8	21.7	5 21	18 41.47	-9 45.6	2.236	3.063	12.8	19.0
5 31	18 39.71	-18 51.1	1.663	2.591	11.3	21.5	5 31	18 36.89	-9 19.7	2.162	3.066	10.2	18.9
6 10	18 32.62	-19 2.0	1.615	2.596	7.3	21.2	6 10	18 30.60	-9 2.7	2.110	3.070	7.5	18.7
6 20	18 23.91	-19 17.1	1.591	2.601	3.1	21.0	6 20	18 23.14	-8 56.0	2.083	3.073	5.2	18.6
6 30	18 14.57	-19 35.2	1.593	2.606	2.4	21.0	6 30	18 15.23	-9 0.0	2.083	3.076	4.9	18.6
7 10	18 5.74	-19 54.8	1.622	2.611	6.5	21.2	7 10	18 7.69	-9 14.4	2.110	3.080	6.9	18.7
7 20	17 58.41	-20 15.2	1.675	2.616	10.5	21.5	7 20	18 1.22	-9 37.9	2.162	3.083	9.6	18.8
7 30	17 53.36	-20 36.0	1.751	2.621	14.0	21.7	7 30	17 56.42	-10 8.7	2.237	3.086	12.2	19.0
<b>268889</b>	2007 BW <sub>26</sub>		6 25.7 261°06	0°9/25.6	18		<b>450308</b>	2004 RG <sub>160</sub>		6 25.7 353°05	4°7/25.4	18	
5 21	18 47.42	-25 11.6	1.766	2.619	14.6	21.3	5 21	18 45.06	-35 27.8	1.984	2.828	13.5	20.2
5 31	18 42.27	-25 19.6	1.674	2.603	11.2	21.1	5 31	18 40.27	-35 57.6	1.909	2.826	10.7	20.0
6 10	18 34.48	-25 27.4	1.604	2.587	7.2	20.8	6 10	18 33.05	-36 20.2	1.856	2.824	7.7	19.8
6 20	18 24.68	-25 32.7	1.559	2.570	2.8	20.5	6 20	18 24.11	-36 31.6	1.827	2.822	5.2	19.7
6 30	18 13.93	-25 33.4	1.540	2.553	2.3	20.4	6 30	18 14.49	-36 29.0	1.824	2.821	5.1	19.7
7 10	18 3.52	-25 28.9	1.547	2.536	6.8	20.7	7 10	18 5.40	-36 12.1	1.847	2.820	7.4	19.8
7 20	17 54.64	-25 20.1	1.580	2.519	11.2	20.9	7 20	17 57.89	-35 43.2	1.895	2.819	10.5	20.0
7 30	17 48.25	-25 8.9	1.634	2.501	15.0	21.1	7 30	17 52.75	-35 5.9	1.965	2.819	13.4	20.2
<b>234353</b>	2001 HR <sub>43</sub>		6 25.7 19°21	1°5/25.6	17		<b>236571</b>	2006 HV <sub>91</sub>		6 25.7 23°80	2°3/25.9	17	
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>503264</b>	2015 <i>LG</i> <sub>4</sub>		6 25.7 142°67'	6°6/24.9	17		<b>32603</b>	Ariaeppinger		6 25.7 290°26'	3°2/25.7	18	
5 21	18 52.05	-41 22.6	2.225	3.040	13.2	21.8	5 21	18 42.66	-15 57.2	2.077	2.920	13.1	18.8
5 31	18 45.50	-42 20.3	2.158	3.048	10.8	21.7	5 31	18 38.05	-15 23.8	1.992	2.912	10.2	18.6
6 10	18 36.34	-43 7.8	2.114	3.056	8.5	21.5	6 10	18 31.48	-14 54.5	1.929	2.904	6.9	18.4
6 20	18 25.32	-43 39.6	2.094	3.064	6.9	21.4	6 20	18 23.54	-14 30.5	1.892	2.895	3.9	18.2
6 30	18 13.60	-43 51.9	2.102	3.071	6.9	21.5	6 30	18 15.02	-14 12.7	1.882	2.888	3.6	18.1
7 10	18 2.47	-43 44.3	2.135	3.078	8.5	21.6	7 10	18 6.86	-14 1.6	1.898	2.880	6.5	18.3
7 20	17 53.07	-43 19.3	2.193	3.085	10.8	21.7	7 20	17 59.87	-13 57.4	1.940	2.872	9.9	18.5
7 30	17 46.24	-42 41.5	2.273	3.091	13.1	21.9	7 30	17 54.76	-13 59.7	2.005	2.864	13.0	18.7
<b>182202</b>	2000 <i>VW</i> <sub>20</sub>		6 25.7 275°46'	0°7/25.6	18		<b>318632</b>	2005 <i>KP</i> <sub>6</sub>		6 25.7 353°63'	1°2/25.7	17	
5 21	18 44.12	-24 57.1	2.377	3.220	11.6	21.1	5 21	18 40.91	-22 9.6	1.100	1.989	18.8	19.7
5 31	18 39.18	-25 8.3	2.273	3.197	8.9	20.9	5 31	18 38.26	-21 50.6	1.034	1.982	14.4	19.4
6 10	18 32.25	-25 19.7	2.193	3.174	5.7	20.7	6 10	18 32.33	-21 33.4	0.987	1.977	9.3	19.1
6 20	18 23.83	-25 29.4	2.139	3.150	2.2	20.4	6 20	18 23.99	-21 17.7	0.960	1.973	3.6	18.7
6 30	18 14.69	-25 36.0	2.113	3.126	1.8	20.3	6 30	18 14.67	-21 3.2	0.956	1.970	2.8	18.7
7 10	18 5.74	-25 38.8	2.115	3.102	5.4	20.5	7 10	18 6.07	-20 50.6	0.974	1.969	8.5	19.0
7 20	17 57.83	-25 38.0	2.143	3.078	8.9	20.7	7 20	17 59.63	-20 40.8	1.012	1.969	13.9	19.3
7 30	17 51.73	-25 34.6	2.196	3.053	12.1	20.9	7 30	17 56.41	-20 34.8	1.069	1.971	18.5	19.6
<b>127762</b>	2003 <i>FC</i> <sub>38</sub>		6 25.7 334°61'	0°3/25.7	17		<b>142489</b>	2002 <i>TO</i> <sub>28</sub>		6 25.7 189°42'	1°4/25.6	18	
5 21	18 44.98	-23 44.9	1.555	2.418	15.7	20.5	5 21	18 48.82	-26 0.4	1.976	2.820	13.6	20.6
5 31	18 40.54	-23 49.7	1.480	2.414	11.9	20.3	5 31	18 42.96	-26 22.2	1.895	2.819	10.4	20.4
6 10	18 33.39	-23 55.5	1.425	2.410	7.6	20.0	6 10	18 34.72	-26 43.6	1.838	2.818	6.7	20.2
6 20	18 24.29	-24 0.4	1.395	2.407	2.8	19.7	6 20	18 24.76	-27 1.8	1.806	2.816	2.7	19.9
6 30	18 14.38	-24 2.8	1.389	2.404	2.2	19.7	6 30	18 14.09	-27 14.4	1.801	2.814	2.3	19.9
7 10	18 5.01	-24 2.0	1.410	2.401	7.0	20.0	7 10	18 3.86	-27 20.5	1.824	2.811	6.2	20.1
7 20	17 57.35	-23 58.7	1.453	2.398	11.5	20.2	7 20	17 55.10	-27 20.6	1.874	2.807	10.0	20.4
7 30	17 52.32	-23 54.4	1.519	2.396	15.4	20.5	7 30	17 48.63	-27 16.5	1.946	2.803	13.4	20.6
<b>388308</b>	2006 <i>SN</i> <sub>245</sub>		6 25.7 313°79'	0°9/25.6	18		<b>15199</b>	Rodnyanskaya		6 25.7 275°69'	0°4/25.7	18	
5 21	18 43.75	-24 40.2	1.950	2.803	13.4	21.3	5 21	18 48.08	-24 28.4	1.433	2.296	16.7	17.5
5 31	18 39.15	-24 57.8	1.868	2.797	10.2	21.0	5 31	18 43.37	-24 25.2	1.345	2.279	12.9	17.2
6 10	18 32.31	-25 16.2	1.809	2.792	6.5	20.8	6 10	18 35.50	-24 21.6	1.277	2.261	8.3	16.9
6 20	18 23.87	-25 33.2	1.775	2.786	2.5	20.5	6 20	18 25.20	-24 15.7	1.232	2.244	3.1	16.5
6 30	18 14.73	-25 46.8	1.768	2.781	2.0	20.5	6 30	18 13.71	-24 5.6	1.211	2.226	2.4	16.4
7 10	18 5.98	-25 56.0	1.787	2.776	6.1	20.8	7 10	18 2.62	-23 51.2	1.216	2.207	7.9	16.7
7 20	17 58.58	-26 0.9	1.832	2.771	9.9	21.0	7 20	17 53.39	-23 34.1	1.244	2.189	13.0	16.9
7 30	17 53.32	-26 2.6	1.899	2.766	13.2	21.2	7 30	17 47.16	-23 16.8	1.293	2.171	17.5	17.2
<b>479960</b>	2014 <i>JA</i> <sub>8</sub>		6 25.7 256°54'	2°7/25.2	18		<b>397079</b>	2005 <i>UX</i> <sub>249</sub>		6 25.7 248°52'	1°6/25.7	18	
5 21	18 44.69	-29 16.5	2.290	3.133	12.0	21.2	5 21	18 42.88	-19 3.7	2.670	3.505	10.7	21.8
5 31	18 39.67	-30 0.5	2.208	3.129	9.2	21.0	5 31	18 37.86	-18 44.6	2.572	3.490	8.2	21.6
6 10	18 32.56	-30 43.1	2.149	3.126	6.1	20.8	6 10	18 31.22	-18 27.4	2.498	3.475	5.4	21.4
6 20	18 23.95	-31 21.0	2.116	3.122	3.3	20.6	6 20	18 23.42	-18 12.0	2.451	3.459	2.5	21.2
6 30	18 14.66	-31 51.1	2.111	3.118	3.2	20.6	6 30	18 15.12	-17 58.5	2.433	3.444	2.1	21.2
7 10	18 5.69	-32 12.0	2.134	3.114	6.0	20.8	7 10	18 7.06	-17 47.4	2.443	3.427	5.0	21.3
7 20	17 57.93	-32 23.7	2.183	3.110	9.2	21.0	7 20	17 59.92	-17 38.9	2.480	3.411	8.1	21.5
7 30	17 52.13	-32 27.6	2.255	3.106	12.0	21.2	7 30	17 54.28	-17 33.3	2.543	3.394	10.8	21.7
<b>212318</b>	2005 <i>QV</i> <sub>70</sub>		6 25.7 328°46'	0°9/25.8	18		<b>169939</b>	2002 <i>TV</i> <sub>32</sub>		6 25.7 341°40'	9°8/25.7	16	
5 21	18 40.90	-20 24.7	1.690	2.553	14.6	19.8	5 21	18 39.15	-3 51.1	1.490	2.328	17.5	19.2
5 31	18 37.35	-20 30.7	1.601	2.536	11.2	19.5	5 31	18 36.02	-2 37.1	1.417	2.317	14.8	19.0
6 10	18 31.38	-20 41.1	1.534	2.519	7.2	19.3	6 10	18 30.51	-1 38.4	1.362	2.306	12.1	18.8
6 20	18 23.58	-20 54.8	1.491	2.502	2.9	19.0	6 20	18 23.25	-1 0.5	1.328	2.297	10.1	18.7
6 30	18 14.92	-21 10.4	1.473	2.487	2.2	18.9	6 30	18 15.24	-0 47.3	1.317	2.288	10.0	18.6
7 10	18 6.57	-21 26.8	1.480	2.472	6.7	19.1	7 10	18 7.62	-0 59.7	1.328	2.280	11.8	18.7
7 20	17 59.61	-21 43.3	1.512	2.458	11.0	19.3	7 20	18 1.45	-1 35.5	1.361	2.274	14.6	18.9
7 30	17 54.95	-21 59.7	1.565	2.445	14.9	19.5	7 30	17 57.58	-2 30.1	1.412	2.268	17.5	19.0
<b>29535</b>	1998 <i>BF</i> <sub>8</sub>		6 25.7 193°90'	3°4/26.3	18		<b>282932</b>	2007 <i>PU</i> <sub>34</sub>		6 25.7 316°87'	6°6/26.2	18	
5 21	18 42.35	-12 25.9	2.218	3.051	12.7	18.9	5 21	18 40.64	-8 59.9	1.510	2.360	16.7	20.1
5 31	18 37.66	-12 26.4	2.138	3.050	10.0	18.7	5 31	18 37.47	-8 33.8	1.411	2.328	13.7	19.8
6 10	18 31.17	-12 35.4	2.081	3.050	6.9	18.5	6 10	18 31.69	-8 21.1	1.331	2.297	10.3	19.5
6 20	18 23.40	-12 53.0	2.049	3.049	4.1	18.4	6 20	18 23.80	-8 24.9	1.273	2.266	7.3	19.2
6 30	18 15.11	-13 18.5	2.045	3.049	3.7	18.3	6 30	18 14.75	-8 47.2	1.238	2.235	6.9	19.1
7 10	18 7.14	-13 50.7	2.068	3.048	6.1	18.5	7 10	18 5.78	-9 27.4	1.228	2.205	9.7	19.2
7 20	18 0.26	-14 27.9	2.117	3.047	9.2	18.7	7 20	17 58.14	-10 23.2	1.239	2.176	13.8	19.3
7 30	17 55.10	-15 8.5	2.190	3.046	12.1	18.8	7 30	17 52.93	-11 30.7	1.271	2.148	17.8	19.5
<b>360128</b>	2013 <i>CK</i> <sub>33</sub>		6 25.7 171°60'	5°8/26.7	16		<b>277380</b>	2005 <i>UG</i> <sub>64</sub>		6 25.7 175°46'	0°4/25.6	18	
5 21	18 41.45	-3 16.7	2.701	3.494	11.7	21.8	5 21	18 43.20	-22 53.0	2.445	3.287	11.4	20.6
5 31	18 36.61	-2 55.6	2.622	3.497	9.7	21.6	5 31	18 38.27	-23 21.7	2.364	3.287	8.6	20.4
6 10	18 30.32	-2 45.7	2.567	3.499	7.7	21.5	6 10	18 31.55	-23 52.3	2.307	3.288	5.5	20.2
6 20	18 23.05	-2 48.5	2.536	3.501	6.2	21.4	6 20	18 23.57	-24 23.1	2.277	3.288	2.0	20.0
6 30	18 15.39	-3 4.6	2.533	3.502	5.9	21.4	6 30	18 15.05	-24 52.1	2.275	3.288	1.6	20.0
7 10	18 8.01	-3 33.2	2.556	3.503	7.1	21.5	7 10	18 6.84	-25 17.9	2.301	3.289	5.0	20.2
7 20	18 1.50	-4 12.7	2.606	3.504	9.0	21.6	7 20	17 59.68	-25 39.9	2.354	3.289	8.2	20.4
7 30	17 56.38	-5 0.7	2.680	3.504	11.1	21.8	7 30	17 54.22	-25 58.4	2.432	3.288	11.1	20.6
<b>470698</b>	2008 <i>TZ</i> <sub>61</sub>		6 25.7 278°64'	5°0/26.2	18		<b>385098</b>	2012 <i>VE</i> <sub>47</sub>		6 25.7			

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>91339</b>	1999 <i>JR</i> <sub>15</sub>		6 25.7 113°60	8°3/24.2	18		<b>353377</b>	2011 <i>LE</i> <sub>18</sub>		6 25.7 273°02	3°5/25.7	18	
5 21	18 54.12	-41 38.3	1.860	2.682	15.2	18.2	5 21	18 48.09	-33 43.5	2.186	3.022	12.7	21.4
5 31	18 47.75	-43 12.3	1.800	2.693	12.5	18.1	5 31	18 42.48	-33 51.1	2.087	3.002	10.0	21.1
6 10	18 38.15	-44 35.6	1.763	2.703	10.0	17.9	6 10	18 34.49	-33 51.9	2.010	2.981	6.9	20.9
6 20	18 26.14	-45 40.3	1.749	2.714	8.5	17.9	6 20	18 24.76	-33 42.8	1.959	2.960	4.2	20.7
6 30	18 13.10	-46 20.0	1.761	2.723	8.6	17.9	6 30	18 14.25	-33 21.6	1.936	2.939	3.9	20.6
7 10	18 0.70	-46 33.3	1.798	2.733	10.3	18.0	7 10	18 4.09	-32 48.6	1.940	2.918	6.6	20.8
7 20	17 50.40	-46 23.1	1.858	2.742	12.8	18.2	7 20	17 55.33	-32 5.9	1.969	2.897	10.0	20.9
7 30	17 43.26	-45 55.1	1.939	2.751	15.2	18.4	7 30	17 48.82	-31 17.3	2.023	2.875	13.1	21.1
<b>21457</b>	Fevig		6 25.7 146°18	0°1/25.7	18		<b>81103</b>	2000 <i>ES</i> <sub>112</sub>		6 25.7 252°72	1°7/25.7	18	
5 21	18 49.95	-23 6.3	1.857	2.701	14.3	19.7	5 21	18 48.55	-27 46.5	1.755	2.606	14.7	18.4
5 31	18 43.74	-23 14.4	1.788	2.712	10.9	19.5	5 31	18 43.17	-27 50.5	1.667	2.594	11.3	18.2
6 10	18 35.14	-23 23.5	1.740	2.721	6.9	19.3	6 10	18 35.09	-27 51.5	1.601	2.582	7.4	17.9
6 20	18 24.91	-23 31.7	1.719	2.730	2.5	19.0	6 20	18 25.02	-27 46.9	1.559	2.569	3.2	17.6
6 30	18 14.09	-23 37.3	1.725	2.739	1.9	19.0	6 30	18 14.05	-27 34.7	1.544	2.556	2.7	17.6
7 10	18 3.86	-23 39.9	1.758	2.747	6.2	19.3	7 10	18 3.53	-27 15.0	1.555	2.543	6.9	17.8
7 20	17 55.24	-23 40.0	1.818	2.754	10.2	19.6	7 20	17 54.65	-26 49.6	1.592	2.530	11.2	18.0
7 30	17 48.98	-23 38.8	1.900	2.760	13.5	19.8	7 30	17 48.34	-26 21.5	1.650	2.516	14.9	18.2
<b>387610</b>	2002 <i>EM</i> <sub>76</sub>		6 25.7 227°20	3°0/25.9	17		<b>93673</b>	2000 <i>UR</i> <sub>113</sub>		6 25.7 166°66	5°2/27.3	18	
5 21	18 44.93	-15 17.1	2.027	2.865	13.5	21.6	5 21	18 46.18	-6 10.6	1.925	2.740	15.0	19.0
5 31	18 39.85	-15 3.2	1.941	2.858	10.5	21.4	5 31	18 40.84	-6 37.8	1.845	2.741	12.1	18.8
6 10	18 32.69	-14 55.3	1.877	2.850	7.1	21.2	6 10	18 33.35	-7 21.5	1.788	2.743	8.9	18.7
6 20	18 24.03	-14 53.9	1.838	2.842	3.9	20.9	6 20	18 24.31	-8 21.5	1.755	2.744	6.1	18.5
6 30	18 14.72	-14 58.8	1.826	2.834	3.5	20.9	6 30	18 14.60	-9 35.9	1.749	2.745	5.3	18.4
7 10	18 5.73	-15 9.6	1.842	2.825	6.5	21.1	7 10	18 5.22	-11 1.1	1.771	2.746	7.5	18.6
7 20	17 57.97	-15 25.6	1.884	2.816	10.1	21.3	7 20	17 57.10	-12 32.5	1.820	2.747	10.7	18.8
7 30	17 52.18	-15 46.1	1.948	2.806	13.3	21.5	7 30	17 51.02	-14 5.7	1.892	2.747	13.8	19.0
<b>401496</b>	2013 <i>ER</i> <sub>10</sub>		6 25.7 100°47	5°0/26.2	17		<b>511185</b>	2013 <i>YX</i> <sub>108</sub>		6 25.7 246°94	3°2/25.0	18	
5 21	18 41.06	-8 27.8	2.343	3.164	12.5	21.1	5 21	18 48.42	-28 43.0	1.992	2.836	13.5	21.2
5 31	18 36.54	-7 58.2	2.267	3.166	10.0	20.9	5 31	18 42.99	-29 43.3	1.901	2.824	10.4	21.0
6 10	18 30.40	-7 37.8	2.214	3.169	7.5	20.8	6 10	18 35.00	-30 44.1	1.834	2.811	7.0	20.8
6 20	18 23.13	-7 28.1	2.186	3.171	5.5	20.6	6 20	18 25.02	-31 40.8	1.793	2.798	3.8	20.6
6 30	18 15.44	-7 29.8	2.185	3.173	5.2	20.6	6 30	18 14.03	-32 28.6	1.779	2.784	3.8	20.5
7 10	18 8.09	-7 42.7	2.211	3.175	6.9	20.7	7 10	18 3.25	-33 4.6	1.792	2.770	7.1	20.7
7 20	18 1.74	-8 5.4	2.262	3.178	9.4	20.9	7 20	17 53.85	-33 28.3	1.831	2.756	10.7	20.9
7 30	17 56.98	-8 36.3	2.336	3.180	11.9	21.1	7 30	17 46.81	-33 41.4	1.893	2.742	14.0	21.1
<b>47000</b>	1998 <i>TH</i> <sub>32</sub>		6 25.7 209°20	4°7/25.8	18		<b>48046</b>	2001 <i>DO</i> <sub>83</sub>		6 25.7 89°62	1°9/25.9	18	
5 21	18 43.67	-10 33.6	2.300	3.123	12.6	19.6	5 21	18 47.73	-18 17.4	1.519	2.374	16.4	19.5
5 31	18 38.58	-9 52.4	2.216	3.118	10.1	19.4	5 31	18 42.40	-18 19.7	1.459	2.388	12.5	19.3
6 10	18 31.73	-9 18.3	2.155	3.114	7.4	19.3	6 10	18 34.46	-18 28.3	1.420	2.401	8.1	19.0
6 20	18 23.65	-8 52.9	2.119	3.109	5.2	19.1	6 20	18 24.72	-18 41.8	1.405	2.415	3.5	18.8
6 30	18 15.06	-8 37.8	2.111	3.103	5.0	19.1	6 30	18 14.39	-18 58.9	1.415	2.428	2.8	18.8
7 10	18 6.80	-8 33.2	2.131	3.097	7.0	19.2	7 10	18 4.75	-19 18.1	1.451	2.441	7.1	19.1
7 20	17 59.60	-8 38.8	2.176	3.091	9.8	19.4	7 20	17 56.92	-19 38.6	1.512	2.454	11.4	19.3
7 30	17 54.09	-8 53.3	2.244	3.085	12.4	19.5	7 30	17 51.68	-19 59.8	1.594	2.466	15.0	19.6
<b>38708</b>	2000 <i>QQ</i> <sub>89</sub>		6 25.7 290°92	0°7/25.7	18		<b>516681</b>	2008 <i>SL</i> <sub>312</sub>		6 25.7 273°26	0°2/25.7	18	
5 21	18 47.12	-25 9.4	1.375	2.243	17.1	19.2	5 21	18 45.79	-23 0.1	1.949	2.798	13.6	22.5
5 31	18 42.84	-25 7.1	1.285	2.222	13.2	18.8	5 31	18 40.89	-23 14.9	1.850	2.777	10.4	22.2
6 10	18 35.31	-25 4.0	1.215	2.201	8.5	18.5	6 10	18 33.61	-23 31.9	1.774	2.756	6.7	21.9
6 20	18 25.21	-24 57.7	1.167	2.179	3.3	18.2	6 20	18 24.50	-23 49.2	1.723	2.735	2.5	21.6
6 30	18 13.82	-24 46.2	1.144	2.158	2.6	18.0	6 30	18 14.46	-24 4.9	1.699	2.713	1.9	21.5
7 10	18 2.78	-24 29.3	1.145	2.137	8.1	18.3	7 10	18 4.63	-24 17.5	1.702	2.691	6.3	21.8
7 20	17 53.64	-24 8.9	1.168	2.116	13.4	18.5	7 20	17 56.08	-24 26.9	1.730	2.668	10.4	22.0
7 30	17 47.61	-23 47.7	1.212	2.095	18.1	18.8	7 30	17 49.72	-24 33.9	1.782	2.646	14.1	22.2
<b>398406</b>	2011 <i>SO</i> <sub>219</sub>		6 25.7 325°54	4°7/25.9	16		<b>343367</b>	2010 <i>CY</i> <sub>88</sub>		6 25.7 3°71	0°2/25.7	17	
5 21	18 41.84	-12 17.6	1.844	2.688	14.4	20.7	5 21	18 43.88	-23 57.0	1.516	2.383	15.8	20.2
5 31	18 37.65	-11 43.2	1.764	2.681	11.4	20.5	5 31	18 39.70	-23 44.4	1.446	2.383	12.0	19.9
6 10	18 31.36	-11 16.8	1.706	2.675	8.2	20.3	6 10	18 32.87	-23 31.6	1.397	2.383	7.7	19.7
6 20	18 23.56	-11 0.2	1.671	2.668	5.3	20.1	6 20	18 24.18	-23 17.4	1.371	2.383	2.8	19.4
6 30	18 15.14	-10 54.4	1.663	2.662	5.0	20.1	6 30	18 14.79	-23 1.3	1.370	2.385	2.1	19.3
7 10	18 7.09	-10 59.6	1.680	2.657	7.6	20.2	7 10	18 6.02	-22 43.9	1.395	2.387	7.0	19.6
7 20	18 0.32	-11 14.9	1.721	2.651	11.0	20.4	7 20	17 59.00	-22 26.4	1.443	2.389	11.4	19.9
7 30	17 55.57	-11 38.7	1.784	2.646	14.2	20.6	7 30	17 54.57	-22 10.5	1.512	2.393	15.2	20.1
<b>316825</b>	1999 <i>XG</i> <sub>149</sub>		6 25.7 301°43	0°2/25.7	18		<b>237103</b>	2008 <i>TJ</i> <sub>92</sub>		6 25.7 241°67	1°2/25.8	18	
5 21	18 45.23	-23 8.2	1.382	2.252	16.9	20.9	5 21	18 45.29	-19 58.5	1.970	2.817	13.5	21.7
5 31	18 41.46	-23 15.6	1.286	2.224	13.1	20.5	5 31	18 40.28	-19 57.8	1.884	2.809	10.4	21.5
6 10	18 34.50	-23 25.8	1.211	2.197	8.5	20.2	6 10	18 33.07	-20 0.6	1.820	2.800	6.7	21.2
6 20	18 24.95	-23 36.6	1.157	2.169	3.2	19.8	6 20	18 24.25	-20 5.8	1.781	2.791	2.7	21.0
6 30	18 13.98	-23 45.5	1.128	2.142	2.5	19.7	6 30	18 14.73	-20 12.6	1.769	2.782	2.1	20.9
7 10	18 3.19	-23 51.1	1.122	2.115	8.2	19.9	7 10	18 5.55	-20 20.3	1.785	2.773	6.1	21.1
7 20	17 54.13	-23 53.7	1.139	2.088	13.6	20.2	7 20	17 57.67	-20 28.7	1.826	2.764	10.0	21.4
7 30	17 48.09	-23 54.5	1.176	2.062	18.4	20.4	7 30	17 51.87	-20 38.1	1.890	2.754	13.4	21.6
<b>22548</b>	1998 <i>FV</i> <sub>90</sub>		6 25.7 335°03	0°3/25.7	18		<b>345947</b>	2007 <i>RL</i>					

