



Die Bahn des Planeten Jupiter 2021

EPHEMERIDE 2021 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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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
2 Jan 2021	20h20m30.97s	-20 01' 33.4"	5.0954	5.9996	-2.0	21.2	4.0	-57.14	343.04	34.55	77.1	Cap
3 Jan 2021	20h21m27.97s	-19 58' 27.6"	5.0950	6.0049	-2.0	20.4	3.9	-57.22	344.33	34.64	77.0	Cap
4 Jan 2021	20h22m25.10s	-19 55' 20.4"	5.0947	6.0101	-2.0	19.6	3.7	-57.29	345.63	34.73	77.0	Cap
5 Jan 2021	20h23m22.33s	-19 52' 11.5"	5.0944	6.0150	-2.0	18.9	3.6	-57.34	346.93	34.82	76.9	Cap
6 Jan 2021	20h24m19.67s	-19 49' 01.1"	5.0940	6.0198	-1.9	18.1	3.4	-57.39	348.23	34.90	76.8	Cap
7 Jan 2021	20h25m17.12s	-19 45' 49.2"	5.0937	6.0243	-1.9	17.3	3.3	-57.42	349.54	34.99	76.7	Cap
8 Jan 2021	20h26m14.65s	-19 42' 35.7"	5.0934	6.0287	-1.9	16.5	3.1	-57.45	350.85	35.06	76.7	Cap
9 Jan 2021	20h27m12.28s	-19 39' 20.8"	5.0930	6.0328	-1.9	15.7	3.0	-57.46	352.16	35.14	76.6	Cap
10 Jan 2021	20h28m09.99s	-19 36' 04.4"	5.0927	6.0367	-1.9	14.9	2.8	-57.46	353.47	35.21	76.5	Cap
11 Jan 2021	20h29m07.77s	-19 32' 46.5"	5.0924	6.0404	-1.9	14.1	2.7	-57.46	354.78	35.27	76.4	Cap
12 Jan 2021	20h30m05.63s	-19 29' 27.1"	5.0920	6.0439	-1.9	13.3	2.6	-57.44	356.09	35.34	76.4	Cap
13 Jan 2021	20h31m03.55s	-19 26' 06.4"	5.0917	6.0472	-1.9	12.6	2.4	-57.41	357.39	35.40	76.3	Cap
14 Jan 2021	20h32m01.52s	-19 22' 44.2"	5.0913	6.0503	-1.9	11.8	2.3	-57.37	358.70	35.45	76.2	Cap
15 Jan 2021	20h32m59.54s	-19 19' 20.6"	5.0910	6.0532	-1.9	11.0	2.1	-57.31	0.00	35.50	76.1	Cap
16 Jan 2021	20h33m57.61s	-19 15' 55.7"	5.0907	6.0558	-1.9	10.2	2.0	-57.25	1.30	35.55	76.1	Cap
17 Jan 2021	20h34m55.71s	-19 12' 29.5"	5.0903	6.0583	-1.9	9.4	1.8	-57.18	2.59	35.59	76.0	Cap
18 Jan 2021	20h35m53.84s	-19 09' 01.9"	5.0900	6.0605	-1.9	8.6	1.7	-57.10	3.88	35.63	75.9	Cap
19 Jan 2021	20h36m51.99s	-19 05' 33.0"	5.0897	6.0626	-1.9	7.9	1.5	-57.00	5.17	35.66	75.9	Cap
20 Jan 2021	20h37m50.16s	-19 02' 02.9"	5.0893	6.0644	-1.9	7.1	1.4	-56.90	6.45	35.70	75.8	Cap
21 Jan 2021	20h38m48.34s	-18 58' 31.6"	5.0890	6.0660	-1.9	6.3	1.2	-56.78	7.72	35.72	75.7	Cap
22 Jan 2021	20h39m46.53s	-18 54' 59.0"	5.0887	6.0674	-1.9	5.5	1.1	-56.65	8.99	35.75	75.6	Cap
23 Jan 2021	20h40m44.71s	-18 51' 25.2"	5.0883	6.0686	-1.9	4.8	0.9	-56.52	10.25	35.77	75.6	Cap
24 Jan 2021	20h41m42.89s	-18 47' 50.2"	5.0880	6.0695	-1.9	4.0	0.8	-56.37	11.50	35.79	75.5	Cap
25 Jan 2021	20h42m41.06s	-18 44' 14.1"	5.0877	6.0703	-1.9	3.2	0.6	-56.22	12.74	35.80	75.4	Cap
26 Jan 2021	20h43m39.22s	-18 40' 36.9"	5.0873	6.0708	-1.9	2.4	0.5	-56.05	13.97	35.81	75.4	Cap
27 Jan 2021	20h44m37.35s	-18 36' 58.6"	5.0870	6.0712	-1.9	1.7	0.3	-55.87	15.20	35.82	75.3	Cap
28 Jan 2021	20h45m35.45s	-18 33' 19.2"	5.0867	6.0713	-2.0	1.0	0.2	-55.69	16.41	35.83	75.2	Cap
29 Jan 2021	20h46m33.53s	-18 29' 38.7"	5.0863	6.0712	-2.0	0.5	0.1	-55.49	17.62	35.83	75.1	Cap
30 Jan 2021	20h47m31.57s	-18 25' 57.2"	5.0860	6.0709	-2.0	0.9	0.2	-55.29	18.81	35.83	75.1	Cap
31 Jan 2021	20h48m29.57s	-18 22' 14.8"	5.0857	6.0704	-2.0	1.6	0.3	-55.08	20.00	35.83	75.0	Cap
1 Feb 2021	20h49m27.53s	-18 18' 31.3"	5.0853	6.0697	-2.0	2.3	0.5	-54.86	21.17	35.82	74.9	Cap
2 Feb 2021	20h50m25.43s	-18 14' 46.9"	5.0850	6.0688	-2.0	3.1	0.6	-54.62	22.33	35.82	74.9	Cap
3 Feb 2021	20h51m23.29s	-18 11' 01.5"	5.0847	6.0676	-1.9	3.9	0.7	-54.39	23.49	35.80	74.8	Cap
4 Feb 2021	20h52m21.08s	-18 07' 15.2"	5.0843	6.0663	-1.9	4.6	0.9	-54.14	24.63	35.79	74.7	Cap
5 Feb 2021	20h53m18.81s	-18 03' 28.1"	5.0840	6.0647	-1.9	5.4	1.0	-53.88	25.76	35.77	74.7	Cap
6 Feb 2021	20h54m16.47s	-17 59' 40.1"	5.0837	6.0629	-1.9	6.2	1.2	-53.62	26.87	35.75	74.6	Cap
7 Feb 2021	20h55m14.06s	-17 55' 51.2"	5.0834	6.0610	-1.9	7.0	1.3	-53.34	27.98	35.72	74.5	Cap
8 Feb 2021	20h56m11.57s	-17 52' 01.6"	5.0830	6.0588	-1.9	7.7	1.5	-53.06	29.07	35.70	74.5	Cap
