



Die Bahn des Planeten Jupiter 2020

EPHEMERIDE 2020 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
1 Jan 2020	18h27m52.07s	-23 11' 37.1"	5.2276	6.2089	-1.8	3.3	0.6	-58.50	30.44	34.77	87.7	Sgr
2 Jan 2020	18h28m52.16s	-23 11' 02.0"	5.2272	6.2075	-1.8	4.1	0.8	-58.26	31.65	34.75	87.6	Sgr
3 Jan 2020	18h29m52.21s	-23 10' 25.4"	5.2269	6.2059	-1.8	4.9	0.9	-58.01	32.83	34.73	87.5	Sgr
4 Jan 2020	18h30m52.23s	-23 09' 47.5"	5.2265	6.2040	-1.8	5.7	1.1	-57.75	34.01	34.71	87.4	Sgr
5 Jan 2020	18h31m52.19s	-23 09' 08.1"	5.2261	6.2019	-1.8	6.5	1.2	-57.48	35.17	34.69	87.3	Sgr
6 Jan 2020	18h32m52.11s	-23 08' 27.3"	5.2258	6.1996	-1.8	7.3	1.4	-57.20	36.31	34.66	87.2	Sgr
7 Jan 2020	18h33m51.96s	-23 07' 45.2"	5.2254	6.1971	-1.8	8.1	1.5	-56.92	37.45	34.63	87.1	Sgr
8 Jan 2020	18h34m51.74s	-23 07' 01.6"	5.2250	6.1944	-1.8	8.9	1.7	-56.63	38.56	34.59	87.0	Sgr
9 Jan 2020	18h35m51.46s	-23 06' 16.8"	5.2247	6.1915	-1.8	9.7	1.8	-56.33	39.66	34.55	86.9	Sgr
10 Jan 2020	18h36m51.10s	-23 05' 30.5"	5.2243	6.1883	-1.8	10.4	2.0	-56.02	40.75	34.51	86.8	Sgr
11 Jan 2020	18h37m50.66s	-23 04' 42.9"	5.2239	6.1850	-1.8	11.2	2.1	-55.71	41.83	34.47	86.7	Sgr
12 Jan 2020	18h38m50.13s	-23 03' 54.0"	5.2236	6.1814	-1.8	12.0	2.2	-55.39	42.89	34.42	86.6	Sgr
13 Jan 2020	18h39m49.51s	-23 03' 03.7"	5.2232	6.1776	-1.8	12.8	2.4	-55.07	43.93	34.37	86.5	Sgr
14 Jan 2020	18h40m48.79s	-23 02' 12.2"	5.2228	6.1736	-1.8	13.6	2.5	-54.74	44.96	34.32	86.5	Sgr
15 Jan 2020	18h41m47.96s	-23 01' 19.4"	5.2225	6.1694	-1.8	14.4	2.7	-54.40	45.98	34.27	86.4	Sgr
16 Jan 2020	18h42m47.03s	-23 00' 25.2"	5.2221	6.1650	-1.8	15.2	2.8	-54.05	46.99	34.21	86.3	Sgr
17 Jan 2020	18h43m45.98s	-22 59' 29.9"	5.2218	6.1604	-1.8	16.0	3.0	-53.70	47.98	34.15	86.2	Sgr
18 Jan 2020	18h44m44.82s	-22 58' 33.3"	5.2214	6.1556	-1.8	16.8	3.1	-53.35	48.96	34.08	86.1	Sgr
19 Jan 2020	18h45m43.52s	-22 57' 35.4"	5.2210	6.1506	-1.9	17.6	3.3	-52.99	49.93	34.01	86.0	Sgr
20 Jan 2020	18h46m42.09s	-22 56' 36.4"	5.2207	6.1453	-1.9	18.4	3.4	-52.62	50.88	33.94	85.9	Sgr
21 Jan 2020	18h47m40.52s	-22 55' 36.1"	5.2203	6.1399	-1.9	19.2	3.5	-52.25	51.82	33.86	85.8	Sgr
22 Jan 2020	18h48m38.80s	-22 54' 34.7"	5.2199	6.1342	-1.9	19.9	3.7	-51.87	52.75	33.78	85.7	Sgr
23 Jan 2020	18h49m36.92s	-22 53' 32.1"	5.2196	6.1284	-1.9	20.7	3.8	-51.49	53.67	33.69	85.6	Sgr
24 Jan 2020	18h50m34.88s	-22 52' 28.4"	5.2192	6.1223	-1.9	21.5	4.0	-51.10	54.57	33.60	85.5	Sgr
25 Jan 2020	18h51m32.67s	-22 51' 23.5"	5.2188	6.1160	-1.9	22.3	4.1	-50.71	55.47	33.51	85.4	Sgr
26 Jan 2020	18h52m30.28s	-22 50' 17.6"	5.2185	6.1095	-1.9	23.1	4.2	-50.31	56.35	33.41	85.3	Sgr
27 Jan 2020	18h53m27.71s	-22 49' 10.5"	5.2181	6.1029	-1.9	23.9	4.4	-49.91	57.22	33.31	85.3	Sgr
28 Jan 2020	18h54m24.95s	-22 48' 02.5"	5.2177	6.0960	-1.9	24.7	4.5	-49.51	58.08	33.21	85.2	Sgr
29 Jan 2020	18h55m22.00s	-22 46' 53.3"	5.2174	6.0889	-1.9	25.5	4.7	-49.10	58.94	33.10	85.1	Sgr
30 Jan 2020	18h56m18.84s	-22 45' 43.2"	5.2170	6.0817	-1.9	26.3	4.8	-48.68	59.78	32.98	85.0	Sgr
31 Jan 2020	18h57m15.46s	-22 44' 32.1"	5.2166	6.0742	-1.9	27.1	4.9	-48.27	60.61	32.87	84.9	Sgr
1 Feb 2020	18h58m11.88s	-22 43' 20.0"	5.2163	6.0665	-1.9	27.9	5.1	-47.85	61.43	32.75	84.8	Sgr
2 Feb 2020	18h59m08.07s	-22 42' 07.0"	5.2159	6.0587	-1.9	28.7	5.2	-47.42	62.25	32.62	84.7	Sgr
3 Feb 2020	19h00m04.03s	-22 40' 53.0"	5.2155	6.0506	-1.9	29.5	5.3	-46.99	63.05	32.50	84.6	Sgr
4 Feb 2020	19h00m59.75s	-22 39' 38.2"	5.2152	6.0424	-1.9	30.3	5.5	-46.56	63.85	32.37	84.6	Sgr
5 Feb 2020	19h01m55.24s	-22 38' 22.5"	5.2148	6.0340	-1.9	31.1	5.6	-46.12	64.63	32.23	84.5	Sgr
6 Feb 2020	19h02m50.48s	-22 37' 05.9"	5.2144	6.0254	-1.9	31.9	5.7	-45.68	65.41	32.10	84.4	Sgr
7 Feb 2020	19h03m45.46s	-22 35' 48.5"	5.2141	6.0166	-1.9	32.7	5.9	-45.24	66.18	31.96	84.3	Sgr
8 Feb 2020	19h04m40.20s	-22 34' 30.4"	5.2137	6.0076	-1.9	33.5	6.0	-44.79	66.95	31.81	84.2	Sgr
9 Feb 2020	19h05m34.66s	-22 33' 11.5"	5.2133	5.9985	-1.9	34.3	6.1	-44.34	67.70	31.67	84.1	Sgr
10 Feb 2020	19h06m28.86s	-22 31' 51.9"	5.2130	5.9891	-1.9	35.1	6.2	-43.89	68.45	31.52	84.1	Sgr
11 Feb 2020	19h07m22.79s	-22 30' 31.5"	5.2126	5.9796	-1.9	35.9	6.4	-43.44	69.19	31.36	84.0	Sgr
12 Feb 2020	19h08m16.44s	-22 29' 10.5"	5.2122	5.9699	-1.9	36.7	6.5	-42.98	69.93	31.21	83.9	Sgr
13 Feb 2020	19h09m09.81s	-22 27' 48.8"	5.2119	5.9601	-1.9	37.5	6.6	-42.52	70.66	31.05	83.8	Sgr
14 Feb 2020	19h10m02.88s	-22 26' 26.5"	5.2115	5.9500	-1.9	38.3	6.7	-42.05	71.38	30.88	83.7	Sgr
15 Feb 2020	19h10m55.66s	-22 25' 03.7"	5.2111	5.9398	-1.9	39.1	6.9	-41.59	72.09	30.72	83.7	Sgr