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>198395</b>	2004 VL <sub>47</sub>		6 25.7 278°55	2°6/25.9	17		<b>363176</b>	2001 TA <sub>127</sub>		6 25.7 315°51	5°7/25.7	17	R
5 21	18 44.45	-17 2.6	1.833	2.681	14.3	21.0	5 21	18 41.52	-10 27.4	1.873	2.711	14.4	20.9
5 31	18 39.86	-16 50.2	1.739	2.663	11.1	20.7	5 31	18 37.44	-9 37.0	1.788	2.699	11.6	20.7
6 10	18 32.94	-16 43.1	1.667	2.645	7.4	20.5	6 10	18 31.28	-8 54.7	1.724	2.687	8.6	20.5
6 20	18 24.25	-16 41.5	1.620	2.627	3.7	20.2	6 20	18 23.62	-8 23.1	1.685	2.675	6.2	20.4
6 30	18 14.71	-16 45.3	1.599	2.609	3.2	20.1	6 30	18 15.30	-8 4.6	1.671	2.663	6.0	20.3
7 10	18 5.44	-16 54.0	1.604	2.591	6.9	20.3	7 10	18 7.30	-7 59.7	1.682	2.652	8.3	20.4
7 20	17 57.47	-17 7.1	1.635	2.573	10.9	20.5	7 20	18 0.52	-8 8.0	1.718	2.641	11.4	20.6
7 30	17 51.67	-17 24.2	1.687	2.554	14.6	20.7	7 30	17 55.71	-8 27.9	1.775	2.630	14.5	20.8
<b>398088</b>	2009 MB <sub>3</sub>		6 25.7 0°95	3°2/26.4	18		<b>333198</b>	2012 GL <sub>7</sub>		6 25.7 34°80	3°3/25.8	17	
5 21	18 40.88	-12 57.0	1.856	2.703	14.2	20.0	5 21	18 45.28	-17 49.1	1.374	2.239	17.2	20.2
5 31	18 36.95	-13 12.6	1.781	2.701	11.1	19.8	5 31	18 40.81	-17 12.0	1.312	2.245	13.3	20.0
6 10	18 30.95	-13 38.9	1.727	2.701	7.6	19.6	6 10	18 33.59	-16 40.1	1.270	2.251	8.8	19.8
6 20	18 23.46	-14 15.4	1.697	2.701	4.3	19.4	6 20	18 24.49	-16 14.3	1.251	2.258	4.5	19.5
6 30	18 15.35	-15 0.5	1.694	2.701	3.6	19.3	6 30	18 14.73	-15 55.7	1.256	2.266	4.0	19.5
7 10	18 7.60	-15 51.7	1.717	2.703	6.6	19.5	7 10	18 5.69	-15 45.0	1.286	2.274	8.0	19.8
7 20	18 1.10	-16 46.6	1.765	2.705	10.1	19.7	7 20	17 58.53	-15 42.2	1.338	2.282	12.4	20.1
7 30	17 56.60	-17 42.5	1.835	2.707	13.4	20.0	7 30	17 54.07	-15 46.7	1.411	2.291	16.2	20.3
<b>316041</b>	2009 HH <sub>1</sub>		6 25.7 149°84	2°6/25.5	17		<b>433052</b>	2012 ST <sub>60</sub>		6 25.7 246°03	4°0/26.1	17	
5 21	18 50.89	-28 7.8	1.637	2.488	15.6	21.5	5 21	18 43.79	-13 15.0	1.887	2.727	14.3	21.4
5 31	18 45.00	-28 42.1	1.568	2.494	12.0	21.3	5 31	18 39.10	-12 55.7	1.808	2.725	11.2	21.2
6 10	18 36.26	-29 14.8	1.520	2.500	7.8	21.1	6 10	18 32.30	-12 44.4	1.752	2.723	7.8	20.9
6 20	18 25.47	-29 41.4	1.497	2.505	3.7	20.8	6 20	18 23.99	-12 42.0	1.720	2.720	4.7	20.8
6 30	18 13.87	-29 58.3	1.500	2.510	3.4	20.8	6 30	18 15.07	-12 48.7	1.714	2.717	4.3	20.7
7 10	18 2.92	-30 4.4	1.530	2.515	7.4	21.1	7 10	18 6.53	-13 4.0	1.734	2.715	7.1	20.9
7 20	17 53.85	-30 0.9	1.584	2.518	11.5	21.3	7 20	17 59.29	-13 26.7	1.780	2.712	10.6	21.1
7 30	17 47.57	-29 50.7	1.660	2.522	15.0	21.5	7 30	17 54.08	-13 55.2	1.848	2.709	13.8	21.3
<b>512850</b>	2016 VQ <sub>8</sub>		6 25.7 248°16	4°1/24.9	18		<b>260140</b>	2004 QM <sub>22</sub>		6 25.7 274°55	4°6/26.7	16	
5 21	18 45.94	-33 39.2	2.371	3.207	11.9	21.6	5 21	18 59.09	-36 54.3	1.134	1.991	20.6	19.9
5 31	18 40.71	-34 30.4	2.288	3.202	9.3	21.4	5 31	18 52.72	-36 9.3	1.053	1.979	16.5	19.6
6 10	18 33.33	-35 17.7	2.228	3.196	6.6	21.3	6 10	18 41.87	-35 2.5	0.990	1.966	11.5	19.3
6 20	18 24.36	-35 57.0	2.195	3.190	4.4	21.1	6 20	18 27.72	-33 28.1	0.949	1.954	6.4	18.9
6 30	18 14.67	-36 25.0	2.188	3.184	4.5	21.1	6 30	18 12.34	-31 25.6	0.931	1.941	5.1	18.8
7 10	18 5.28	-36 40.3	2.209	3.178	6.7	21.2	7 10	17 58.20	-29 2.8	0.938	1.928	10.0	19.0
7 20	17 57.13	-36 43.4	2.256	3.172	9.4	21.4	7 20	17 47.24	-26 33.2	0.969	1.915	15.6	19.3
7 30	17 51.01	-36 36.6	2.326	3.166	12.1	21.6	7 30	17 40.61	-24 10.4	1.019	1.902	20.7	19.6
<b>430964</b>	2005 WY <sub>36</sub>		6 25.7 194°29	0°6/25.8	17		<b>470613</b>	2008 RH <sub>100</sub>		6 25.7 313°93	3°6/25.9	16	
5 21	18 46.70	-21 24.3	2.017	2.862	13.4	22.4	5 21	18 42.53	-15 40.1	1.528	2.388	16.1	21.3
5 31	18 41.26	-21 27.5	1.936	2.860	10.2	22.2	5 31	18 38.80	-15 18.9	1.441	2.371	12.6	21.0
6 10	18 33.64	-21 32.9	1.877	2.858	6.5	21.9	6 10	18 32.47	-15 4.9	1.375	2.354	8.6	20.7
6 20	18 24.47	-21 39.4	1.844	2.856	2.5	21.7	6 20	18 24.16	-14 59.1	1.332	2.338	4.7	20.5
6 30	18 14.65	-21 45.6	1.839	2.853	1.9	21.6	6 30	18 14.90	-15 2.0	1.313	2.322	4.2	20.4
7 10	18 5.25	-21 51.1	1.861	2.850	5.9	21.9	7 10	18 5.96	-15 13.2	1.319	2.306	8.0	20.6
7 20	17 57.18	-21 55.8	1.910	2.846	9.7	22.1	7 20	17 58.54	-15 32.0	1.348	2.291	12.4	20.8
7 30	17 51.20	-22 0.3	1.981	2.842	13.0	22.3	7 30	17 53.59	-15 57.0	1.398	2.277	16.4	21.0
<b>65403</b>	2002 RO <sub>94</sub>		6 25.7 293°60	1°4/25.9	18		<b>250400</b>	2003 UQ <sub>186</sub>		6 25.7 211°33	2°5/25.6	17	
5 21	18 43.49	-19 23.5	1.899	2.751	13.8	19.2	5 21	18 50.79	-29 21.8	1.884	2.726	14.2	21.1
5 31	18 39.02	-19 24.4	1.813	2.740	10.6	19.0	5 31	18 44.74	-29 40.2	1.799	2.720	11.0	20.8
6 10	18 32.33	-19 29.6	1.749	2.730	6.8	18.7	6 10	18 36.06	-29 55.2	1.736	2.714	7.2	20.6
6 20	18 24.02	-19 38.2	1.710	2.720	2.9	18.4	6 20	18 25.44	-30 3.5	1.699	2.706	3.5	20.4
6 30	18 14.97	-19 49.3	1.697	2.710	2.3	18.4	6 30	18 13.99	-30 2.3	1.689	2.698	3.2	20.3
7 10	18 6.26	-20 2.0	1.711	2.700	6.2	18.6	7 10	18 3.00	-29 51.1	1.706	2.690	6.8	20.5
7 20	17 58.85	-20 15.8	1.750	2.691	10.2	18.8	7 20	17 53.64	-29 31.7	1.749	2.680	10.7	20.7
7 30	17 53.54	-20 30.5	1.812	2.681	13.7	19.0	7 30	17 46.80	-29 7.2	1.814	2.671	14.2	20.9
<b>248113</b>	2004 RG <sub>170</sub>		6 25.7 279°26	4°9/25.8	18		<b>290599</b>	2005 UP <sub>181</sub>		6 25.7 264°35	0°5/25.7	18	
5 21	18 41.29	-9 42.5	2.407	3.230	12.1	20.3	5 21	18 43.13	-23 48.2	2.343	3.187	11.7	21.3
5 31	18 36.85	-9 4.5	2.311	3.213	9.8	20.1	5 31	18 38.38	-24 5.9	2.257	3.182	8.9	21.1
6 10	18 30.72	-8 33.7	2.238	3.195	7.3	19.9	6 10	18 31.75	-24 24.8	2.195	3.177	5.7	20.9
6 20	18 23.37	-8 12.0	2.191	3.178	5.3	19.7	6 20	18 23.78	-24 43.0	2.160	3.171	2.1	20.6
6 30	18 15.46	-8 0.6	2.170	3.160	5.1	19.7	6 30	18 15.24	-24 59.0	2.152	3.166	1.7	20.6
7 10	18 7.77	-8 0.0	2.177	3.143	7.0	19.8	7 10	18 7.00	-25 11.9	2.172	3.160	5.2	20.8
7 20	18 1.00	-8 9.8	2.209	3.125	9.6	19.9	7 20	17 59.86	-25 21.5	2.219	3.155	8.6	21.0
7 30	17 55.78	-8 28.7	2.264	3.107	12.3	20.1	7 30	17 54.49	-25 28.3	2.289	3.149	11.5	21.2
<b>162003</b>	1991 TG		6 25.7 271°55	15°7/22.8	18		<b>403286</b>	2009 BL <sub>56</sub>		6 25.7 166°01	2°0/25.9	17	
5 21	18 43.90	+20 11.5	2.211	2.874	17.4	19.8	5 21	18 48.88	-17 51.5	1.653	2.500	15.7	21.3
5 31	18 39.19	+21 53.4	2.128	2.849	16.7	19.7	5 31	18 43.27	-17 52.9	1.580	2.504	12.0	21.1
6 10	18 32.42	+23 12.5	2.061	2.822	16.0	19.6	6 10	18 35.08	-18 0.5	1.528	2.507	7.9	20.9
6 20	18 24.07	+24 2.3	2.012	2.796	15.7	19.5	6 20	18 25.06	-18 13.1	1.501	2.510	3.5	20.6
6 30	18 14.91	+24 17.3	1.981	2.768	15.8	19.5	6 30	18 14.31	-18 29.6	1.500	2.513	2.8	20.6
7 10	18 5.86	+23 55.8	1.968	2.741	16.3	19.4	7 10	18 4.09	-18 48.7	1.526	2.514	7.0	20.8
7 20	17 57.83	+22 59.3	1.972	2.712	17.3	19.5	7 20	17 55.51	-19 9.5	1.577	2.516	11.2	21.1
7 30	17 51.62	+21 32.1	1.993	2.684	18.5	19.5	7 30	17 49.43	-19 31.5	1.650	2.516	14.9	21.3
<b>381996</b>	2010 LB <sub>35</sub>		6 25.7 43°21	0°7/25.6	17		<b>498473</b>	2008 CC <sub>57</sub>		6 25.7 86°92	1°7/25.9	17	
5 21	18												

EPHEMERIDES

6 25.7

6 25.8

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>456473</b>	2006 <i>WU</i> <sub>41</sub>		6 25.7 250°09	1.5/25.9	18		<b>88376</b>	2001 <i>PY</i> <sub>26</sub>		6 25.8 317°30	1.3/25.9	18	
5 21	18 47.16	-19 11.8	1.810	2.657	14.5	22.2	5 21	18 44.46	-20 13.0	1.466	2.331	16.3	19.6
5 31	18 42.02	-19 13.6	1.717	2.642	11.2	22.0	5 31	18 40.39	-20 10.1	1.387	2.322	12.6	19.4
6 10	18 34.38	-19 20.0	1.646	2.626	7.3	21.7	6 10	18 33.54	-20 11.6	1.329	2.313	8.1	19.1
6 20	18 24.86	-19 30.2	1.600	2.610	3.1	21.4	6 20	18 24.62	-20 16.6	1.293	2.305	3.3	18.8
6 30	18 14.42	-19 42.8	1.580	2.593	2.4	21.3	6 30	18 14.76	-20 23.9	1.283	2.296	2.5	18.7
7 10	18 4.25	-19 56.9	1.588	2.576	6.7	21.6	7 10	18 5.36	-20 32.7	1.297	2.289	7.4	19.0
7 20	17 55.47	-20 11.9	1.621	2.559	11.0	21.8	7 20	17 57.67	-20 42.6	1.334	2.281	12.1	19.2
7 30	17 48.99	-20 27.9	1.676	2.541	14.8	22.0	7 30	17 52.64	-20 53.8	1.392	2.274	16.2	19.5
<b>45356</b>	2000 <i>AA</i> <sub>102</sub>		6 25.7 282°24	1°1/25.9	18		<b>55693</b>	4149 <i>T</i> <sub>-2</sub>		6 25.8 297°99	1°6/25.6	18	
5 21	18 46.14	-19 1.3	1.537	2.395	16.1	18.9	5 21	18 46.52	-24 53.8	1.219	2.095	18.3	19.1
5 31	18 41.74	-19 21.9	1.446	2.377	12.4	18.6	5 31	18 42.87	-25 20.1	1.134	2.075	14.2	18.8
6 10	18 34.49	-19 50.4	1.375	2.358	8.1	18.3	6 10	18 35.67	-25 49.6	1.069	2.056	9.2	18.4
6 20	18 24.98	-20 24.8	1.328	2.339	3.3	18.0	6 20	18 25.58	-26 18.1	1.024	2.036	3.7	18.0
6 30	18 14.30	-21 2.7	1.306	2.320	2.4	17.9	6 30	18 13.97	-26 41.4	1.003	2.017	3.1	17.9
7 10	18 3.84	-21 41.3	1.310	2.301	7.5	18.1	7 10	18 2.67	-26 56.6	1.005	1.998	8.9	18.2
7 20	17 54.93	-22 18.7	1.338	2.282	12.3	18.4	7 20	17 53.44	-27 3.7	1.029	1.979	14.5	18.5
7 30	17 48.69	-22 54.1	1.387	2.263	16.6	18.6	7 30	17 47.66	-27 4.8	1.071	1.961	19.4	18.7
<b>325802</b>	2010 <i>RO</i> <sub>81</sub>		6 25.7 252°09	3°3/26.1	17		<b>511994</b>	2015 <i>KZ</i> <sub>128</sub>		6 25.8 315°09	2°2/25.3	18	
5 21	18 46.79	-15 5.1	1.666	2.513	15.6	21.6	5 21	18 44.33	-25 22.1	1.660	2.521	14.9	20.4
5 31	18 41.87	-14 57.3	1.577	2.499	12.2	21.3	5 31	18 40.31	-26 15.4	1.572	2.505	11.5	20.2
6 10	18 34.36	-14 57.6	1.509	2.485	8.3	21.0	6 10	18 33.56	-27 12.5	1.505	2.488	7.5	19.9
6 20	18 24.88	-15 6.4	1.465	2.470	4.5	20.8	6 20	18 24.67	-28 9.2	1.462	2.472	3.4	19.6
6 30	18 14.44	-15 23.2	1.446	2.455	3.9	20.7	6 30	18 14.68	-29 0.7	1.445	2.457	3.1	19.6
7 10	18 4.29	-15 46.9	1.454	2.439	7.6	20.9	7 10	18 4.93	-29 43.6	1.454	2.441	7.4	19.8
7 20	17 55.59	-16 16.1	1.486	2.424	11.9	21.1	7 20	17 56.67	-30 16.4	1.487	2.427	11.7	20.0
7 30	17 49.31	-16 49.5	1.540	2.407	15.7	21.3	7 30	17 50.99	-30 39.9	1.541	2.413	15.5	20.2
<b>159387</b>	1998 <i>MT</i> <sub>18</sub>		6 25.7 332°67	5°1/27.2	18		<b>470845</b>	2008 <i>XE</i> <sub>54</sub>		6 25.8 182°11	1°9/25.6	18	
5 21	18 40.04	-8 57.5	1.305	2.165	18.3	18.9	5 21	18 47.03	-19 25.4	2.542	3.371	11.4	21.7
5 31	18 37.44	-9 31.8	1.215	2.141	14.7	18.6	5 31	18 40.98	-18 46.4	2.457	3.372	8.7	21.5
6 10	18 31.95	-10 29.0	1.144	2.117	10.6	18.3	6 10	18 33.23	-18 8.1	2.397	3.372	5.7	21.3
6 20	18 24.11	-11 50.0	1.093	2.095	6.5	18.0	6 20	18 24.34	-17 31.1	2.365	3.372	2.7	21.1
6 30	18 14.95	-13 32.5	1.067	2.074	5.3	17.9	6 30	18 15.05	-16 56.2	2.362	3.371	2.4	21.1
7 10	18 5.90	-15 30.3	1.064	2.055	8.9	18.0	7 10	18 6.14	-16 24.6	2.388	3.370	5.3	21.3
7 20	17 58.38	-17 35.2	1.084	2.036	13.7	18.2	7 20	17 58.33	-15 57.2	2.442	3.368	8.4	21.5
7 30	17 53.64	-19 39.7	1.125	2.020	18.3	18.4	7 30	17 52.20	-15 34.8	2.520	3.365	11.1	21.6
<b>74147</b>	1998 <i>QR</i> <sub>86</sub>		6 25.8 301°30	2°3/25.8	18		<b>227909</b>	2007 <i>ED</i> <sub>188</sub>		6 25.8 66°84	3°8/25.5	17	
5 21	18 46.66	-29 33.1	1.745	2.599	14.7	18.2	5 21	18 49.24	-30 59.6	1.574	2.429	15.9	20.6
5 31	18 42.02	-29 32.2	1.642	2.570	11.4	17.9	5 31	18 43.79	-31 35.4	1.517	2.444	12.3	20.4
6 10	18 34.59	-29 26.4	1.561	2.542	7.6	17.6	6 10	18 35.50	-32 6.3	1.482	2.459	8.2	20.2
6 20	18 25.01	-29 12.8	1.504	2.513	3.6	17.3	6 20	18 25.26	-32 27.6	1.470	2.475	4.6	20.0
6 30	18 14.34	-28 49.4	1.473	2.485	3.1	17.2	6 30	18 14.39	-32 36.3	1.484	2.490	4.3	20.0
7 10	18 3.94	-28 16.3	1.468	2.456	7.2	17.4	7 10	18 4.33	-32 31.7	1.523	2.506	7.7	20.3
7 20	17 55.10	-27 35.9	1.488	2.428	11.6	17.6	7 20	17 56.27	-32 16.2	1.587	2.521	11.4	20.5
7 30	17 48.86	-26 52.1	1.529	2.400	15.7	17.8	7 30	17 51.03	-31 53.5	1.672	2.537	14.8	20.8
<b>37049</b>	2000 <i>UC</i> <sub>38</sub>		6 25.8 216°26	0°6/25.7	18		<b>389256</b>	2009 <i>FW</i> <sub>49</sub>		6 25.8 33°77	1°1/25.7	16	
5 21	18 43.89	-24 56.8	2.775	3.611	10.3	20.2	5 21	18 44.63	-25 42.2	1.987	2.838	13.3	21.6
5 31	18 38.68	-25 5.9	2.684	3.604	7.9	20.0	5 31	18 39.80	-25 57.7	1.912	2.840	10.1	21.4
6 10	18 31.83	-25 14.7	2.617	3.596	5.0	19.8	6 10	18 32.79	-26 12.9	1.860	2.842	6.4	21.2
6 20	18 23.83	-25 21.7	2.577	3.588	1.9	19.6	6 20	18 24.25	-26 25.5	1.833	2.844	2.6	21.0
6 30	18 15.33	-25 26.0	2.566	3.580	1.5	19.5	6 30	18 15.10	-26 33.7	1.834	2.847	2.1	20.9
7 10	18 7.09	-25 27.2	2.584	3.571	4.6	19.7	7 10	18 6.42	-26 36.8	1.861	2.849	5.9	21.2
7 20	17 59.81	-25 25.4	2.630	3.562	7.6	19.9	7 20	17 59.11	-26 35.4	1.913	2.852	9.6	21.4
7 30	17 54.05	-25 21.6	2.701	3.553	10.2	20.1	7 30	17 53.92	-26 30.8	1.989	2.854	12.8	21.6
<b>468851</b>	2013 <i>AM</i> <sub>28</sub>		6 25.8 245°22	3°9/25.7	18		<b>302815</b>	2003 <i>BY</i> <sub>73</sub>		6 25.8 80°57	2°3/25.3	18	
5 21	18 48.12	-35 28.8	2.406	3.234	12.0	21.3	5 21	18 45.39	-27 39.7	2.121	2.967	12.7	20.3
5 31	18 42.30	-35 41.2	2.314	3.223	9.4	21.1	5 31	18 40.37	-28 24.6	2.045	2.969	9.7	20.2
6 10	18 34.32	-35 46.3	2.246	3.212	6.7	20.9	6 10	18 33.17	-29 9.1	1.993	2.971	6.4	19.9
6 20	18 24.79	-35 41.2	2.204	3.200	4.4	20.7	6 20	18 24.41	-29 49.7	1.966	2.973	3.1	19.7
6 30	18 14.63	-35 23.8	2.189	3.187	4.2	20.7	6 30	18 14.98	-30 23.4	1.966	2.975	3.0	19.7
7 10	18 4.89	-34 54.4	2.202	3.175	6.4	20.8	7 10	18 5.92	-30 48.3	1.994	2.977	6.1	19.9
7 20	17 56.48	-34 14.9	2.241	3.162	9.3	21.0	7 20	17 58.18	-31 4.4	2.048	2.979	9.5	20.2
7 30	17 50.14	-33 28.9	2.305	3.149	12.0	21.1	7 30	17 52.50	-31 13.1	2.126	2.981	12.5	20.4
<b>183109</b>	2002 <i>RW</i> <sub>133</sub>		6 25.8 282°68	4°3/25.1	18		<b>70135</b>	1999 <i>NP</i> <sub>9</sub>		6 25.8 255°20	0°1/25.8	18	
5 21	18 48.38	-30 33.5	1.548	2.406	16.0	20.4	5 21	18 49.02	-23 25.8	1.769	2.618	14.7	19.9
5 31	18 43.72	-31 27.5	1.463	2.392	12.5	20.2	5 31	18 43.61	-23 22.8	1.672	2.599	11.3	19.6
6 10	18 35.89	-32 20.3	1.399	2.377	8.6	19.9	6 10	18 35.52	-23 20.2	1.597	2.579	7.3	19.3
6 20	18 25.57	-33 5.8	1.359	2.363	5.0	19.7	6 20	18 25.38	-23 16.3	1.547	2.559	2.8	19.0
6 30	18 13.99	-33 38.6	1.343	2.348	5.0	19.6	6 30	18 14.22	-23 9.9	1.524	2.538	2.1	18.9
7 10	18 2.76	-33 55.6	1.353	2.334	8.6	19.8	7 10	18 3.34	-23 0.6	1.528	2.517	6.8	19.1
7 20	17 53.36	-33 57.5	1.386	2.319	12.9	20.0	7 20	17 53.97	-22 49.4	1.556	2.495	11.3	19.3
7 30	17 46.99	-33 47.7	1.440	2.305	16.8	20.2	7 30	17 47.07	-22 38.1	1.607	2.473	15.3	19.5
<b>159053</b>	2004 <i>TQ</i> <sub>133</sub>		6 25.8 299°08	4°9/24.9	18		<						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>37709</b>	1996 <i>RL</i> <sub>4</sub>		6 25.8 276°05	7°3/25.0	18		<b>257613</b>	1999 <i>SV</i> <sub>13</sub>		6 25.8 291°96	1°8/25.6	18	
5 21	18 51.42	-40 3.3	1.811	2.643	15.2	19.2	5 21	18 47.30	-26 12.0	1.462	2.326	16.4	20.7
5 31	18 45.95	-40 55.4	1.722	2.625	12.5	19.0	5 31	18 43.04	-26 31.2	1.366	2.301	12.8	20.4
6 10	18 37.27	-41 38.1	1.653	2.606	9.7	18.8	6 10	18 35.60	-26 51.0	1.291	2.275	8.3	20.1
6 20	18 26.09	-42 4.4	1.608	2.587	7.6	18.6	6 20	18 25.57	-27 7.7	1.239	2.250	3.5	19.8
6 30	18 13.70	-42 8.8	1.588	2.568	7.6	18.6	6 30	18 14.16	-27 17.8	1.211	2.224	3.0	19.7
7 10	18 1.73	-41 49.9	1.593	2.549	9.8	18.7	7 10	18 2.96	-27 19.7	1.208	2.198	8.1	19.9
7 20	17 51.68	-41 10.2	1.621	2.530	12.9	18.8	7 20	17 53.49	-27 13.8	1.228	2.173	13.2	20.1
7 30	17 44.69	-40 15.8	1.670	2.511	16.0	19.0	7 30	17 47.04	-27 2.9	1.268	2.147	17.7	20.3
<b>310151</b>	2011 <i>OM</i> <sub>58</sub>		6 25.8 290°26	0°4/25.9	18		<b>41377</b>	2000 <i>AB</i> <sub>104</sub>		6 25.8 25°14	2°4/26.2	18	
5 21	18 49.67	-16 9.2	1.951	2.784	14.2	19.7	5 21	18 41.79	-15 10.8	2.301	3.138	12.1	18.9
5 31	18 44.10	-17 36.5	1.844	2.762	11.0	19.4	5 31	18 37.30	-15 15.9	2.222	3.139	9.4	18.7
6 10	18 35.93	-19 18.8	1.761	2.739	7.1	19.1	6 10	18 31.08	-15 27.5	2.166	3.140	6.3	18.5
6 20	18 25.62	-21 12.1	1.706	2.716	2.8	18.8	6 20	18 23.64	-15 45.1	2.136	3.142	3.3	18.4
6 30	18 14.02	-23 10.6	1.680	2.694	2.0	18.7	6 30	18 15.70	-16 8.1	2.134	3.143	2.8	18.3
7 10	18 2.31	-25 7.4	1.684	2.671	6.6	19.0	7 10	18 8.08	-16 35.2	2.159	3.144	5.5	18.5
7 20	17 51.68	-26 57.0	1.716	2.648	10.9	19.2	7 20	18 1.51	-17 5.2	2.211	3.146	8.7	18.7
7 30	17 43.24	-28 36.3	1.773	2.626	14.7	19.4	7 30	17 56.60	-17 37.0	2.286	3.147	11.5	18.9
<b>141947</b>	2002 <i>PN</i> <sub>108</sub>		6 25.8 329°88	1°8/25.6	18		<b>232485</b>	2003 <i>MJ</i> <sub>5</sub>		6 25.8 318°53	7°4/27.5	18	
5 21	18 42.87	-25 6.9	1.194	2.076	18.1	19.7	5 21	18 42.31	-4 26.3	1.570	2.401	17.1	19.5
5 31	18 40.00	-25 37.0	1.116	2.061	14.0	19.4	5 31	18 38.58	-4 25.6	1.484	2.385	14.2	19.2
6 10	18 33.76	-26 10.0	1.058	2.046	9.1	19.1	6 10	18 32.37	-4 44.7	1.417	2.370	11.0	19.0
6 20	18 24.86	-26 41.9	1.021	2.032	3.7	18.7	6 20	18 24.26	-5 26.0	1.372	2.355	8.2	18.8
6 30	18 14.65	-27 8.4	1.006	2.020	3.2	18.7	6 30	18 15.19	-6 29.7	1.351	2.341	7.5	18.7
7 10	18 4.89	-27 26.8	1.014	2.008	8.7	18.9	7 10	18 6.36	-7 52.6	1.355	2.327	9.6	18.8
7 20	17 57.19	-27 36.8	1.044	1.997	14.0	19.2	7 20	17 58.90	-9 29.7	1.382	2.314	13.0	19.0
7 30	17 52.81	-27 40.2	1.092	1.987	18.7	19.4	7 30	17 53.76	-11 14.7	1.431	2.302	16.5	19.2
<b>225929</b>	2002 <i>AQ</i> <sub>144</sub>		6 25.8 78°22	0°3/25.8	17		<b>31302</b>	1998 <i>FT</i> <sub>95</sub>		6 25.8 205°09	2°4/25.8	18	
5 21	18 46.92	-24 21.2	1.702	2.557	14.9	20.4	5 21	18 43.63	-17 2.8	2.384	3.220	11.8	19.0
5 31	18 41.75	-24 18.9	1.634	2.564	11.3	20.2	5 31	18 38.61	-16 35.6	2.301	3.217	9.1	18.9
6 10	18 34.12	-24 16.4	1.588	2.571	7.2	20.0	6 10	18 31.86	-16 11.6	2.240	3.215	6.1	18.7
6 20	18 24.77	-24 12.0	1.566	2.578	2.7	19.7	6 20	18 23.92	-15 51.4	2.207	3.212	3.2	18.5
6 30	18 14.83	-24 4.6	1.571	2.585	2.0	19.7	6 30	18 15.51	-15 35.5	2.201	3.209	2.9	18.4
7 10	18 5.51	-23 54.4	1.601	2.592	6.5	20.0	7 10	18 7.44	-15 24.3	2.223	3.206	5.6	18.6
7 20	17 57.84	-23 42.4	1.657	2.599	10.6	20.2	7 20	18 0.44	-15 17.9	2.272	3.202	8.7	18.8
7 30	17 52.62	-23 30.2	1.735	2.605	14.1	20.5	7 30	17 55.10	-15 16.3	2.345	3.199	11.5	19.0
<b>20160</b>	1996 <i>TH</i> <sub>42</sub>		6 25.8 301°87	1°4/25.6	18		<b>45114</b>	1999 <i>XY</i> <sub>81</sub>		6 25.8 272°39	1°4/25.9	18	
5 21	18 46.15	-24 36.4	1.349	2.219	17.2	18.2	5 21	18 46.38	-19 48.4	1.583	2.440	15.8	19.3
5 31	18 42.18	-25 3.2	1.267	2.205	13.2	17.9	5 31	18 41.76	-19 46.1	1.497	2.427	12.2	19.0
6 10	18 35.00	-25 32.9	1.205	2.191	8.6	17.6	6 10	18 34.42	-19 48.4	1.432	2.414	7.9	18.8
6 20	18 25.30	-26 1.7	1.165	2.177	3.4	17.3	6 20	18 25.02	-19 54.2	1.391	2.402	3.3	18.4
6 30	18 14.36	-26 25.9	1.149	2.163	2.8	17.2	6 30	18 14.66	-20 2.4	1.375	2.389	2.5	18.4
7 10	18 3.81	-26 43.1	1.158	2.150	8.1	17.4	7 10	18 4.65	-20 12.1	1.385	2.376	7.2	18.6
7 20	17 55.18	-26 53.1	1.189	2.137	13.2	17.7	7 20	17 56.24	-20 23.0	1.419	2.363	11.8	18.8
7 30	17 49.63	-26 57.6	1.240	2.124	17.7	17.9	7 30	17 50.40	-20 35.2	1.475	2.350	15.9	19.1
<b>91982</b>	1999 <i>VC</i> <sub>102</sub>		6 25.8 288°76	0°5/25.8	18		<b>18304</b>	1981 <i>DH</i> <sub>1</sub>		6 25.8 269°87	0°3/25.8	18	
5 21	18 42.72	-21 35.9	2.267	3.113	12.0	20.6	5 21	18 44.55	-25 0.6	2.387	3.229	11.6	18.8
5 31	18 38.21	-21 38.1	2.171	3.096	9.2	20.4	5 31	18 39.52	-24 52.9	2.288	3.211	8.9	18.6
6 10	18 31.78	-21 42.2	2.099	3.080	5.9	20.1	6 10	18 32.57	-24 44.0	2.213	3.194	5.7	18.4
6 20	18 23.93	-21 47.3	2.053	3.064	2.3	19.9	6 20	18 24.23	-24 32.7	2.165	3.176	2.2	18.1
6 30	18 15.42	-21 52.6	2.034	3.048	1.7	19.8	6 30	18 15.27	-24 18.5	2.144	3.158	1.6	18.1
7 10	18 7.16	-21 57.4	2.042	3.031	5.4	20.0	7 10	18 6.57	-24 1.5	2.152	3.140	5.3	18.3
7 20	17 59.97	-22 1.7	2.077	3.015	9.0	20.2	7 20	17 58.97	-23 42.6	2.186	3.122	8.7	18.5
7 30	17 54.56	-22 5.9	2.135	2.999	12.1	20.4	7 30	17 53.15	-23 23.3	2.245	3.103	11.8	18.6
<b>387806</b>	2004 <i>DN</i> <sub>65</sub>		6 25.8 127°67	6°9/27.1	17		<b>6256</b>	Canova		6 25.8 202°76	1°9/25.7	18	
5 21	18 42.89	-1 25.1	2.376	3.166	13.2	21.7	5 21	18 49.81	-28 9.6	2.001	2.843	13.5	20.2
5 31	18 37.92	-1 0.4	2.308	3.177	11.1	21.5	5 31	18 43.85	-28 23.2	1.917	2.839	10.4	19.9
6 10	18 31.34	-0 49.6	2.261	3.186	8.9	21.4	6 10	18 35.46	-28 34.2	1.856	2.834	6.8	19.7
6 20	18 23.69	-0 54.4	2.239	3.196	7.3	21.3	6 20	18 25.33	-28 39.8	1.820	2.829	3.1	19.5
6 30	18 15.65	-1 15.6	2.242	3.205	7.0	21.3	6 30	18 14.48	-28 38.0	1.812	2.824	2.7	19.4
7 10	18 7.96	-1 51.9	2.272	3.214	8.1	21.4	7 10	18 4.06	-28 28.3	1.832	2.817	6.3	19.6
7 20	18 1.30	-2 41.1	2.328	3.223	10.1	21.5	7 20	17 55.14	-28 12.1	1.878	2.810	10.1	19.9
7 30	17 56.21	-3 39.9	2.406	3.231	12.2	21.7	7 30	17 48.54	-27 51.9	1.946	2.803	13.4	20.1
<b>8501</b>	Wachholz		6 25.8 44°05	4°5/25.1	18		<b>434187</b>	2003 <i>AN</i> <sub>2</sub>		6 25.8 291°26	17°9/3.7	17	
5 21	18 46.52	-33 47.7	2.038	2.880	13.3	17.4	5 21	18 50.93	+14 13.4	0.970	1.751	28.6	20.1
5 31	18 41.44	-34 41.2	1.968	2.885	10.4	17.2	5 31	18 46.68	+14 8.3	0.895	1.739	26.0	19.8
6 10	18 33.96	-35 29.8	1.920	2.889	7.4	17.1	6 10	18 38.42	+13 9.3	0.831	1.727	23.0	19.6
6 20	18 24.76	-36 8.9	1.898	2.894	5.0	16.9	6 20	18 26.80	+11 2.6	0.782	1.715	20.0	19.3
6 30	18 14.85	-36 34.8	1.903	2.899	4.9	16.9	6 30	18 13.25	+7 41.5	0.751	1.703	18.1	19.2
7 10	18 5.41	-36 46.2	1.933	2.904	7.3	17.1	7 10	17 59.86	+3 13.8	0.740	1.691	18.5	19.1
7 20	17 57.47	-36 44.2	1.989	2.909	10.3	17.3	7 20	17 48.67	-1 57.8	0.752	1.680	21.2	19.2
7 30	17 51.86	-36 31.8	2.067	2.915	13.1	17.5	7 30	17 41.34	-7 23.7	0.784	1.669	25.1	19.4
<b>336732</b>	2010 <i>EA</i> <sub>14</sub>		6 25.8 277°78	4°7/25.5	17		<b>349161</b>	2007 <i>PN</i> <sub>37</sub>		6 25.8 288°90			