9 Feb 2021	20h57m08.99s	-17 48' 11.2"	5.0827	6.0564	-2.0	8.5	1.6	-52.77	30.16	35.66	74.4	Cap
10 Feb 2021	20h58m06.32s	-17 44' 20.1"	5.0824	6.0538	-2.0	9.3	1.8	-52.48	31.23	35.63	74.3	Cap
11 Feb 2021	20h59m03.55s	-17 40' 28.3"	5.0820	6.0509	-2.0	10.1	1.9	-52.17	32.29	35.59	74.3	Cap
12 Feb 2021	21h00m00.67s	-17 36' 35.8"	5.0817	6.0479	-2.0	10.8	2.1	-51.86	33.34	35.54	74.2	Cap
13 Feb 2021	21h00m57.69s	-17 32' 42.7"	5.0814	6.0447	-2.0	11.6	2.2	-51.55	34.37	35.50	74.2	Cap
14 Feb 2021	21h01m54.59s	-17 28' 49.0"	5.0811	6.0412	-2.0	12.4	2.4	-51.22	35.40	35.44	74.1	Cap
15 Feb 2021	21h02m51.36s	-17 24' 54.7"	5.0807	6.0375	-2.0	13.2	2.5	-50.89	36.41	35.39	74.0	Cap
16 Feb 2021	21h03m48.01s	-17 20' 59.9"	5.0804	6.0337	-2.0	13.9	2.7	-50.55	37.41	35.33	74.0	Cap
17 Feb 2021	21h04m44.53s	-17 17' 04.6"	5.0801	6.0296	-2.0	14.7	2.8	-50.21	38.40	35.27	73.9	Cap
18 Feb 2021	21h05m40.91s	-17 13' 08.9"	5.0797	6.0253	-2.0	15.5	3.0	-49.86	39.38	35.20	73.8	Cap
19 Feb 2021	21h06m37.15s	-17 09' 12.7"	5.0794	6.0209	-2.0	16.3	3.1	-49.50	40.35	35.13	73.8	Cap
20 Feb 2021	21h07m33.24s	-17 05' 16.1"	5.0791	6.0162	-2.0	17.0	3.3	-49.14	41.31	35.06	73.7	Cap
21 Feb 2021	21h08m29.17s	-17 01' 19.2"	5.0788	6.0113	-2.0	17.8	3.4	-48.77	42.26	34.98	73.7	Cap
22 Feb 2021	21h09m24.95s	-16 57' 22.0"	5.0784	6.0062	-2.0	18.6	3.6	-48.39	43.19	34.91	73.6	Cap
23 Feb 2021	21h10m20.56s	-16 53' 24.4"	5.0781	6.0009	-2.0	19.4	3.7	-48.01	44.12	34.82	73.6	Cap
24 Feb 2021	21h11m16.01s	-16 49' 26.6"	5.0778	5.9955	-2.0	20.1	3.8	-47.63	45.03	34.74	73.5	Cap
25 Feb 2021	21h12m11.28s	-16 45' 28.6"	5.0775	5.9898	-2.0	20.9	4.0	-47.24	45.94	34.65	73.4	Cap
26 Feb 2021	21h13m06.38s	-16 41' 30.4"	5.0771	5.9839	-2.0	21.7	4.1	-46.84	46.83	34.56	73.4	Cap
27 Feb 2021	21h14m01.31s	-16 37' 32.0"	5.0768	5.9779	-2.0	22.5	4.3	-46.44	47.72	34.47	73.3	Cap
28 Feb 2021	21h14m56.04s	-16 33' 33.6"	5.0765	5.9716	-2.0	23.2	4.4	-46.03	48.60	34.37	73.3	Cap
1 Mar 2021	21h15m50.59s	-16 29' 35.0"	5.0762	5.9651	-2.0	24.0	4.6	-45.62	49.46	34.27	73.2	Cap
2 Mar 2021	21h16m44.95s	-16 25' 36.4"	5.0758	5.9585	-2.0	24.8	4.7	-45.20	50.32	34.17	73.2	Cap
3 Mar 2021	21h17m39.11s	-16 21' 37.7"	5.0755	5.9517	-2.0	25.6	4.8	-44.78	51.17	34.06	73.1	Cap
4 Mar 2021	21h18m33.07s	-16 17' 39.0"	5.0752	5.9446	-2.0	26.3	5.0	-44.36	52.01	33.95	73.1	Cap
5 Mar 2021	21h19m26.83s	-16 13' 40.4"	5.0749	5.9374	-2.0	27.1	5.1	-43.93	52.84	33.84	73.0	Cap
6 Mar 2021	21h20m20.37s	-16 09' 41.9"	5.0745	5.9300	-2.0	27.9	5.2	-43.49	53.66	33.73	73.0	Cap
7 Mar 2021	21h21m13.70s	-16 05' 43.5"	5.0742	5.9224	-2.0	28.7	5.4	-43.06	54.47	33.61	72.9	Cap
8 Mar 2021	21h22m06.80s	-16 01' 45.3"	5.0739	5.9147	-2.0	29.5	5.5	-42.61	55.28	33.48	72.8	Cap
9 Mar 2021	21h22m59.68s	-15 57' 47.2"	5.0736	5.9067	-2.0	30.2	5.7	-42.17	56.08	33.36	72.8	Cap
10 Mar 2021	21h23m52.33s	-15 53' 49.4"	5.0732	5.8986	-2.0	31.0	5.8	-41.72	56.87	33.23	72.7	Cap
11 Mar 2021	21h24m44.73s	-15 49' 51.9"	5.0729	5.8902	-2.0	31.8	5.9	-41.26	57.65	33.09	72.7	Cap
12 Mar 2021	21h25m36.90s	-15 45' 54.7"	5.0726	5.8817	-2.0	32.6	6.1	-40.81	58.43	32.95	72.7	Cap
13 Mar 2021	21h26m28.81s	-15 41' 57.8"	5.0723	5.8730	-2.0	33.3	6.2	-40.35	59.19	32.81	72.6	Cap
14 Mar 2021	21h27m20.46s	-15 38' 01.4"	5.0720	5.8642	-2.0	34.1	6.3	-39.88	59.96	32.66	72.6	Cap
15 Mar 2021	21h28m11.86s	-15 34' 05.4"	5.0716	5.8551	-2.0	34.9	6.4	-39.41	60.71	32.51	72.5	Cap

EPHEMERIDE 2021 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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16 Mar 2021	21h29m02.99s	-15 30' 10.0"	5.0713	5.8459	-2.0	35.7	6.6	-38.94	61.46	32.36	72.5	Cap
17 Mar 2021	21h29m53.84s	-15 26' 15.1"	5.0710	5.8365	-2.0	36.5	6.7	-38.47	62.20	32.20	72.4	Cap
18 Mar 2021	21h30m44.42s	-15 22' 20.7"	5.0707	5.8270	-2.0	37.3	6.8	-37.99	62.94	32.04	72.4	Cap
19 Mar 2021	21h31m34.71s	-15 18' 27.0"	5.0704	5.8172	-2.0	38.0	6.9	-37.51	63.67	31.87	72.3	Cap
