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7 2.3

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Table with columns for year (2020), right ascension (alpha\_2000), declination (delta\_2000), distance (Delta), magnitude (r), beta, and velocity (V). It lists data for various astronomical objects such as 36510, 502644, 397751, 418916, 118970, 479758, 179426, 209994, 115810, 283051, 169530, 476233, 478902, 87503, 91133, 133719, 331609, and 494361.



























EPHEMERIDES

7 2.6

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Table with 14 columns: Year, α2000, δ2000, Δ, r, β, V, Year, α2000, δ2000, Δ, r, β, V. It contains multiple sections of astronomical data for various objects, each with a list of dates and corresponding values for the parameters.





























EPHEMERIDES

7 2.9

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Table with columns: 2020, α2000, δ2000, Δ, r, β, V, 2020, α2000, δ2000, Δ, r, β, V. It lists astronomical data for various objects including 170752, 300019, 140492, 412380, 71237, 179509, 221928, 180098, 48925, 347290, 178224, 249685, 93383, 257793, 68623, 504350, 35230, and 202409.







EPHEMERIDES

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2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$	2020	$\alpha_{2000}$	$\delta_{2000}$	$\Delta$	$r$	$\beta$	$V$
<b>51097</b>	2000 HA <sub>8</sub>	7 2.9 265°89	1.1/ 3.2	18			<b>45361</b>	2000 AZ <sub>102</sub>	7 2.9 260°14	0.7/ 3.1	18		
5 31	19 12.37	-19 24.3	2.039	2.910	12.2	19.1	5 31	19 15.31	-19 16.4	1.626	2.503	14.5	18.9
<b>472637</b>	2015 DA <sub>209</sub>	7 2.9 297°22	1.2/ 3.3	17			<b>510661</b>	2012 TD <sub>296</sub>	7 2.9 304°44	3.6/ 2.2	18		
5 31	19 12.92	-18 17.7	1.756	2.632	13.6	20.7	5 31	19 14.55	-30 5.0	1.634	2.517	14.1	21.3
<b>88097</b>	2000 WU <sub>62</sub>	7 2.9 243°57	5.2/ 4.4	18			<b>497624</b>	2006 QZ <sub>72</sub>	7 2.9 241°83	8.2/ 1.9	17		
5 31	19 12.92	-7 10.3	2.142	2.979	13.0	19.6	5 31	19 23.67	-42 6.4	1.668	2.523	15.3	21.6
<b>501726</b>	2014 UH <sub>54</sub>	7 2.9 198°93	1.1/ 2.7	17			<b>435837</b>	2008 WU <sub>87</sub>	7 2.9 275°83	2.0/ 2.4	18		
5 31	19 18.45	-24 45.4	1.835	2.706	13.4	22.9	5 31	19 14.70	-26 4.4	1.839	2.716	13.0	21.3
<b>141005</b>	2001 WP <sub>32</sub>	7 2.9 315°69	0.9/ 3.2	18			<b>58486</b>	1996 TP <sub>13</sub>	7 2.9 327°83	4.4/ 3.4	17		
5 31	19 11.24	-19 42.2	1.866	2.743	12.9	19.7	5 31	19 9.44	-14 56.1	1.261	2.154	16.8	18.6
<b>16366</b>	1979 ME <sub>7</sub>	7 2.9 241°69	1.0/ 3.0	18			<b>521602</b>	2015 PB <sub>318</sub>	7 2.9 316°46	4.9/ 4.1	18		
5 31	19 16.53	-21 37.5	1.975	2.843	12.7	17.9	5 31	19 9.44	-8 28.4	2.215	3.061	12.3	21.1
<b>93030</b>	2000 RC <sub>99</sub>	7 2.9 74°55	0.6/ 2.9	18			<b>494402</b>	2016 UB <sub>59</sub>	7 2.9 279°54	2.3/ 2.6	18		
5 31	19 17.88	-23 47.8	1.632	2.509	14.4	18.6	5 31	19 14.60	-29 41.9	2.096	2.968	11.9	21.3
<b>71762</b>	2000 RZ <sub>103</sub>	7 2.9 239°14	4.5/ 2.4	17			<b>389023</b>	2008 UH <sub>255</sub>	7 2.9 229°54	0.7/ 3.1	18		
5 31	19 20.14	-32 51.5	1.554	2.430	15.1	19.6	5 31	19 14.25	-20 27.3	2.198	3.064	11.7	22.2
<b>128618</b>	2004 QH <sub>25</sub>	7 2.9 326°06	1.4/ 2.9	18			<b>319716</b>	2006 UR <sub>52</sub>	7 2.9 330°51	4.3/ 3.4	18		
5 31	19 11.95	-21 28.6	1.820	2.699	13.1	18.2	5 31	19 11.89	-15 10.4	1.234	2.125	17.2	20.3





EPHEMERIDES

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Table with 14 columns: 2020, alpha\_2000, delta\_2000, Delta, r, beta, V, 2020, alpha\_2000, delta\_2000, Delta, r, beta, V. It contains data for various astronomical objects such as 153671, 137790, 48222, 481472, 116167, 273860, 280633, 9607, 262813, 357015, 358806, 137378, 381930, 257615, 84136, 323730, 295941, and 38357, with their respective coordinates and magnitudes.