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>193734</b>	2001 <i>FY</i> <sub>179</sub>		6 25.8 134°95	2°2/25.4	18		<b>255019</b>	Fleurmaxwell		6 25.8 239°51	0°4/25.8	16	
5 21	18 47.98	-27 37.5	2.172	3.012	12.7	20.5	5 21	18 43.38	-21 47.8	2.646	3.483	10.8	22.2
5 31	18 42.22	-28 18.4	2.101	3.022	9.7	20.3	5 31	18 38.42	-21 47.9	2.552	3.472	8.2	22.0
6 10	18 34.30	-28 58.4	2.054	3.031	6.3	20.2	6 10	18 31.78	-21 49.2	2.481	3.460	5.2	21.8
6 20	18 24.87	-29 34.0	2.033	3.040	3.0	20.0	6 20	18 23.95	-21 51.0	2.437	3.449	2.0	21.6
6 30	18 14.85	-30 2.5	2.040	3.049	2.8	20.0	6 30	18 15.59	-21 52.5	2.422	3.436	1.5	21.5
7 10	18 5.27	-30 22.3	2.075	3.057	5.9	20.2	7 10	18 7.48	-21 53.4	2.436	3.424	4.8	21.7
7 20	17 57.05	-30 33.8	2.136	3.065	9.2	20.4	7 20	18 0.31	-21 53.9	2.477	3.411	7.9	21.9
7 30	17 50.91	-30 38.4	2.221	3.072	12.1	20.6	7 30	17 54.69	-21 54.3	2.542	3.398	10.7	22.1
<b>64688</b>	2001 <i>XC</i> <sub>77</sub>		6 25.8 164°86	2°3/26.1	18		<b>470713</b>	2008 <i>TA</i> <sub>189</sub>		6 25.8 252°18	5°4/25.6	18	
5 21	18 43.07	-15 20.9	2.385	3.219	11.9	19.6	5 21	18 44.89	-11 21.7	1.977	2.809	14.1	21.8
5 31	18 38.20	-15 22.9	2.306	3.221	9.2	19.5	5 31	18 39.94	-10 25.4	1.891	2.799	11.3	21.6
6 10	18 31.62	-15 30.8	2.249	3.223	6.2	19.3	6 10	18 32.92	-9 35.6	1.827	2.788	8.3	21.4
6 20	18 23.85	-15 44.3	2.219	3.225	3.2	19.1	6 20	18 24.41	-8 54.8	1.787	2.778	5.8	21.2
6 30	18 15.60	-16 2.8	2.217	3.226	2.7	19.1	6 30	18 15.26	-8 25.3	1.774	2.767	5.7	21.2
7 10	18 7.67	-16 25.2	2.243	3.227	5.4	19.2	7 10	18 6.44	-8 8.5	1.788	2.756	8.0	21.3
7 20	18 0.77	-16 50.6	2.296	3.229	8.5	19.4	7 20	17 58.85	-8 4.2	1.826	2.745	11.1	21.5
7 30	17 55.51	-17 18.1	2.373	3.229	11.3	19.6	7 30	17 53.21	-8 11.4	1.887	2.734	14.2	21.7
<b>478001</b>	2011 <i>SN</i> <sub>139</sub>		6 25.8 220°59	2°3/25.5	18		<b>337686</b>	2001 <i>TE</i> <sub>232</sub>		6 25.8 263°35	16°2/25.9	17	
5 21	18 45.89	-29 54.9	2.544	3.379	11.2	22.7	5 21	19 6.42	-54 3.8	1.235	2.039	22.3	20.8
5 31	18 40.48	-30 17.5	2.455	3.372	8.6	22.5	5 31	19 0.30	-55 31.2	1.169	2.029	20.1	20.6
6 10	18 33.15	-30 37.4	2.390	3.365	5.7	22.3	6 10	18 47.91	-56 33.9	1.118	2.019	17.9	20.4
6 20	18 24.46	-30 52.0	2.351	3.357	3.0	22.1	6 20	18 30.45	-56 55.8	1.084	2.008	16.5	20.3
6 30	18 15.18	-30 59.5	2.341	3.349	2.8	22.1	6 30	18 10.88	-56 24.5	1.069	1.997	16.4	20.2
7 10	18 6.19	-30 59.1	2.359	3.340	5.5	22.2	7 10	17 53.08	-54 59.2	1.073	1.986	17.7	20.3
7 20	17 58.32	-30 51.5	2.404	3.331	8.4	22.4	7 20	17 40.02	-52 50.7	1.096	1.975	20.0	20.4
7 30	17 52.25	-30 38.5	2.473	3.322	11.2	22.6	7 30	17 33.09	-50 16.0	1.136	1.963	22.7	20.5
<b>251546</b>	2009 <i>BR</i> <sub>147</sub>		6 25.8 33°51	2°0/25.8	17		<b>91811</b>	1999 <i>TL</i> <sub>252</sub>		6 25.8 255°32	1°1/25.6	18	
5 21	18 47.34	-27 51.8	1.111	1.991	19.3	20.1	5 21	18 44.14	-24 53.1	2.495	3.336	11.2	19.2
5 31	18 43.14	-27 52.0	1.059	2.002	14.7	19.9	5 31	18 39.21	-25 29.8	2.403	3.325	8.6	19.0
6 10	18 35.47	-27 48.3	1.026	2.013	9.5	19.6	6 10	18 32.41	-26 8.0	2.334	3.314	5.5	18.8
6 20	18 25.39	-27 37.4	1.014	2.025	4.0	19.3	6 20	18 24.22	-26 45.3	2.292	3.303	2.3	18.6
6 30	18 14.58	-27 17.8	1.025	2.038	3.2	19.3	6 30	18 15.38	-27 19.2	2.279	3.291	2.0	18.5
7 10	18 4.86	-26 50.5	1.058	2.052	8.4	19.7	7 10	18 6.74	-27 48.1	2.294	3.280	5.2	18.7
7 20	17 57.64	-26 19.0	1.114	2.066	13.4	20.0	7 20	17 59.11	-28 11.5	2.336	3.268	8.4	18.9
7 30	17 53.80	-25 47.0	1.188	2.081	17.7	20.3	7 30	17 53.17	-28 29.6	2.403	3.257	11.3	19.1
<b>198249</b>	2004 <i>TA</i> <sub>216</sub>		6 25.8 322°05	0°9/25.8	18		<b>428107</b>	2006 <i>RO</i> <sub>6</sub>		6 25.8 261°27	9°1/24.5	18	
5 21	18 44.27	-25 16.9	1.498	2.365	15.9	19.9	5 21	18 56.19	-43 58.5	1.821	2.637	15.7	21.8
5 31	18 40.38	-25 22.2	1.415	2.352	12.2	19.6	5 31	18 50.02	-45 8.9	1.730	2.616	13.3	21.6
6 10	18 33.65	-25 27.2	1.353	2.339	7.9	19.4	6 10	18 40.18	-46 8.3	1.659	2.594	10.9	21.4
6 20	18 24.78	-25 29.7	1.314	2.326	3.1	19.0	6 20	18 27.37	-46 47.8	1.611	2.572	9.3	21.2
6 30	18 14.93	-25 27.8	1.300	2.314	2.4	19.0	6 30	18 13.03	-47 0.2	1.587	2.549	9.4	21.2
7 10	18 5.52	-25 20.9	1.311	2.303	7.3	19.2	7 10	17 59.05	-46 43.0	1.588	2.525	11.3	21.2
7 20	17 57.84	-25 10.1	1.345	2.292	12.0	19.5	7 20	17 47.23	-45 59.3	1.612	2.501	14.1	21.3
7 30	17 52.88	-24 57.3	1.399	2.282	16.1	19.7	7 30	17 38.91	-44 56.3	1.657	2.477	17.0	21.5
<b>123958</b>	2001 <i>FC</i> <sub>12</sub>		6 25.8 234°07	19°0/26.3	18		<b>263414</b>	2008 <i>DE</i> <sub>42</sub>		6 25.8 286°12	4°5/25.7	18	
5 21	18 47.20	+12 37.4	1.288	2.052	23.6	19.8	5 21	18 47.43	-35 44.3	2.110	2.947	13.1	21.0
5 31	18 42.70	+14 39.7	1.227	2.045	21.8	19.7	5 31	18 42.14	-36 4.8	2.025	2.938	10.4	20.8
6 10	18 35.18	+16 11.5	1.181	2.037	20.3	19.5	6 10	18 34.43	-36 17.7	1.963	2.929	7.4	20.6
6 20	18 25.38	+17 2.0	1.150	2.029	19.2	19.4	6 20	18 25.00	-36 19.3	1.925	2.920	5.0	20.5
6 30	18 14.50	+17 3.4	1.137	2.020	19.1	19.4	6 30	18 14.85	-36 7.1	1.914	2.911	4.8	20.4
7 10	18 4.05	+16 14.4	1.140	2.011	20.0	19.4	7 10	18 5.17	-35 41.2	1.929	2.902	7.1	20.6
7 20	17 55.40	+14 40.0	1.161	2.001	21.6	19.5	7 20	17 57.00	-35 3.7	1.970	2.894	10.2	20.7
7 30	17 49.64	+12 30.1	1.196	1.991	23.6	19.6	7 30	17 51.15	-34 18.5	2.034	2.885	13.1	20.9
<b>54710</b>	2001 <i>HT</i> <sub>20</sub>		6 25.8 358°42	2°3/25.6	18		<b>356631</b>	2011 <i>UH</i> <sub>34</sub>		6 25.8 246°75	0°3/25.8	18	
5 21	18 41.35	-26 12.7	1.082	1.973	18.9	18.3	5 21	18 44.44	-23 54.1	2.212	3.057	12.3	21.8
5 31	18 38.94	-26 41.7	1.020	1.969	14.5	18.0	5 31	18 39.52	-23 58.9	2.127	3.051	9.4	21.6
6 10	18 33.07	-27 11.5	0.976	1.966	9.4	17.7	6 10	18 32.61	-24 4.0	2.065	3.046	6.0	21.4
6 20	18 24.62	-27 37.8	0.952	1.964	4.1	17.4	6 20	18 24.29	-24 8.1	2.029	3.040	2.2	21.1
6 30	18 15.08	-27 56.3	0.951	1.964	3.5	17.4	6 30	18 15.37	-24 10.1	2.021	3.035	1.7	21.0
7 10	18 6.27	-28 5.1	0.971	1.965	8.8	17.7	7 10	18 6.80	-24 9.4	2.040	3.029	5.4	21.3
7 20	17 59.75	-28 5.1	1.011	1.968	14.0	18.0	7 20	17 59.43	-24 6.5	2.086	3.023	9.0	21.5
7 30	17 56.61	-27 58.7	1.070	1.972	18.5	18.3	7 30	17 53.94	-24 2.4	2.155	3.017	12.1	21.7
<b>466291</b>	2013 <i>PK</i> <sub>49</sub>		6 25.8 341°62	6°2/26.2	17		<b>360665</b>	2004 <i>RY</i> <sub>148</sub>		6 25.8 317°19	4°5/25.9	17	
5 21	18 41.72	-11 48.2	1.220	2.089	18.8	21.2	5 21	18 42.61	-16 1.1	1.130	2.009	19.2	20.7
5 31	18 38.63	-11 10.4	1.150	2.080	15.0	20.9	5 31	18 39.78	-15 29.5	1.051	1.990	15.1	20.3
6 10	18 32.62	-10 45.0	1.098	2.073	10.8	20.7	6 10	18 33.65	-15 5.9	0.989	1.972	10.4	20.0
6 20	18 24.41	-10 35.0	1.067	2.066	7.1	20.4	6 20	18 24.91	-14 52.4	0.947	1.954	5.7	19.7
6 30	18 15.23	-10 42.1	1.058	2.060	6.6	20.4	6 30	18 14.84	-14 50.2	0.927	1.937	5.1	19.6
7 10	18 6.56	-11 5.6	1.071	2.055	9.9	20.6	7 10	18 5.14	-14 59.6	0.929	1.921	9.7	19.8
7 20	17 59.73	-11 43.2	1.106	2.051	14.2	20.8	7 20	17 57.39	-15 19.6	0.952	1.905	15.1	20.0
7 30	17 55.74	-12 30.9	1.159	2.048	18.3	21.0	7 30	17 52.86	-15 48.4	0.993	1.890	19.9	20.3
<b>328170</b>	2008 <i>CL</i> <sub>210</sub>		6 25.8 168°39	1°1/25.9	17		<b>93386&lt;/</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>336253</b>	2008 SW <sub>137</sub>		6 25.8 324°67	10°1/23.5	17		<b>393090</b>	2013 AC <sub>109</sub>		6 25.8 351°10	2°9/26.2	16	
5 21	18 49.33	-42 9.5	1.528	2.369	17.0	19.5	5 21	18 41.47	-15 7.2	1.785	2.637	14.5	20.9
5 31	18 45.18	-43 52.5	1.454	2.357	14.3	19.3	5 31	18 37.61	-15 10.1	1.708	2.633	11.2	20.7
6 10	18 37.28	-45 26.1	1.400	2.344	11.8	19.1	6 10	18 31.57	-15 21.4	1.652	2.630	7.6	20.4
6 20	18 26.32	-46 40.3	1.368	2.333	10.2	19.0	6 20	18 23.96	-15 40.8	1.621	2.627	4.0	20.2
6 30	18 13.79	-47 26.2	1.358	2.321	10.5	19.0	6 30	18 15.68	-16 7.5	1.615	2.624	3.3	20.2
7 10	18 1.67	-47 40.4	1.372	2.311	12.6	19.1	7 10	18 7.76	-16 39.9	1.635	2.622	6.7	20.4
7 20	17 51.84	-47 25.2	1.406	2.301	15.4	19.2	7 20	18 1.17	-17 16.1	1.679	2.621	10.4	20.6
7 30	17 45.70	-46 47.2	1.459	2.291	18.3	19.4	7 30	17 56.66	-17 54.4	1.746	2.620	13.8	20.8
<b>336658</b>	2009 XN <sub>19</sub>		6 25.8 178°21	1°2/25.9	18		<b>300730</b>	2007 VF <sub>142</sub>		6 25.8 188°77	1°2/25.9	18	
5 21	18 46.30	-19 3.6	2.167	3.005	12.8	21.2	5 21	18 44.32	-19 45.5	2.114	2.959	12.8	21.1
5 31	18 40.87	-19 13.4	2.087	3.007	9.8	21.0	5 31	18 39.43	-19 45.8	2.035	2.958	9.8	20.9
6 10	18 33.44	-19 27.5	2.030	3.008	6.3	20.8	6 10	18 32.56	-19 49.4	1.978	2.958	6.3	20.7
6 20	18 24.60	-19 44.6	1.999	3.009	2.6	20.6	6 20	18 24.29	-19 55.5	1.947	2.958	2.6	20.5
6 30	18 15.17	-20 3.4	1.996	3.009	2.0	20.5	6 30	18 15.46	-20 3.2	1.944	2.957	2.0	20.4
7 10	18 6.10	-20 22.8	2.021	3.008	5.6	20.8	7 10	18 7.01	-20 12.0	1.968	2.957	5.6	20.7
7 20	17 58.24	-20 42.1	2.072	3.008	9.1	21.0	7 20	17 59.77	-20 21.5	2.018	2.956	9.2	20.9
7 30	17 52.29	-21 1.3	2.148	3.006	12.2	21.2	7 30	17 54.43	-20 31.8	2.092	2.955	12.3	21.1
<b>489704</b>	2007 VY <sub>158</sub>		6 25.8 215°59	1°3/25.9	17		<b>282270</b>	2002 NP <sub>25</sub>		6 25.8 311°87	0°5/25.8	18	
5 21	18 48.21	-19 29.0	1.653	2.504	15.5	22.4	5 21	18 44.31	-23 37.9	1.625	2.487	15.2	19.9
5 31	18 42.98	-19 35.3	1.572	2.499	11.9	22.2	5 31	18 40.37	-23 18.3	1.523	2.456	11.7	19.6
6 10	18 35.12	-19 46.7	1.513	2.494	7.7	21.9	6 10	18 33.70	-22 57.6	1.441	2.425	7.6	19.3
6 20	18 25.31	-20 1.9	1.478	2.489	3.2	21.6	6 20	18 24.89	-22 34.7	1.383	2.395	2.9	18.9
6 30	18 14.63	-20 19.1	1.470	2.483	2.4	21.6	6 30	18 14.95	-22 9.4	1.350	2.365	2.2	18.8
7 10	18 4.38	-20 37.0	1.487	2.477	6.9	21.8	7 10	18 5.22	-21 42.4	1.343	2.335	7.2	19.0
7 20	17 55.72	-20 55.0	1.530	2.471	11.3	22.1	7 20	17 56.96	-21 15.5	1.360	2.305	12.0	19.2
7 30	17 49.57	-21 13.1	1.594	2.464	15.2	22.3	7 30	17 51.24	-20 50.9	1.397	2.277	16.3	19.4
<b>334393</b>	2002 CP <sub>145</sub>		6 25.8 103°69	6°4/25.9	16		<b>111817</b>	2002 DF		6 25.8 145°31	5°6/26.6	18	
5 21	18 51.23	-43 56.6	2.485	3.289	12.4	20.7	5 21	18 41.52	-6 7.9	2.334	3.147	12.8	19.8
5 31	18 44.66	-44 27.5	2.422	3.302	10.2	20.6	5 31	18 37.04	-5 45.2	2.257	3.148	10.4	19.6
6 10	18 35.81	-44 46.5	2.380	3.314	8.1	20.5	6 10	18 30.92	-5 33.6	2.202	3.149	8.0	19.5
6 20	18 25.44	-44 49.5	2.364	3.327	6.6	20.4	6 20	18 23.66	-5 34.5	2.172	3.150	6.1	19.4
6 30	18 14.61	-44 34.4	2.374	3.339	6.5	20.4	6 30	18 15.94	-5 48.6	2.168	3.151	5.7	19.3
7 10	18 4.47	-44 1.7	2.410	3.351	7.8	20.5	7 10	18 8.53	-6 15.2	2.191	3.151	7.3	19.4
7 20	17 55.97	-43 14.5	2.472	3.363	9.7	20.6	7 20	18 2.11	-6 52.4	2.239	3.152	9.6	19.6
7 30	17 49.79	-42 17.1	2.557	3.374	11.8	20.8	7 30	17 57.26	-7 37.8	2.311	3.153	12.1	19.7
<b>338598</b>	2003 SZ <sub>165</sub>		6 25.8 300°08	2°7/25.9	18		<b>319437</b>	2006 JY <sub>79</sub>		6 25.8 28°74	1°4/25.9	17	
5 21	18 47.34	-30 48.9	1.731	2.583	14.8	20.1	5 21	18 44.56	-20 50.8	1.635	2.494	15.2	20.5
5 31	18 42.47	-30 45.0	1.640	2.567	11.5	19.8	5 31	18 40.04	-20 33.3	1.568	2.499	11.6	20.3
6 10	18 34.87	-30 34.8	1.571	2.550	7.7	19.6	6 10	18 33.12	-20 18.1	1.522	2.505	7.5	20.0
6 20	18 25.23	-30 15.5	1.526	2.534	3.8	19.3	6 20	18 24.53	-20 5.0	1.500	2.511	3.1	19.8
6 30	18 14.69	-29 45.3	1.507	2.517	3.3	19.2	6 30	18 15.34	-19 53.7	1.504	2.517	2.4	19.8
7 10	18 4.62	-29 5.1	1.514	2.501	7.1	19.4	7 10	18 6.74	-19 44.6	1.533	2.524	6.7	20.0
7 20	17 56.22	-28 17.8	1.546	2.485	11.3	19.6	7 20	17 59.76	-19 38.1	1.587	2.531	10.8	20.3
7 30	17 50.44	-27 27.5	1.599	2.470	15.1	19.8	7 30	17 55.13	-19 34.7	1.663	2.538	14.4	20.5
<b>281253</b>	2007 OV <sub>6</sub>		6 25.8 346°94	5°4/25.2	16		<b>163117</b>	2002 AK <sub>197</sub>		6 25.8 243°99	2°2/26.0	17	
5 21	18 37.92	-17 16.2	1.148	2.035	18.4	19.5	5 21	18 48.73	-17 25.6	1.705	2.550	15.4	21.2
5 31	18 35.95	-15 56.0	1.075	2.018	14.5	19.2	5 31	18 43.45	-17 25.2	1.612	2.535	11.9	21.0
6 10	18 31.00	-14 37.4	1.020	2.004	10.0	18.9	6 10	18 35.51	-17 31.2	1.541	2.519	7.9	20.7
6 20	18 23.84	-13 24.8	0.986	1.991	6.2	18.6	6 20	18 25.53	-17 43.1	1.494	2.502	3.7	20.4
6 30	18 15.71	-12 23.3	0.974	1.980	6.1	18.6	6 30	18 14.53	-17 59.8	1.473	2.485	3.0	20.3
7 10	18 8.14	-11 37.1	0.984	1.971	10.0	18.8	7 10	18 3.77	-18 20.0	1.479	2.467	7.2	20.5
7 20	18 2.45	-11 8.2	1.014	1.964	14.7	19.0	7 20	17 54.47	-18 42.7	1.510	2.448	11.7	20.8
7 30	17 59.64	-10 56.2	1.062	1.959	19.0	19.3	7 30	17 47.62	-19 7.5	1.563	2.429	15.6	21.0
<b>90547</b>	2004 FY <sub>109</sub>		6 25.8 28°11	1°6/25.7	18		<b>35724</b>	1999 FW <sub>53</sub>		6 25.8 184°90	0°8/25.9	17	
5 21	18 44.19	-26 33.7	1.664	2.525	14.9	19.3	5 21	18 50.04	-20 39.6	1.753	2.598	15.0	19.9
5 31	18 39.82	-26 49.6	1.602	2.535	11.3	19.1	5 31	18 44.20	-20 46.6	1.675	2.599	11.5	19.7
6 10	18 32.98	-27 4.4	1.561	2.545	7.3	18.9	6 10	18 35.81	-20 57.2	1.618	2.598	7.4	19.5
6 20	18 24.45	-27 15.4	1.545	2.555	3.0	18.7	6 20	18 25.57	-21 9.7	1.587	2.598	2.9	19.2
6 30	18 15.33	-27 20.5	1.554	2.567	2.5	18.7	6 30	18 14.56	-21 22.5	1.582	2.596	2.1	19.1
7 10	18 6.85	-27 19.4	1.589	2.579	6.6	19.0	7 10	18 4.02	-21 34.5	1.605	2.594	6.6	19.4
7 20	18 0.02	-27 13.0	1.648	2.591	10.5	19.2	7 20	17 55.06	-21 45.4	1.653	2.591	10.8	19.6
7 30	17 55.62	-27 3.2	1.729	2.604	13.9	19.5	7 30	17 48.55	-21 55.9	1.724	2.588	14.5	19.9
<b>276407</b>	2002 XP <sub>100</sub>		6 25.8 272°15	1°0/25.7	18		<b>379737</b>	2011 GZ <sub>58</sub>		6 25.8 45°85	7°9/25.1	18	
5 21	18 47.95	-25 6.1	1.707	2.560	15.0	21.5	5 21	18 51.73	-40 56.1	1.705	2.538	15.9	20.4
5 31	18 43.02	-25 17.5	1.611	2.540	11.5	21.3	5 31	18 46.21	-41 59.3	1.638	2.539	13.0	20.3
6 10	18 35.32	-25 29.4	1.537	2.519	7.5	21.0	6 10	18 37.43	-42 51.2	1.591	2.541	10.2	20.1
6 20	18 25.46	-25 39.1	1.487	2.498	3.0	20.7	6 20	18 26.25	-43 24.6	1.568	2.543	8.2	20.0
6 30	18 14.52	-25 44.3	1.463	2.477	2.3	20.6	6 30	18 14.09	-43 34.2	1.569	2.544	8.2	20.0
7 10	18 3.84	-25 43.8	1.466	2.455	7.0	20.8	7 10	18 2.65	-43 19.2	1.594	2.546	10.2	20.1
7 20	17 54.68	-25 38.4	1.493	2.433	11.6	21.0	7 20	17 53.37	-42 43.3	1.643	2.548	12.9	20.3
7 30	17 48.10	-25 29.9	1.542	2.411	15.6	21.2	7 30	17 47.27	-41 52.5	1.712	2.550	15.7	20.5
<b>149081</b>	2002 CK <sub>89</sub>		6 25.8 292°83	4°2/25.6	18		<b>473892</b>	2016 ES <sub>145</sub>		6 25.8 21°28	4°9/25.2	17	