20 Mar 2021	21h32m24.72s	-15 14' 33.9"	5.0700	5.8073	-2.0	38.8	7.1	-37.02	64.39	31.70	72.3	Cap
21 Mar 2021	21h33m14.43s	-15 10' 41.6"	5.0697	5.7973	-2.0	39.6	7.2	-36.54	65.11	31.53	72.3	Cap
22 Mar 2021	21h34m03.85s	-15 06' 50.0"	5.0694	5.7871	-2.0	40.4	7.3	-36.05	65.83	31.35	72.2	Cap
23 Mar 2021	21h34m52.96s	-15 02' 59.2"	5.0691	5.7767	-2.0	41.2	7.4	-35.55	66.54	31.18	72.2	Cap
24 Mar 2021	21h35m41.77s	-14 59' 09.2"	5.0688	5.7661	-2.0	42.0	7.6	-35.06	67.24	30.99	72.1	Cap
25 Mar 2021	21h36m30.27s	-14 55' 20.1"	5.0684	5.7554	-2.0	42.7	7.7	-34.56	67.94	30.81	72.1	Cap
26 Mar 2021	21h37m18.45s	-14 51' 32.0"	5.0681	5.7446	-2.0	43.5	7.8	-34.06	68.63	30.62	72.1	Cap
27 Mar 2021	21h38m06.32s	-14 47' 44.7"	5.0678	5.7336	-2.0	44.3	7.9	-33.56	69.33	30.43	72.0	Cap
28 Mar 2021	21h38m53.86s	-14 43' 58.5"	5.0675	5.7224	-2.0	45.1	8.0	-33.05	70.01	30.23	72.0	Cap
29 Mar 2021	21h39m41.07s	-14 40' 13.3"	5.0672	5.7111	-2.1	45.9	8.1	-32.54	70.69	30.03	72.0	Cap
30 Mar 2021	21h40m27.95s	-14 36' 29.1"	5.0669	5.6996	-2.1	46.7	8.2	-32.03	71.37	29.83	71.9	Cap
31 Mar 2021	21h41m14.49s	-14 32' 46.1"	5.0665	5.6880	-2.1	47.5	8.4	-31.52	72.04	29.63	71.9	Cap
1 Apr 2021	21h42m00.70s	-14 29' 04.2"	5.0662	5.6763	-2.1	48.3	8.5	-31.00	72.72	29.42	71.9	Cap
2 Apr 2021	21h42m46.55s	-14 25' 23.5"	5.0659	5.6644	-2.1	49.1	8.6	-30.48	73.38	29.21	71.8	Cap
3 Apr 2021	21h43m32.06s	-14 21' 44.0"	5.0656	5.6524	-2.1	49.8	8.7	-29.96	74.05	28.99	71.8	Cap
4 Apr 2021	21h44m17.20s	-14 18' 05.8"	5.0653	5.6402	-2.1	50.6	8.8	-29.44	74.71	28.77	71.8	Cap
5 Apr 2021	21h45m01.99s	-14 14' 28.9"	5.0650	5.6279	-2.1	51.4	8.9	-28.92	75.36	28.55	71.7	Cap
6 Apr 2021	21h45m46.40s	-14 10' 53.4"	5.0647	5.6155	-2.1	52.2	9.0	-28.39	76.02	28.32	71.7	Cap
7 Apr 2021	21h46m30.44s	-14 07' 19.4"	5.0643	5.6029	-2.1	53.0	9.1	-27.87	76.67	28.08	71.7	Cap
8 Apr 2021	21h47m14.10s	-14 03' 46.7"	5.0640	5.5902	-2.1	53.8	9.2	-27.34	77.32	27.85	71.6	Cap
9 Apr 2021	21h47m57.36s	-14 00' 15.7"	5.0637	5.5773	-2.1	54.6	9.3	-26.81	77.97	27.60	71.6	Cap
10 Apr 2021	21h48m40.24s	-13 56' 46.1"	5.0634	5.5644	-2.1	55.4	9.4	-26.27	78.61	27.36	71.6	Cap
11 Apr 2021	21h49m22.71s	-13 53' 18.2"	5.0631	5.5513	-2.1	56.2	9.5	-25.74	79.26	27.11	71.6	Cap
12 Apr 2021	21h50m04.78s	-13 49' 52.0"	5.0628	5.5381	-2.1	57.0	9.6	-25.20	79.90	26.85	71.6	Cap
13 Apr 2021	21h50m46.44s	-13 46' 27.5"	5.0625	5.5248	-2.1	57.8	9.7	-24.66	80.54	26.59	71.5	Cap
14 Apr 2021	21h51m27.68s	-13 43' 04.7"	5.0621	5.5113	-2.1	58.6	9.7	-24.12	81.18	26.33	71.5	Cap
15 Apr 2021	21h52m08.49s	-13 39' 43.8"	5.0618	5.4978	-2.1	59.4	9.8	-23.58	81.81	26.06	71.5	Cap
16 Apr 2021	21h52m48.88s	-13 36' 24.7"	5.0615	5.4841	-2.1	60.2	9.9	-23.04	82.45	25.79	71.5	Cap
17 Apr 2021	21h53m28.83s	-13 33' 07.5"	5.0612	5.4703	-2.1	61.0	10.0	-22.50	83.08	25.51	71.5	Cap
18 Apr 2021	21h54m08.34s	-13 29' 52.2"	5.0609	5.4564	-2.1	61.9	10.1	-21.95	83.72	25.24	71.4	Cap
19 Apr 2021	21h54m47.41s	-13 26' 39.0"	5.0606	5.4425	-2.1	62.7	10.2	-21.40	84.35	24.95	71.4	Cap
20 Apr 2021	21h55m26.03s	-13 23' 27.8"	5.0603	5.4284	-2.2	63.5	10.2	-20.86	84.98	24.67	71.4	Cap
21 Apr 2021	21h56m04.19s	-13 20' 18.7"	5.0600	5.4142	-2.2	64.3	10.3	-20.31	85.61	24.38	71.4	Cap
22 Apr 2021	21h56m41.90s	-13 17' 11.7"	5.0597	5.3999	-2.2	65.1	10.4	-19.76	86.24	24.08	71.4	Cap
23 Apr 2021	21h57m19.14s	-13 14' 06.9"	5.0594	5.3856	-2.2	65.9	10.5	-19.21	86.87	23.78	71.4	Cap
24 Apr 2021	21h57m55.91s	-13 11' 04.3"	5.0590	5.3711	-2.2	66.7	10.5	-18.66	87.50	23.48	71.4	Cap
25 Apr 2021	21h58m32.20s	-13 08' 04.0"	5.0587	5.3566	-2.2	67.6	10.6	-18.10	88.13	23.18	71.4	Cap
26 Apr 2021	21h59m08.02s	-13 05' 05.9"	5.0584	5.3420	-2.2	68.4	10.7	-17.55	88.76	22.87	71.4	Aqr
27 Apr 2021	21h59m43.36s	-13 02' 10.2"	5.0581	5.3273	-2.2	69.2	10.7	-16.99	89.39	22.56	71.4	Aqr
28 Apr 2021	22h00m18.21s	-12 59' 16.9"	5.0578	5.3125	-2.2	70.0	10.8	-16.44	90.02	22.25	71.4	Aqr