16 Feb 2020	19h11m48.13s	-22 23' 40.2"	5.2108	5.9294	-1.9	39.9	7.0	-41.12	72.80	30.55	83.6	Sgr
17 Feb 2020	19h12m40.29s	-22 22' 16.3"	5.2104	5.9189	-1.9	40.7	7.1	-40.65	73.51	30.37	83.5	Sgr
18 Feb 2020	19h13m32.14s	-22 20' 51.8"	5.2100	5.9081	-1.9	41.6	7.2	-40.17	74.20	30.19	83.4	Sgr
19 Feb 2020	19h14m23.66s	-22 19' 26.9"	5.2097	5.8973	-1.9	42.4	7.3	-39.70	74.90	30.00	83.4	Sgr
20 Feb 2020	19h15m14.85s	-22 18' 01.6"	5.2093	5.8862	-1.9	43.2	7.5	-39.22	75.58	29.82	83.3	Sgr
21 Feb 2020	19h16m05.69s	-22 16' 35.8"	5.2089	5.8750	-1.9	44.0	7.6	-38.74	76.27	29.62	83.2	Sgr
22 Feb 2020	19h16m56.19s	-22 15' 09.7"	5.2086	5.8636	-1.9	44.8	7.7	-38.25	76.95	29.43	83.1	Sgr
23 Feb 2020	19h17m46.34s	-22 13' 43.3"	5.2082	5.8521	-1.9	45.6	7.8	-37.77	77.62	29.22	83.1	Sgr
24 Feb 2020	19h18m36.12s	-22 12' 16.5"	5.2078	5.8404	-1.9	46.4	7.9	-37.28	78.29	29.02	83.0	Sgr
25 Feb 2020	19h19m25.54s	-22 10' 49.5"	5.2075	5.8285	-1.9	47.2	8.0	-36.79	78.95	28.81	82.9	Sgr
26 Feb 2020	19h20m14.58s	-22 09' 22.3"	5.2071	5.8165	-2.0	48.1	8.1	-36.30	79.62	28.59	82.9	Sgr
27 Feb 2020	19h21m03.24s	-22 07' 54.9"	5.2067	5.8044	-2.0	48.9	8.2	-35.80	80.27	28.37	82.8	Sgr
28 Feb 2020	19h21m51.52s	-22 06' 27.3"	5.2064	5.7921	-2.0	49.7	8.3	-35.31	80.93	28.15	82.7	Sgr
29 Feb 2020	19h22m39.39s	-22 04' 59.6"	5.2060	5.7797	-2.0	50.5	8.4	-34.81	81.58	27.93	82.7	Sgr
1 Mar 2020	19h23m26.87s	-22 03' 31.9"	5.2056	5.7671	-2.0	51.3	8.5	-34.31	82.23	27.70	82.6	Sgr
2 Mar 2020	19h24m13.94s	-22 02' 04.0"	5.2053	5.7544	-2.0	52.1	8.6	-33.81	82.87	27.46	82.5	Sgr
3 Mar 2020	19h25m00.59s	-22 00' 36.2"	5.2049	5.7415	-2.0	53.0	8.7	-33.31	83.51	27.22	82.5	Sgr
4 Mar 2020	19h25m46.83s	-21 59' 08.4"	5.2045	5.7285	-2.0	53.8	8.8	-32.80	84.15	26.98	82.4	Sgr
5 Mar 2020	19h26m32.64s	-21 57' 40.7"	5.2042	5.7154	-2.0	54.6	8.9	-32.29	84.79	26.74	82.3	Sgr
6 Mar 2020	19h27m18.02s	-21 56' 13.1"	5.2038	5.7021	-2.0	55.4	9.0	-31.79	85.42	26.49	82.3	Sgr
7 Mar 2020	19h28m02.96s	-21 54' 45.6"	5.2034	5.6888	-2.0	56.3	9.1	-31.28	86.06	26.24	82.2	Sgr
8 Mar 2020	19h28m47.46s	-21 53' 18.3"	5.2031	5.6753	-2.0	57.1	9.2	-30.77	86.69	25.98	82.2	Sgr
9 Mar 2020	19h29m31.52s	-21 51' 51.1"	5.2027	5.6617	-2.0	57.9	9.3	-30.25	87.31	25.72	82.1	Sgr
10 Mar 2020	19h30m15.12s	-21 50' 24.3"	5.2023	5.6479	-2.0	58.7	9.4	-29.74	87.94	25.46	82.0	Sgr
11 Mar 2020	19h30m58.26s	-21 48' 57.7"	5.2020	5.6341	-2.0	59.6	9.5	-29.23	88.56	25.19	82.0	Sgr
12 Mar 2020	19h31m40.94s	-21 47' 31.5"	5.2016	5.6201	-2.0	60.4	9.6	-28.71	89.19	24.92	81.9	Sgr
13 Mar 2020	19h32m23.14s	-21 46' 05.6"	5.2012	5.6060	-2.0	61.2	9.6	-28.19	89.81	24.65	81.9	Sgr
14 Mar 2020	19h33m04.87s	-21 44' 40.1"	5.2009	5.5918	-2.0	62.1	9.7	-27.67	90.43	24.37	81.8	Sgr

EPHEMERIDE 2020 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
15 Mar 2020	19h33m46.12s	-21 43' 15.1"	5.2005	5.5775	-2.0	62.9	9.8	-27.15	91.05	24.09	81.8	Sgr
16 Mar 2020	19h34m26.87s	-21 41' 50.5"	5.2001	5.5632	-2.0	63.7	9.9	-26.63	91.67	23.80	81.7	Sgr
17 Mar 2020	19h35m07.12s	-21 40' 26.4"	5.1998	5.5487	-2.0	64.6	10.0	-26.11	92.29	23.51	81.7	Sgr
18 Mar 2020	19h35m46.86s	-21 39' 02.9"	5.1994	5.5341	-2.1	65.4	10.0	-25.59	92.90	23.21	81.6	Sgr
19 Mar 2020	19h36m26.09s	-21 37' 40.1"	5.1990	5.5194	-2.1	66.3	10.1	-25.07	93.52	22.91	81.6	Sgr
20 Mar 2020	19h37m04.80s	-21 36' 17.8"	5.1987	5.5046	-2.1	67.1	10.2	-24.54	94.14	22.60	81.6	Sgr
21 Mar 2020	19h37m42.98s	-21 34' 56.3"	5.1983	5.4897	-2.1	67.9	10.2	-24.02	94.75	22.29	81.5	Sgr
22 Mar 2020	19h38m20.62s	-21 33' 35.4"	5.1979	5.4747	-2.1	68.8	10.3	-23.49	95.37	21.97	81.5	Sgr
23 Mar 2020	19h38m57.71s	-21 32' 15.3"	5.1975	5.4597	-2.1	69.6	10.4	-22.96	95.99	21.65	81.4	Sgr
24 Mar 2020	19h39m34.26s	-21 30' 56.1"	5.1972	5.4445	-2.1	70.5	10.4	-22.44	96.60	21.33	81.4	Sgr
25 Mar 2020	19h40m10.24s	-21 29' 37.6"	5.1968	5.4293	-2.1	71.3	10.5	-21.91	97.22	21.00	81.4	Sgr
26 Mar 2020	19h40m45.67s	-21 28' 20.1"	5.1964	5.4140	-2.1	72.2	10.5	-21.38	97.84	20.67	81.3	Sgr
27 Mar 2020	19h41m20.52s	-21 27' 03.5"	5.1961	5.3987	-2.1	73.0	10.6	-20.85	98.45	20.33	81.3	Sgr
28 Mar 2020	19h41m54.79s	-21 25' 47.8"	5.1957	5.3833	-2.1	73.9	10.6	-20.32	99.07	19.99	81.3	Sgr
29 Mar 2020	19h42m28.48s	-21 24' 33.2"	5.1953	5.3678	-2.1	74.8	10.7	-19.79	99.69	19.64	81.2	Sgr
30 Mar 2020	19h43m01.57s	-21 23' 19.6"	5.1950	5.3523	-2.1	75.6	10.7	-19.26	100.31	19.29	81.2	Sgr
31 Mar 2020	19h43m34.07s	-21 22' 07.0"	5.1946	5.3367	-2.1	76.5	10.8	-18.73	100.94	18.94	81.2	Sgr
1 Apr 2020	19h44m05.97s	-21 20' 55.7"	5.1942	5.3210	-2.1	77.3	10.8	-18.20	101.56	18.58	81.2	Sgr