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>449982</b>	2015 <i>PH</i> <sub>77</sub>		6 25.8 265°17'	4.8/26.7	18		<b>192734</b>	1999 <i>TD</i> <sub>193</sub>		6 25.8 290°27'	7.7/25.3	17	
5 21	18 42.14	— 7 36.5	2.418	3.232	12.3	21.2	5 21	18 50.97	—41 36.6	1.821	2.650	15.2	19.7
5 31	18 37.60	— 7 33.5	2.323	3.218	10.0	21.0	5 31	18 45.57	—42 27.8	1.742	2.640	12.6	19.5
6 10	18 31.36	— 7 41.4	2.251	3.205	7.5	20.8	6 10	18 37.03	—43 7.6	1.684	2.631	9.9	19.3
6 20	18 23.87	— 8 0.9	2.205	3.191	5.3	20.7	6 20	18 26.15	—43 29.6	1.648	2.622	8.0	19.1
6 30	18 15.80	— 8 32.1	2.185	3.177	4.9	20.6	6 30	18 14.24	—43 28.7	1.638	2.613	7.9	19.1
7 10	18 7.92	— 9 13.8	2.194	3.163	6.7	20.7	7 10	18 2.92	—43 4.2	1.652	2.604	9.8	19.2
7 20	18 0.94	—10 4.1	2.228	3.148	9.3	20.8	7 20	17 53.60	—42 19.4	1.690	2.596	12.6	19.4
7 30	17 55.50	—11 0.4	2.286	3.134	12.0	21.0	7 30	17 47.30	—41 20.3	1.748	2.587	15.5	19.5
<b>310675</b>	2002 <i>FH</i> <sub>31</sub>		6 25.8 64°88'	0°8/25.8	17		<b>143930</b>	2003 <i>YP</i> <sub>98</sub>		6 25.8 195°76'	1°8/25.9	17	
5 21	18 49.41	—23 56.2	1.292	2.159	18.0	20.9	5 21	18 48.34	—19 16.9	1.789	2.635	14.7	21.0
5 31	18 44.25	—24 14.1	1.240	2.176	13.6	20.6	5 31	18 42.84	—19 4.0	1.710	2.633	11.3	20.8
6 10	18 36.01	—24 33.6	1.207	2.193	8.6	20.4	6 10	18 34.92	—18 54.5	1.652	2.631	7.4	20.5
6 20	18 25.65	—24 51.3	1.198	2.210	3.3	20.1	6 20	18 25.27	—18 48.1	1.619	2.629	3.3	20.3
6 30	18 14.63	—25 4.6	1.213	2.227	2.4	20.1	6 30	18 14.90	—18 44.3	1.613	2.625	2.6	20.2
7 10	18 4.54	—25 12.3	1.252	2.244	7.6	20.5	7 10	18 4.99	—18 43.0	1.634	2.622	6.6	20.5
7 20	17 56.64	—25 15.3	1.315	2.261	12.3	20.8	7 20	17 56.59	—18 44.2	1.680	2.618	10.7	20.7
7 30	17 51.81	—25 15.4	1.398	2.279	16.3	21.1	7 30	17 50.50	—18 48.3	1.749	2.613	14.3	20.9
<b>455963</b>	2005 <i>VY</i> <sub>94</sub>		6 25.8 218°01'	0°7/25.9	17		<b>272786</b>	2005 <i>YU</i> <sub>239</sub>		6 25.8 91°38'	1°4/25.9	17	
5 21	18 49.06	—19 53.3	1.408	2.268	17.2	21.3	5 21	18 46.52	—18 59.0	1.795	2.643	14.6	21.5
5 31	18 44.11	—20 17.4	1.333	2.265	13.2	21.1	5 31	18 41.30	—19 3.6	1.730	2.656	11.1	21.3
6 10	18 36.10	—20 48.7	1.278	2.262	8.5	20.8	6 10	18 33.83	—19 13.1	1.688	2.668	7.2	21.1
6 20	18 25.80	—21 24.5	1.247	2.258	3.3	20.5	6 20	18 24.81	—19 26.2	1.670	2.681	3.0	20.9
6 30	18 14.44	—22 1.5	1.240	2.254	2.4	20.4	6 30	18 15.26	—19 41.6	1.680	2.693	2.3	20.8
7 10	18 3.56	—22 37.0	1.259	2.250	7.6	20.7	7 10	18 6.26	—19 58.1	1.716	2.705	6.2	21.1
7 20	17 54.56	—23 9.3	1.301	2.246	12.6	21.0	7 20	17 58.77	—20 15.2	1.777	2.717	10.1	21.4
7 30	17 48.48	—23 38.3	1.364	2.241	16.8	21.2	7 30	17 53.51	—20 32.7	1.861	2.729	13.4	21.6
<b>2427</b>	<i>Kobzar</i>		6 25.8 251°34'	1°6/25.9	18		<b>259665</b>	2003 <i>WW</i> <sub>138</sub>		6 25.8 241°95'	0°7/25.9	18	
5 21	18 45.21	—19 16.1	2.148	2.989	12.8	17.5	5 21	18 49.33	—22 0.9	1.878	2.721	14.2	21.3
5 31	18 40.19	—19 3.6	2.054	2.975	9.8	17.3	5 31	18 43.71	—21 52.5	1.782	2.706	10.9	21.1
6 10	18 33.13	—18 53.7	1.983	2.962	6.4	17.0	6 10	18 35.59	—21 45.1	1.709	2.689	7.1	20.8
6 20	18 24.58	—18 46.4	1.939	2.948	2.9	16.8	6 20	18 25.58	—21 37.8	1.660	2.672	2.8	20.5
6 30	18 15.35	—18 41.3	1.921	2.933	2.3	16.7	6 30	18 14.66	—21 29.6	1.640	2.654	2.0	20.4
7 10	18 6.39	—18 38.5	1.932	2.919	5.9	16.9	7 10	18 4.04	—21 20.4	1.646	2.635	6.5	20.7
7 20	17 58.60	—18 38.0	1.968	2.904	9.5	17.1	7 20	17 54.82	—21 11.1	1.679	2.615	10.8	20.9
7 30	17 52.70	—18 40.1	2.028	2.889	12.8	17.3	7 30	17 47.93	—21 3.0	1.734	2.595	14.5	21.1
<b>483506</b>	2002 <i>XU</i> <sub>66</sub>		6 25.8 319°04'	4°3/26.5	17 C		<b>52340</b>	1992 <i>SY</i>		6 25.8 106°45'	4°0/25.7	16	
5 21	18 58.50	—36 9.9	1.599	2.434	16.7	22.2	5 21	19 1.80	—33 54.7	2.070	2.885	14.1	22.5
5 31	18 52.30	—35 39.8	1.458	2.372	13.6	21.9	5 31	18 52.49	—34 33.8	2.023	2.925	10.9	22.3
6 10	18 42.09	—34 52.0	1.338	2.309	9.7	21.5	6 10	18 40.67	—35 5.0	1.999	2.963	7.5	22.2
6 20	18 28.36	—33 39.0	1.242	2.245	5.6	21.1	6 20	18 27.29	—35 23.5	2.003	2.999	4.7	22.1
6 30	18 12.40	—31 55.5	1.172	2.180	4.8	20.8	6 30	18 13.59	—35 26.6	2.036	3.034	4.4	22.1
7 10	17 56.19	—29 42.1	1.130	2.115	9.3	20.9	7 10	18 0.89	—35 14.8	2.098	3.068	6.9	22.4
7 20	17 41.80	—27 6.9	1.114	2.049	15.1	21.0	7 20	17 50.21	—34 51.4	2.187	3.099	9.9	22.6
7 30	17 30.93	—24 23.2	1.121	1.983	20.7	21.2	7 30	17 42.23	—34 20.6	2.300	3.130	12.5	22.8
<b>500855</b>	2013 <i>HS</i> <sub>140</sub>		6 25.8 165°00'	3°7/26.1	17		<b>76066</b>	2000 <i>DC</i> <sub>75</sub>		6 25.8 295°78'	1°0/25.8	18	
5 21	18 49.25	—15 11.7	1.565	2.411	16.5	22.4	5 21	18 45.11	—25 46.9	1.877	2.730	13.8	18.8
5 31	18 43.71	—14 49.8	1.494	2.415	12.8	22.1	5 31	18 40.53	—25 52.5	1.788	2.717	10.6	18.6
6 10	18 35.54	—14 35.4	1.443	2.418	8.7	21.9	6 10	18 33.54	—25 57.3	1.721	2.703	6.8	18.3
6 20	18 25.49	—14 29.1	1.417	2.421	4.8	21.7	6 20	18 24.79	—25 59.3	1.679	2.690	2.7	18.1
6 30	18 14.72	—14 31.2	1.416	2.424	4.2	21.7	6 30	18 15.24	—25 56.8	1.663	2.677	2.1	18.0
7 10	18 4.51	—14 41.0	1.441	2.425	7.8	21.9	7 10	18 6.04	—25 49.5	1.674	2.664	6.3	18.2
7 20	17 56.00	—14 57.8	1.491	2.427	11.9	22.1	7 20	17 58.25	—25 38.2	1.710	2.651	10.3	18.4
7 30	17 50.05	—15 20.1	1.561	2.427	15.6	22.3	7 30	17 52.71	—25 24.6	1.769	2.638	13.9	18.6
<b>239824</b>	1998 <i>SE</i> <sub>51</sub>		6 25.8 298°71'	0°1/25.8	17		<b>92695</b>	2000 <i>QB</i> <sub>78</sub>		6 25.8 185°20'	6°3/26.7	18	
5 21	18 44.68	—23 1.4	1.829	2.684	14.1	20.8	5 21	18 44.90	— 5 29.1	2.112	2.922	14.1	20.3
5 31	18 40.17	—23 4.2	1.744	2.674	10.8	20.5	5 31	18 39.80	— 5 4.9	2.034	2.922	11.5	20.1
6 10	18 33.28	—23 8.5	1.681	2.664	6.9	20.3	6 10	18 32.79	— 4 53.4	1.977	2.921	8.9	19.9
6 20	18 24.67	—23 12.6	1.643	2.655	2.6	20.0	6 20	18 24.44	— 4 56.2	1.944	2.921	6.8	19.8
6 30	18 15.28	—23 15.3	1.631	2.645	1.9	19.9	6 30	18 15.54	— 5 14.1	1.938	2.919	6.4	19.8
7 10	18 6.27	—23 16.0	1.645	2.636	6.3	20.2	7 10	18 6.97	— 5 46.2	1.958	2.918	8.1	19.9
7 20	17 58.66	—23 15.0	1.685	2.627	10.4	20.4	7 20	17 59.53	— 6 30.4	2.004	2.916	10.6	20.0
7 30	17 53.30	—23 13.3	1.746	2.618	14.0	20.6	7 30	17 53.90	— 7 23.6	2.072	2.913	13.3	20.2
<b>415059</b>	2012 <i>BP</i> <sub>22</sub>		6 25.8 180°17'	4°4/26.4	17		<b>513903</b>	2013 <i>YP</i> <sub>14</sub>		6 25.8 251°23'	2°6/26.4	18	
5 21	18 47.42	—12 6.9	1.601	2.442	16.4	21.2	5 21	18 46.47	—13 53.1	2.038	2.870	13.7	21.2
5 31	18 42.33	—12 2.2	1.526	2.443	12.9	21.0	5 31	18 41.34	—14 18.0	1.941	2.855	10.7	21.0
6 10	18 34.69	—12 9.1	1.473	2.443	9.0	20.8	6 10	18 34.01	—14 53.0	1.867	2.839	7.3	20.8
6 20	18 25.20	—12 28.0	1.443	2.444	5.4	20.6	6 20	18 24.99	—15 37.3	1.818	2.823	3.8	20.5
6 30	18 14.93	—12 58.2	1.439	2.443	4.7	20.5	6 30	18 15.11	—16 29.0	1.797	2.807	3.0	20.4
7 10	18 5.11	—13 37.8	1.460	2.443	7.9	20.7	7 10	18 5.38	—17 25.5	1.804	2.790	6.3	20.6
7 20	17 56.87	—14 24.0	1.506	2.442	11.8	20.9	7 20	17 56.78	—18 24.0	1.838	2.773	10.1	20.8
7 30	17 51.06	—15 14.4	1.574	2.441	15.5	21.2	7 30	17 50.15	—19 22.7	1.895	2.755	13.6	

EPHEMERIDES

6 25.8

6 25.8

2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>210663</b>	2000 <i>QS</i> <sub>66</sub>		6 25.8 289°36	4.6/26.3	18		<b>510376</b>	2011 <i>UO</i> <sub>30</sub>		6 25.8 179°51	4.3/25.9	18	
5 21	18 45.55	-12 58.4	1.408	2.263	17.5	20.7	5 21	18 42.67	-9 41.2	2.787	3.599	10.9	22.1
5 31	18 41.59	-12 50.5	1.315	2.240	13.9	20.4	5 31	18 37.66	-9 1.2	2.705	3.600	8.8	21.9
6 10	18 34.68	-12 54.8	1.242	2.217	9.8	20.1	6 10	18 31.23	-8 27.6	2.648	3.601	6.5	21.8
6 20	18 25.38	-13 12.5	1.190	2.194	5.8	19.8	6 20	18 23.84	-8 1.9	2.617	3.601	4.7	21.7
6 30	18 14.78	-13 43.7	1.163	2.170	5.0	19.7	6 30	18 16.07	-7 45.2	2.614	3.601	4.5	21.7
7 10	18 4.32	-14 26.5	1.160	2.147	8.9	19.9	7 10	18 8.59	-7 37.9	2.639	3.601	6.1	21.8
7 20	17 55.42	-15 18.1	1.180	2.124	13.7	20.1	7 20	18 1.97	-7 39.4	2.690	3.600	8.3	21.9
7 30	17 49.27	-16 15.5	1.220	2.101	18.2	20.3	7 30	17 56.72	-7 49.1	2.766	3.599	10.6	22.1
<b>198401</b>	2004 <i>VB</i> <sub>53</sub>		6 25.8 255°29	1.4/25.9	17		<b>190623</b>	2000 <i>WD</i> <sub>58</sub>		6 25.8 269°55	0.5/25.8	18	
5 21	18 45.52	-19 22.7	1.948	2.794	13.7	20.7	5 21	18 47.59	-23 18.3	2.044	2.887	13.2	21.1
5 31	18 40.65	-19 20.2	1.859	2.783	10.5	20.4	5 31	18 42.41	-23 40.1	1.937	2.861	10.2	20.9
6 10	18 33.55	-19 21.5	1.792	2.772	6.8	20.2	6 10	18 34.83	-24 4.5	1.854	2.834	6.6	20.6
6 20	18 24.79	-19 25.9	1.750	2.760	2.9	19.9	6 20	18 25.37	-24 29.2	1.796	2.807	2.5	20.3
6 30	18 15.29	-19 32.7	1.735	2.748	2.3	19.8	6 30	18 14.89	-24 51.9	1.765	2.779	1.9	20.2
7 10	18 6.09	-19 41.1	1.748	2.736	6.2	20.1	7 10	18 4.50	-25 10.7	1.763	2.751	6.2	20.4
7 20	17 58.18	-19 50.9	1.786	2.724	10.1	20.3	7 20	17 55.30	-25 25.3	1.786	2.722	10.3	20.6
7 30	17 52.35	-20 2.0	1.846	2.712	13.6	20.5	7 30	17 48.22	-25 36.3	1.833	2.693	13.9	20.8
<b>119911</b>	2002 <i>EN</i> <sub>31</sub>		6 25.8 252°32	5.0/26.3	18		<b>382920</b>	2004 <i>RO</i> <sub>249</sub>		6 25.8 248°54	2.6/25.7	17	
5 21	18 41.66	-8 26.0	2.349	3.169	12.5	20.0	5 21	18 49.21	-30 22.9	2.070	2.910	13.2	22.0
5 31	18 37.21	-7 59.3	2.267	3.165	10.1	19.8	5 31	18 43.56	-30 36.9	1.975	2.895	10.3	21.7
6 10	18 31.09	-7 41.8	2.207	3.161	7.5	19.7	6 10	18 35.47	-30 46.9	1.903	2.879	6.9	21.5
6 20	18 23.80	-7 35.0	2.172	3.157	5.5	19.5	6 20	18 25.55	-30 49.9	1.856	2.862	3.5	21.3
6 30	18 16.03	-7 39.6	2.164	3.153	5.2	19.5	6 30	18 14.80	-30 43.4	1.837	2.845	3.2	21.2
7 10	18 8.54	-7 55.4	2.182	3.148	6.9	19.6	7 10	18 4.39	-30 27.1	1.845	2.828	6.5	21.4
7 20	18 2.03	-8 21.0	2.227	3.144	9.5	19.8	7 20	17 55.38	-30 2.5	1.879	2.810	10.2	21.6
7 30	17 57.10	-8 54.7	2.294	3.140	12.0	19.9	7 30	17 48.65	-29 32.6	1.936	2.792	13.5	21.7
<b>87925</b>	2000 <i>SG</i> <sub>319</sub>		6 25.8 299°92	1.0/25.9	18		<b>390491</b>	2014 <i>AT</i> <sub>33</sub>		6 25.8 239°04	0.4/25.9	17	
5 21	18 47.99	-28 0.1	1.624	2.480	15.4	17.5	5 21	18 46.65	-21 51.7	2.045	2.889	13.2	22.2
5 31	18 43.11	-27 31.3	1.531	2.461	11.9	17.2	5 31	18 41.45	-21 55.5	1.954	2.878	10.1	22.0
6 10	18 35.39	-26 56.3	1.460	2.442	7.8	16.9	6 10	18 34.04	-22 1.4	1.886	2.867	6.5	21.8
6 20	18 25.55	-26 13.5	1.412	2.424	3.1	16.6	6 20	18 25.00	-22 8.0	1.844	2.855	2.5	21.5
6 30	18 14.77	-25 22.7	1.391	2.405	2.3	16.5	6 30	18 15.21	-22 14.0	1.829	2.843	1.8	21.4
7 10	18 4.45	-24 26.1	1.395	2.386	7.1	16.7	7 10	18 5.73	-22 18.8	1.841	2.830	5.9	21.7
7 20	17 55.85	-23 27.5	1.425	2.368	11.8	17.0	7 20	17 57.51	-22 22.5	1.880	2.817	9.8	21.9
7 30	17 49.96	-22 30.9	1.475	2.350	15.9	17.2	7 30	17 51.35	-22 25.7	1.942	2.804	13.2	22.0
<b>371598</b>	2006 <i>WF</i> <sub>125</sub>		6 25.8 135°06	0.2/25.9	17		<b>371457</b>	2006 <i>SG</i> <sub>348</sub>		6 25.8 172°69	1.7/25.7	17	
5 21	18 49.12	-21 52.1	1.971	2.812	13.7	21.6	5 21	18 50.11	-27 6.2	1.930	2.773	13.9	22.2
5 31	18 43.15	-22 5.0	1.902	2.824	10.4	21.4	5 31	18 44.15	-27 26.0	1.853	2.776	10.6	22.0
6 10	18 34.97	-22 20.3	1.856	2.837	6.6	21.2	6 10	18 35.76	-27 44.3	1.799	2.778	6.9	21.8
6 20	18 25.28	-22 35.9	1.837	2.848	2.5	21.0	6 20	18 25.63	-27 58.1	1.770	2.780	3.0	21.6
6 30	18 15.03	-22 50.2	1.845	2.859	1.8	20.9	6 30	18 14.80	-28 5.3	1.769	2.781	2.5	21.5
7 10	18 5.32	-23 2.3	1.881	2.869	5.8	21.2	7 10	18 4.47	-28 4.9	1.796	2.782	6.3	21.8
7 20	17 57.08	-23 12.0	1.943	2.879	9.6	21.5	7 20	17 55.69	-27 58.1	1.848	2.782	10.1	22.0
7 30	17 51.00	-23 20.2	2.028	2.888	12.8	21.7	7 30	17 49.27	-27 47.0	1.923	2.782	13.5	22.2
<b>321376</b>	2009 <i>OZ</i> <sub>9</sub>		6 25.8 283°40	4.1/26.1	18		<b>496048</b>	2008 <i>XU</i>		6 25.8 283°60	3.3/25.6	17	
5 21	18 41.38	-11 29.2	2.399	3.227	12.0	20.7	5 21	18 45.68	-17 33.5	1.830	2.677	14.4	20.8
5 31	18 37.05	-11 2.8	2.307	3.214	9.6	20.5	5 31	18 40.85	-16 43.1	1.740	2.662	11.2	20.5
6 10	18 31.03	-10 43.4	2.237	3.200	6.9	20.3	6 10	18 33.70	-15 54.5	1.672	2.648	7.6	20.3
6 20	18 23.81	-10 32.0	2.193	3.187	4.6	20.1	6 20	18 24.88	-15 9.4	1.629	2.634	4.2	20.0
6 30	18 16.05	-10 29.5	2.176	3.173	4.3	20.1	6 30	18 15.32	-14 29.6	1.612	2.619	3.9	20.0
7 10	18 8.51	-10 35.8	2.186	3.160	6.4	20.2	7 10	18 6.11	-13 56.9	1.622	2.605	7.3	20.2
7 20	18 1.91	-10 50.4	2.222	3.146	9.2	20.3	7 20	17 58.27	-13 32.5	1.657	2.591	11.1	20.4
7 30	17 56.87	-11 12.0	2.282	3.133	11.9	20.5	7 30	17 52.60	-13 17.2	1.714	2.576	14.7	20.5
<b>396118</b>	2013 <i>CM</i> <sub>177</sub>		6 25.8 220°64	2.0/26.1	18		<b>142203</b>	2002 <i>RJ</i> <sub>58</sub>		6 25.8 189°91	1.2/25.9	17	
5 21	18 43.35	-16 34.0	2.452	3.286	11.6	21.8	5 21	18 48.64	-20 22.8	2.037	2.876	13.4	21.0
5 31	18 38.50	-16 33.7	2.364	3.280	8.9	21.7	5 31	18 42.82	-20 14.4	1.955	2.875	10.3	20.8
6 10	18 31.93	-16 38.3	2.300	3.274	5.9	21.5	6 10	18 34.81	-20 8.2	1.895	2.874	6.6	20.6
6 20	18 24.14	-16 47.4	2.262	3.268	3.0	21.2	6 20	18 25.26	-20 3.6	1.861	2.872	2.7	20.3
6 30	18 15.82	-17 0.6	2.252	3.262	2.4	21.2	6 30	18 15.07	-20 0.0	1.856	2.869	2.1	20.3
7 10	18 7.77	-17 17.0	2.270	3.255	5.3	21.4	7 10	18 5.30	-19 57.1	1.878	2.865	6.0	20.5
7 20	18 0.70	-17 36.0	2.315	3.248	8.4	21.6	7 20	17 56.87	-19 55.3	1.926	2.861	9.7	20.7
7 30	17 55.23	-17 57.0	2.384	3.241	11.2	21.7	7 30	17 50.52	-19 55.2	1.998	2.856	13.0	20.9
<b>49715</b>	1999 <i>VZ</i> <sub>34</sub>		6 25.8 13°46	2.1/25.6	18		<b>126100</b>	2001 <i>YQ</i> <sub>105</sub>		6 25.8 235°80	1.1/25.9	18	
5 21	18 47.31	-25 3.9	1.102	1.983	19.4	17.4	5 21	18 46.04	-20 33.2	1.748	2.601	14.7	20.3
5 31	18 43.50	-25 44.7	1.041	1.984	14.9	17.1	5 31	18 41.18	-20 29.8	1.672	2.600	11.3	20.1
6 10	18 36.06	-26 28.6	0.998	1.986	9.6	16.8	6 10	18 33.93	-20 29.6	1.617	2.599	7.2	19.8
6 20	18 25.89	-27 10.3	0.977	1.988	4.0	16.5	6 20	18 24.96	-20 31.7	1.587	2.598	2.9	19.6
6 30	18 14.56	-27 44.4	0.977	1.991	3.4	16.5	6 30	18 15.28	-20 35.0	1.583	2.596	2.2	19.5
7 10	18 4.01	-28 7.9	1.001	1.994	8.9	16.8	7 10	18 6.08	-20 39.1	1.605	2.595	6.5	19.8
7 20	17 55.87	-28 21.0	1.046	1.997	14.2	17.1	7 20	17 58.37	-20 43.8	1.653	2.594	10.6	20.0
7 30	17 51.29	-28 26.2	1.109	2.001	18.7	17.4	7 30	17 52.97	-20 49.7	1.722	2.593	14.2	20.3
<b>19092</b>	1												