29 Apr 2021	22h00m52.56s	-12 56' 26.0"	5.0575	5.2977	-2.2	70.8	10.8	-15.88	90.65	21.93	71.4	Aqr
30 Apr 2021	22h01m26.42s	-12 53' 37.5"	5.0572	5.2828	-2.2	71.7	10.9	-15.32	91.29	21.60	71.4	Aqr
1 Mai 2021	22h01m59.77s	-12 50' 51.6"	5.0569	5.2678	-2.2	72.5	11.0	-14.77	91.92	21.28	71.4	Aqr
2 Mai 2021	22h02m32.61s	-12 48' 08.2"	5.0566	5.2527	-2.2	73.3	11.0	-14.21	92.55	20.95	71.4	Aqr
3 Mai 2021	22h03m04.93s	-12 45' 27.5"	5.0563	5.2376	-2.2	74.2	11.1	-13.65	93.19	20.61	71.4	Aqr
4 Mai 2021	22h03m36.72s	-12 42' 49.4"	5.0560	5.2224	-2.2	75.0	11.1	-13.09	93.82	20.27	71.4	Aqr
5 Mai 2021	22h04m07.99s	-12 40' 14.0"	5.0557	5.2072	-2.2	75.8	11.2	-12.53	94.46	19.92	71.4	Aqr
6 Mai 2021	22h04m38.71s	-12 37' 41.3"	5.0554	5.1919	-2.2	76.7	11.2	-11.97	95.10	19.57	71.4	Aqr
7 Mai 2021	22h05m08.90s	-12 35' 11.5"	5.0551	5.1765	-2.3	77.5	11.2	-11.41	95.74	19.21	71.4	Aqr
8 Mai 2021	22h05m38.53s	-12 32' 44.5"	5.0547	5.1611	-2.3	78.3	11.3	-10.85	96.38	18.85	71.4	Aqr
9 Mai 2021	22h06m07.60s	-12 30' 20.5"	5.0544	5.1456	-2.3	79.2	11.3	-10.29	97.02	18.49	71.5	Aqr
10 Mai 2021	22h06m36.11s	-12 27' 59.4"	5.0541	5.1302	-2.3	80.0	11.3	-9.73	97.67	18.12	71.5	Aqr
11 Mai 2021	22h07m04.06s	-12 25' 41.3"	5.0538	5.1146	-2.3	80.9	11.4	-9.17	98.32	17.75	71.5	Aqr
12 Mai 2021	22h07m31.42s	-12 23' 26.3"	5.0535	5.0991	-2.3	81.7	11.4	-8.61	98.97	17.37	71.5	Aqr
13 Mai 2021	22h07m58.21s	-12 21' 14.3"	5.0532	5.0835	-2.3	82.6	11.4	-8.05	99.62	16.99	71.6	Aqr
14 Mai 2021	22h08m24.40s	-12 19' 05.5"	5.0529	5.0678	-2.3	83.4	11.5	-7.49	100.27	16.60	71.6	Aqr
15 Mai 2021	22h08m50.01s	-12 16' 59.9"	5.0526	5.0522	-2.3	84.3	11.5	-6.93	100.93	16.21	71.6	Aqr
16 Mai 2021	22h09m15.01s	-12 14' 57.5"	5.0523	5.0365	-2.3	85.1	11.5	-6.37	101.59	15.82	71.7	Aqr
17 Mai 2021	22h09m39.42s	-12 12' 58.4"	5.0520	5.0208	-2.3	86.0	11.5	-5.81	102.25	15.42	71.7	Aqr
18 Mai 2021	22h10m03.21s	-12 11' 02.6"	5.0517	5.0051	-2.3	86.9	11.5	-5.25	102.92	15.02	71.8	Aqr
19 Mai 2021	22h10m26.39s	-12 09' 10.1"	5.0514	4.9894	-2.3	87.7	11.5	-4.69	103.59	14.62	71.8	Aqr
20 Mai 2021	22h10m48.96s	-12 07' 21.0"	5.0511	4.9737	-2.3	88.6	11.6	-4.13	104.26	14.21	71.9	Aqr
21 Mai 2021	22h11m10.90s	-12 05' 35.4"	5.0508	4.9579	-2.3	89.5	11.6	-3.57	104.94	13.80	72.0	Aqr
22 Mai 2021	22h11m32.22s	-12 03' 53.2"	5.0505	4.9422	-2.4	90.3	11.6	-3.02	105.62	13.39	72.1	Aqr
23 Mai 2021	22h11m52.90s	-12 02' 14.4"	5.0502	4.9265	-2.4	91.2	11.6	-2.46	106.30	12.97	72.1	Aqr
24 Mai 2021	22h12m12.95s	-12 00' 39.2"	5.0499	4.9108	-2.4	92.1	11.6	-1.91	106.99	12.56	72.2	Aqr
25 Mai 2021	22h12m32.36s	-11 59' 07.6"	5.0496	4.8951	-2.4	93.0	11.6	-1.36	107.68	12.13	72.3	Aqr
26 Mai 2021	22h12m51.13s	-11 57' 39.5"	5.0493	4.8794	-2.4	93.8	11.5	-0.81	108.38	11.71	72.4	Aqr
27 Mai 2021	22h13m09.25s	-11 56' 15.1"	5.0490	4.8637	-2.4	94.7	11.5	-0.25	109.08	11.28	72.5	Aqr
28 Mai 2021	22h13m26.72s	-11 54' 54.3"	5.0487	4.8480	-2.4	95.6	11.5	0.29	109.79	10.85	72.7	Aqr

EPHEMERIDE 2021 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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29 Mai 2021	22h13m43.52s	-11 53' 37.2"	5.0484	4.8324	-2.4	96.5	11.5	0.84	110.50	10.41	72.8	Aqr
30 Mai 2021	22h13m59.67s	-11 52' 23.8"	5.0481	4.8168	-2.4	97.4	11.5	1.39	111.21	9.97	73.0	Aqr
31 Mai 2021	22h14m15.14s	-11 51' 14.1"	5.0478	4.8012	-2.4	98.3	11.5	1.93	111.93	9.53	73.1	Aqr
1 Jun 2021	22h14m29.93s	-11 50' 08.3"	5.0475	4.7857	-2.4	99.2	11.4	2.47	112.66	9.08	73.3	Aqr
2 Jun 2021	22h14m44.05s	-11 49' 06.3"	5.0472	4.7702	-2.4	100.1	11.4	3.01	113.39	8.63	73.5	Aqr
3 Jun 2021	22h14m57.47s	-11 48' 08.2"	5.0469	4.7548	-2.4	101.0	11.4	3.55	114.12	8.18	73.8	Aqr
4 Jun 2021	22h15m10.21s	-11 47' 13.9"	5.0466	4.7394	-2.4	101.9	11.3	4.09	114.87	7.72	74.0	Aqr
5 Jun 2021	22h15m22.25s	-11 46' 23.6"	5.0463	4.7240	-2.5	102.8	11.3	4.62	115.61	7.26	74.3	Aqr
6 Jun 2021	22h15m33.59s	-11 45' 37.3"	5.0460	4.7087	-2.5	103.7	11.3	5.15	116.37	6.79	74.7	Aqr