2 Apr 2020	19h44m37.26s	-21 19' 45.4"	5.1939	5.3053	-2.1	78.2	10.9	-17.67	102.19	18.22	81.1	Sgr
3 Apr 2020	19h45m07.94s	-21 18' 36.4"	5.1935	5.2896	-2.2	79.1	10.9	-17.14	102.81	17.86	81.1	Sgr
4 Apr 2020	19h45m38.00s	-21 17' 28.6"	5.1931	5.2738	-2.2	79.9	10.9	-16.60	103.44	17.49	81.1	Sgr
5 Apr 2020	19h46m07.43s	-21 16' 22.1"	5.1928	5.2579	-2.2	80.8	11.0	-16.07	104.07	17.12	81.1	Sgr
6 Apr 2020	19h46m36.24s	-21 15' 16.9"	5.1924	5.2421	-2.2	81.7	11.0	-15.54	104.70	16.75	81.1	Sgr
7 Apr 2020	19h47m04.41s	-21 14' 13.0"	5.1920	5.2262	-2.2	82.5	11.0	-15.01	105.34	16.37	81.1	Sgr
8 Apr 2020	19h47m31.94s	-21 13' 10.5"	5.1917	5.2103	-2.2	83.4	11.0	-14.48	105.97	15.99	81.1	Sgr
9 Apr 2020	19h47m58.83s	-21 12' 09.5"	5.1913	5.1943	-2.2	84.3	11.1	-13.95	106.61	15.60	81.1	Sgr
10 Apr 2020	19h48m25.06s	-21 11' 09.8"	5.1909	5.1783	-2.2	85.2	11.1	-13.42	107.25	15.21	81.1	Sgr
11 Apr 2020	19h48m50.64s	-21 10' 11.7"	5.1906	5.1623	-2.2	86.1	11.1	-12.89	107.89	14.82	81.1	Sgr
12 Apr 2020	19h49m15.55s	-21 09' 15.1"	5.1902	5.1463	-2.2	86.9	11.1	-12.36	108.54	14.42	81.1	Sgr
13 Apr 2020	19h49m39.79s	-21 08' 20.1"	5.1898	5.1303	-2.2	87.8	11.1	-11.83	109.19	14.02	81.1	Sgr
14 Apr 2020	19h50m03.35s	-21 07' 26.6"	5.1895	5.1143	-2.2	88.7	11.1	-11.31	109.84	13.61	81.1	Sgr
15 Apr 2020	19h50m26.23s	-21 06' 34.8"	5.1891	5.0982	-2.2	89.6	11.1	-10.78	110.50	13.20	81.2	Sgr
16 Apr 2020	19h50m48.42s	-21 05' 44.7"	5.1887	5.0822	-2.2	90.5	11.2	-10.25	111.15	12.79	81.2	Sgr
17 Apr 2020	19h51m09.91s	-21 04' 56.2"	5.1884	5.0661	-2.2	91.4	11.2	-9.73	111.81	12.37	81.2	Sgr
18 Apr 2020	19h51m30.69s	-21 04' 09.5"	5.1880	5.0501	-2.3	92.3	11.2	-9.21	112.48	11.95	81.3	Sgr
19 Apr 2020	19h51m50.76s	-21 03' 24.6"	5.1876	5.0341	-2.3	93.2	11.1	-8.68	113.15	11.52	81.3	Sgr
20 Apr 2020	19h52m10.11s	-21 02' 41.5"	5.1873	5.0181	-2.3	94.1	11.1	-8.16	113.82	11.09	81.4	Sgr
21 Apr 2020	19h52m28.74s	-21 02' 00.2"	5.1869	5.0021	-2.3	95.0	11.1	-7.64	114.50	10.66	81.4	Sgr
22 Apr 2020	19h52m46.65s	-21 01' 20.7"	5.1865	4.9861	-2.3	95.9	11.1	-7.12	115.18	10.22	81.5	Sgr
23 Apr 2020	19h53m03.82s	-21 00' 43.2"	5.1862	4.9702	-2.3	96.8	11.1	-6.61	115.86	9.78	81.6	Sgr
24 Apr 2020	19h53m20.25s	-21 00' 07.5"	5.1858	4.9543	-2.3	97.7	11.1	-6.09	116.55	9.34	81.7	Sgr
25 Apr 2020	19h53m35.93s	-20 59' 33.9"	5.1854	4.9384	-2.3	98.6	11.1	-5.58	117.24	8.89	81.8	Sgr
26 Apr 2020	19h53m50.87s	-20 59' 02.2"	5.1850	4.9225	-2.3	99.5	11.0	-5.06	117.94	8.44	81.9	Sgr
27 Apr 2020	19h54m05.06s	-20 58' 32.5"	5.1847	4.9067	-2.3	100.4	11.0	-4.55	118.64	7.99	82.1	Sgr
28 Apr 2020	19h54m18.49s	-20 58' 04.8"	5.1843	4.8910	-2.3	101.4	11.0	-4.05	119.35	7.54	82.2	Sgr
29 Apr 2020	19h54m31.16s	-20 57' 39.2"	5.1839	4.8753	-2.3	102.3	10.9	-3.54	120.06	7.08	82.4	Sgr
30 Apr 2020	19h54m43.07s	-20 57' 15.6"	5.1836	4.8597	-2.3	103.2	10.9	-3.04	120.77	6.62	82.6	Sgr
1 Mai 2020	19h54m54.22s	-20 56' 54.1"	5.1832	4.8441	-2.3	104.1	10.9	-2.54	121.50	6.17	82.9	Sgr
2 Mai 2020	19h55m04.60s	-20 56' 34.8"	5.1828	4.8286	-2.4	105.1	10.8	-2.04	122.22	5.70	83.2	Sgr
3 Mai 2020	19h55m14.21s	-20 56' 17.5"	5.1825	4.8131	-2.4	106.0	10.8	-1.54	122.96	5.24	83.6	Sgr
4 Mai 2020	19h55m23.04s	-20 56' 02.4"	5.1821	4.7977	-2.4	106.9	10.7	-1.05	123.69	4.78	84.0	Sgr
5 Mai 2020	19h55m31.10s	-20 55' 49.4"	5.1817	4.7824	-2.4	107.9	10.7	-0.56	124.44	4.32	84.6	Sgr
6 Mai 2020	19h55m38.39s	-20 55' 38.6"	5.1814	4.7672	-2.4	108.8	10.6	-0.08	125.18	3.85	85.3	Sgr
7 Mai 2020	19h55m44.90s	-20 55' 30.0"	5.1810	4.7521	-2.4	109.8	10.6	0.41	125.94	3.39	86.1	Sgr
8 Mai 2020	19h55m50.62s	-20 55' 23.5"	5.1806	4.7371	-2.4	110.7	10.5	0.89	126.70	2.92	87.3	Sgr
9 Mai 2020	19h55m55.56s	-20 55' 19.3"	5.1803	4.7221	-2.4	111.7	10.4	1.36	127.46	2.46	88.9	Sgr
10 Mai 2020	19h55m59.72s	-20 55' 17.2"	5.1799	4.7072	-2.4	112.6	10.4	1.83	128.24	1.99	91.3	Sgr
11 Mai 2020	19h56m03.09s	-20 55' 17.4"	5.1795	4.6925	-2.4	113.6	10.3	2.30	129.02	1.53	95.1	Sgr
12 Mai 2020	19h56m05.66s	-20 55' 19.8"	5.1792	4.6778	-2.4	114.5	10.2	2.77	129.80	1.08	102.2	Sgr
13 Mai 2020	19h56m07.44s	-20 55' 24.4"	5.1788	4.6633	-2.4	115.5	10.1	3.22	130.59	0.67	118.6	Sgr
14 Mai 2020	19h56m08.42s	-20 55' 31.3"	5.1784	4.6488	-2.4	116.4	10.1	3.68	131.39	0.43	164.1	Sgr
15 Mai 2020	19h56m08.60s	-20 55' 40.4"	5.1781	4.6345	-2.4	117.4	10.0	4.13	132.19	0.62	215.1	Sgr
16 Mai 2020	19h56m07.98s	-20 55' 51.7"	5.1777	4.6203	-2.5	118.4	9.9	4.58	133.00	1.02	234.1	Sgr
17 Mai 2020	19h56m06.57s	-20 56' 05.3"	5.1773	4.6063	-2.5	119.3	9.8	5.02	133.82	1.47	242.0	Sgr