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6 25.8

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>200271</b>	1999 XA <sub>125</sub>	6 25.8 188°69	0°8/25.8 18				<b>504031</b>	2005 UG <sub>152</sub>	6 25.8 205°60	1°2/25.9 17			
5 21	18 47.49	-22 47.5	2.168	3.008	12.7	20.4	5 21	18 47.53	-19 50.9	2.340	3.173	12.1	23.6
5 31	18 41.78	-22 18.7	2.086	3.007	9.7	20.2	5 31	18 41.77	-19 43.4	2.250	3.167	9.3	23.4
6 10	18 34.05	-21 49.1	2.027	3.006	6.2	20.0	6 10	18 34.06	-19 38.1	2.183	3.160	6.0	23.2
6 20	18 24.94	-21 18.4	1.994	3.005	2.4	19.8	6 20	18 24.98	-19 34.5	2.143	3.153	2.6	22.9
6 30	18 15.32	-20 47.1	1.990	3.004	1.8	19.7	6 30	18 15.31	-19 32.2	2.132	3.145	2.0	22.9
7 10	18 6.15	-20 16.2	2.014	3.002	5.6	20.0	7 10	18 5.94	-19 30.8	2.149	3.136	5.4	23.1
7 20	17 58.29	-19 47.2	2.065	3.000	9.2	20.2	7 20	17 57.70	-19 30.6	2.194	3.126	8.9	23.3
7 30	17 52.38	-19 21.5	2.139	2.997	12.3	20.4	7 30	17 51.27	-19 31.9	2.263	3.116	11.9	23.5
<b>259220</b>	2003 BA <sub>19</sub>	6 25.8 101°16	5°9/26.1 16				<b>181244</b>	2005 UH <sub>48</sub>	6 25.9 333°04	7°9/25.8 18			
5 21	18 51.33	-41 16.0	2.225	3.042	13.2	20.8	5 21	18 41.19	-3 49.2	2.025	2.838	14.4	19.3
5 31	18 44.94	-41 34.1	2.156	3.050	10.7	20.7	5 31	18 37.11	-2 42.6	1.947	2.832	12.1	19.1
6 10	18 36.14	-41 40.7	2.109	3.057	8.2	20.5	6 10	18 31.16	-1 47.9	1.892	2.826	9.8	19.0
6 20	18 25.72	-41 31.6	2.086	3.064	6.3	20.4	6 20	18 23.90	-1 8.9	1.859	2.821	8.2	18.9
6 30	18 14.80	-41 4.9	2.090	3.072	6.0	20.4	6 30	18 16.09	-0 48.1	1.851	2.816	8.1	18.9
7 10	18 4.61	-40 21.5	2.121	3.079	7.7	20.5	7 10	18 8.60	-0 46.5	1.868	2.811	9.5	18.9
7 20	17 56.14	-39 24.8	2.178	3.086	10.1	20.7	7 20	18 2.23	-1 2.8	1.909	2.806	11.8	19.1
7 30	17 50.12	-38 19.8	2.257	3.093	12.5	20.9	7 30	17 57.63	-1 34.3	1.971	2.802	14.2	19.2
<b>350242</b>	2012 TX <sub>71</sub>	6 25.8 253°21	0°4/25.8 18				<b>191039</b>	2002 CV <sub>24</sub>	6 25.9 48°37	8°7/26.9 18			
5 21	18 46.14	-24 12.1	1.996	2.843	13.3	21.6	5 21	18 43.47	-3 29.5	1.595	2.419	17.2	19.2
5 31	18 41.13	-24 17.1	1.908	2.834	10.2	21.4	5 31	18 39.13	-2 39.4	1.537	2.429	14.3	19.1
6 10	18 33.85	-24 22.4	1.843	2.824	6.5	21.2	6 10	18 32.53	-2 6.5	1.499	2.440	11.4	18.9
6 20	18 24.94	-24 26.3	1.803	2.815	2.5	20.9	6 20	18 24.41	-1 54.2	1.482	2.452	9.2	18.8
6 30	18 15.29	-24 27.4	1.791	2.805	1.8	20.8	6 30	18 15.75	-2 4.4	1.490	2.463	8.8	18.8
7 10	18 5.99	-24 25.2	1.805	2.795	6.0	21.1	7 10	18 7.66	-2 35.7	1.521	2.475	10.4	18.9
7 20	17 58.03	-24 20.3	1.846	2.785	9.8	21.3	7 20	18 1.06	-3 24.8	1.574	2.487	13.0	19.1
7 30	17 52.19	-24 13.9	1.909	2.774	13.3	21.5	7 30	17 56.66	-4 26.8	1.649	2.499	15.7	19.3
<b>500129</b>	2012 CV <sub>27</sub>	6 25.8 241°04	4°0/25.7 17				<b>119814</b>	2002 AY <sub>159</sub>	6 25.9 48°95	3°2/26.4 16			
5 21	18 51.37	-31 48.4	1.561	2.412	16.2	21.7	5 21	18 42.49	-13 6.4	2.097	2.934	13.2	19.7
5 31	18 45.92	-32 13.0	1.480	2.405	12.7	21.4	5 31	18 38.01	-13 8.2	2.026	2.941	10.3	19.5
6 10	18 37.31	-32 32.2	1.421	2.397	8.6	21.2	6 10	18 31.69	-13 18.5	1.977	2.948	7.1	19.3
6 20	18 26.33	-32 41.0	1.384	2.389	4.9	20.9	6 20	18 24.08	-13 37.1	1.954	2.955	4.1	19.2
6 30	18 14.31	-32 35.8	1.374	2.380	4.5	20.9	6 30	18 15.98	-14 3.4	1.957	2.963	3.5	19.2
7 10	18 2.85	-32 16.0	1.388	2.371	8.2	21.1	7 10	18 8.27	-14 35.8	1.987	2.970	6.1	19.3
7 20	17 53.38	-31 44.3	1.427	2.362	12.4	21.3	7 20	18 1.71	-15 12.6	2.043	2.978	9.3	19.5
7 30	17 46.96	-31 5.6	1.487	2.353	16.3	21.5	7 30	17 56.94	-15 52.2	2.122	2.985	12.2	19.7
<b>431104</b>	2006 FP <sub>1</sub>	6 25.8 21°29	5°6/25.6 17				<b>472977</b>	2015 HX <sub>1</sub>	6 25.9 198°92	0°5/25.9 17			
5 21	18 46.90	-34 47.2	1.438	2.300	16.8	20.4	5 21	18 45.76	-20 18.6	1.871	2.720	14.0	20.8
5 31	18 42.58	-35 25.3	1.379	2.306	13.2	20.2	5 31	18 40.88	-20 41.1	1.794	2.720	10.7	20.6
6 10	18 35.12	-35 55.0	1.340	2.313	9.4	20.0	6 10	18 33.72	-21 8.3	1.738	2.720	6.9	20.4
6 20	18 25.45	-36 10.7	1.323	2.321	6.2	19.8	6 20	18 24.90	-21 38.2	1.708	2.719	2.7	20.1
6 30	18 14.99	-36 8.7	1.330	2.330	6.0	19.8	6 30	18 15.37	-22 8.8	1.704	2.718	1.9	20.1
7 10	18 5.36	-35 49.0	1.361	2.339	8.9	20.0	7 10	18 6.23	-22 38.0	1.728	2.718	6.1	20.3
7 20	17 57.89	-35 14.9	1.414	2.349	12.5	20.3	7 20	17 58.47	-23 5.0	1.777	2.717	10.1	20.6
7 30	17 53.47	-34 31.8	1.488	2.360	16.0	20.5	7 30	17 52.88	-23 29.5	1.849	2.716	13.5	20.8
<b>290798</b>	2005 VR <sub>78</sub>	6 25.8 213°17	0°7/25.7 18				<b>43850</b>	1993 SB <sub>14</sub>	6 25.9 281°41	5°9/26.1 18			
5 21	18 44.26	-23 39.1	2.621	3.458	10.8	21.0	5 21	18 43.44	-8 20.4	2.031	2.855	14.0	19.8
5 31	18 39.20	-24 10.5	2.533	3.454	8.2	20.8	5 31	18 39.01	-7 45.8	1.932	2.833	11.4	19.6
6 10	18 32.40	-24 43.5	2.469	3.449	5.3	20.6	6 10	18 32.52	-7 21.0	1.855	2.810	8.7	19.4
6 20	18 24.35	-25 16.2	2.433	3.444	2.0	20.4	6 20	18 24.48	-7 8.3	1.801	2.786	6.4	19.2
6 30	18 15.74	-25 46.6	2.425	3.439	1.6	20.3	6 30	18 15.65	-7 9.3	1.774	2.763	6.1	19.1
7 10	18 7.35	-26 13.3	2.446	3.433	4.8	20.5	7 10	18 6.99	-7 24.2	1.773	2.740	8.2	19.2
7 20	17 59.94	-26 35.7	2.495	3.428	7.9	20.7	7 20	17 59.39	-7 52.0	1.796	2.716	11.2	19.3
7 30	17 54.12	-26 54.1	2.568	3.422	10.6	20.9	7 30	17 53.64	-8 30.4	1.842	2.692	14.3	19.5
<b>179672</b>	2002 QO <sub>49</sub>	6 25.8 88°16	4°5/25.6 17				<b>35781</b>	1999 JA <sub>19</sub>	6 25.9 3°73	3°7/25.7 17			
5 21	18 50.96	-32 43.8	1.533	2.386	16.4	20.5	5 21	18 44.71	-19 2.5	1.132	2.012	19.1	18.0
5 31	18 45.45	-33 18.9	1.470	2.394	12.8	20.3	5 31	18 41.11	-18 5.4	1.070	2.011	14.8	17.7
6 10	18 36.86	-33 47.8	1.427	2.402	8.8	20.1	6 10	18 34.30	-17 11.1	1.026	2.011	9.9	17.4
6 20	18 26.09	-34 5.1	1.408	2.410	5.3	19.9	6 20	18 25.19	-16 21.9	1.003	2.011	5.0	17.1
6 30	18 14.54	-34 7.2	1.414	2.418	5.0	19.9	6 30	18 15.23	-15 40.7	1.002	2.013	4.5	17.1
7 10	18 3.77	-33 53.7	1.445	2.426	8.2	20.1	7 10	18 6.05	-15 9.9	1.025	2.015	9.1	17.4
7 20	17 55.11	-33 27.5	1.500	2.433	12.1	20.3	7 20	17 59.03	-14 50.6	1.068	2.019	14.1	17.7
7 30	17 49.46	-32 53.3	1.576	2.441	15.6	20.6	7 30	17 55.11	-14 42.8	1.130	2.023	18.4	17.9
<b>176398</b>	2001 UT <sub>144</sub>	6 25.8 185°57	3°8/25.2 18				<b>211086</b>	2002 EP <sub>49</sub>	6 25.9 193°25	3°5/25.7 17			
5 21	18 47.18	-33 5.6	2.392	3.226	11.9	20.8	5 21	18 52.37	-31 7.8	1.688	2.534	15.5	21.2
5 31	18 41.72	-33 51.4	2.313	3.226	9.3	20.6	5 31	18 46.37	-31 31.9	1.611	2.533	12.0	21.0
6 10	18 34.14	-34 33.3	2.257	3.225	6.5	20.4	6 10	18 37.43	-31 51.1	1.556	2.531	8.1	20.7
6 20	18 25.03	-35 7.5	2.227	3.225	4.2	20.3	6 20	18 26.35	-32 1.1	1.524	2.529	4.4	20.5
6 30	18 15.26	-35 30.8	2.226	3.224	4.1	20.3	6 30	18 14.39	-31 58.6	1.519	2.526	4.0	20.5
7 10	18 5.84	-35 42.1	2.251	3.223	6.4	20.4	7 10	18 3.03	-31 43.2	1.541	2.523	7.6	20.7
7 20	17 57.67	-35 42.2	2.303	3.222	9.2	20.6	7 20	17 53.55	-31 17.2	1.587	2.519	11.6	20.9
7 30	17 51.50	-35 33.2	2.379	3.220	11.8	20.7	7 30	17 46.91	-30 44.8	1.655	2.515	15.2	21.1
<b>287434</b>	2002 WZ <sub>28</sub>	6 25.8 246°99	0°6/25.9 18				<b>36349</b>	2000 NZ <sub>23</sub>	6 25.9 292°79	2°3/26.1 18			
5 21	18 48.25												

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>523129</b>	2016 SY <sub>53</sub>		6 25.9 221°35	1°6/26.1	18		<b>292629</b>	2006 UQ <sub>21</sub>		6 25.9 214°44	3°3/25.6	18	
5 21	18 43.65	-17 54.8	2.414	3.250	11.7	22.3	5 21	18 51.02	-30 47.6	1.936	2.776	14.0	21.4
5 31	18 38.78	-17 55.7	2.327	3.245	9.0	22.1	5 31	18 45.10	-31 19.0	1.851	2.769	10.9	21.2
6 10	18 32.16	-18 0.7	2.263	3.239	5.9	21.9	6 10	18 36.55	-31 47.0	1.788	2.762	7.4	21.0
6 20	18 24.29	-18 9.4	2.225	3.234	2.7	21.7	6 20	18 26.05	-32 7.4	1.750	2.754	4.1	20.8
6 30	18 15.87	-18 21.0	2.216	3.228	2.1	21.6	6 30	18 14.67	-32 16.8	1.740	2.746	3.8	20.8
7 10	18 7.73	-18 34.8	2.235	3.221	5.2	21.8	7 10	18 3.69	-32 14.3	1.757	2.737	7.0	20.9
7 20	18 0.61	-18 50.4	2.280	3.215	8.4	22.0	7 20	17 54.29	-32 1.1	1.799	2.728	10.7	21.1
7 30	17 55.13	-19 7.2	2.350	3.208	11.3	22.2	7 30	17 47.38	-31 40.4	1.864	2.717	14.0	21.3
<b>8074</b>	Slade		6 25.9 232°83	0°3/25.9	18		<b>357865</b>	2005 UL <sub>301</sub>		6 25.9 182°83	1°7/26.1	17	
5 21	18 46.34	-23 29.4	2.262	3.102	12.2	18.3	5 21	18 50.25	-18 25.2	1.573	2.422	16.2	22.0
5 31	18 40.98	-23 16.5	2.171	3.093	9.3	18.1	5 31	18 44.67	-18 32.1	1.498	2.423	12.5	21.7
6 10	18 33.62	-23 3.1	2.103	3.083	6.0	17.8	6 10	18 36.33	-18 45.4	1.444	2.423	8.2	21.5
6 20	18 24.85	-22 48.4	2.062	3.073	2.3	17.6	6 20	18 25.97	-19 3.6	1.413	2.423	3.5	21.2
6 30	18 15.48	-22 32.0	2.049	3.063	1.6	17.5	6 30	18 14.75	-19 25.0	1.409	2.422	2.6	21.1
7 10	18 6.44	-22 14.2	2.064	3.053	5.4	17.7	7 10	18 4.02	-19 47.9	1.431	2.421	7.2	21.4
7 20	17 58.59	-21 56.0	2.106	3.042	9.0	17.9	7 20	17 55.02	-20 11.4	1.478	2.419	11.7	21.7
7 30	17 52.63	-21 38.8	2.171	3.030	12.1	18.1	7 30	17 48.65	-20 35.1	1.547	2.416	15.6	21.9
<b>22239</b>	4030 T <sub>-3</sub>		6 25.9 184°91	1°5/26.0	18		<b>514917</b>	2008 TX <sub>111</sub>		6 25.9 261°52	2°4/25.9	18	
5 21	18 45.61	-18 39.8	2.018	2.861	13.4	19.3	5 21	18 46.89	-17 21.3	2.228	3.061	12.6	22.7
5 31	18 40.57	-18 43.6	1.939	2.861	10.3	19.1	5 31	18 41.55	-16 59.7	2.120	3.035	9.8	22.5
6 10	18 33.42	-18 51.8	1.882	2.861	6.7	18.9	6 10	18 34.13	-16 41.2	2.035	3.009	6.6	22.2
6 20	18 24.78	-19 3.8	1.851	2.860	2.9	18.6	6 20	18 25.12	-16 26.2	1.976	2.983	3.4	22.0
6 30	18 15.53	-19 18.4	1.847	2.860	2.2	18.6	6 30	18 15.32	-16 14.9	1.946	2.955	2.9	21.9
7 10	18 6.65	-19 34.6	1.871	2.859	5.9	18.8	7 10	18 5.66	-16 7.6	1.943	2.927	6.2	22.1
7 20	17 59.05	-19 51.7	1.920	2.858	9.6	19.0	7 20	17 57.06	-16 4.6	1.967	2.898	9.8	22.2
7 30	17 53.45	-20 9.6	1.993	2.857	12.8	19.2	7 30	17 50.29	-16 6.2	2.015	2.869	13.1	22.4
<b>474020</b>	2016 GU <sub>29</sub>		6 25.9 25°45	1°4/25.9	17		<b>121905</b>	2000 DE <sub>56</sub>		6 25.9 336°42	3°4/25.7	18	
5 21	18 44.63	-20 12.1	1.134	2.014	19.0	20.7	5 21	18 42.78	-28 9.9	1.001	1.895	19.9	18.8
5 31	18 41.03	-20 10.6	1.079	2.021	14.5	20.4	5 31	18 40.62	-28 37.9	0.932	1.881	15.5	18.5
6 10	18 34.23	-20 14.9	1.043	2.030	9.4	20.1	6 10	18 34.62	-29 4.6	0.879	1.868	10.3	18.1
6 20	18 25.17	-20 23.7	1.027	2.039	3.8	19.9	6 20	18 25.55	-29 24.8	0.846	1.857	5.0	17.8
6 30	18 15.30	-20 35.3	1.035	2.049	2.8	19.8	6 30	18 15.01	-29 33.3	0.834	1.846	4.4	17.7
7 10	18 6.27	-20 48.3	1.065	2.060	8.1	20.2	7 10	18 5.10	-29 28.3	0.843	1.837	9.8	18.0
7 20	17 59.43	-21 2.2	1.118	2.072	13.2	20.5	7 20	17 57.67	-29 11.8	0.871	1.829	15.4	18.3
7 30	17 55.71	-21 16.8	1.189	2.084	17.5	20.8	7 30	17 54.07	-28 48.0	0.916	1.823	20.3	18.5
<b>347915</b>	2003 AQ <sub>51</sub>		6 25.9 129°23	0°1/25.9	18		<b>137525</b>	1999 VM <sub>50</sub>		6 25.9 259°45	0°6/25.8	18	
5 21	18 45.30	-21 42.2	2.409	3.247	11.7	20.8	5 21	18 49.19	-24 27.1	1.760	2.610	14.8	21.1
5 31	18 39.99	-22 8.3	2.336	3.256	8.8	20.6	5 31	18 43.95	-24 34.2	1.664	2.590	11.4	20.9
6 10	18 32.89	-22 37.0	2.286	3.266	5.6	20.4	6 10	18 35.98	-24 41.7	1.589	2.570	7.4	20.6
6 20	18 24.55	-23 6.3	2.264	3.275	2.1	20.2	6 20	18 25.90	-24 47.4	1.539	2.550	2.9	20.3
6 30	18 15.72	-23 34.4	2.270	3.284	1.5	20.2	6 30	18 14.77	-24 49.3	1.515	2.529	2.1	20.2
7 10	18 7.25	-24 0.1	2.304	3.292	5.0	20.4	7 10	18 3.89	-24 46.6	1.518	2.507	6.8	20.4
7 20	17 59.89	-24 22.6	2.366	3.300	8.2	20.6	7 20	17 54.50	-24 39.9	1.546	2.486	11.3	20.6
7 30	17 54.26	-24 42.3	2.452	3.308	11.0	20.8	7 30	17 47.62	-24 31.1	1.596	2.463	15.3	20.8
<b>309708</b>	2008 GP <sub>2</sub>		6 25.9 77°92	0°2/25.9	16		<b>60142</b>	1999 TS <sub>200</sub>		6 25.9 245°93	1°2/25.6	18	
5 21	18 43.89	-22 13.9	2.240	3.085	12.2	21.3	5 21	18 44.20	-25 21.7	2.481	3.322	11.3	19.1
5 31	18 39.03	-22 23.3	2.169	3.093	9.2	21.1	5 31	18 39.32	-25 55.1	2.393	3.315	8.6	18.9
6 10	18 32.32	-22 34.5	2.121	3.102	5.9	21.0	6 10	18 32.58	-26 29.4	2.329	3.309	5.5	18.7
6 20	18 24.34	-22 46.0	2.099	3.110	2.2	20.7	6 20	18 24.50	-27 2.1	2.292	3.302	2.3	18.5
6 30	18 15.89	-22 56.7	2.104	3.119	1.5	20.7	6 30	18 15.81	-27 31.2	2.283	3.295	2.0	18.4
7 10	18 7.85	-23 5.8	2.138	3.127	5.2	21.0	7 10	18 7.35	-27 55.1	2.303	3.289	5.2	18.6
7 20	18 1.00	-23 13.4	2.197	3.136	8.5	21.2	7 20	17 59.93	-28 13.4	2.349	3.282	8.3	18.8
7 30	17 55.95	-23 19.7	2.281	3.144	11.5	21.4	7 30	17 54.22	-28 26.8	2.419	3.275	11.1	19.0
<b>161947</b>	2007 GD <sub>25</sub>		6 25.9 319°88	8°0/24.3	18		<b>240427</b>	2003 WG <sub>64</sub>		6 25.9 184°60	1°4/25.7	18	
5 21	18 45.80	-36 39.0	1.398	2.260	17.2	18.5	5 21	18 46.23	-25 36.3	1.979	2.827	13.4	20.5
5 31	18 42.68	-37 56.8	1.306	2.230	14.0	18.2	5 31	18 41.22	-26 5.2	1.901	2.827	10.2	20.3
6 10	18 35.92	-39 10.6	1.234	2.201	10.7	17.9	6 10	18 33.95	-26 34.6	1.846	2.827	6.6	20.1
6 20	18 26.08	-40 11.6	1.183	2.173	8.3	17.7	6 20	18 25.04	-27 1.7	1.817	2.827	2.8	19.8
6 30	18 14.48	-40 51.2	1.156	2.145	8.5	17.7	6 30	18 15.44	-27 23.9	1.814	2.827	2.3	19.8
7 10	18 3.00	-41 4.6	1.151	2.118	11.5	17.7	7 10	18 6.24	-27 39.8	1.839	2.827	6.1	20.1
7 20	17 53.56	-40 52.6	1.167	2.092	15.4	17.9	7 20	17 58.41	-27 49.5	1.889	2.826	9.8	20.3
7 30	17 47.69	-40 20.5	1.201	2.067	19.3	18.1	7 30	17 52.76	-27 54.3	1.963	2.826	13.0	20.5
<b>342571</b>	2008 UH <sub>259</sub>		6 25.9 318°90	2°4/25.5	18		<b>175491</b>	2006 RQ <sub>46</sub>		6 25.9 57°46	1°0/25.9	17	
5 21	18 43.57	-26 21.3	1.418	2.290	16.4	20.8	5 21	18 47.51	-20 38.8	1.363	2.228	17.4	20.6
5 31	18 40.38	-26 56.5	1.325	2.263	12.7	20.5	5 31	18 42.73	-20 43.4	1.306	2.240	13.2	20.4
6 10	18 34.09	-27 34.0	1.252	2.237	8.4	20.2	6 10	18 35.09	-20 52.5	1.269	2.253	8.4	20.2
6 20	18 25.29	-28 9.8	1.201	2.211	3.8	19.9	6 20	18 25.48	-21 4.5	1.255	2.266	3.3	19.9
6 30	18 15.10	-28 39.5	1.174	2.186	3.4	19.8	6 30	18 15.18	-21 17.4	1.265	2.279	2.4	19.9
7 10	18 5.09	-29 0.0	1.171	2.162	8.2	20.0	7 10	18 5.67	-21 30.2	1.301	2.293	7.3	20.2
7 20	17 56.77	-29 10.8	1.191	2.139	13.2	20.2	7 20	17 58.12	-21 42.3	1.359	2.307	11.9	20.5
7 30	17 51.43	-29 13.7	1.231	2.116	17.7	20.4	7 30	17 53.39	-21 54.3	1.439	2.320	15.8	20.8
<b>275171</b>	2009 WQ <sub>31</sub>		6 25.9 338°13	1°9/25.9	17		<b>472865</b>	2015 FJ <sub>296</sub>		6 25.9 310°40	2°4/26.3	18	
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>183222</b>	2002 <i>TN</i> <sub>41</sub>		6 25.9 312°66	3°4/25.4	18		<b>371900</b>	2008 <i>CP</i> <sub>142</sub>		6 25.9 145°38	3°5/25.8	17	
5 21	18 44.93	-27 24.1	1.288	2.163	17.5	20.0	5 21	18 51.86	-31 48.7	1.755	2.599	15.0	21.5
5 31	18 41.92	-28 11.1	1.192	2.131	13.7	19.7	5 31	18 45.79	-32 10.6	1.685	2.606	11.7	21.3
6 10	18 35.42	-29 1.5	1.115	2.100	9.2	19.4	6 10	18 36.97	-32 26.9	1.637	2.612	7.9	21.1
6 20	18 25.93	-29 50.0	1.059	2.069	4.6	19.0	6 20	18 26.22	-32 33.4	1.614	2.617	4.4	20.9
6 30	18 14.66	-30 30.3	1.027	2.038	4.4	18.9	6 30	18 14.76	-32 27.5	1.617	2.623	4.0	20.9
7 10	18 3.40	-30 58.1	1.018	2.008	9.4	19.1	7 10	18 3.97	-32 9.1	1.646	2.628	7.3	21.1
7 20	17 53.97	-31 12.0	1.030	1.978	14.7	19.3	7 20	17 55.04	-31 40.8	1.700	2.632	11.0	21.3
7 30	17 47.93	-31 14.6	1.061	1.950	19.7	19.5	7 30	17 48.81	-31 6.6	1.777	2.636	14.3	21.6
<b>74954</b>	1999 <i>TB</i> <sub>194</sub>		6 25.9 249°43	5°9/25.4	18		<b>498467</b>	2008 <i>CM</i> <sub>34</sub>		6 25.9 228°46	1°4/26.0	17	
5 21	18 52.33	-36 2.8	1.720	2.560	15.5	19.7	5 21	18 48.60	-19 11.2	1.852	2.695	14.4	22.3
5 31	18 46.70	-36 48.7	1.634	2.547	12.4	19.4	5 31	18 43.19	-19 13.9	1.762	2.684	11.1	22.1
6 10	18 37.90	-37 27.5	1.570	2.535	9.1	19.2	6 10	18 35.34	-19 21.1	1.695	2.674	7.3	21.8
6 20	18 26.67	-37 53.0	1.529	2.521	6.4	19.0	6 20	18 25.65	-19 31.7	1.652	2.662	3.1	21.5
6 30	18 14.27	-38 0.0	1.514	2.508	6.2	19.0	6 30	18 15.10	-19 44.7	1.637	2.650	2.3	21.4
7 10	18 2.33	-37 47.1	1.524	2.494	9.0	19.1	7 10	18 4.85	-19 58.8	1.648	2.637	6.5	21.7
7 20	17 52.29	-37 16.8	1.558	2.480	12.5	19.3	7 20	17 55.99	-20 13.7	1.686	2.624	10.7	21.9
7 30	17 45.27	-36 34.4	1.614	2.465	15.9	19.5	7 30	17 49.39	-20 29.3	1.746	2.610	14.4	22.1
<b>367479</b>	2009 <i>EF</i> <sub>19</sub>		6 25.9 95°06	0°4/25.9	17		<b>21069</b>	1991 <i>PY</i> <sub>3</sub>		6 25.9 327°82	0°2/25.9	18	
5 21	18 49.66	-21 54.0	1.423	2.283	17.0	21.7	5 21	18 44.98	-23 40.0	1.536	2.400	15.8	18.4
5 31	18 44.34	-22 2.6	1.362	2.294	13.0	21.4	5 31	18 40.88	-23 42.6	1.457	2.392	12.1	18.1
6 10	18 36.12	-22 14.4	1.322	2.305	8.3	21.2	6 10	18 34.04	-23 46.5	1.399	2.384	7.8	17.9
6 20	18 25.87	-22 27.2	1.304	2.316	3.1	20.9	6 20	18 25.19	-23 49.6	1.365	2.377	3.0	17.6
6 30	18 14.91	-22 38.9	1.312	2.327	2.2	20.9	6 30	18 15.45	-23 50.5	1.356	2.370	2.1	17.5
7 10	18 4.70	-22 48.3	1.346	2.337	7.2	21.2	7 10	18 6.18	-23 48.5	1.371	2.364	7.0	17.8
7 20	17 56.46	-22 55.8	1.403	2.348	11.8	21.5	7 20	17 58.59	-23 44.3	1.411	2.358	11.6	18.0
7 30	17 51.06	-23 2.1	1.481	2.358	15.7	21.8	7 30	17 53.62	-23 39.2	1.471	2.352	15.6	18.2
<b>92427</b>	2000 <i>JD</i> <sub>56</sub>		6 25.9 33°26	4°5/26.2	18		<b>393974</b>	2005 <i>UG</i> <sub>312</sub>		6 25.9 311°66	4°3/26.1	18	
5 21	18 44.83	-15 15.9	1.024	1.905	20.6	18.3	5 21	18 41.99	-12 23.0	2.088	2.925	13.2	20.9
5 31	18 41.27	-14 50.3	0.976	1.916	16.0	18.0	5 31	18 37.78	-11 52.0	2.003	2.916	10.5	20.7
6 10	18 34.41	-14 36.3	0.945	1.928	10.8	17.8	6 10	18 31.67	-11 28.2	1.941	2.907	7.5	20.5
6 20	18 25.26	-14 35.0	0.935	1.941	5.9	17.6	6 20	18 24.21	-11 12.9	1.903	2.899	4.9	20.3
6 30	18 15.37	-14 46.2	0.946	1.955	5.1	17.6	6 30	18 16.17	-11 7.1	1.891	2.891	4.5	20.3
7 10	18 6.42	-15 8.2	0.979	1.970	9.3	17.8	7 10	18 8.43	-11 10.9	1.906	2.883	6.9	20.4
7 20	17 59.78	-15 38.4	1.032	1.985	14.1	18.2	7 20	18 1.79	-11 23.5	1.946	2.875	10.0	20.6
7 30	17 56.35	-16 14.0	1.105	2.002	18.4	18.5	7 30	17 56.93	-11 43.7	2.009	2.867	13.0	20.8
<b>249249</b>	2008 <i>RA</i> <sub>106</sub>		6 25.9 323°15	8°9/24.2	18 R		<b>462212</b>	2007 <i>VO</i> <sub>195</sub>		6 25.9 346°56	1°3/25.9	17	
5 21	18 47.10	-39 2.2	1.439	2.294	17.2	19.0	5 21	18 46.03	-25 55.3	1.170	2.050	18.6	21.0
5 31	18 43.58	-40 28.2	1.358	2.274	14.2	18.8	5 31	18 42.42	-25 58.7	1.102	2.045	14.3	20.7
6 10	18 36.41	-41 47.1	1.296	2.255	11.2	18.5	6 10	18 35.37	-26 1.1	1.053	2.040	9.3	20.4
6 20	18 26.25	-42 49.9	1.257	2.237	9.1	18.4	6 20	18 25.77	-25 59.5	1.025	2.037	3.7	20.0
6 30	18 14.50	-43 27.9	1.240	2.219	9.4	18.3	6 30	18 15.08	-25 51.7	1.019	2.034	2.8	20.0
7 10	18 3.09	-43 37.5	1.245	2.203	11.8	18.4	7 10	18 5.11	-25 37.5	1.037	2.031	8.4	20.3
7 20	17 53.86	-43 20.2	1.271	2.187	15.2	18.6	7 20	17 57.38	-25 18.9	1.076	2.030	13.6	20.6
7 30	17 48.21	-42 42.3	1.316	2.172	18.6	18.7	7 30	17 52.98	-24 59.0	1.135	2.029	18.2	20.9
<b>366774</b>	2004 <i>TB</i> <sub>18</sub>		6 25.9 93°80	5°0/26.9	18		<b>334396</b>	2002 <i>CT</i> <sub>194</sub>		6 25.9 242°51	3°7/25.8	18	
5 21	19 5.56	-9 25.7	1.225	2.047	21.5	20.6	5 21	18 50.37	-33 3.5	2.016	2.854	13.6	21.5
5 31	18 55.91	-9 54.7	1.191	2.095	16.7	20.5	5 31	18 44.59	-33 21.2	1.926	2.841	10.7	21.3
6 10	18 43.09	-10 41.3	1.176	2.141	11.4	20.3	6 10	18 36.24	-33 33.0	1.857	2.829	7.4	21.0
6 20	18 28.33	-11 42.5	1.185	2.184	6.5	20.2	6 20	18 26.00	-33 35.1	1.814	2.816	4.4	20.8
6 30	18 13.34	-12 53.6	1.221	2.226	5.3	20.2	6 30	18 14.91	-33 24.7	1.798	2.802	4.1	20.8
7 10	17 59.84	-14 8.8	1.284	2.265	8.9	20.5	7 10	18 4.24	-33 1.7	1.809	2.789	7.0	20.9
7 20	17 49.06	-15 23.6	1.372	2.303	13.2	20.9	7 20	17 55.11	-32 28.3	1.846	2.774	10.5	21.1
7 30	17 41.74	-16 35.0	1.482	2.338	16.8	21.2	7 30	17 48.40	-31 48.0	1.906	2.760	13.7	21.3
<b>346693</b>	2008 <i>YH</i> <sub>121</sub>		6 25.9 354°69	0°3/25.8	18		<b>281613</b>	2008 <i>UV</i> <sub>214</sub>		6 25.9 244°39	3°7/25.8	18	
5 21	18 45.10	-22 31.3	1.849	2.702	14.0	21.2	5 21	18 46.44	-14 6.3	2.320	3.146	12.4	21.1
5 31	18 40.47	-22 54.6	1.772	2.701	10.7	21.0	5 31	18 41.03	-13 27.2	2.220	3.128	9.8	20.8
6 10	18 33.52	-23 20.9	1.718	2.700	6.8	20.7	6 10	18 33.71	-12 52.2	2.143	3.110	6.9	20.6
6 20	18 24.91	-23 47.9	1.688	2.700	2.6	20.5	6 20	18 24.99	-12 22.7	2.092	3.091	4.3	20.4
6 30	18 15.58	-24 13.2	1.685	2.700	1.8	20.4	6 30	18 15.62	-11 59.9	2.070	3.071	4.0	20.4
7 10	18 6.65	-24 35.4	1.709	2.700	6.1	20.7	7 10	18 6.46	-11 44.7	2.075	3.050	6.5	20.5
7 20	17 59.14	-24 53.7	1.758	2.700	10.1	20.9	7 20	17 58.33	-11 37.3	2.107	3.029	9.7	20.7
7 30	17 53.83	-25 8.7	1.830	2.700	13.5	21.1	7 30	17 51.93	-11 37.5	2.163	3.008	12.7	20.8
<b>258967</b>	2002 <i>SZ</i> <sub>28</sub>		6 25.9 236°59	0°8/25.9	17		<b>374361</b>	2005 <i>US</i> <sub>217</sub>		6 25.9 229°84	5°3/25.9	18	
5 21	18 48.09	-20 43.3	1.867	2.712	14.2	21.5	5 21	18 46.25	-9 44.3	2.154	2.973	13.5	22.6
5 31	18 42.81	-20 47.7	1.777	2.701	10.9	21.3	5 31	18 40.97	-9 1.7	2.062	2.961	10.9	22.4
6 10	18 35.08	-20 55.5	1.708	2.689	7.1	21.0	6 10	18 33.70	-8 27.0	1.993	2.949	8.1	22.2
6 20	18 25.53	-21 5.2	1.665	2.676	2.8	20.7	6 20	18 24.99	-8 2.2	1.949	2.936	5.8	22.0
6 30	18 15.12	-21 15.6	1.649	2.663	2.0	20.7	6 30	18 15.63	-7 48.8	1.932	2.922	5.6	22.0
7 10	18 5.02	-21 25.6	1.660	2.650	6.4	20.9	7 10	18 6.52	-7 47.5	1.941	2.907	7.7	22.1
7 20	17 56.29	-21 35.1	1.697	2.636	10.6	21.1	7 20	17 58.51	-7 57.8	1.977	2.892	10.6	22.3
7 30	17 49.82	-21 44.5	1.757	2.621	14.2	21.3	7 30	17 52.31	-8 18.1	2.035	2.877	13.5	22.4
<b>62275</b>	2000 <i>SK</i> <sub>98</sub>		6 25.9 66°30	4°2/25.7	18								