7 Jun 2021	22h15m44.22s	-11 44' 54.9"	5.0457	4.6934	-2.5	104.6	11.2	5.68	117.13	6.33	75.1	Aqr
8 Jun 2021	22h15m54.14s	-11 44' 16.6"	5.0455	4.6783	-2.5	105.5	11.2	6.20	117.89	5.86	75.6	Aqr
9 Jun 2021	22h16m03.34s	-11 43' 42.3"	5.0452	4.6631	-2.5	106.4	11.1	6.73	118.66	5.39	76.1	Aqr
10 Jun 2021	22h16m11.83s	-11 43' 12.1"	5.0449	4.6481	-2.5	107.4	11.1	7.25	119.44	4.92	76.8	Aqr
11 Jun 2021	22h16m19.60s	-11 42' 46.0"	5.0446	4.6331	-2.5	108.3	11.0	7.76	120.23	4.44	77.6	Aqr
12 Jun 2021	22h16m26.65s	-11 42' 23.9"	5.0443	4.6183	-2.5	109.2	11.0	8.27	121.02	3.97	78.7	Aqr
13 Jun 2021	22h16m32.97s	-11 42' 06.0"	5.0440	4.6035	-2.5	110.1	10.9	8.78	121.82	3.50	80.0	Aqr
14 Jun 2021	22h16m38.56s	-11 41' 52.2"	5.0437	4.5887	-2.5	111.1	10.8	9.29	122.62	3.03	81.7	Aqr
15 Jun 2021	22h16m44.23s	-11 41' 42.5"	5.0434	4.5741	-2.5	112.0	10.8	9.79	123.44	2.56	84.0	Aqr
16 Jun 2021	22h16m47.56s	-11 41' 37.0"	5.0431	4.5596	-2.5	112.9	10.7	10.29	124.26	2.09	87.5	Aqr
17 Jun 2021	22h16m50.96s	-11 41' 35.7"	5.0428	4.5452	-2.5	113.9	10.6	10.78	125.08	1.64	92.8	Aqr
18 Jun 2021	22h16m53.63s	-11 41' 38.5"	5.0425	4.5309	-2.6	114.8	10.5	11.27	125.92	1.21	102.0	Aqr
19 Jun 2021	22h16m55.57s	-11 41' 45.4"	5.0422	4.5167	-2.6	115.8	10.5	11.75	126.76	0.85	120.0	Aqr
20 Jun 2021	22h16m56.78s	-11 41' 56.5"	5.0419	4.5026	-2.6	116.7	10.4	12.23	127.61	0.66	154.8	Aqr
21 Jun 2021	22h16m57.25s	-11 42' 11.7"	5.0417	4.4886	-2.6	117.7	10.3	12.70	128.47	0.79	192.6	Aqr
22 Jun 2021	22h16m56.99s	-11 42' 31.0"	5.0414	4.4748	-2.6	118.6	10.2	13.17	129.34	1.13	213.6	Aqr
23 Jun 2021	22h16m56.00s	-11 42' 54.5"	5.0411	4.4611	-2.6	119.6	10.1	13.64	130.22	1.55	224.1	Aqr
24 Jun 2021	22h16m54.28s	-11 43' 22.1"	5.0408	4.4475	-2.6	120.6	10.0	14.09	131.10	1.99	230.1	Aqr
25 Jun 2021	22h16m51.83s	-11 43' 53.8"	5.0405	4.4340	-2.6	121.5	9.9	14.55	131.99	2.45	233.8	Aqr
26 Jun 2021	22h16m48.64s	-11 44' 29.6"	5.0402	4.4207	-2.6	122.5	9.8	14.99	132.89	2.92	236.3	Aqr
27 Jun 2021	22h16m44.73s	-11 45' 09.4"	5.0399	4.4075	-2.6	123.5	9.7	15.43	133.80	3.39	238.2	Aqr
28 Jun 2021	22h16m40.08s	-11 45' 53.4"	5.0396	4.3945	-2.6	124.4	9.6	15.86	134.72	3.87	239.6	Aqr
29 Jun 2021	22h16m34.70s	-11 46' 41.4"	5.0393	4.3816	-2.6	125.4	9.5	16.29	135.65	4.34	240.7	Aqr
30 Jun 2021	22h16m28.59s	-11 47' 33.5"	5.0391	4.3689	-2.6	126.4	9.3	16.71	136.58	4.82	241.6	Aqr
1 Jul 2021	22h16m21.75s	-11 48' 29.6"	5.0388	4.3563	-2.6	127.4	9.2	17.12	137.53	5.29	242.3	Aqr
2 Jul 2021	22h16m14.18s	-11 49' 29.7"	5.0385	4.3439	-2.7	128.4	9.1	17.53	138.48	5.77	242.9	Aqr
3 Jul 2021	22h16m05.89s	-11 50' 33.9"	5.0382	4.3317	-2.7	129.4	9.0	17.92	139.44	6.24	243.4	Aqr
4 Jul 2021	22h15m56.88s	-11 51' 41.9"	5.0379	4.3196	-2.7	130.4	8.8	18.31	140.41	6.71	243.9	Aqr
5 Jul 2021	22h15m47.14s	-11 52' 54.0"	5.0376	4.3077	-2.7	131.4	8.7	18.69	141.40	7.18	244.3	Aqr
6 Jul 2021	22h15m36.70s	-11 54' 09.9"	5.0373	4.2960	-2.7	132.4	8.6	19.06	142.39	7.64	244.6	Aqr
7 Jul 2021	22h15m25.54s	-11 55' 29.7"	5.0371	4.2845	-2.7	133.4	8.4	19.43	143.38	8.11	244.9	Aqr
8 Jul 2021	22h15m13.68s	-11 56' 53.3"	5.0368	4.2731	-2.7	134.4	8.3	19.78	144.39	8.56	245.2	Aqr
9 Jul 2021	22h15m01.12s	-11 58' 20.7"	5.0365	4.2620	-2.7	135.4	8.2	20.13	145.41	9.02	245.4	Aqr
10 Jul 2021	22h14m47.87s	-11 59' 51.8"	5.0362	4.2510	-2.7	136.4	8.0	20.46	146.43	9.47	245.6	Aqr
11 Jul 2021	22h14m33.93s	-12 01' 26.6"	5.0359	4.2403	-2.7	137.4	7.9	20.79	147.47	9.91	245.8	Aqr
12 Jul 2021	22h14m19.32s	-12 03' 05.0"	5.0356	4.2297	-2.7	138.4	7.7	21.10	148.51	10.35	246.0	Aqr
13 Jul 2021	22h14m04.04s	-12 04' 46.9"	5.0354	4.2194	-2.7	139.4	7.5	21.41	149.56	10.78	246.2	Aqr
14 Jul 2021	22h13m48.10s	-12 06' 32.4"	5.0351	4.2093	-2.7	140.5	7.4	21.71	150.62	11.20	246.4	Aqr
15 Jul 2021	22h13m31.51s	-12 08' 21.2"	5.0348	4.1994	-2.7	141.5	7.2	21.99	151.69	11.62	246.5	Aqr