18 Mai 2020	19h56m04.35s	-20 56' 21.1"	5.1770	4.5923	-2.5	120.3	9.7	5.45	134.65	1.93	246.2	Sgr
19 Mai 2020	19h56m01.33s	-20 56' 39.2"	5.1766	4.5785	-2.5	121.3	9.6	5.88	135.48	2.40	248.7	Sgr
20 Mai 2020	19h55m57.52s	-20 56' 59.5"	5.1762	4.5648	-2.5	122.3	9.5	6.31	136.32	2.88	250.4	Sgr
21 Mai 2020	19h55m52.90s	-20 57' 21.9"	5.1759	4.5513	-2.5	123.2	9.4	6.73	137.16	3.35	251.6	Sgr
22 Mai 2020	19h55m47.49s	-20 57' 46.7"	5.1755	4.5380	-2.5	124.2	9.3	7.14	138.01	3.82	252.6	Sgr
23 Mai 2020	19h55m41.29s	-20 58' 13.6"	5.1751	4.5247	-2.5	125.2	9.2	7.55	138.87	4.29	253.3	Sgr
24 Mai 2020	19h55m34.29s	-20 58' 42.6"	5.1748	4.5117	-2.5	126.2	9.1	7.95	139.74	4.77	253.9	Sgr
25 Mai 2020	19h55m26.51s	-20 59' 13.9"	5.1744	4.4988	-2.5	127.2	9.0	8.34	140.62	5.23	254.3	Sgr
26 Mai 2020	19h55m17.94s	-20 59' 47.3"	5.1740	4.4860	-2.5	128.2	8.9	8.73	141.50	5.70	254.7	Sgr
27 Mai 2020	19h55m08.60s	-21 00' 22.8"	5.1737	4.4735	-2.5	129.2	8.7	9.11	142.39	6.16	255.1	Sgr

EPHEMERIDE 2020 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
28 Mai 2020	19h54m58.48s	-21 01' 00.4"	5.1733	4.4611	-2.5	130.2	8.6	9.48	143.28	6.62	255.4	Sgr
29 Mai 2020	19h54m47.60s	-21 01' 40.2"	5.1729	4.4489	-2.5	131.2	8.5	9.85	144.19	7.08	255.6	Sgr
30 Mai 2020	19h54m35.95s	-21 02' 21.9"	5.1726	4.4368	-2.6	132.2	8.3	10.21	145.10	7.53	255.9	Sgr
31 Mai 2020	19h54m23.56s	-21 03' 05.7"	5.1722	4.4250	-2.6	133.2	8.2	10.56	146.01	7.97	256.1	Sgr
1 Jun 2020	19h54m10.41s	-21 03' 51.4"	5.1718	4.4133	-2.6	134.2	8.1	10.90	146.94	8.42	256.2	Sgr
2 Jun 2020	19h53m56.53s	-21 04' 39.1"	5.1715	4.4019	-2.6	135.2	7.9	11.23	147.87	8.86	256.4	Sgr
3 Jun 2020	19h53m41.92s	-21 05' 28.8"	5.1711	4.3906	-2.6	136.2	7.8	11.56	148.81	9.29	256.6	Sgr
4 Jun 2020	19h53m26.58s	-21 06' 20.3"	5.1707	4.3796	-2.6	137.3	7.7	11.87	149.76	9.72	256.7	Sgr
5 Jun 2020	19h53m10.53s	-21 07' 13.7"	5.1704	4.3687	-2.6	138.3	7.5	12.18	150.71	10.14	256.8	Sgr
6 Jun 2020	19h52m53.76s	-21 08' 08.8"	5.1700	4.3581	-2.6	139.3	7.4	12.48	151.67	10.56	257.0	Sgr
7 Jun 2020	19h52m36.30s	-21 09' 05.8"	5.1696	4.3476	-2.6	140.3	7.2	12.77	152.64	10.97	257.1	Sgr
8 Jun 2020	19h52m18.14s	-21 10' 04.5"	5.1693	4.3374	-2.6	141.4	7.0	13.05	153.61	11.38	257.2	Sgr
9 Jun 2020	19h51m59.30s	-21 11' 04.8"	5.1689	4.3274	-2.6	142.4	6.9	13.32	154.59	11.78	257.3	Sgr
10 Jun 2020	19h51m39.78s	-21 12' 06.8"	5.1685	4.3176	-2.6	143.4	6.7	13.58	155.58	12.18	257.4	Sgr
11 Jun 2020	19h51m19.60s	-21 13' 10.4"	5.1682	4.3081	-2.6	144.5	6.6	13.83	156.58	12.57	257.5	Sgr
12 Jun 2020	19h50m58.77s	-21 14' 15.6"	5.1678	4.2988	-2.6	145.5	6.4	14.07	157.58	12.95	257.6	Sgr
13 Jun 2020	19h50m37.28s	-21 15' 22.3"	5.1674	4.2897	-2.6	146.5	6.2	14.30	158.58	13.33	257.7	Sgr
14 Jun 2020	19h50m15.17s	-21 16' 30.4"	5.1671	4.2808	-2.6	147.6	6.0	14.52	159.60	13.70	257.8	Sgr
15 Jun 2020	19h49m52.44s	-21 17' 39.9"	5.1667	4.2722	-2.7	148.6	5.9	14.73	160.61	14.06	257.9	Sgr
16 Jun 2020	19h49m29.10s	-21 18' 50.8"	5.1663	4.2639	-2.7	149.7	5.7	14.92	161.64	14.41	258.0	Sgr
17 Jun 2020	19h49m05.17s	-21 20' 03.0"	5.1660	4.2558	-2.7	150.7	5.5	15.11	162.67	14.76	258.0	Sgr
18 Jun 2020	19h48m40.66s	-21 21' 16.4"	5.1656	4.2479	-2.7	151.8	5.3	15.28	163.70	15.09	258.1	Sgr
19 Jun 2020	19h48m15.59s	-21 22' 31.0"	5.1652	4.2403	-2.7	152.8	5.2	15.45	164.74	15.42	258.2	Sgr
20 Jun 2020	19h47m49.97s	-21 23' 46.7"	5.1649	4.2329	-2.7	153.9	5.0	15.60	165.79	15.73	258.3	Sgr
21 Jun 2020	19h47m23.82s	-21 25' 03.5"	5.1645	4.2258	-2.7	155.0	4.8	15.73	166.84	16.03	258.4	Sgr
22 Jun 2020	19h46m57.16s	-21 26' 21.3"	5.1641	4.2190	-2.7	156.0	4.6	15.86	167.89	16.33	258.4	Sgr
23 Jun 2020	19h46m30.00s	-21 27' 40.0"	5.1638	4.2124	-2.7	157.1	4.4	15.97	168.95	16.61	258.5	Sgr
24 Jun 2020	19h46m02.38s	-21 28' 59.6"	5.1634	4.2062	-2.7	158.1	4.2	16.08	170.01	16.88	258.6	Sgr
25 Jun 2020	19h45m34.29s	-21 30' 20.0"	5.1631	4.2001	-2.7	159.2	4.0	16.17	171.07	17.14	258.7	Sgr
26 Jun 2020	19h45m05.77s	-21 31' 41.2"	5.1627	4.1944	-2.7	160.3	3.8	16.24	172.14	17.38	258.7	Sgr
27 Jun 2020	19h44m36.83s	-21 33' 03.0"	5.1623	4.1889	-2.7	161.3	3.6	16.31	173.21	17.62	258.8	Sgr
28 Jun 2020	19h44m07.50s	-21 34' 25.4"	5.1620	4.1837	-2.7	162.4	3.4	16.36	174.28	17.84	258.9	Sgr
29 Jun 2020	19h43m37.80s	-21 35' 48.4"	5.1616	4.1788	-2.7	163.5	3.2	16.40	175.36	18.05	258.9	Sgr
30 Jun 2020	19h43m07.74s	-21 37' 11.8"	5.1612	4.1742	-2.7	164.5	3.0	16.42	176.43	18.24	259.0	Sgr
1 Jul 2020	19h42m37.35s	-21 38' 35.7"	5.1609	4.1699	-2.7	165.6	2.8	16.44	177.51	18.43	259.1	Sgr
2 Jul 2020	19h42m06.64s	-21 39' 59.9"	5.1605	4.1658	-2.7	166.7	2.6	16.43	178.59	18.60	259.1	Sgr