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>164026</b>	2003 <i>UT</i> <sub>227</sub>		6 25.9 276°33	0°8/25.9	18		<b>387013</b>	2012 <i>RB</i> <sub>23</sub>		6 25.9 314°03	1°4/25.8	18	
5 21	18 46.18	-25 24.6	1.903	2.754	13.8	20.3	5 21	18 44.38	-24 58.8	1.537	2.403	15.7	20.7
5 31	18 41.33	-25 27.8	1.817	2.744	10.5	20.1	5 31	18 40.70	-25 22.9	1.446	2.381	12.1	20.4
6 10	18 34.13	-25 30.2	1.753	2.735	6.8	19.8	6 10	18 34.17	-25 49.0	1.376	2.360	7.9	20.1
6 20	18 25.20	-25 30.0	1.714	2.725	2.7	19.5	6 20	18 25.38	-26 14.3	1.329	2.340	3.2	19.8
6 30	18 15.51	-25 25.8	1.702	2.715	2.0	19.5	6 30	18 15.43	-26 35.3	1.306	2.320	2.6	19.7
7 10	18 6.21	-25 17.3	1.716	2.706	6.2	19.7	7 10	18 5.73	-26 50.2	1.309	2.300	7.4	19.9
7 20	17 58.31	-25 5.3	1.756	2.696	10.2	19.9	7 20	17 57.62	-26 58.7	1.335	2.281	12.2	20.1
7 30	17 52.65	-24 51.7	1.818	2.687	13.7	20.1	7 30	17 52.22	-27 2.1	1.381	2.263	16.4	20.4
<b>63258</b>	2001 <i>BT</i> <sub>80</sub>		6 25.9 219°55	5°3/26.3	18		<b>148584</b>	2001 <i>QU</i> <sub>333</sub>		6 25.9 241°81	3°1/25.8	18	
5 21	18 41.91	-5 50.1	2.759	3.560	11.3	20.4	5 21	18 47.28	-32 34.3	2.278	3.114	12.3	20.0
5 31	18 37.23	-5 18.8	2.670	3.553	9.3	20.2	5 31	18 41.89	-32 47.0	2.192	3.108	9.6	19.8
6 10	18 31.11	-4 56.6	2.605	3.545	7.2	20.1	6 10	18 34.34	-32 54.3	2.130	3.102	6.5	19.6
6 20	18 23.97	-4 45.0	2.565	3.537	5.6	19.9	6 20	18 25.27	-32 53.5	2.093	3.096	3.8	19.4
6 30	18 16.39	-4 44.9	2.553	3.529	5.4	19.9	6 30	18 15.59	-32 42.7	2.084	3.089	3.5	19.4
7 10	18 9.03	-4 56.4	2.567	3.521	6.7	20.0	7 10	18 6.31	-32 21.9	2.103	3.083	6.1	19.5
7 20	18 2.48	-5 18.3	2.608	3.512	8.8	20.1	7 20	17 58.37	-31 52.8	2.147	3.076	9.2	19.7
7 30	17 57.28	-5 49.1	2.673	3.503	11.0	20.2	7 30	17 52.47	-31 18.3	2.216	3.069	12.1	19.9
<b>126885</b>	2002 <i>EZ</i> <sub>98</sub>		6 25.9 188°06	4°9/26.2	18		<b>237470</b>	2000 <i>CT</i> <sub>135</sub>		6 25.9 297°59	2°3/26.2	18	
5 21	18 42.01	-8 46.9	2.441	3.258	12.1	20.2	5 21	18 43.86	-16 48.4	1.840	2.688	14.2	20.8
5 31	18 37.45	-8 14.1	2.361	3.258	9.8	20.1	5 31	18 39.60	-16 48.0	1.752	2.676	11.1	20.5
6 10	18 31.30	-7 49.8	2.305	3.258	7.3	19.9	6 10	18 33.07	-16 54.1	1.685	2.663	7.4	20.3
6 20	18 24.05	-7 35.4	2.273	3.258	5.3	19.8	6 20	18 24.85	-17 6.4	1.643	2.651	3.6	20.0
6 30	18 16.35	-7 31.9	2.269	3.257	5.0	19.8	6 30	18 15.84	-17 24.3	1.628	2.639	2.9	20.0
7 10	18 8.96	-7 39.1	2.292	3.256	6.7	19.9	7 10	18 7.12	-17 46.4	1.638	2.627	6.6	20.2
7 20	18 2.53	-7 56.1	2.340	3.256	9.2	20.0	7 20	17 59.66	-18 11.8	1.674	2.615	10.5	20.4
7 30	17 57.61	-8 21.4	2.412	3.255	11.6	20.2	7 30	17 54.33	-18 39.3	1.732	2.603	14.1	20.6
<b>438271</b>	2005 <i>YL</i> <sub>8</sub>		6 25.9 239°16	1°6/25.9	18		<b>507662</b>	2013 <i>RZ</i> <sub>12</sub>		6 25.9 291°88	3°9/25.5	18	
5 21	18 46.29	-29 31.8	2.870	3.699	10.2	21.3	5 21	18 48.50	-30 28.3	1.521	2.380	16.2	21.5
5 31	18 40.67	-29 28.4	2.770	3.684	7.9	21.1	5 31	18 44.11	-31 4.0	1.428	2.357	12.7	21.2
6 10	18 33.35	-29 21.3	2.694	3.669	5.2	20.9	6 10	18 36.51	-31 37.5	1.356	2.335	8.7	20.9
6 20	18 24.84	-29 9.0	2.646	3.653	2.4	20.7	6 20	18 26.32	-32 3.4	1.307	2.313	4.8	20.6
6 30	18 15.81	-28 50.7	2.627	3.637	2.0	20.6	6 30	18 14.77	-32 16.9	1.283	2.290	4.6	20.5
7 10	18 7.05	-28 26.6	2.637	3.621	4.7	20.8	7 10	18 3.48	-32 16.0	1.283	2.268	8.5	20.7
7 20	17 59.28	-27 58.0	2.675	3.604	7.6	21.0	7 20	17 53.99	-32 1.8	1.307	2.246	13.0	20.9
7 30	17 53.08	-27 26.7	2.738	3.587	10.2	21.1	7 30	17 47.55	-31 38.0	1.351	2.224	17.2	21.1
<b>508474</b>	2016 <i>OR</i> <sub>1</sub>		6 25.9 16°35	4°8/26.2	17		<b>216286</b>	2006 <i>YF</i> <sub>46</sub>		6 25.9 67°72	3°1/26.8	17	
5 21	18 43.61	-12 59.0	1.548	2.401	16.3	20.7	5 21	18 43.48	-11 35.5	2.258	3.085	12.7	19.8
5 31	18 39.51	-12 27.6	1.481	2.403	12.8	20.5	5 31	18 38.73	-11 58.9	2.183	3.092	9.9	19.6
6 10	18 32.99	-12 5.6	1.433	2.406	9.0	20.3	6 10	18 32.21	-12 32.2	2.132	3.099	6.9	19.4
6 20	18 24.77	-11 54.7	1.409	2.409	5.7	20.1	6 20	18 24.45	-13 14.7	2.106	3.106	4.0	19.2
6 30	18 15.88	-11 55.6	1.409	2.412	5.1	20.1	6 30	18 16.19	-14 4.7	2.108	3.113	3.3	19.2
7 10	18 7.51	-12 8.0	1.434	2.417	8.1	20.3	7 10	18 8.24	-15 0.1	2.137	3.120	5.8	19.4
7 20	18 0.70	-12 30.2	1.483	2.421	11.8	20.5	7 20	18 1.36	-15 58.4	2.194	3.127	8.8	19.6
7 30	17 56.24	-13 0.2	1.553	2.426	15.3	20.7	7 30	17 56.17	-16 57.2	2.275	3.135	11.6	19.8
<b>228515</b>	2001 <i>TA</i> <sub>193</sub>		6 25.9 204°80	2°4/25.7	18		<b>119865</b>	2002 <i>CE</i> <sub>140</sub>		6 25.9 45°36	4°6/26.4	18	
5 21	18 49.82	-29 43.5	2.234	3.069	12.5	20.5	5 21	18 42.22	-10 27.3	2.080	2.912	13.5	19.1
5 31	18 43.82	-30 1.5	2.147	3.064	9.7	20.3	5 31	18 37.84	-10 4.1	2.011	2.919	10.7	18.9
6 10	18 35.58	-30 16.1	2.083	3.058	6.4	20.1	6 10	18 31.66	-9 50.2	1.964	2.926	7.7	18.7
6 20	18 25.74	-30 24.7	2.046	3.052	3.2	19.9	6 20	18 24.24	-9 46.8	1.942	2.934	5.3	18.6
6 30	18 15.20	-30 24.9	2.036	3.045	2.9	19.9	6 30	18 16.36	-9 54.2	1.945	2.942	4.8	18.6
7 10	18 5.05	-30 16.4	2.055	3.038	6.0	20.0	7 10	18 8.88	-10 11.8	1.976	2.950	6.9	18.7
7 20	17 56.23	-30 0.4	2.100	3.029	9.4	20.2	7 20	18 2.55	-10 38.1	2.031	2.958	9.7	18.9
7 30	17 49.53	-29 39.2	2.169	3.021	12.4	20.4	7 30	17 57.98	-11 11.2	2.110	2.967	12.5	19.1
<b>58851</b>	1998 <i>HY</i> <sub>77</sub>		6 25.9 154°11	0°7/25.8	18		<b>123813</b>	2001 <i>BC</i> <sub>68</sub>		6 25.9 189°26	5°4/25.5	18	
5 21	18 45.35	-25 22.3	2.634	3.469	10.8	20.3	5 21	18 49.71	-43 4.5	3.017	3.815	10.5	20.4
5 31	18 39.95	-25 29.7	2.556	3.475	8.2	20.1	5 31	18 43.43	-43 37.3	2.937	3.814	8.7	20.2
6 10	18 32.87	-25 36.3	2.502	3.481	5.2	19.9	6 10	18 35.18	-44 0.8	2.879	3.813	6.9	20.1
6 20	18 24.64	-25 40.8	2.476	3.487	2.1	19.7	6 20	18 25.58	-44 11.7	2.848	3.811	5.7	20.0
6 30	18 15.99	-25 42.1	2.478	3.492	1.5	19.7	6 30	18 15.44	-44 7.6	2.844	3.809	5.6	20.0
7 10	18 7.70	-25 39.9	2.509	3.496	4.7	19.9	7 10	18 5.72	-43 48.4	2.867	3.806	6.8	20.1
7 20	18 0.46	-25 34.7	2.567	3.501	7.7	20.1	7 20	17 57.23	-43 15.8	2.916	3.803	8.6	20.2
7 30	17 54.85	-25 27.6	2.650	3.505	10.3	20.3	7 30	17 50.63	-42 33.2	2.990	3.799	10.4	20.3
<b>41182</b>	1999 <i>VL</i> <sub>195</sub>		6 25.9 101°62	2°6/26.2	18		<b>20011</b>	1991 <i>PD</i> <sub>13</sub>		6 25.9 321°75	2°3/25.8	18	R
5 21	18 42.76	-15 10.0	2.423	3.256	11.7	19.3	5 21	18 44.00	-27 33.1	1.399	2.271	16.6	18.7
5 31	18 38.02	-15 1.4	2.350	3.264	9.1	19.1	5 31	18 40.71	-27 48.9	1.310	2.248	12.9	18.4
6 10	18 31.66	-14 58.4	2.300	3.272	6.1	19.0	6 10	18 34.33	-28 3.3	1.241	2.226	8.5	18.1
6 20	18 24.19	-15 0.9	2.277	3.280	3.3	18.8	6 20	18 25.50	-28 13.0	1.195	2.205	3.8	17.8
6 30	18 16.31	-15 8.7	2.281	3.288	2.9	18.8	6 30	18 15.42	-28 14.6	1.172	2.185	3.2	17.7
7 10	18 8.79	-15 21.2	2.313	3.296	5.4	19.0	7 10	18 5.67	-28 7.1	1.173	2.165	8.0	17.9
7 20	18 2.29	-15 37.6	2.372	3.304	8.3	19.1	7 20	17 57.72	-27 51.6	1.197	2.146	13.0	18.1
7 30	17 57.37	-15 57.2	2.454	3.311	11.0	19.3	7 30	17 52.75	-27 31.1	1.240	2.129	17.4	18.3
<b>482933</b>	2014 <i>JC</i> <sub>27</sub>		6 25.9 313°67	0°1/25.9	18		<b>501838</b>	2014 <i>WZ</i> <sub>135</sub>					