16 Jul 2021	22h13m14.28s	-12 10' 13.4"	5.0345	4.1897	-2.7	142.5	7.1	22.27	152.77	12.03	246.7	Aqr
17 Jul 2021	22h12m56.43s	-12 12' 08.9"	5.0342	4.1802	-2.7	143.6	6.9	22.53	153.85	12.44	246.8	Aqr
18 Jul 2021	22h12m37.95s	-12 14' 07.5"	5.0340	4.1710	-2.8	144.6	6.7	22.78	154.95	12.83	246.9	Aqr
19 Jul 2021	22h12m18.87s	-12 16' 09.3"	5.0337	4.1620	-2.8	145.6	6.5	23.02	156.05	13.22	247.0	Aqr
20 Jul 2021	22h11m59.20s	-12 18' 14.1"	5.0334	4.1533	-2.8	146.7	6.4	23.25	157.16	13.60	247.2	Aqr
21 Jul 2021	22h11m38.94s	-12 20' 21.8"	5.0331	4.1447	-2.8	147.7	6.2	23.46	158.27	13.97	247.3	Aqr
22 Jul 2021	22h11m18.11s	-12 22' 32.4"	5.0328	4.1365	-2.8	148.8	6.0	23.67	159.39	14.33	247.4	Aqr
23 Jul 2021	22h10m56.73s	-12 24' 45.7"	5.0326	4.1284	-2.8	149.8	5.8	23.86	160.52	14.69	247.5	Aqr
24 Jul 2021	22h10m34.79s	-12 27' 01.7"	5.0323	4.1206	-2.8	150.9	5.6	24.03	161.66	15.03	247.6	Aqr
25 Jul 2021	22h10m12.33s	-12 29' 20.4"	5.0320	4.1131	-2.8	151.9	5.5	24.20	162.80	15.37	247.7	Aqr
26 Jul 2021	22h09m49.33s	-12 31' 41.5"	5.0317	4.1058	-2.8	153.0	5.3	24.35	163.95	15.70	247.8	Aqr
27 Jul 2021	22h09m25.84s	-12 34' 05.1"	5.0314	4.0988	-2.8	154.0	5.1	24.49	165.10	16.02	247.8	Aqr
28 Jul 2021	22h09m01.84s	-12 36' 31.0"	5.0312	4.0920	-2.8	155.1	4.9	24.62	166.26	16.33	247.9	Aqr
29 Jul 2021	22h08m37.36s	-12 38' 59.2"	5.0309	4.0855	-2.8	156.1	4.7	24.73	167.42	16.63	248.0	Aqr
30 Jul 2021	22h08m12.42s	-12 41' 29.4"	5.0306	4.0792	-2.8	157.2	4.5	24.83	168.59	16.92	248.1	Aqr
31 Jul 2021	22h07m47.03s	-12 44' 01.7"	5.0303	4.0732	-2.8	158.3	4.3	24.91	169.76	17.20	248.2	Aqr
1 Aug 2021	22h07m21.20s	-12 46' 36.0"	5.0301	4.0675	-2.8	159.3	4.1	24.98	170.93	17.47	248.3	Aqr
2 Aug 2021	22h06m54.96s	-12 49' 12.0"	5.0298	4.0621	-2.8	160.4	3.9	25.04	172.11	17.72	248.3	Aqr
3 Aug 2021	22h06m28.32s	-12 51' 49.8"	5.0295	4.0569	-2.8	161.5	3.7	25.08	173.29	17.97	248.4	Aqr
4 Aug 2021	22h06m01.29s	-12 54' 29.2"	5.0292	4.0520	-2.8	162.6	3.5	25.11	174.47	18.20	248.5	Aqr
5 Aug 2021	22h05m33.91s	-12 57' 10.1"	5.0290	4.0474	-2.8	163.6	3.3	25.12	175.66	18.42	248.6	Aqr
6 Aug 2021	22h05m06.17s	-12 59' 52.3"	5.0287	4.0431	-2.8	164.7	3.0	25.12	176.84	18.62	248.6	Aqr
7 Aug 2021	22h04m38.12s	-13 02' 35.7"	5.0284	4.0391	-2.8	165.8	2.8	25.10	178.03	18.81	248.7	Aqr
8 Aug 2021	22h04m09.76s	-13 05' 20.3"	5.0281	4.0353	-2.9	166.9	2.6	25.08	179.22	18.99	248.8	Aqr
9 Aug 2021	22h03m41.12s	-13 08' 05.9"	5.0279	4.0319	-2.9	167.9	2.4	25.03	180.41	19.15	248.9	Aqr
10 Aug 2021	22h03m12.22s	-13 10' 52.4"	5.0276	4.0287	-2.9	169.0	2.2	24.97	181.60	19.30	248.9	Aqr

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Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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11 Aug 2021	22h02m43.08s	-13 13' 39.5"	5.0273	4.0258	-2.9	170.1	2.0	24.90	182.78	19.44	249.0	Aqr
12 Aug 2021	22h02m13.73s	-13 16' 27.3"	5.0271	4.0232	-2.9	171.2	1.8	24.81	183.97	19.56	249.1	Aqr
13 Aug 2021	22h01m44.18s	-13 19' 15.6"	5.0268	4.0209	-2.9	172.3	1.6	24.71	185.16	19.66	249.1	Aqr
14 Aug 2021	22h01m14.46s	-13 22' 04.2"	5.0265	4.0189	-2.9	173.3	1.3	24.60	186.34	19.75	249.2	Aqr
15 Aug 2021	22h00m44.59s	-13 24' 53.0"	5.0262	4.0172	-2.9	174.4	1.1	24.47	187.52	19.83	249.3	Aqr
16 Aug 2021	22h00m14.60s	-13 27' 41.9"	5.0260	4.0158	-2.9	175.5	0.9	24.32	188.69	19.89	249.3	Aqr
17 Aug 2021	21h59m44.50s	-13 30' 30.8"	5.0257	4.0147	-2.9	176.5	0.7	24.17	189.87	19.93	249.4	Aqr
18 Aug 2021	21h59m14.32s	-13 33' 19.5"	5.0254	4.0139	-2.9	177.5	0.5	24.00	191.04	19.96	249.5	Aqr
19 Aug 2021	21h58m44.08s	-13 36' 07.9"	5.0252	4.0134	-2.9	178.4	0.3	23.81	192.20	19.98	249.5	Cap
20 Aug 2021	21h58m13.80s	-13 38' 55.9"	5.0249	4.0132	-2.9	178.8	0.2	23.61	193.37	19.98	249.6	Cap
21 Aug 2021	21h57m43.50s	-13 41' 43.4"	5.0246	4.0133	-2.9	178.4	0.3	23.40	194.52	19.97	249.7	Cap
22 Aug 2021	21h57m13.21s	-13 44' 30.2"	5.0244	4.0137	-2.9	177.5	0.5	23.18	195.68	19.94	249.8	Cap