3 Jul 2020	19h41m35.64s	-21 41' 24.3"	5.1601	4.1620	-2.7	167.8	2.4	16.42	179.67	18.76	259.2	Sgr
4 Jul 2020	19h41m04.37s	-21 42' 49.0"	5.1598	4.1585	-2.7	168.8	2.2	16.40	180.75	18.90	259.3	Sgr
5 Jul 2020	19h40m32.85s	-21 44' 13.9"	5.1594	4.1553	-2.7	169.9	2.0	16.36	181.84	19.04	259.4	Sgr
6 Jul 2020	19h40m01.09s	-21 45' 38.8"	5.1590	4.1524	-2.7	171.0	1.8	16.30	182.92	19.16	259.4	Sgr
7 Jul 2020	19h39m29.13s	-21 47' 03.7"	5.1587	4.1498	-2.7	172.1	1.6	16.24	184.00	19.27	259.5	Sgr
8 Jul 2020	19h38m56.98s	-21 48' 28.7"	5.1583	4.1474	-2.7	173.2	1.3	16.16	185.08	19.36	259.6	Sgr
9 Jul 2020	19h38m24.66s	-21 49' 53.5"	5.1579	4.1454	-2.7	174.2	1.1	16.07	186.16	19.45	259.6	Sgr
10 Jul 2020	19h37m52.19s	-21 51' 18.1"	5.1576	4.1437	-2.7	175.3	0.9	15.96	187.23	19.52	259.7	Sgr
11 Jul 2020	19h37m19.60s	-21 52' 42.6"	5.1572	4.1422	-2.7	176.4	0.7	15.85	188.31	19.57	259.8	Sgr
12 Jul 2020	19h36m46.91s	-21 54' 06.8"	5.1569	4.1410	-2.8	177.5	0.5	15.72	189.38	19.62	259.8	Sgr
13 Jul 2020	19h36m14.15s	-21 55' 30.6"	5.1565	4.1402	-2.8	178.5	0.3	15.57	190.45	19.64	259.9	Sgr
14 Jul 2020	19h35m41.33s	-21 56' 54.0"	5.1561	4.1396	-2.8	179.5	0.1	15.42	191.52	19.66	260.0	Sgr
15 Jul 2020	19h35m08.48s	-21 58' 17.0"	5.1558	4.1393	-2.8	179.2	0.2	15.25	192.59	19.66	260.0	Sgr
16 Jul 2020	19h34m35.63s	-21 59' 39.5"	5.1554	4.1394	-2.8	178.2	0.4	15.07	193.65	19.65	260.1	Sgr
17 Jul 2020	19h34m02.79s	-22 01' 01.4"	5.1550	4.1397	-2.8	177.1	0.6	14.88	194.71	19.62	260.2	Sgr
18 Jul 2020	19h33m30.00s	-22 02' 22.7"	5.1547	4.1403	-2.7	176.0	0.8	14.68	195.77	19.58	260.2	Sgr
19 Jul 2020	19h32m57.28s	-22 03' 43.4"	5.1543	4.1412	-2.7	174.9	1.0	14.46	196.82	19.52	260.3	Sgr
20 Jul 2020	19h32m24.64s	-22 05' 03.3"	5.1539	4.1424	-2.7	173.8	1.2	14.23	197.87	19.45	260.4	Sgr
21 Jul 2020	19h31m52.13s	-22 06' 22.4"	5.1536	4.1439	-2.7	172.8	1.4	13.99	198.91	19.36	260.4	Sgr
22 Jul 2020	19h31m19.76s	-22 07' 40.7"	5.1532	4.1458	-2.7	171.7	1.6	13.74	199.95	19.26	260.5	Sgr
23 Jul 2020	19h30m47.55s	-22 08' 58.2"	5.1529	4.1479	-2.7	170.6	1.8	13.48	200.98	19.14	260.5	Sgr
24 Jul 2020	19h30m15.54s	-22 10' 14.7"	5.1525	4.1502	-2.7	169.5	2.1	13.20	202.01	19.01	260.6	Sgr
25 Jul 2020	19h29m43.75s	-22 11' 30.3"	5.1521	4.1529	-2.7	168.4	2.3	12.92	203.03	18.87	260.7	Sgr
26 Jul 2020	19h29m12.19s	-22 12' 44.9"	5.1518	4.1559	-2.7	167.4	2.5	12.62	204.05	18.71	260.7	Sgr
27 Jul 2020	19h28m40.90s	-22 13' 58.4"	5.1514	4.1592	-2.7	166.3	2.7	12.32	205.06	18.54	260.8	Sgr
28 Jul 2020	19h28m09.90s	-22 15' 10.8"	5.1510	4.1627	-2.7	165.2	2.9	12.00	206.06	18.36	260.8	Sgr
29 Jul 2020	19h27m39.20s	-22 16' 22.2"	5.1507	4.1665	-2.7	164.1	3.1	11.68	207.06	18.16	260.9	Sgr
30 Jul 2020	19h27m08.83s	-22 17' 32.3"	5.1503	4.1707	-2.7	163.1	3.3	11.34	208.05	17.95	261.0	Sgr
31 Jul 2020	19h26m38.81s	-22 18' 41.3"	5.1500	4.1750	-2.7	162.0	3.5	10.99	209.04	17.73	261.0	Sgr
1 Aug 2020	19h26m09.15s	-22 19' 49.1"	5.1496	4.1797	-2.7	160.9	3.7	10.64	210.02	17.50	261.1	Sgr
2 Aug 2020	19h25m39.89s	-22 20' 55.6"	5.1492	4.1847	-2.7	159.8	3.9	10.28	211.00	17.26	261.1	Sgr
3 Aug 2020	19h25m11.03s	-22 22' 00.9"	5.1489	4.1899	-2.7	158.8	4.1	9.90	211.96	17.00	261.2	Sgr
4 Aug 2020	19h24m42.60s	-22 23' 04.8"	5.1485	4.1954	-2.7	157.7	4.3	9.52	212.92	16.74	261.2	Sgr
5 Aug 2020	19h24m14.62s	-22 24' 07.4"	5.1481	4.2011	-2.7	156.6	4.5	9.13	213.88	16.47	261.3	Sgr
6 Aug 2020	19h23m47.09s	-22 25' 08.7"	5.1478	4.2072	-2.7	155.6	4.7	8.73	214.83	16.18	261.4	Sgr
7 Aug 2020	19h23m20.05s	-22 26' 08.6"	5.1474	4.2135	-2.7	154.5	4.9	8.32	215.77	15.88	261.4	Sgr
8 Aug 2020	19h22m53.51s	-22 27' 07.1"	5.1471	4.2200	-2.7	153.4	5.1	7.91	216.70	15.58	261.5	Sgr
9 Aug 2020	19h22m27.48s	-22 28' 04.3"	5.1467	4.2268	-2.7	152.4	5.2	7.49	217.63	15.26	261.5	Sgr

EPHEMERIDE 2020 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
10 Aug 2020	19h22m01.99s	-22 29' 00.0"	5.1463	4.2339	-2.7	151.3	5.4	7.06	218.55	14.94	261.6	Sgr
11 Aug 2020	19h21m37.05s	-22 29' 54.2"	5.1460	4.2412	-2.7	150.3	5.6	6.62	219.46	14.60	261.6	Sgr
12 Aug 2020	19h21m12.68s	-22 30' 47.0"	5.1456	4.2488	-2.7	149.2	5.8	6.18	220.37	14.25	261.7	Sgr
13 Aug 2020	19h20m48.89s	-22 31' 38.4"	5.1452	4.2566	-2.7	148.2	6.0	5.73	221.27	13.90	261.7	Sgr
14 Aug 2020	19h20m25.70s	-22 32' 28.2"	5.1449	4.2647	-2.7	147.1	6.1	5.27	222.17	13.54	261.8	Sgr
15 Aug 2020	19h20m03.13s	-22 33' 16.6"	5.1445	4.2730	-2.7	146.1	6.3	4.81	223.05	13.16	261.8	Sgr
16 Aug 2020	19h19m41.20s	-22 34' 03.5"	5.1442	4.2815	-2.7	145.0	6.5	4.34	223.93	12.78	261.8	Sgr