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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>254946</b>	2005 SY <sub>183</sub>		6 25.9 359°27	4.8/25.6	18		<b>385539</b>	2004 RP <sub>73</sub>		6 25.9 238°14	6.6/25.0	18	
5 21	18 44.82	-33 58.7	1.682	2.538	15.0	19.5	5 21	18 54.05	-41 31.9	2.323	3.132	12.9	21.8
5 31	18 40.78	-34 35.1	1.611	2.535	11.8	19.3	5 31	18 47.53	-42 22.9	2.229	3.116	10.7	21.6
6 10	18 34.00	-35 5.1	1.561	2.534	8.4	19.1	6 10	18 38.26	-43 4.9	2.158	3.099	8.5	21.4
6 20	18 25.24	-35 24.1	1.534	2.533	5.4	18.9	6 20	18 26.91	-43 32.2	2.112	3.082	6.8	21.3
6 30	18 15.68	-35 28.6	1.533	2.533	5.2	18.9	6 30	18 14.56	-43 40.3	2.093	3.063	6.8	21.2
7 10	18 6.69	-35 17.9	1.556	2.534	8.0	19.0	7 10	18 2.52	-43 28.0	2.100	3.045	8.5	21.3
7 20	17 59.45	-34 54.3	1.603	2.536	11.5	19.2	7 20	17 52.04	-42 57.2	2.132	3.025	11.0	21.4
7 30	17 54.85	-34 21.5	1.671	2.538	14.7	19.5	7 30	17 44.10	-42 12.5	2.187	3.005	13.5	21.6
<b>68422</b>	2001 QJ <sub>296</sub>		6 25.9 267°86	0.9/25.9	18		<b>481024</b>	2004 UH <sub>6</sub>		6 25.9 291°64	9.5/21.9	17	
5 21	18 44.41	-20 46.1	2.193	3.036	12.5	19.3	5 21	18 54.11	-47 58.4	2.360	3.150	13.3	20.7
5 31	18 39.69	-20 44.0	2.101	3.024	9.5	19.0	5 31	18 48.34	-49 52.1	2.274	3.130	11.7	20.6
6 10	18 32.97	-20 44.3	2.032	3.011	6.2	18.8	6 10	18 39.30	-51 36.7	2.210	3.111	10.3	20.4
6 20	18 24.81	-20 46.1	1.988	2.999	2.5	18.5	6 20	18 27.50	-53 4.0	2.170	3.091	9.5	20.4
6 30	18 15.98	-20 48.8	1.972	2.986	1.8	18.5	6 30	18 14.03	-54 6.9	2.156	3.071	9.9	20.3
7 10	18 7.41	-20 51.8	1.984	2.973	5.5	18.7	7 10	18 0.47	-54 41.9	2.166	3.051	11.2	20.4
7 20	17 59.97	-20 55.2	2.021	2.960	9.1	18.9	7 20	17 48.44	-54 50.0	2.199	3.031	13.0	20.5
7 30	17 54.38	-20 59.4	2.083	2.947	12.4	19.1	7 30	17 39.34	-54 35.6	2.251	3.012	14.8	20.6
<b>387486</b>	2013 YO <sub>106</sub>		6 25.9 290°40	2.4/26.1	17		<b>26875</b>	1994 AF <sub>10</sub>		6 25.9 307°31	1.1/25.8	18	
5 21	18 45.33	-17 22.3	1.685	2.537	15.2	21.3	5 21	18 45.11	-25 13.5	1.922	2.774	13.6	18.6
5 31	18 41.09	-17 18.5	1.588	2.514	11.9	21.0	5 31	18 40.54	-25 31.7	1.839	2.767	10.4	18.4
6 10	18 34.26	-17 21.1	1.511	2.491	7.9	20.7	6 10	18 33.68	-25 50.5	1.779	2.761	6.7	18.2
6 20	18 25.41	-17 30.0	1.459	2.467	3.8	20.4	6 20	18 25.13	-26 7.3	1.743	2.754	2.7	17.9
6 30	18 15.50	-17 44.4	1.432	2.444	3.0	20.3	6 30	18 15.84	-26 20.2	1.734	2.748	2.1	17.8
7 10	18 5.76	-18 3.4	1.431	2.420	7.2	20.5	7 10	18 6.91	-26 28.0	1.752	2.742	6.1	18.1
7 20	17 57.38	-18 25.9	1.454	2.397	11.7	20.7	7 20	17 59.35	-26 30.9	1.795	2.736	10.0	18.3
7 30	17 51.35	-18 51.2	1.499	2.373	15.7	20.9	7 30	17 53.97	-26 30.2	1.861	2.730	13.4	18.5
<b>405789</b>	2006 AP <sub>66</sub>		6 25.9 245°86	0.2/25.9	17		<b>430068</b>	2013 SC <sub>37</sub>		6 25.9 262°46	1.4/26.1	17	
5 21	18 50.02	-24 39.3	1.353	2.217	17.5	21.1	5 21	18 46.82	-19 17.0	1.662	2.515	15.3	21.7
5 31	18 45.00	-24 23.4	1.281	2.215	13.4	20.8	5 31	18 42.13	-19 21.5	1.578	2.505	11.8	21.4
6 10	18 36.83	-24 6.2	1.229	2.214	8.6	20.6	6 10	18 34.84	-19 31.3	1.515	2.496	7.7	21.1
6 20	18 26.36	-23 46.0	1.200	2.212	3.3	20.2	6 20	18 25.62	-19 45.3	1.476	2.486	3.3	20.8
6 30	18 14.97	-23 22.1	1.195	2.210	2.3	20.2	6 30	18 15.49	-20 2.0	1.463	2.477	2.4	20.8
7 10	18 4.28	-22 55.5	1.216	2.208	7.7	20.5	7 10	18 5.71	-20 20.0	1.476	2.467	6.9	21.0
7 20	17 55.65	-22 28.5	1.259	2.206	12.7	20.8	7 20	17 57.43	-20 38.7	1.514	2.457	11.3	21.2
7 30	17 50.08	-22 3.8	1.323	2.204	17.0	21.0	7 30	17 51.59	-20 57.8	1.573	2.447	15.2	21.5
<b>4415</b>	Echnaton		6 25.9 122°61	1.2/25.9	18		<b>342692</b>	2008 VT <sub>66</sub>		6 25.9 269°55	2.5/26.0	17	
5 21	18 50.09	-25 45.1	1.553	2.408	16.1	18.9	5 21	18 45.24	-17 43.4	1.881	2.727	14.1	21.5
5 31	18 44.65	-25 55.2	1.485	2.415	12.3	18.7	5 31	18 40.46	-17 21.6	1.803	2.726	10.9	21.2
6 10	18 36.40	-26 4.5	1.438	2.420	7.9	18.5	6 10	18 33.51	-17 4.0	1.748	2.725	7.2	21.0
6 20	18 26.14	-26 10.2	1.415	2.426	3.2	18.2	6 20	18 25.04	-16 50.8	1.717	2.724	3.6	20.8
6 30	18 15.14	-26 10.2	1.418	2.432	2.4	18.2	6 30	18 15.94	-16 42.4	1.713	2.723	3.0	20.8
7 10	18 4.80	-26 4.1	1.447	2.437	7.0	18.5	7 10	18 7.28	-16 38.7	1.736	2.723	6.4	21.0
7 20	17 56.34	-25 53.3	1.500	2.442	11.4	18.7	7 20	17 59.97	-16 39.8	1.784	2.722	10.2	21.2
7 30	17 50.63	-25 40.1	1.575	2.447	15.2	19.0	7 30	17 54.74	-16 45.3	1.854	2.721	13.5	21.4
<b>106738</b>	2000 WG <sub>187</sub>		6 25.9 164°08	1.5/26.2	18		<b>172551</b>	2003 UC <sub>94</sub>		6 25.9 342°22	8.6/25.5	18	
5 21	18 43.46	-17 37.9	2.633	3.465	11.0	19.9	5 21	18 42.56	-6 27.8	1.581	2.417	16.8	19.4
5 31	18 38.52	-17 42.4	2.552	3.468	8.4	19.7	5 31	18 38.73	-5 5.5	1.508	2.411	13.9	19.2
6 10	18 32.00	-17 51.0	2.496	3.471	5.5	19.5	6 10	18 32.56	-3 54.9	1.456	2.405	11.1	19.0
6 20	18 24.39	-18 3.1	2.466	3.474	2.5	19.3	6 20	18 24.71	-3 1.0	1.426	2.400	9.0	18.9
6 30	18 16.34	-18 17.8	2.465	3.476	2.0	19.3	6 30	18 16.16	-2 28.0	1.419	2.395	8.9	18.9
7 10	18 8.58	-18 34.5	2.492	3.478	4.8	19.5	7 10	18 8.04	-2 17.2	1.436	2.391	10.8	19.0
7 20	18 1.76	-18 52.6	2.546	3.480	7.7	19.7	7 20	18 1.35	-2 27.8	1.475	2.388	13.7	19.1
7 30	17 56.44	-19 11.5	2.626	3.482	10.4	19.9	7 30	17 56.88	-2 56.5	1.534	2.385	16.6	19.3
<b>441986</b>	2010 NG <sub>63</sub>		6 25.9 239°64	4.4/25.4	18		<b>323403</b>	2004 BZ <sub>29</sub>		6 25.9 48°53	3.8/25.9	17	
5 21	18 46.90	-35 59.5	2.492	3.320	11.6	21.0	5 21	18 49.96	-31 37.4	1.418	2.278	17.1	20.5
5 31	18 41.59	-36 37.3	2.408	3.315	9.2	20.8	5 31	18 44.90	-31 53.9	1.356	2.285	13.2	20.2
6 10	18 34.19	-37 9.1	2.347	3.309	6.7	20.7	6 10	18 36.70	-32 3.9	1.314	2.293	8.9	20.0
6 20	18 25.28	-37 31.5	2.313	3.303	4.7	20.5	6 20	18 26.29	-32 3.0	1.295	2.301	4.9	19.8
6 30	18 15.71	-37 41.6	2.305	3.297	4.6	20.5	6 30	18 15.12	-31 48.6	1.301	2.309	4.3	19.8
7 10	18 6.49	-37 38.8	2.325	3.291	6.6	20.6	7 10	18 4.81	-31 21.2	1.331	2.317	8.0	20.0
7 20	17 58.49	-37 24.1	2.371	3.285	9.1	20.8	7 20	17 56.67	-30 44.4	1.384	2.326	12.2	20.3
7 30	17 52.47	-37 0.2	2.440	3.279	11.6	20.9	7 30	17 51.61	-30 2.8	1.459	2.335	16.0	20.5
<b>302374</b>	2002 CE <sub>41</sub>		6 25.9 143°18	0.8/25.9	17		<b>482376</b>	2011 YC <sub>66</sub>		6 25.9 247°86	0.1/25.9	18	
5 21	18 44.92	-21 28.0	2.725	3.558	10.6	21.3	5 21	18 44.27	-21 39.7	2.595	3.432	11.0	21.6
5 31	18 39.50	-21 10.8	2.649	3.567	8.1	21.1	5 31	18 39.36	-22 6.8	2.500	3.419	8.4	21.4
6 10	18 32.54	-20 54.1	2.597	3.575	5.2	21.0	6 10	18 32.69	-22 37.0	2.428	3.407	5.4	21.2
6 20	18 24.57	-20 37.9	2.573	3.583	2.1	20.8	6 20	18 24.73	-23 8.5	2.383	3.394	2.0	21.0
6 30	18 16.25	-20 22.0	2.577	3.591	1.6	20.7	6 30	18 16.15	-23 39.5	2.367	3.381	1.4	20.9
7 10	18 8.30	-20 6.8	2.611	3.598	4.6	21.0	7 10	18 7.73	-24 8.5	2.379	3.368	4.8	21.1
7 20	18 1.35	-19 52.8	2.672	3.605	7.4	21.2	7 20	18 0.24	-24 34.7	2.419	3.354	8.0	21.3
7 30	17 55.92	-19 40.7	2.758	3.611	10.0	21.3	7 30	17 54.32	-24 58.0	2.484	3.340	10.9	21.5
<b>273916</b>	2007 HX <sub>73</sub>		6 25.9 56°66	8.3/27.3	17		<b>290707</b>	2005 UH <sub>402</sub>		6 25.9 14°12	4.3/25.7	17	
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>241195</b>	2007 <i>ST</i> <sub>16</sub>		6 25.9 236°80	1.8/26.0	18		<b>305564</b>	2008 <i>VO</i> <sub>76</sub>		6 25.9 90°38	1.8/26.2	17	
5 21	18 45.49	-18 30.5	2.233	3.070	12.5	21.1	5 21	18 49.72	-18 23.4	1.336	2.196	17.9	21.0
5 31	18 40.44	-18 18.0	2.141	3.060	9.6	20.9	5 31	18 44.58	-18 31.9	1.277	2.208	13.7	20.7
6 10	18 33.43	-18 8.8	2.073	3.050	6.3	20.7	6 10	18 36.46	-18 47.8	1.237	2.219	8.9	20.5
6 20	18 25.02	-18 2.5	2.030	3.039	2.9	20.5	6 20	18 26.24	-19 9.5	1.220	2.231	3.8	20.2
6 30	18 15.98	-17 59.2	2.016	3.027	2.4	20.4	6 30	18 15.26	-19 34.6	1.229	2.242	2.8	20.2
7 10	18 7.21	-17 58.6	2.029	3.016	5.7	20.6	7 10	18 5.03	-20 1.1	1.262	2.253	7.6	20.5
7 20	17 59.56	-18 0.7	2.069	3.004	9.2	20.8	7 20	17 56.81	-20 27.8	1.318	2.264	12.3	20.8
7 30	17 53.71	-18 5.6	2.132	2.992	12.3	21.0	7 30	17 51.50	-20 54.1	1.395	2.275	16.3	21.1
<b>409748</b>	2006 <i>DS</i> <sub>58</sub>		6 25.9 111°25	1.7/26.1	17		<b>430018</b>	2013 <i>RT</i> <sub>23</sub>		6 25.9 239°79	1.2/26.0	18	
5 21	18 50.86	-19 22.9	1.503	2.355	16.7	21.6	5 21	18 48.11	-20 7.5	1.944	2.786	13.9	21.6
5 31	18 45.07	-19 18.1	1.443	2.370	12.8	21.4	5 31	18 42.81	-20 3.1	1.851	2.773	10.7	21.3
6 10	18 36.57	-19 18.0	1.403	2.384	8.3	21.2	6 10	18 35.16	-20 1.7	1.780	2.759	7.0	21.1
6 20	18 26.21	-19 21.6	1.388	2.398	3.5	20.9	6 20	18 25.77	-20 2.5	1.735	2.745	2.9	20.8
6 30	18 15.21	-19 27.7	1.398	2.411	2.6	20.9	6 30	18 15.55	-20 4.7	1.717	2.730	2.1	20.7
7 10	18 4.96	-19 35.4	1.434	2.424	7.1	21.2	7 10	18 5.60	-20 7.7	1.726	2.715	6.3	20.9
7 20	17 56.58	-19 44.7	1.494	2.436	11.5	21.5	7 20	17 56.96	-20 11.5	1.761	2.699	10.3	21.1
7 30	17 50.89	-19 55.6	1.577	2.448	15.2	21.8	7 30	17 50.48	-20 16.7	1.819	2.682	13.9	21.3
<b>439194</b>	2012 <i>BD</i> <sub>9</sub>		6 25.9 153°39	0.2/25.9	18		<b>435777</b>	2008 <i>UV</i> <sub>297</sub>		6 25.9 252°05	1.7/25.9	16	
5 21	18 43.76	-24 29.1	2.901	3.735	10.0	21.3	5 21	18 47.58	-27 47.1	1.924	2.771	13.8	21.9
5 31	18 38.62	-24 24.1	2.821	3.740	7.6	21.2	5 31	18 42.46	-27 56.0	1.840	2.765	10.6	21.7
6 10	18 32.01	-24 18.4	2.766	3.745	4.8	21.0	6 10	18 34.93	-28 2.5	1.779	2.758	6.9	21.5
6 20	18 24.40	-24 11.2	2.738	3.749	1.8	20.8	6 20	18 25.66	-28 4.2	1.742	2.752	3.1	21.2
6 30	18 16.44	-24 2.1	2.739	3.754	1.3	20.7	6 30	18 15.65	-27 59.2	1.733	2.745	2.5	21.2
7 10	18 8.80	-23 51.2	2.770	3.758	4.3	21.0	7 10	18 6.05	-27 47.3	1.750	2.738	6.3	21.4
7 20	18 2.09	-23 39.0	2.828	3.761	7.0	21.2	7 20	17 57.92	-27 29.7	1.793	2.731	10.1	21.6
7 30	17 56.82	-23 26.3	2.911	3.765	9.5	21.3	7 30	17 52.08	-27 8.8	1.859	2.724	13.5	21.8
<b>478594</b>	2012 <i>TF</i> <sub>117</sub>		6 25.9 329°13	4.1/25.8	16		<b>519221</b>	2010 <i>UM</i> <sub>109</sub>		6 25.9 243°77	0.6/26.0	16	
5 21	18 43.19	-16 28.3	1.498	2.359	16.3	21.2	5 21	18 43.41	-21 15.9	2.623	3.460	10.8	22.3
5 31	18 39.50	-15 41.4	1.417	2.347	12.7	21.0	5 31	18 38.63	-21 16.3	2.530	3.450	8.3	22.1
6 10	18 33.22	-14 58.8	1.356	2.334	8.7	20.7	6 10	18 32.19	-21 18.4	2.462	3.440	5.3	21.9
6 20	18 25.02	-14 22.7	1.318	2.323	5.0	20.5	6 20	18 24.56	-21 21.4	2.420	3.431	2.1	21.6
6 30	18 15.97	-13 55.0	1.305	2.312	4.6	20.4	6 30	18 16.41	-21 24.6	2.406	3.420	1.5	21.6
7 10	18 7.33	-13 37.1	1.316	2.302	8.2	20.6	7 10	18 8.50	-21 27.7	2.421	3.410	4.7	21.8
7 20	18 0.26	-13 29.5	1.350	2.292	12.4	20.8	7 20	18 1.52	-21 30.5	2.463	3.399	7.8	22.0
7 30	17 55.66	-13 31.6	1.405	2.284	16.3	21.0	7 30	17 56.08	-21 33.5	2.530	3.389	10.6	22.1
<b>475902</b>	2007 <i>DG</i> <sub>60</sub>		6 25.9 169°36	1.5/25.8	18		<b>453</b>	<i>Tea</i>		6 25.9 32°26	5.7/25.6	18	
5 21	18 45.25	-28 29.6	2.722	3.556	10.6	21.7	5 21	18 49.67	-32 22.7	1.092	1.969	19.9	13.2
5 31	18 39.93	-28 38.7	2.641	3.559	8.1	21.5	5 31	18 45.60	-33 12.0	1.039	1.976	15.5	12.9
6 10	18 32.93	-28 45.3	2.584	3.561	5.3	21.4	6 10	18 37.63	-33 55.0	1.003	1.983	10.8	12.7
6 20	18 24.78	-28 47.7	2.555	3.563	2.4	21.2	6 20	18 26.81	-34 24.0	0.987	1.991	6.6	12.5
6 30	18 16.18	-28 44.8	2.553	3.564	2.1	21.1	6 30	18 14.91	-34 33.4	0.994	1.999	6.2	12.5
7 10	18 7.93	-28 36.5	2.581	3.566	4.8	21.3	7 10	18 4.05	-34 22.4	1.023	2.008	10.1	12.7
7 20	18 0.72	-28 23.5	2.636	3.567	7.6	21.5	7 20	17 55.91	-33 54.8	1.073	2.018	14.6	13.0
7 30	17 55.13	-28 7.3	2.715	3.567	10.2	21.7	7 30	17 51.57	-33 17.2	1.141	2.028	18.7	13.3
<b>201679</b>	2003 <i>UT</i> <sub>88</sub>		6 25.9 249°39	0.4/25.8	18		<b>294319</b>	2007 <i>VT</i> <sub>51</sub>		6 25.9 249°45	2.1/25.8	18	
5 21	18 46.84	-21 16.1	2.049	2.892	13.2	20.1	5 21	18 46.83	-28 38.7	2.129	2.972	12.8	21.1
5 31	18 41.80	-22 2.9	1.960	2.883	10.1	19.9	5 31	18 41.73	-28 58.5	2.042	2.964	9.8	20.9
6 10	18 34.50	-22 55.2	1.894	2.875	6.5	19.7	6 10	18 34.40	-29 16.3	1.979	2.956	6.5	20.6
6 20	18 25.49	-23 50.1	1.854	2.866	2.5	19.4	6 20	18 25.46	-29 29.0	1.940	2.948	3.1	20.4
6 30	18 15.64	-24 44.1	1.842	2.857	1.8	19.3	6 30	18 15.79	-29 34.7	1.929	2.940	2.7	20.4
7 10	18 6.00	-25 34.3	1.859	2.847	5.9	19.6	7 10	18 6.48	-29 32.5	1.946	2.931	6.0	20.6
7 20	17 57.56	-26 19.1	1.901	2.838	9.7	19.8	7 20	17 58.46	-29 23.3	1.988	2.922	9.5	20.7
7 30	17 51.18	-26 57.9	1.967	2.828	13.1	20.0	7 30	17 52.54	-29 9.1	2.054	2.914	12.7	20.9
<b>322757</b>	2001 <i>DF</i> <sub>17</sub>		6 25.9 164°11	1.0/25.8	17		<b>90022</b>	<i>Apache Point</i>		6 25.9 133°74	3.6/26.6	17	
5 21	18 50.95	-24 11.0	1.929	2.770	14.0	21.6	5 21	18 47.34	-12 35.6	1.726	2.564	15.5	20.0
5 31	18 44.89	-24 41.8	1.854	2.776	10.7	21.4	5 31	18 42.21	-12 45.3	1.655	2.570	12.2	19.8
6 10	18 36.40	-25 14.1	1.801	2.781	6.8	21.2	6 10	18 34.74	-13 6.1	1.605	2.576	8.4	19.6
6 20	18 26.17	-25 44.8	1.774	2.785	2.7	21.0	6 20	18 25.58	-13 37.6	1.579	2.581	4.8	19.4
6 30	18 15.23	-26 11.2	1.776	2.789	2.1	20.9	6 30	18 15.73	-14 18.4	1.579	2.586	4.0	19.3
7 10	18 4.73	-26 31.6	1.805	2.792	6.2	21.2	7 10	18 6.33	-15 6.0	1.606	2.591	7.1	19.5
7 20	17 55.74	-26 45.8	1.860	2.794	10.0	21.4	7 20	17 58.39	-15 57.6	1.658	2.596	10.9	19.8
7 30	17 49.06	-26 55.3	1.938	2.796	13.4	21.6	7 30	17 52.71	-16 50.9	1.733	2.600	14.3	20.0
<b>86363</b>	1999 <i>XT</i> <sub>179</sub>		6 25.9 8°86	2.7/25.5	18		<b>192747</b>	1999 <i>TX</i> <sub>242</sub>		6 25.9 325°13	6.4/25.1	18	
5 21	18 47.03	-24 30.7	1.081	1.964	19.6	18.7	5 21	18 47.25	-35 28.0	1.553	2.408	16.1	19.2
5 31	18 43.55	-25 35.1	1.020	1.964	15.0	18.4	5 31	18 43.19	-36 28.2	1.474	2.396	12.9	19.0
6 10	18 36.38	-26 45.5	0.977	1.965	9.8	18.2	6 10	18 35.93	-37 22.6	1.416	2.384	9.5	18.8
6 20	18 26.36	-27 55.2	0.955	1.966	4.3	17.9	6 20	18 26.20	-38 4.4	1.380	2.373	6.8	18.6
6 30	18 15.06	-28 56.7	0.956	1.969	3.9	17.8	6 30	18 15.26	-38 27.7	1.369	2.363	6.8	18.6
7 10	18 4.45	-29 44.9	0.980	1.972	9.2	18.1	7 10	18 4.77	-38 30.3	1.381	2.353	9.5	18.7
7 20	17 56.24	-30 18.6	1.024	1.975	14.5	18.4	7 20	17 56.21	-38 13.9	1.416	2.343	13.1	18.9
7 30	17 51.66	-30 39.7	1.087	1.980	19.0	18.7	7 30	17 50.72	-37 43.3	1.471	2.334	16.6	19.1
<b>96751</b>	1999 <i>RY</i> <sub>12</sub>		6 25.9 285°58	1.2/25.9	18		<b>377761</b>	2005 <i>YO</i> <sub>60&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>250903</b>	2005 <i>VD</i> <sub>103</sub>		6 25.9 172°49'	2°9'/25.8 18			<b>40974</b>	1999 <i>TS</i> <sub>269</sub>		6 25.9 108°30'	0°9'/25.9 18		
5 21	18 44.12	-15 45.1	2.621	3.449	11.1	20.4	5 21	18 45.45	-26 34.2	2.408	3.248	11.6	19.6
5 31	18 38.98	-15 4.3	2.540	3.450	8.6	20.2	5 31	18 40.22	-26 30.6	2.333	3.255	8.8	19.4
6 10	18 32.30	-14 26.7	2.482	3.452	5.9	20.0	6 10	18 33.19	-26 25.0	2.283	3.262	5.6	19.2
6 20	18 24.58	-13 53.1	2.452	3.453	3.5	19.9	6 20	18 24.95	-26 16.3	2.258	3.269	2.3	19.0
6 30	18 16.47	-13 24.8	2.450	3.453	3.2	19.9	6 30	18 16.29	-26 3.6	2.262	3.275	1.7	19.0
7 10	18 8.69	-13 2.4	2.476	3.454	5.4	20.0	7 10	18 8.05	-25 47.3	2.294	3.282	5.0	19.2
7 20	18 1.87	-12 46.3	2.530	3.454	8.2	20.2	7 20	18 0.99	-25 28.3	2.353	3.289	8.2	19.4
7 30	17 56.56	-12 36.6	2.608	3.455	10.7	20.3	7 30	17 55.70	-25 8.3	2.436	3.295	10.9	19.6
<b>377715</b>	2005 <i>WV</i> <sub>101</sub>		6 25.9 294°59'	0°1'/25.9 18			<b>60327</b>	2000 <i>AW</i> <sub>5</sub>		6 25.9 325°67'	0°1'/25.9 17		
5 21	18 46.47	-23 45.8	1.612	2.471	15.4	19.6	5 21	18 44.84	-22 5.6	1.724	2.581	14.7	19.3
5 31	18 42.14	-23 42.4	1.519	2.451	11.9	19.4	5 31	18 40.58	-22 23.5	1.644	2.575	11.2	19.0
6 10	18 35.05	-23 39.4	1.448	2.431	7.7	19.1	6 10	18 33.87	-22 44.9	1.586	2.569	7.2	18.8
6 20	18 25.82	-23 35.3	1.400	2.412	3.0	18.7	6 20	18 25.34	-23 7.8	1.551	2.563	2.8	18.5
6 30	18 15.55	-23 28.6	1.378	2.392	2.1	18.6	6 30	18 15.99	-23 29.8	1.543	2.557	1.9	18.4
7 10	18 5.56	-23 19.2	1.381	2.373	7.1	18.9	7 10	18 7.01	-23 49.5	1.560	2.552	6.4	18.7
7 20	17 57.14	-23 7.9	1.408	2.353	11.7	19.1	7 20	17 59.50	-24 6.3	1.603	2.547	10.6	18.9
7 30	17 51.31	-22 56.4	1.457	2.334	15.9	19.3	7 30	17 54.31	-24 20.4	1.667	2.543	14.3	19.1
<b>209639</b>	2005 <i>BU</i> <sub>11</sub>		6 25.9 85°95'	0°3'/25.9 17			<b>364137</b>	2006 <i>CM</i> <sub>4</sub>		6 25.9 134°85'	2°5'/26.1 17		
5 21	18 50.03	-22 9.1	1.446	2.304	16.9	20.7	5 21	18 50.43	-18 17.0	1.507	2.358	16.7	21.6
5 31	18 44.62	-22 15.1	1.388	2.319	12.9	20.5	5 31	18 44.85	-17 59.0	1.440	2.366	12.9	21.4
6 10	18 36.38	-22 23.7	1.350	2.333	8.2	20.3	6 10	18 36.55	-17 46.1	1.395	2.374	8.5	21.2
6 20	18 26.21	-22 32.9	1.336	2.347	3.1	20.0	6 20	18 26.32	-17 38.1	1.373	2.381	4.0	20.9
6 30	18 15.39	-22 40.9	1.347	2.362	2.1	20.0	6 30	18 15.39	-17 34.6	1.376	2.388	3.2	20.9
7 10	18 5.34	-22 46.7	1.384	2.376	7.1	20.3	7 10	18 5.13	-17 35.6	1.406	2.395	7.4	21.2
7 20	17 57.25	-22 50.8	1.445	2.390	11.6	20.6	7 20	17 56.68	-17 40.7	1.460	2.401	11.8	21.4
7 30	17 51.95	-22 54.1	1.527	2.404	15.4	20.9	7 30	17 50.90	-17 49.9	1.535	2.406	15.6	21.7
<b>700</b>	<i>Auravictrix</i>		6 25.9 62°61'	0°3'/25.9 18 R			<b>218585</b>	2005 <i>KE</i> <sub>10</sub>		6 25.9 343°40'	2°5'/25.6 18		
5 21	18 49.09	-20 11.4	1.243	2.110	18.5	14.1	5 21	18 41.62	-25 9.8	1.102	1.991	18.8	19.5
5 31	18 44.40	-20 48.6	1.185	2.121	14.1	13.9	5 31	18 39.49	-25 57.9	1.031	1.978	14.5	19.2
6 10	18 36.52	-21 33.4	1.148	2.132	9.0	13.7	6 10	18 33.90	-26 50.8	0.978	1.967	9.5	18.8
6 20	18 26.34	-22 22.1	1.132	2.144	3.4	13.4	6 20	18 25.54	-27 43.3	0.946	1.957	4.2	18.5
6 30	18 15.28	-23 10.2	1.141	2.156	2.3	13.3	6 30	18 15.83	-28 29.5	0.935	1.948	3.7	18.5
7 10	18 4.98	-23 54.0	1.174	2.167	7.8	13.7	7 10	18 6.60	-29 5.1	0.947	1.941	9.0	18.7
7 20	17 56.82	-24 31.9	1.230	2.179	12.7	14.0	7 20	17 59.52	-29 28.9	0.979	1.935	14.4	19.0
7 30	17 51.78	-25 4.0	1.306	2.191	16.9	14.3	7 30	17 55.88	-29 42.4	1.029	1.931	19.0	19.3
<b>89788</b>	2002 <i>AE</i> <sub>115</sub>		6 25.9 15°90'	5°0'/27.4 16			<b>147220</b>	2002 <i>XZ</i> <sub>14</sub>		6 25.9 150°21'	0°3'/25.9 17		
5 21	18 42.26	- 7 55.6	1.735	2.570	15.6	18.7	5 21	18 49.05	-22 13.3	1.896	2.740	14.1	21.2
5 31	18 38.34	- 8 16.2	1.666	2.575	12.5	18.5	5 31	18 43.41	-22 18.8	1.823	2.747	10.7	21.0
6 10	18 32.27	- 8 52.7	1.618	2.581	9.1	18.3	6 10	18 35.45	-22 26.1	1.773	2.753	6.9	20.8
6 20	18 24.66	- 9 45.0	1.594	2.587	6.0	18.1	6 20	18 25.89	-22 33.7	1.747	2.759	2.6	20.5
6 30	18 16.43	-10 51.2	1.595	2.595	5.1	18.1	6 30	18 15.70	-22 40.1	1.750	2.764	1.8	20.4
7 10	18 8.60	-12 7.6	1.622	2.603	7.4	18.3	7 10	18 6.01	-22 44.7	1.779	2.769	6.0	20.7
7 20	18 2.10	-13 29.8	1.674	2.612	10.7	18.5	7 20	17 57.80	-22 47.6	1.835	2.773	9.9	21.0
7 30	17 57.66	-14 53.8	1.749	2.622	13.9	18.7	7 30	17 51.82	-22 49.7	1.913	2.777	13.3	21.2
<b>253093</b>	2002 <i>TY</i> <sub>263</sub>		6 25.9 230°86'	15°6'/23.1 18			<b>347301</b>	2011 <i>OR</i> <sub>35</sub>		6 25.9 296°59'	1°1'/25.8 18		
5 21	18 50.55	+ 0 37.6	1.206	2.025	22.0	20.0	5 21	18 45.78	-24 15.3	1.851	2.704	14.0	20.9
5 31	18 45.52	+ 3 25.0	1.143	2.019	19.3	19.8	5 31	18 41.25	-24 46.2	1.767	2.695	10.7	20.7
6 10	18 37.30	+ 5 55.7	1.098	2.013	17.0	19.6	6 10	18 34.30	-25 19.5	1.705	2.687	6.9	20.4
6 20	18 26.69	+ 7 57.5	1.073	2.007	15.7	19.5	6 20	18 25.54	-25 52.2	1.668	2.679	2.8	20.1
6 30	18 15.02	+ 9 19.8	1.069	2.000	16.0	19.5	6 30	18 15.93	-26 21.5	1.657	2.671	2.2	20.1
7 10	18 3.88	+ 9 57.7	1.085	1.993	17.8	19.6	7 10	18 6.64	-26 45.4	1.673	2.663	6.3	20.3
7 20	17 54.71	+ 9 52.9	1.118	1.986	20.4	19.7	7 20	17 58.74	-27 3.4	1.714	2.655	10.3	20.6
7 30	17 48.58	+ 9 12.2	1.167	1.978	23.2	19.9	7 30	17 53.09	-27 16.3	1.778	2.647	13.9	20.8
<b>246206</b>	2007 <i>RV</i> <sub>143</sub>		6 25.9 321°30'	5°7'/25.9 17			<b>416793</b>	2005 <i>GR</i> <sub>83</sub>		6 25.9 88°04'	1°5'/25.9 17		
5 21	18 43.24	-14 48.1	1.148	2.023	19.2	20.6	5 21	18 50.79	-26 24.2	1.492	2.349	16.5	21.8
5 31	18 40.32	-13 54.1	1.071	2.007	15.3	20.3	5 31	18 45.25	-26 36.7	1.432	2.362	12.6	21.6
6 10	18 34.20	-13 7.1	1.011	1.991	10.8	20.0	6 10	18 36.84	-26 47.8	1.393	2.375	8.1	21.4
6 20	18 25.58	-12 30.8	0.972	1.976	6.7	19.7	6 20	18 26.46	-26 54.5	1.378	2.388	3.4	21.1
6 30	18 15.75	-12 8.1	0.955	1.961	6.2	19.6	6 30	18 15.40	-26 54.3	1.388	2.401	2.6	21.1
7 10	18 6.32	-12 0.8	0.960	1.947	10.2	19.8	7 10	18 5.14	-26 47.2	1.424	2.414	7.1	21.4
7 20	17 58.82	-12 8.7	0.986	1.935	15.1	20.0	7 20	17 56.86	-26 34.8	1.484	2.427	11.5	21.7
7 30	17 54.41	-12 29.9	1.029	1.923	19.7	20.3	7 30	17 51.42	-26 19.6	1.565	2.439	15.2	21.9
<b>257433</b>	2010 <i>NX</i> <sub>5</sub>		6 25.9 326°69'	0°7'/25.9 18			<b>102329</b>	1999 <i>TM</i> <sub>110</sub>		6 25.9 236°83'	3°8'/26.1 18		
5 21	18 44.91	-25 51.6	1.914	2.766	13.6	19.9	5 21	18 47.72	-15 9.5	1.696	2.540	15.5	19.6
5 31	18 40.38	-25 43.0	1.831	2.759	10.4	19.7	5 31	18 42.72	-14 40.1	1.612	2.531	12.2	19.4
6 10	18 33.59	-25 32.6	1.770	2.752	6.7	19.4	6 10	18 35.22	-14 16.9	1.549	2.523	8.4	19.1
6 20	18 25.17	-25 19.0	1.734	2.745	2.6	19.2	6 20	18 25.89	-14 1.2	1.510	2.514	4.8	18.9
6 30	18 16.09	-25 1.4	1.725	2.739	1.9	19.1	6 30	18 15.73	-13 53.5	1.498	2.504	4.2	18.9
7 10	18 7.43	-24 40.4	1.742	2.733	6.0	19.4	7 10	18 5.94	-13 54.2	1.511	2.494	7.6	19.0
7 20	18 0.17	-24 17.2	1.784	2.727	9.9	19.6	7 20	17 57.61	-14 2.8	1.549	2.484	11.6	19.2
7 30	17 55.07	-23 53.7	1.850	2.721	13.3	19.8	7 30	17 51.61	-14 18.5	1.608	2.474	15.3	19.4
<b>466467</b>	2013 <i>TO</i> <sub>128</sub>		6 25.9 356°11'	13°6'/24.9 17			<b>56</b>						