23 Aug 2021	21h56m42.94s	-13 47' 16.2"	5.0241	4.0143	-2.9	176.5	0.7	22.94	196.82	19.91	249.8	Cap
24 Aug 2021	21h56m12.72s	-13 50' 01.4"	5.0238	4.0153	-2.9	175.5	0.9	22.69	197.96	19.85	249.9	Cap
25 Aug 2021	21h55m42.56s	-13 52' 45.6"	5.0236	4.0166	-2.9	174.4	1.1	22.43	199.10	19.79	250.0	Cap
26 Aug 2021	21h55m12.50s	-13 55' 28.7"	5.0233	4.0181	-2.9	173.3	1.3	22.15	200.23	19.71	250.0	Cap
27 Aug 2021	21h54m42.55s	-13 58' 10.6"	5.0230	4.0200	-2.9	172.3	1.6	21.87	201.35	19.61	250.1	Cap
28 Aug 2021	21h54m12.73s	-14 00' 51.2"	5.0228	4.0221	-2.9	171.2	1.8	21.57	202.46	19.50	250.2	Cap
29 Aug 2021	21h53m43.06s	-14 03' 30.3"	5.0225	4.0246	-2.9	170.1	2.0	21.26	203.57	19.38	250.2	Cap
30 Aug 2021	21h53m13.58s	-14 06' 07.9"	5.0222	4.0273	-2.9	169.0	2.2	20.94	204.67	19.24	250.3	Cap
31 Aug 2021	21h52m44.29s	-14 08' 43.8"	5.0220	4.0304	-2.9	167.9	2.4	20.60	205.77	19.09	250.4	Cap
1 Sep 2021	21h52m15.22s	-14 11' 18.0"	5.0217	4.0337	-2.9	166.8	2.6	20.26	206.85	18.92	250.4	Cap
2 Sep 2021	21h51m46.40s	-14 13' 50.3"	5.0215	4.0373	-2.9	165.7	2.8	19.91	207.93	18.74	250.5	Cap
3 Sep 2021	21h51m17.85s	-14 16' 20.6"	5.0212	4.0412	-2.8	164.7	3.0	19.54	209.00	18.55	250.6	Cap
4 Sep 2021	21h50m49.58s	-14 18' 48.9"	5.0209	4.0454	-2.8	163.6	3.3	19.17	210.06	18.34	250.6	Cap
5 Sep 2021	21h50m21.73s	-14 21' 14.9"	5.0207	4.0499	-2.8	162.5	3.5	18.78	211.12	18.12	250.7	Cap
6 Sep 2021	21h49m54.00s	-14 23' 38.7"	5.0204	4.0547	-2.8	161.4	3.7	18.39	212.17	17.88	250.8	Cap
7 Sep 2021	21h49m26.73s	-14 26' 00.1"	5.0201	4.0597	-2.8	160.3	3.9	17.99	213.20	17.63	250.9	Cap
8 Sep 2021	21h48m59.84s	-14 28' 19.1"	5.0199	4.0650	-2.8	159.2	4.1	17.57	214.23	17.37	250.9	Cap
9 Sep 2021	21h48m33.73s	-14 30' 35.4"	5.0196	4.0707	-2.8	158.1	4.3	17.15	215.26	17.09	251.0	Cap
10 Sep 2021	21h48m07.26s	-14 32' 49.1"	5.0194	4.0765	-2.8	157.1	4.5	16.72	216.27	16.80	251.1	Cap
11 Sep 2021	21h47m41.62s	-14 35' 00.0"	5.0191	4.0827	-2.8	156.0	4.7	16.29	217.28	16.50	251.1	Cap
12 Sep 2021	21h47m16.43s	-14 37' 08.1"	5.0188	4.0891	-2.8	154.9	4.9	15.84	218.27	16.19	251.2	Cap
13 Sep 2021	21h46m51.71s	-14 39' 13.2"	5.0186	4.0958	-2.8	153.8	5.1	15.39	219.26	15.87	251.3	Cap
14 Sep 2021	21h46m27.49s	-14 41' 15.3"	5.0183	4.1028	-2.8	152.8	5.3	14.93	220.24	15.53	251.4	Cap
15 Sep 2021	21h46m03.77s	-14 43' 14.4"	5.0181	4.1100	-2.8	151.7	5.5	14.46	221.21	15.19	251.5	Cap
16 Sep 2021	21h45m40.58s	-14 45' 10.4"	5.0178	4.1175	-2.8	150.6	5.6	13.99	222.18	14.83	251.5	Cap
17 Sep 2021	21h45m17.93s	-14 47' 03.1"	5.0176	4.1252	-2.8	149.5	5.8	13.51	223.13	14.47	251.6	Cap
18 Sep 2021	21h44m55.83s	-14 48' 52.6"	5.0173	4.1332	-2.8	148.5	6.0	13.03	224.08	14.10	251.7	Cap
19 Sep 2021	21h44m34.29s	-14 50' 38.8"	5.0170	4.1414	-2.8	147.4	6.2	12.53	225.02	13.72	251.8	Cap
20 Sep 2021	21h44m13.34s	-14 52' 21.6"	5.0168	4.1499	-2.8	146.3	6.4	12.04	225.95	13.33	251.9	Cap
21 Sep 2021	21h43m52.99s	-14 54' 01.0"	5.0165	4.1586	-2.8	145.3	6.5	11.53	226.88	12.93	252.0	Cap
22 Sep 2021	21h43m33.24s	-14 55' 37.0"	5.0163	4.1676	-2.8	144.2	6.7	11.03	227.80	12.53	252.1	Cap
23 Sep 2021	21h43m14.10s	-14 57' 09.4"	5.0160	4.1767	-2.8	143.2	6.9	10.51	228.71	12.12	252.2	Cap
24 Sep 2021	21h42m55.61s	-14 58' 38.3"	5.0158	4.1862	-2.8	142.1	7.1	10.00	229.61	11.70	252.3	Cap
25 Sep 2021	21h42m37.75s	-15 00' 03.6"	5.0155	4.1958	-2.7	141.0	7.2	9.48	230.50	11.27	252.4	Cap
26 Sep 2021	21h42m20.55s	-15 01' 25.3"	5.0153	4.2057	-2.7	140.0	7.4	8.95	231.39	10.84	252.6	Cap
27 Sep 2021	21h42m04.02s	-15 02' 43.3"	5.0150	4.2158	-2.7	138.9	7.5	8.42	232.27	10.40	252.7	Cap
28 Sep 2021	21h41m48.16s	-15 03' 57.6"	5.0148	4.2261	-2.7	137.9	7.7	7.89	233.14	9.95	252.8	Cap
29 Sep 2021	21h41m32.99s	-15 05' 08.2"	5.0145	4.2366	-2.7	136.8	7.9	7.35	234.01	9.50	253.0	Cap
30 Sep 2021	21h41m18.53s	-15 06' 14.9"	5.0143	4.2473	-2.7	135.8	8.0	6.81	234.87	9.04	253.1	Cap