17 Aug 2020	19h19m19.91s	-22 34' 48.8"	5.1438	4.2903	-2.6	144.0	6.6	3.87	224.81	12.39	261.9	Sgr
18 Aug 2020	19h18m59.28s	-22 35' 32.6"	5.1434	4.2994	-2.6	142.9	6.8	3.39	225.67	11.99	261.9	Sgr
19 Aug 2020	19h18m39.33s	-22 36' 14.9"	5.1431	4.3086	-2.6	141.9	7.0	2.90	226.53	11.59	262.0	Sgr
20 Aug 2020	19h18m20.07s	-22 36' 55.7"	5.1427	4.3181	-2.6	140.9	7.1	2.41	227.39	11.17	262.0	Sgr
21 Aug 2020	19h18m01.52s	-22 37' 34.9"	5.1424	4.3278	-2.6	139.8	7.3	1.91	228.24	10.75	262.0	Sgr
22 Aug 2020	19h17m43.68s	-22 38' 12.6"	5.1420	4.3377	-2.6	138.8	7.4	1.42	229.08	10.32	262.1	Sgr
23 Aug 2020	19h17m25.57s	-22 38' 48.7"	5.1416	4.3478	-2.6	137.8	7.6	0.91	229.91	9.89	262.1	Sgr
24 Aug 2020	19h17m10.19s	-22 39' 23.3"	5.1413	4.3581	-2.6	136.7	7.7	0.40	230.74	9.45	262.1	Sgr
25 Aug 2020	19h16m54.57s	-22 39' 56.3"	5.1409	4.3687	-2.6	135.7	7.9	-0.11	231.57	9.00	262.2	Sgr
26 Aug 2020	19h16m39.70s	-22 40' 27.7"	5.1406	4.3794	-2.6	134.7	8.0	-0.63	232.38	8.55	262.2	Sgr
27 Aug 2020	19h16m25.59s	-22 40' 57.6"	5.1402	4.3904	-2.6	133.7	8.2	-1.15	233.20	8.10	262.2	Sgr
28 Aug 2020	19h16m12.25s	-22 41' 25.9"	5.1398	4.4015	-2.6	132.6	8.3	-1.67	234.00	7.65	262.3	Sgr
29 Aug 2020	19h15m59.69s	-22 41' 52.6"	5.1395	4.4128	-2.6	131.6	8.4	-2.20	234.80	7.19	262.3	Sgr
30 Aug 2020	19h15m47.91s	-22 42' 17.8"	5.1391	4.4243	-2.6	130.6	8.6	-2.73	235.60	6.72	262.3	Sgr
31 Aug 2020	19h15m36.91s	-22 42' 41.5"	5.1388	4.4360	-2.6	129.6	8.7	-3.26	236.39	6.26	262.3	Sgr
1 Sep 2020	19h15m26.71s	-22 43' 03.6"	5.1384	4.4478	-2.6	128.6	8.8	-3.79	237.17	5.79	262.4	Sgr
2 Sep 2020	19h15m17.31s	-22 43' 24.1"	5.1380	4.4598	-2.6	127.6	9.0	-4.33	237.95	5.32	262.4	Sgr
3 Sep 2020	19h15m08.71s	-22 43' 43.1"	5.1377	4.4720	-2.5	126.6	9.1	-4.87	238.73	4.84	262.4	Sgr
4 Sep 2020	19h15m00.91s	-22 44' 00.5"	5.1373	4.4844	-2.5	125.6	9.2	-5.42	239.50	4.37	262.4	Sgr
5 Sep 2020	19h14m53.92s	-22 44' 16.4"	5.1370	4.4969	-2.5	124.6	9.3	-5.96	240.26	3.89	262.5	Sgr
6 Sep 2020	19h14m47.74s	-22 44' 30.7"	5.1366	4.5096	-2.5	123.6	9.4	-6.51	241.02	3.41	262.5	Sgr
7 Sep 2020	19h14m42.39s	-22 44' 43.5"	5.1363	4.5224	-2.5	122.6	9.5	-7.06	241.78	2.93	262.5	Sgr
8 Sep 2020	19h14m37.85s	-22 44' 54.8"	5.1359	4.5353	-2.5	121.6	9.6	-7.61	242.53	2.44	262.6	Sgr
9 Sep 2020	19h14m34.13s	-22 45' 04.5"	5.1355	4.5484	-2.5	120.6	9.7	-8.16	243.28	1.96	262.6	Sgr
10 Sep 2020	19h14m31.24s	-22 45' 12.7"	5.1352	4.5617	-2.5	119.7	9.8	-8.71	244.02	1.47	262.7	Sgr
11 Sep 2020	19h14m29.17s	-22 45' 19.3"	5.1348	4.5751	-2.5	118.7	9.9	-9.26	244.76	0.99	262.7	Sgr
12 Sep 2020	19h14m27.94s	-22 45' 24.4"	5.1345	4.5886	-2.5	117.7	10.0	-9.82	245.50	0.50	263.0	Sgr
13 Sep 2020	19h14m27.53s	-22 45' 28.0"	5.1341	4.6022	-2.5	116.7	10.1	-10.38	246.23	0.01	284.9	Sgr
14 Sep 2020	19h14m27.96s	-22 45' 30.0"	5.1337	4.6160	-2.5	115.8	10.2	-10.93	246.96	0.48	82.0	Sgr
15 Sep 2020	19h14m29.22s	-22 45' 30.6"	5.1334	4.6299	-2.5	114.8	10.2	-11.49	247.68	0.97	82.3	Sgr
16 Sep 2020	19h14m31.31s	-22 45' 29.5"	5.1330	4.6438	-2.5	113.8	10.3	-12.05	248.41	1.46	82.4	Sgr
17 Sep 2020	19h14m34.25s	-22 45' 27.0"	5.1327	4.6579	-2.5	112.9	10.4	-12.61	249.12	1.95	82.4	Sgr
18 Sep 2020	19h14m38.01s	-22 45' 22.9"	5.1323	4.6721	-2.4	111.9	10.5	-13.17	249.84	2.44	82.5	Sgr
19 Sep 2020	19h14m42.61s	-22 45' 17.3"	5.1320	4.6864	-2.4	110.9	10.5	-13.73	250.55	2.93	82.5	Sgr
20 Sep 2020	19h14m48.04s	-22 45' 10.2"	5.1316	4.7008	-2.4	110.0	10.6	-14.29	251.27	3.42	82.5	Sgr
21 Sep 2020	19h14m54.31s	-22 45' 01.5"	5.1312	4.7153	-2.4	109.0	10.7	-14.85	251.97	3.91	82.5	Sgr
22 Sep 2020	19h15m01.40s	-22 44' 51.3"	5.1309	4.7299	-2.4	108.1	10.7	-15.40	252.68	4.39	82.5	Sgr
23 Sep 2020	19h15m09.31s	-22 44' 39.5"	5.1305	4.7445	-2.4	107.1	10.8	-15.96	253.39	4.87	82.5	Sgr
24 Sep 2020	19h15m18.04s	-22 44' 26.3"	5.1302	4.7593	-2.4	106.2	10.8	-16.52	254.09	5.35	82.5	Sgr
25 Sep 2020	19h15m27.59s	-22 44' 11.5"	5.1298	4.7741	-2.4	105.2	10.9	-17.08	254.79	5.83	82.5	Sgr
26 Sep 2020	19h15m37.95s	-22 43' 55.1"	5.1295	4.7889	-2.4	104.3	10.9	-17.64	255.49	6.31	82.5	Sgr
27 Sep 2020	19h15m49.11s	-22 43' 37.2"	5.1291	4.8039	-2.4	103.4	11.0	-18.20	256.18	6.78	82.4	Sgr
28 Sep 2020	19h16m01.08s	-22 43' 17.8"	5.1288	4.8188	-2.4	102.4	11.0	-18.75	256.88	7.25	82.4	Sgr
29 Sep 2020	19h16m13.84s	-22 42' 56.9"	5.1284	4.8339	-2.4	101.5	11.0	-19.31	257.57	7.71	82.4	Sgr
30 Sep 2020	19h16m27.39s	-22 42' 34.4"	5.1280	4.8490	-2.4	100.6	11.1	-19.87	258.27	8.18	82.4	Sgr
1 Okt 2020	19h16m41.72s	-22 42' 10.4"	5.1277	4.8641	-2.4	99.6	11.1	-20.42	258.96	8.64	82.4	Sgr