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>70884</b>	1999 <i>VF</i> <sub>163</sub>		6 25.9 289°56	3°8/25.4	18		<b>515440</b>	2013 <i>RU</i> <sub>65</sub>		6 25.9 329°83	0°2/25.9	18	
5 21	18 48.24	-30 53.2	1.823	2.671	14.4	20.1	5 21	18 40.69	-23 58.1	2.551	3.396	10.8	20.9
5 31	18 43.56	-31 35.1	1.723	2.646	11.3	19.9	5 31	18 36.73	-24 0.7	2.458	3.383	8.3	20.7
6 10	18 36.07	-32 15.3	1.645	2.621	7.8	19.6	6 10	18 31.10	-24 3.6	2.389	3.370	5.3	20.5
6 20	18 26.33	-32 49.1	1.592	2.595	4.5	19.4	6 20	18 24.27	-24 5.9	2.346	3.357	2.0	20.2
6 30	18 15.39	-33 11.9	1.564	2.570	4.4	19.3	6 30	18 16.92	-24 6.5	2.331	3.345	1.4	20.1
7 10	18 4.59	-33 21.4	1.563	2.544	7.7	19.4	7 10	18 9.81	-24 5.3	2.343	3.333	4.7	20.4
7 20	17 55.25	-33 18.1	1.586	2.518	11.6	19.6	7 20	18 3.64	-24 2.4	2.382	3.322	7.9	20.5
7 30	17 48.48	-33 4.7	1.631	2.492	15.3	19.8	7 30	17 59.01	-23 58.5	2.445	3.311	10.7	20.7
<b>260321</b>	2004 <i>TW</i> <sub>155</sub>		6 25.9 225°70	0°5/25.9	18		<b>229504</b>	2005 <i>WA</i> <sub>4</sub>		6 25.9 196°30	1°7/26.2	18	
5 21	18 43.94	-24 38.6	2.827	3.662	10.2	22.1	5 21	18 47.56	-17 27.2	2.301	3.131	12.4	21.6
5 31	18 38.98	-24 48.7	2.735	3.654	7.8	22.0	5 31	18 41.98	-17 32.2	2.213	3.128	9.5	21.4
6 10	18 32.43	-24 58.9	2.667	3.646	5.0	21.8	6 10	18 34.47	-17 42.1	2.150	3.124	6.3	21.2
6 20	18 24.74	-25 7.8	2.626	3.637	1.9	21.5	6 20	18 25.58	-17 56.1	2.112	3.120	2.9	21.0
6 30	18 16.55	-25 14.3	2.614	3.628	1.4	21.5	6 30	18 16.07	-18 13.2	2.103	3.115	2.2	20.9
7 10	18 8.60	-25 17.9	2.631	3.619	4.5	21.7	7 10	18 6.84	-18 32.4	2.123	3.109	5.5	21.1
7 20	18 1.54	-25 18.6	2.676	3.610	7.4	21.9	7 20	17 58.72	-18 52.9	2.170	3.103	8.9	21.3
7 30	17 55.95	-25 17.3	2.745	3.600	10.0	22.0	7 30	17 52.39	-19 14.4	2.241	3.096	11.9	21.5
<b>439708</b>	2014 <i>LF</i> <sub>6</sub>		6 25.9 71°05	0°5/25.9	18		<b>432833</b>	2011 <i>HW</i> <sub>27</sub>		6 25.9 37°27	6°1/27.5	17	
5 21	18 44.51	-22 57.9	2.277	3.120	12.1	21.0	5 21	18 44.55	-6 51.6	1.540	2.375	17.2	20.0
5 31	18 39.74	-23 28.8	2.198	3.122	9.2	20.8	5 31	18 40.30	-6 57.3	1.477	2.384	13.9	19.8
6 10	18 33.05	-24 2.1	2.143	3.124	5.8	20.6	6 10	18 33.64	-7 20.7	1.434	2.393	10.3	19.6
6 20	18 25.01	-24 35.5	2.115	3.126	2.3	20.4	6 20	18 25.29	-8 2.5	1.413	2.403	7.1	19.5
6 30	18 16.38	-25 6.9	2.114	3.128	1.6	20.3	6 30	18 16.28	-9 1.3	1.417	2.413	6.2	19.5
7 10	18 8.06	-25 34.7	2.141	3.130	5.2	20.6	7 10	18 7.77	-10 13.3	1.446	2.424	8.5	19.6
7 20	18 0.87	-25 58.3	2.195	3.132	8.6	20.8	7 20	18 0.80	-11 33.8	1.499	2.435	11.9	19.8
7 30	17 55.48	-26 17.8	2.272	3.134	11.5	21.0	7 30	17 56.16	-12 57.9	1.574	2.446	15.2	20.1
<b>172120</b>	2002 <i>GZ</i> <sub>131</sub>		6 25.9 346°21	1°5/25.9	17		<b>383277</b>	2006 <i>DW</i> <sub>145</sub>		6 25.9 262°70	1°2/25.9	18	
5 21	18 47.25	-25 30.6	1.291	2.162	17.7	20.1	5 21	18 47.85	-25 44.3	1.958	2.804	13.6	22.1
5 31	18 43.21	-25 47.7	1.221	2.159	13.6	19.8	5 31	18 42.80	-25 59.0	1.863	2.787	10.5	21.8
6 10	18 35.93	-26 5.4	1.171	2.156	8.8	19.5	6 10	18 35.32	-26 13.6	1.790	2.770	6.8	21.6
6 20	18 26.25	-26 20.2	1.142	2.154	3.6	19.2	6 20	18 25.99	-26 25.7	1.742	2.753	2.8	21.3
6 30	18 15.53	-26 29.0	1.138	2.152	2.7	19.1	6 30	18 15.76	-26 33.1	1.722	2.735	2.2	21.2
7 10	18 5.42	-26 30.7	1.157	2.150	7.9	19.4	7 10	18 5.79	-26 34.8	1.728	2.717	6.3	21.4
7 20	17 57.39	-26 26.2	1.199	2.149	12.9	19.7	7 20	17 57.15	-26 31.3	1.761	2.699	10.3	21.6
7 30	17 52.48	-26 17.8	1.261	2.149	17.2	20.0	7 30	17 50.74	-26 24.1	1.816	2.680	13.8	21.8
<b>86920</b>	2000 <i>HM</i> <sub>56</sub>		6 25.9 336°49	3°5/26.3	18		<b>165218</b>	2000 <i>SV</i> <sub>37</sub>		6 25.9 202°88	3°0/25.6	17	
5 21	18 42.98	-15 57.3	1.332	2.200	17.5	19.0	5 21	18 52.12	-28 45.8	1.760	2.605	15.0	20.4
5 31	18 39.72	-15 42.9	1.257	2.190	13.7	18.7	5 31	18 46.32	-29 28.3	1.679	2.601	11.6	20.2
6 10	18 33.61	-15 37.4	1.200	2.181	9.3	18.4	6 10	18 37.68	-30 9.7	1.620	2.597	7.7	20.0
6 20	18 25.36	-15 41.4	1.165	2.173	4.9	18.1	6 20	18 26.91	-30 45.4	1.586	2.593	4.0	19.7
6 30	18 16.12	-15 54.7	1.154	2.165	4.1	18.1	6 30	18 15.15	-31 11.0	1.579	2.588	3.6	19.7
7 10	18 7.31	-16 16.1	1.167	2.158	8.2	18.3	7 10	18 3.81	-31 24.7	1.599	2.582	7.3	19.9
7 20	18 0.22	-16 44.1	1.202	2.152	12.9	18.5	7 20	17 54.15	-31 27.1	1.643	2.575	11.3	20.1
7 30	17 55.86	-17 16.8	1.256	2.146	17.1	18.8	7 30	17 47.16	-31 21.0	1.710	2.568	14.9	20.3
<b>335469</b>	2005 <i>WB</i> <sub>63</sub>		6 25.9 107°49	1°2/25.9	17		<b>425639</b>	2010 <i>VU</i> <sub>164</sub>		6 25.9 253°98	4°6/25.3	17	
5 21	18 49.70	-22 22.6	1.847	2.691	14.4	20.4	5 21	18 51.09	-31 37.5	1.631	2.481	15.7	21.1
5 31	18 43.78	-21 45.1	1.779	2.703	11.0	20.2	5 31	18 45.96	-32 32.1	1.547	2.470	12.3	20.8
6 10	18 35.61	-21 7.1	1.735	2.714	7.0	20.0	6 10	18 37.69	-33 24.3	1.485	2.459	8.6	20.6
6 20	18 25.94	-20 28.8	1.715	2.726	2.9	19.7	6 20	18 26.99	-34 8.2	1.446	2.447	5.3	20.4
6 30	18 15.82	-19 51.1	1.723	2.737	2.2	19.7	6 30	18 15.07	-34 38.0	1.433	2.436	5.1	20.3
7 10	18 6.34	-19 15.5	1.759	2.747	6.2	20.0	7 10	18 3.50	-34 51.4	1.445	2.424	8.5	20.5
7 20	17 58.44	-18 43.7	1.820	2.758	10.0	20.3	7 20	17 53.74	-34 49.1	1.482	2.411	12.4	20.7
7 30	17 52.80	-18 17.0	1.905	2.768	13.4	20.5	7 30	17 46.92	-34 34.9	1.539	2.399	16.1	20.9
<b>87356</b>	2000 <i>QU</i> <sub>36</sub>		6 25.9 263°87	1°9/26.2	18		<b>383169</b>	2005 <i>VZ</i> <sub>73</sub>		6 25.9 283°90	1°9/25.6	17	
5 21	18 43.95	-17 45.4	2.215	3.055	12.5	19.6	5 21	18 47.77	-24 58.1	1.672	2.527	15.1	21.1
5 31	18 39.34	-17 38.3	2.127	3.047	9.6	19.4	5 31	18 43.10	-25 48.2	1.591	2.520	11.6	20.8
6 10	18 32.82	-17 35.4	2.062	3.038	6.4	19.2	6 10	18 35.68	-26 41.6	1.532	2.514	7.6	20.6
6 20	18 24.94	-17 36.5	2.022	3.030	3.0	18.9	6 20	18 26.17	-27 34.2	1.497	2.507	3.3	20.3
6 30	18 16.45	-17 41.3	2.010	3.021	2.4	18.9	6 30	18 15.64	-28 21.3	1.488	2.500	2.8	20.2
7 10	18 8.23	-17 49.3	2.025	3.012	5.6	19.1	7 10	18 5.44	-28 59.8	1.506	2.494	7.1	20.5
7 20	18 1.11	-18 0.0	2.066	3.004	9.0	19.3	7 20	17 56.82	-29 28.7	1.548	2.487	11.3	20.7
7 30	17 55.75	-18 13.2	2.131	2.995	12.1	19.5	7 30	17 50.76	-29 49.1	1.612	2.481	15.1	20.9
<b>332858</b>	2010 <i>TX</i> <sub>176</sub>		6 25.9 178°20	8°0/25.7	17		<b>307533</b>	2003 <i>BE</i> <sub>52</sub>		6 25.9 110°43	1°1/26.1	17	
5 21	18 48.43	+ 1 58.5	2.270	3.054	14.0	21.6	5 21	18 48.97	-20 38.5	1.811	2.657	14.6	20.6
5 31	18 42.46	+ 0 42.2	2.194	3.057	11.8	21.5	5 31	18 43.33	-20 31.3	1.747	2.670	11.1	20.4
6 10	18 34.66	+ 0 22.5	2.141	3.059	9.7	21.3	6 10	18 35.40	-20 26.7	1.704	2.684	7.1	20.2
6 20	18 25.60	+ 1 12.0	2.112	3.060	8.3	21.2	6 20	18 25.92	-20 23.9	1.687	2.697	2.9	20.0
6 30	18 16.03	+ 1 43.4	2.110	3.060	8.2	21.2	6 30	18 15.91	-20 22.1	1.696	2.710	2.1	20.0
7 10	18 6.82	+ 1 55.6	2.134	3.059	9.5	21.3	7 10	18 6.50	-20 21.0	1.733	2.723	6.2	20.2
7 20	17 58.71	+ 1 49.5	2.183	3.058	11.5	21.4	7 20	17 58.65	-20 21.0	1.795	2.735	10.0	20.5
7 30	17 52.35	+ 1 27.8	2.255	3.055	13.7	21.6	7 30	17 53.06	-20 22.4	1.880	2.747	13.4	20.7
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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>78814</b>	2003 $PX_3$		6 25.9 265°71	1°3/26.1	18		<b>5326</b>	Vittoriosacco		6 25.9 342°78	11°5/27.3	18	
5 21	18 43.13	-18 53.4	2.806	3.638	10.4	20.2	5 21	18 41.84	+ 0 55.1	1.446	2.263	19.0	16.3
5 31	18 38.43	-18 49.8	2.700	3.616	8.0	20.0	5 31	18 38.50	+ 1 57.1	1.376	2.257	16.4	16.1
6 10	18 32.14	-18 48.9	2.619	3.595	5.2	19.8	6 10	18 32.67	+ 2 37.7	1.325	2.251	13.9	16.0
6 20	18 24.69	-18 50.4	2.565	3.573	2.4	19.6	6 20	18 25.00	+ 2 51.0	1.293	2.245	12.0	15.8
6 30	18 16.69	-18 53.9	2.539	3.551	1.8	19.5	6 30	18 16.53	+ 2 33.7	1.283	2.240	11.6	15.8
7 10	18 8.83	-18 58.9	2.542	3.529	4.7	19.7	7 10	18 8.45	+ 1 46.4	1.294	2.236	12.9	15.9
7 20	18 1.77	-19 5.4	2.572	3.506	7.7	19.8	7 20	18 1.87	+ 0 33.4	1.326	2.233	15.3	16.0
7 30	17 56.12	-19 13.3	2.628	3.483	10.4	20.0	7 30	17 57.65	- 0 58.6	1.378	2.230	18.1	16.2
<b>174556</b>	2003 $FT_{95}$		6 25.9 151°04	4°6/25.8	18		<b>57125</b>	2001 $OA_{103}$		6 25.9 147°89	2°9/26.1	18	
5 21	18 49.42	-37 52.8	2.483	3.304	11.9	20.5	5 21	18 48.74	-32 33.6	2.151	2.988	12.9	17.9
5 31	18 43.49	-38 19.3	2.408	3.309	9.5	20.3	5 31	18 43.10	-32 31.9	2.073	2.990	10.0	17.7
6 10	18 35.44	-38 37.8	2.357	3.313	7.0	20.2	6 10	18 35.25	-32 23.8	2.018	2.991	6.8	17.5
6 20	18 25.94	-38 44.8	2.331	3.317	5.0	20.1	6 20	18 25.89	-32 6.8	1.988	2.992	3.7	17.3
6 30	18 15.90	-38 38.2	2.332	3.321	4.9	20.1	6 30	18 15.99	-31 39.7	1.986	2.993	3.3	17.3
7 10	18 6.35	-38 18.0	2.361	3.325	6.6	20.2	7 10	18 6.62	-31 3.5	2.011	2.994	6.1	17.5
7 20	17 58.17	-37 46.2	2.416	3.328	9.1	20.3	7 20	17 58.72	-30 20.5	2.062	2.995	9.3	17.7
7 30	17 52.06	-37 6.2	2.495	3.332	11.4	20.5	7 30	17 52.98	-29 34.0	2.137	2.996	12.3	17.9
<b>159892</b>	2004 $TC_{66}$		6 25.9 254°13	1°3/26.1	18		<b>281687</b>	2008 $WA_{34}$		6 25.9 24°74	1°6/26.1	17	
5 21	18 47.41	-19 8.3	2.187	3.023	12.7	21.4	5 21	18 45.74	-19 46.1	1.727	2.580	14.8	20.9
5 31	18 42.17	-19 13.3	2.084	3.002	9.9	21.1	5 31	18 41.12	-19 32.5	1.654	2.581	11.4	20.7
6 10	18 34.80	-19 22.5	2.003	2.980	6.5	20.9	6 10	18 34.15	-19 22.2	1.602	2.583	7.4	20.4
6 20	18 25.79	-19 34.8	1.949	2.958	2.8	20.6	6 20	18 25.51	-19 15.0	1.575	2.585	3.2	20.2
6 30	18 15.94	-19 49.2	1.922	2.935	2.0	20.5	6 30	18 16.22	-19 10.4	1.574	2.587	2.4	20.1
7 10	18 6.23	-20 4.7	1.924	2.912	5.8	20.7	7 10	18 7.43	-19 8.3	1.599	2.589	6.5	20.4
7 20	17 57.60	-20 20.8	1.952	2.888	9.6	20.9	7 20	18 0.12	-19 8.9	1.649	2.592	10.5	20.6
7 30	17 50.86	-20 37.3	2.004	2.863	13.0	21.1	7 30	17 55.08	-19 12.2	1.721	2.594	14.1	20.8
<b>320339</b>	2007 $TC_{146}$		6 25.9 205°60	0°5/26.0	17		<b>314091</b>	2005 $DS_1$		6 25.9 61°92	0°9/26.0	17	
5 21	18 50.73	-21 57.5	1.874	2.715	14.3	22.0	5 21	18 51.21	-26 1.1	1.298	2.163	18.1	20.5
5 31	18 44.88	-21 56.4	1.788	2.710	11.0	21.8	5 31	18 45.76	-25 55.1	1.249	2.183	13.7	20.3
6 10	18 36.57	-21 57.1	1.725	2.704	7.1	21.6	6 10	18 37.22	-25 47.0	1.219	2.203	8.7	20.0
6 20	18 26.45	-21 58.1	1.687	2.698	2.8	21.3	6 20	18 26.65	-25 34.7	1.211	2.223	3.4	19.8
6 30	18 15.53	-21 58.1	1.676	2.691	1.9	21.2	6 30	18 15.54	-25 17.1	1.229	2.243	2.4	19.8
7 10	18 5.00	-21 56.8	1.693	2.683	6.3	21.5	7 10	18 5.46	-24 55.1	1.271	2.264	7.4	20.1
7 20	17 55.93	-21 54.6	1.736	2.674	10.4	21.7	7 20	17 57.63	-24 31.1	1.337	2.284	12.1	20.5
7 30	17 49.18	-21 52.5	1.802	2.665	14.0	21.9	7 30	17 52.86	-24 7.7	1.423	2.305	16.0	20.7
<b>178507</b>	1999 $TV_{151}$		6 25.9 290°01	5°0/26.3	18		<b>363220</b>	2001 $VN_{80}$		6 25.9 212°35	2°2/26.0	17	
5 21	18 45.61	-13 8.0	1.474	2.326	17.0	19.7	5 21	18 50.51	-19 17.4	1.649	2.496	15.7	21.2
5 31	18 41.55	-12 39.2	1.389	2.311	13.5	19.4	5 31	18 44.95	-18 53.4	1.567	2.490	12.2	21.0
6 10	18 34.75	-12 19.8	1.323	2.296	9.6	19.1	6 10	18 36.73	-18 32.2	1.506	2.485	8.0	20.7
6 20	18 25.85	-12 11.6	1.280	2.281	5.9	18.9	6 20	18 26.55	-18 14.0	1.469	2.478	3.7	20.5
6 30	18 15.91	-12 15.9	1.262	2.266	5.3	18.8	6 30	18 15.51	-17 58.8	1.459	2.471	2.9	20.4
7 10	18 6.27	-12 32.3	1.267	2.251	8.7	19.0	7 10	18 4.94	-17 47.1	1.476	2.464	7.2	20.6
7 20	17 58.18	-12 59.3	1.296	2.237	13.0	19.2	7 20	17 55.98	-17 39.6	1.517	2.456	11.6	20.9
7 30	17 52.66	-13 34.9	1.345	2.222	17.0	19.4	7 30	17 49.56	-17 36.8	1.580	2.447	15.4	21.1
<b>58715</b>	1998 $DK_3$		6 25.9 186°58	2°0/26.2	18		<b>365434</b>	2010 $LX_{102}$		6 26.0 296°45	8°1/26.3	18	
5 21	18 47.54	-17 9.7	2.402	3.230	12.0	20.5	5 21	18 44.92	- 7 34.3	1.401	2.245	18.2	21.3
5 31	18 41.85	-17 3.7	2.317	3.229	9.3	20.3	5 31	18 41.31	- 6 48.8	1.306	2.217	15.0	21.0
6 10	18 34.33	-17 1.9	2.255	3.229	6.1	20.1	6 10	18 34.82	- 6 16.8	1.230	2.189	11.6	20.8
6 20	18 25.52	-17 4.0	2.220	3.227	3.0	19.9	6 20	18 25.98	- 6 2.8	1.175	2.161	8.8	20.5
6 30	18 16.18	-17 9.4	2.214	3.225	2.4	19.8	6 30	18 15.82	- 6 10.4	1.142	2.133	8.3	20.4
7 10	18 7.15	-17 17.7	2.237	3.221	5.4	20.0	7 10	18 5.72	- 6 40.1	1.133	2.105	11.0	20.5
7 20	17 59.19	-17 28.6	2.286	3.218	8.6	20.2	7 20	17 57.06	- 7 29.8	1.145	2.077	15.1	20.6
7 30	17 52.95	-17 41.7	2.360	3.213	11.5	20.4	7 30	17 51.04	- 8 35.4	1.177	2.050	19.2	20.8
<b>389080</b>	2008 $WZ_{124}$		6 25.9 254°42	0°2/25.9	18		<b>417591</b>	2006 $VE_{64}$		6 26.0 137°60	0°1/25.9	17	
5 21	18 47.17	-23 48.7	2.061	2.905	13.1	21.8	5 21	18 49.61	-22 46.5	1.846	2.691	14.4	22.0
5 31	18 42.08	-23 48.6	1.968	2.891	10.1	21.5	5 31	18 43.93	-23 0.2	1.776	2.700	10.9	21.8
6 10	18 34.74	-23 48.8	1.897	2.877	6.5	21.3	6 10	18 35.88	-23 15.8	1.728	2.709	7.0	21.6
6 20	18 25.75	-23 47.8	1.851	2.863	2.5	21.0	6 20	18 26.17	-23 31.2	1.706	2.717	2.7	21.3
6 30	18 16.00	-23 44.4	1.833	2.848	1.7	20.9	6 30	18 15.83	-23 44.3	1.710	2.725	1.8	21.3
7 10	18 6.53	-23 38.4	1.843	2.832	5.8	21.2	7 10	18 6.01	-23 54.4	1.742	2.732	6.1	21.6
7 20	17 58.31	-23 30.3	1.878	2.817	9.7	21.4	7 20	17 57.72	-24 1.4	1.800	2.739	10.0	21.8
7 30	17 52.16	-23 21.4	1.937	2.801	13.1	21.5	7 30	17 51.73	-24 6.3	1.881	2.746	13.4	22.0
<b>349314</b>	2007 $UG_{81}$		6 25.9 296°22	2°7/26.2	16		<b>503585</b>	2016 $GX_{55}$		6 26.0 163°07	2°7/26.2	17	
5 21	18 44.33	-16 20.2	1.878	2.724	14.1	21.4	5 21	18 49.49	-17 11.9	1.593	2.441	16.1	22.0
5 31	18 39.96	-16 10.5	1.794	2.716	11.0	21.2	5 31	18 44.13	-16 56.9	1.521	2.444	12.5	21.8
6 10	18 33.39	-16 7.1	1.732	2.708	7.4	21.0	6 10	18 36.16	-16 47.9	1.470	2.447	8.3	21.6
6 20	18 25.23	-16 9.8	1.694	2.700	3.8	20.8	6 20	18 26.32	-16 44.8	1.443	2.450	4.1	21.3
6 30	18 16.36	-16 18.5	1.683	2.693	3.1	20.7	6 30	18 15.73	-16 47.3	1.441	2.452	3.3	21.3
7 10	18 7.81	-16 32.4	1.698	2.685	6.5	20.9	7 10	18 5.68	-16 54.9	1.466	2.454	7.3	21.5
7 20	18 0.53	-16 50.7	1.738	2.678	10.3	21.1	7 20	17 57.28	-17 6.9	1.515	2.455	11.5	21.8
7 30	17 55.30	-17 12.6	1.801	2.670	13.7	21.3	7 30	17 51.41	-17 22.8	1.586	2.456	15.2	22.0
<b>158983</b>	2004 $RX_{311}$		6 25.9 350°04	3°9/26.6	18		<b>177355</b>	2004 $AP_1$		6 26.0 207°52	2°3/25.9	17	