2 Okt 2020	19h16m56.83s	-22 41' 44.8"	5.1273	4.8793	-2.4	98.7	11.1	-20.97	259.65	9.09	82.4	Sgr
3 Okt 2020	19h17m12.72s	-22 41' 17.7"	5.1270	4.8945	-2.3	97.8	11.1	-21.53	260.34	9.55	82.3	Sgr
4 Okt 2020	19h17m29.38s	-22 40' 49.0"	5.1266	4.9098	-2.3	96.9	11.2	-22.08	261.03	10.00	82.3	Sgr
5 Okt 2020	19h17m46.81s	-22 40' 18.8"	5.1263	4.9250	-2.3	96.0	11.2	-22.63	261.72	10.45	82.3	Sgr
6 Okt 2020	19h18m04.99s	-22 39' 47.0"	5.1259	4.9404	-2.3	95.0	11.2	-23.18	262.41	10.90	82.3	Sgr
7 Okt 2020	19h18m23.93s	-22 39' 13.7"	5.1256	4.9557	-2.3	94.1	11.2	-23.72	263.10	11.34	82.3	Sgr
8 Okt 2020	19h18m43.61s	-22 38' 38.8"	5.1252	4.9710	-2.3	93.2	11.2	-24.27	263.79	11.78	82.2	Sgr
9 Okt 2020	19h19m04.04s	-22 38' 02.3"	5.1249	4.9864	-2.3	92.3	11.2	-24.81	264.48	12.21	82.2	Sgr
10 Okt 2020	19h19m25.21s	-22 37' 24.2"	5.1245	5.0018	-2.3	91.4	11.2	-25.36	265.17	12.65	82.2	Sgr
11 Okt 2020	19h19m47.11s	-22 36' 44.6"	5.1241	5.0172	-2.3	90.5	11.2	-25.90	265.87	13.08	82.2	Sgr
12 Okt 2020	19h20m09.74s	-22 36' 03.4"	5.1238	5.0326	-2.3	89.6	11.2	-26.44	266.56	13.51	82.1	Sgr
13 Okt 2020	19h20m33.09s	-22 35' 20.6"	5.1234	5.0480	-2.3	88.7	11.2	-26.98	267.25	13.93	82.1	Sgr
14 Okt 2020	19h20m57.15s	-22 34' 36.2"	5.1231	5.0634	-2.3	87.8	11.2	-27.51	267.95	14.35	82.1	Sgr
15 Okt 2020	19h21m21.93s	-22 33' 50.2"	5.1227	5.0788	-2.3	86.9	11.2	-28.05	268.64	14.77	82.0	Sgr
16 Okt 2020	19h21m47.41s	-22 33' 02.5"	5.1224	5.0941	-2.3	86.0	11.2	-28.58	269.34	15.19	82.0	Sgr
17 Okt 2020	19h22m13.59s	-22 32' 13.3"	5.1220	5.1095	-2.3	85.1	11.2	-29.11	270.04	15.60	82.0	Sgr
18 Okt 2020	19h22m40.46s	-22 31' 22.4"	5.1217	5.1248	-2.2	84.2	11.2	-29.64	270.74	16.01	81.9	Sgr
19 Okt 2020	19h23m08.02s	-22 30' 29.9"	5.1213	5.1402	-2.2	83.4	11.1	-30.16	271.44	16.41	81.9	Sgr
20 Okt 2020	19h23m36.25s	-22 29' 35.7"	5.1210	5.1554	-2.2	82.5	11.1	-30.69	272.15	16.81	81.8	Sgr
21 Okt 2020	19h24m05.14s	-22 28' 39.9"	5.1206	5.1707	-2.2	81.6	11.1	-31.21	272.86	17.20	81.8	Sgr
22 Okt 2020	19h24m34.70s	-22 27' 42.5"	5.1203	5.1859	-2.2	80.7	11.1	-31.73	273.57	17.59	81.8	Sgr

EPHEMERIDE 2020 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
23 Okt 2020	19h25m04.91s	-22 26' 43.3"	5.1199	5.2011	-2.2	79.8	11.0	-32.24	274.28	17.97	81.7	Sgr
24 Okt 2020	19h25m35.75s	-22 25' 42.5"	5.1196	5.2162	-2.2	79.0	11.0	-32.76	274.99	18.35	81.7	Sgr
25 Okt 2020	19h26m07.23s	-22 24' 40.1"	5.1192	5.2313	-2.2	78.1	11.0	-33.27	275.71	18.73	81.6	Sgr
26 Okt 2020	19h26m39.34s	-22 23' 35.9"	5.1189	5.2463	-2.2	77.2	10.9	-33.78	276.44	19.10	81.6	Sgr
27 Okt 2020	19h27m12.06s	-22 22' 30.1"	5.1185	5.2613	-2.2	76.3	10.9	-34.28	277.16	19.46	81.5	Sgr
28 Okt 2020	19h27m45.39s	-22 21' 22.6"	5.1182	5.2763	-2.2	75.5	10.8	-34.79	277.89	19.82	81.5	Sgr
29 Okt 2020	19h28m19.31s	-22 20' 13.4"	5.1178	5.2911	-2.2	74.6	10.8	-35.29	278.62	20.18	81.4	Sgr
30 Okt 2020	19h28m53.84s	-22 19' 02.4"	5.1175	5.3059	-2.2	73.7	10.7	-35.78	279.36	20.53	81.4	Sgr
31 Okt 2020	19h29m28.94s	-22 17' 49.8"	5.1171	5.3207	-2.2	72.9	10.7	-36.28	280.10	20.88	81.3	Sgr
1 Nov 2020	19h30m04.62s	-22 16' 35.5"	5.1168	5.3354	-2.2	72.0	10.6	-36.77	280.85	21.22	81.3	Sgr
2 Nov 2020	19h30m40.87s	-22 15' 19.4"	5.1164	5.3500	-2.2	71.2	10.6	-37.26	281.60	21.56	81.2	Sgr
3 Nov 2020	19h31m17.69s	-22 14' 01.6"	5.1160	5.3645	-2.2	70.3	10.5	-37.74	282.35	21.90	81.2	Sgr
4 Nov 2020	19h31m55.06s	-22 12' 42.1"	5.1157	5.3789	-2.1	69.4	10.5	-38.23	283.11	22.23	81.1	Sgr
5 Nov 2020	19h32m32.97s	-22 11' 20.9"	5.1154	5.3933	-2.1	68.6	10.4	-38.71	283.88	22.56	81.1	Sgr
6 Nov 2020	19h33m11.43s	-22 09' 57.9"	5.1150	5.4076	-2.1	67.7	10.3	-39.18	284.65	22.88	81.0	Sgr
7 Nov 2020	19h33m50.41s	-22 08' 33.1"	5.1147	5.4218	-2.1	66.9	10.3	-39.65	285.42	23.20	81.0	Sgr
8 Nov 2020	19h34m29.93s	-22 07' 06.6"	5.1143	5.4359	-2.1	66.0	10.2	-40.12	286.21	23.52	80.9	Sgr
9 Nov 2020	19h35m09.96s	-22 05' 38.3"	5.1140	5.4499	-2.1	65.2	10.1	-40.59	286.99	23.83	80.9	Sgr
10 Nov 2020	19h35m50.51s	-22 04' 08.2"	5.1136	5.4639	-2.1	64.3	10.1	-41.05	287.79	24.14	80.8	Sgr
11 Nov 2020	19h36m31.56s	-22 02' 36.4"	5.1133	5.4777	-2.1	63.5	10.0	-41.50	288.59	24.44	80.7	Sgr
12 Nov 2020	19h37m13.11s	-22 01' 02.8"	5.1129	5.4914	-2.1	62.7	9.9	-41.96	289.40	24.74	80.7	Sgr
13 Nov 2020	19h37m55.16s	-21 59' 27.3"	5.1126	5.5050	-2.1	61.8	9.8	-42.41	290.21	25.04	80.6	Sgr
14 Nov 2020	19h38m37.68s	-21 57' 50.1"	5.1122	5.5185	-2.1	61.0	9.7	-42.85	291.03	25.33	80.6	Sgr
15 Nov 2020	19h39m20.68s	-21 56' 11.1"	5.1119	5.5319	-2.1	60.1	9.7	-43.29	291.86	25.62	80.5	Sgr
16 Nov 2020	19h40m04.15s	-21 54' 30.3"	5.1115	5.5452	-2.1	59.3	9.6	-43.73	292.70	25.91	80.4	Sgr
17 Nov 2020	19h40m48.08s	-21 52' 47.6"	5.1112	5.5584	-2.1	58.5	9.5	-44.16	293.54	26.18	80.4	Sgr
18 Nov 2020	19h41m32.46s	-21 51' 03.2"	5.1108	5.5715	-2.1	57.6	9.4	-44.59	294.39	26.46	80.3	Sgr
19 Nov 2020	19h42m17.28s	-21 49' 16.9"	5.1105	5.5844	-2.1	56.8	9.3	-45.01	295.25	26.73	80.3	Sgr
20 Nov 2020	19h43m02.53s	-21 47' 28.8"	5.1101	5.5972	-2.1	56.0	9.2	-45.43	296.12	26.99	80.2	Sgr
21 Nov 2020	19h43m48.20s	-21 45' 38.8"	5.1098	5.6099	-2.1	55.1	9.1	-45.85	297.00	27.25	80.1	Sgr
22 Nov 2020	19h44m34.29s	-21 43' 47.1"	5.1094	5.6224	-2.1	54.3	9.0	-46.25	297.88	27.51	80.1	Sgr
23 Nov 2020	19h45m20.79s	-21 41' 53.5"	5.1091	5.6348	-2.1	53.5	8.9	-46.66	298.78	27.76	80.0	Sgr
24 Nov 2020	19h46m07.69s	-21 39' 58.1"	5.1087	5.6471	-2.1	52.6	8.8	-47.06	299.68	28.00	79.9	Sgr
25 Nov 2020	19h46m54.97s	-21 38' 00.9"	5.1084	5.6592	-2.1	51.8	8.7	-47.45	300.59	28.24	79.9	Sgr
26 Nov 2020	19h47m42.64s	-21 36' 01.8"	5.1080	5.6712	-2.0	51.0	8.6	-47.84	301.51	28.48	79.8	Sgr
27 Nov 2020	19h48m30.69s	-21 34' 01.0"	5.1077	5.6831	-2.0	50.2	8.5	-48.22	302.45	28.71	79.7	Sgr
28 Nov 2020	19h49m19.10s	-21 31' 58.3"	5.1074	5.6948	-2.0	49.4	8.4	-48.60	303.39	28.94	79.7	Sgr
29 Nov 2020	19h50m07.87s	-21 29' 53.7"	5.1070	5.7064	-2.0	48.5	8.3	-48.97	304.34	29.17	79.6	Sgr
30 Nov 2020	19h50m56.99s	-21 27' 47.4"	5.1067	5.7178	-2.0	47.7	8.2	-49.34	305.30	29.39	79.5	Sgr
1 Dez 2020	19h51m46.46s	-21 25' 39.2"	5.1063	5.7291	-2.0	46.9	8.1	-49.70	306.28	29.61	79.5	Sgr
2 Dez 2020	19h52m36.27s	-21 23' 29.2"	5.1060	5.7402	-2.0	46.1	8.0	-50.05	307.26	29.82	79.4	Sgr
3 Dez 2020	19h53m26.41s	-21 21' 17.4"	5.1056	5.7512	-2.0	45.3	7.9	-50.40	308.25	30.03	79.3	Sgr
4 Dez 2020	19h54m16.87s	-21 19' 03.7"	5.1053	5.7620	-2.0	44.5	7.8	-50.74	309.26	30.24	79.2	Sgr
5 Dez 2020	19h55m07.66s	-21 16' 48.2"	5.1049	5.7726	-2.0	43.6	7.7	-51.07	310.27	30.44	79.2	Sgr
6 Dez 2020	19h55m58.76s	-21 14' 30.9"	5.1046	5.7831	-2.0	42.8	7.5	-51.40	311.30	30.64	79.1	Sgr
7 Dez 2020	19h56m50.16s	-21 12' 11.8"	5.1043	5.7935	-2.0	42.0	7.4	-51.72	312.34	30.83	79.0	Sgr
8 Dez 2020	19h57m41.86s	-21 09' 50.9"	5.1039	5.8036	-2.0	41.2	7.3	-52.03	313.39	31.03	79.0	Sgr
9 Dez 2020	19h58m33.86s	-21 07' 28.1"	5.1036	5.8136	-2.0	40.4	7.2	-52.34	314.45	31.22	78.9	Sgr
10 Dez 2020	19h59m26.14s	-21 05' 03.5"	5.1032	5.8235	-2.0	39.6	7.1	-52.64	315.52	31.40	78.8	Sgr
11 Dez 2020	20h00m18.70s	-21 02' 37.2"	5.1029	5.8331	-2.0	38.8	6.9	-52.93	316.60	31.58	78.7	Sgr
12 Dez 2020	20h01m11.54s	-21 00' 09.0"	5.1025	5.8426	-2.0	38.0	6.8	-53.21	317.70	31.76	78.7	Sgr
13 Dez 2020	20h02m04.64s	-20 57' 39.0"	5.1022	5.8520	-2.0	37.2	6.7	-53.49	318.80	31.93	78.6	Sgr
14 Dez 2020	20h02m58.00s	-20 55' 07.2"	5.1019	5.8611	-2.0	36.4	6.6	-53.76	319.92	32.10	78.5	Sgr
15 Dez 2020	20h03m51.61s	-20 52' 33.6"	5.1015	5.8701	-2.0	35.6	6.4	-54.02	321.05	32.27	78.5	Sgr
16 Dez 2020	20h04m45.17s	-20 49' 58.2"	5.1012	5.8789	-2.0	34.8	6.3	-54.27	322.19	32.43	78.4	Sgr
17 Dez 2020	20h05m39.56s	-20 47' 21.0"	5.1008	5.8875	-2.0	33.9	6.2	-54.51	323.34	32.58	78.3	Sgr
18 Dez 2020	20h06m33.87s	-20 44' 42.1"	5.1005	5.8959	-2.0	33.1	6.1	-54.75	324.50	32.74	78.2	Sgr
19 Dez 2020	20h07m28.41s	-20 42' 01.4"	5.1001	5.9042	-2.0	32.3	5.9	-54.97	325.67	32.88	78.2	Cap
20 Dez 2020	20h08m23.15s	-20 39' 19.0"	5.0998	5.9122	-2.0	31.5	5.8	-55.19	326.85	33.03	78.1	Cap
21 Dez 2020	20h09m18.10s	-20 36' 34.8"	5.0995	5.9201	-2.0	30.7	5.7	-55.40	328.04	33.17	78.0	Cap
22 Dez 2020	20h10m13.25s	-20 33' 48.9"	5.0991	5.9278	-2.0	29.9	5.5	-55.60	329.25	33.30	77.9	Cap
23 Dez 2020	20h11m08.59s	-20 31' 01.3"	5.0988	5.9353	-2.0	29.2	5.4	-55.79	330.46	33.43	77.9	Cap
24 Dez 2020	20h12m04.11s	-20 28' 12.0"	5.0984	5.9426	-2.0	28.4	5.3	-55.97	331.68	33.56	77.8	Cap
25 Dez 2020	20h12m59.81s	-20 25' 21.0"	5.0981	5.9497	-2.0	27.6	5.1	-56.14	332.91	33.68	77.7	Cap
26 Dez 2020	20h13m55.67s	-20 22' 28.3"	5.0978	5.9566	-2.0	26.8	5.0	-56.30	334.15	33.80	77.6	Cap
27 Dez 2020	20h14m51.70s	-20 19' 33.9"	5.0974	5.9633	-2.0	26.0	4.8	-56.45	335.40	33.92	77.6	Cap
28 Dez 2020	20h15m47.89s	-20 16' 37.9"	5.0971	5.9699	-2.0	25.2	4.7	-56.59	336.66	34.03	77.5	Cap
29 Dez 2020	20h16m44.22s	-20 13' 40.3"	5.0967	5.9762	-2.0	24.4	4.6	-56.72	337.92	34.14	77.4	Cap
30 Dez 2020	20h17m40.71s	-20 10' 41.0"	5.0964	5.9823	-2.0	23.6	4.4	-56.84	339.19	34.25	77.3	Cap
31 Dez 2020	20h18m37.33s	-20 07' 40.0"	5.0961	5.9883	-2.0	22.8	4.3	-56.95	340.47	34.35	77.3	Cap
1 Jan 2021	20h19m34.08s	-20 04' 37.5"	5.0957	5.9940	-2.0	22.0	4.1	-57.05	341.75	34.45	77.2	Cap