1 Okt 2021	21h41m04.77s	-15 07' 17.9"	5.0140	4.2582	-2.7	134.8	8.2	6.26	235.73	8.58	253.3	Cap
2 Okt 2021	21h40m51.72s	-15 08' 17.1"	5.0138	4.2694	-2.7	133.7	8.3	5.72	236.57	8.11	253.5	Cap
3 Okt 2021	21h40m39.41s	-15 09' 12.4"	5.0135	4.2807	-2.7	132.7	8.4	5.17	237.41	7.63	253.7	Cap
4 Okt 2021	21h40m27.83s	-15 10' 03.7"	5.0133	4.2922	-2.7	131.7	8.6	4.62	238.25	7.15	254.0	Cap
5 Okt 2021	21h40m16.99s	-15 10' 51.2"	5.0130	4.3039	-2.7	130.6	8.7	4.06	239.08	6.66	254.2	Cap
6 Okt 2021	21h40m06.91s	-15 11' 34.7"	5.0128	4.3158	-2.7	129.6	8.8	3.51	239.90	6.18	254.5	Cap
7 Okt 2021	21h39m57.58s	-15 12' 14.3"	5.0125	4.3279	-2.7	128.6	9.0	2.95	240.72	5.68	254.9	Cap
8 Okt 2021	21h39m49.02s	-15 12' 49.8"	5.0123	4.3402	-2.7	127.6	9.1	2.39	241.53	5.19	255.3	Cap
9 Okt 2021	21h39m41.23s	-15 13' 21.4"	5.0120	4.3526	-2.7	126.5	9.2	1.83	242.34	4.69	255.8	Cap
10 Okt 2021	21h39m34.22s	-15 13' 48.9"	5.0118	4.3652	-2.7	125.5	9.3	1.27	243.14	4.18	256.5	Cap
11 Okt 2021	21h39m27.98s	-15 14' 12.4"	5.0115	4.3780	-2.6	124.5	9.4	0.70	243.94	3.68	257.3	Cap
12 Okt 2021	21h39m22.53s	-15 14' 31.9"	5.0113	4.3909	-2.6	123.5	9.6	0.14	244.73	3.18	258.4	Cap
13 Okt 2021	21h39m17.86s	-15 14' 47.3"	5.0110	4.4039	-2.6	122.5	9.7	-0.43	245.52	2.68	259.8	Cap
14 Okt 2021	21h39m13.98s	-15 14' 58.7"	5.0108	4.4171	-2.6	121.5	9.8	-0.99	246.30	2.18	261.9	Cap
15 Okt 2021	21h39m10.88s	-15 15' 06.1"	5.0105	4.4305	-2.6	120.5	9.9	-1.56	247.08	1.68	265.3	Cap
16 Okt 2021	21h39m08.58s	-15 15' 09.5"	5.0103	4.4440	-2.6	119.5	10.0	-2.13	247.86	1.19	271.4	Cap
17 Okt 2021	21h39m07.06s	-15 15' 08.8"	5.0100	4.4576	-2.6	118.5	10.1	-2.70	248.63	0.74	285.5	Cap
18 Okt 2021	21h39m06.33s	-15 15' 04.1"	5.0098	4.4714	-2.6	117.5	10.2	-3.26	249.40	0.43	327.5	Cap
19 Okt 2021	21h39m06.38s	-15 14' 55.4"	5.0096	4.4852	-2.6	116.5	10.3	-3.83	250.16	0.59	25.1	Cap
20 Okt 2021	21h39m07.22s	-15 14' 42.8"	5.0093	4.4992	-2.6	115.5	10.3	-4.40	250.92	1.01	46.3	Cap
21 Okt 2021	21h39m08.85s	-15 14' 26.1"	5.0091	4.5134	-2.6	114.5	10.4	-4.97	251.68	1.48	54.5	Cap
22 Okt 2021	21h39m11.27s	-15 14' 05.5"	5.0088	4.5276	-2.6	113.5	10.5	-5.54	252.44	1.97	58.6	Cap
23 Okt 2021	21h39m14.46s	-15 13' 40.9"	5.0086	4.5419	-2.6	112.6	10.6	-6.10	253.19	2.47	61.1	Cap

EPHEMERIDE 2021 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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24 Okt 2021	21h39m18.45s	-15 13' 12.3"	5.0083	4.5563	-2.6	111.6	10.6	-6.67	253.94	2.97	62.8	Cap
25 Okt 2021	21h39m23.21s	-15 12' 39.9"	5.0081	4.5709	-2.5	110.6	10.7	-7.24	254.68	3.47	64.0	Cap
26 Okt 2021	21h39m28.75s	-15 12' 03.4"	5.0079	4.5855	-2.5	109.6	10.8	-7.80	255.43	3.97	64.9	Cap
27 Okt 2021	21h39m35.07s	-15 11' 23.1"	5.0076	4.6002	-2.5	108.7	10.8	-8.37	256.17	4.47	65.6	Cap
28 Okt 2021	21h39m42.17s	-15 10' 38.8"	5.0074	4.6150	-2.5	107.7	10.9	-8.93	256.91	4.96	66.1	Cap
29 Okt 2021	21h39m50.04s	-15 09' 50.7"	5.0071	4.6299	-2.5	106.7	11.0	-9.49	257.65	5.46	66.6	Cap
30 Okt 2021	21h39m58.68s	-15 08' 58.6"	5.0069	4.6449	-2.5	105.8	11.0	-10.05	258.38	5.96	67.0	Cap
31 Okt 2021	21h40m08.09s	-15 08' 02.7"	5.0067	4.6599	-2.5	104.8	11.1	-10.61	259.12	6.45	67.3	Cap
1 Nov 2021	21h40m18.27s	-15 07' 02.9"	5.0064	4.6751	-2.5	103.9	11.1	-11.17	259.85	6.94	67.5	Cap
2 Nov 2021	21h40m29.21s	-15 05' 59.2"	5.0062	4.6902	-2.5	102.9	11.1	-11.73	260.58	7.43	67.8	Cap
3 Nov 2021	21h40m40.92s	-15 04' 51.7"	5.0060	4.7055	-2.5	102.0	11.2	-12.29	261.31	7.92	68.0	Cap
4 Nov 2021	21h40m53.38s	-15 03' 40.4"	5.0057	4.7208	-2.5	101.0	11.2	-12.84	262.04	8.41	68.1	Cap
5 Nov 2021	21h41m06.59s	-15 02' 25.2"	5.0055	4.7361	-2.5	100.1	11.2	-13.39	262.77	8.90	68.3	Cap
6 Nov 2021	21h41m20.04s	-15 01' 06.3"	5.0052	4.7515	-2.5	99.1	11.3	-13.94	263.50	9.38	68.6	Cap
7 Nov 2021	21h41m35.26s	-14 59' 43.5"	5.0050	4.7669	-2.5	98.2	11.3	-14.49	264.22	9.86	68.6	Cap
8 Nov 2021	21h41m50.70s	-14 58' 17.0"	5.0048	4.7824	-2.4	97.2	11.3	-15.04	264.95	10.33	68.7	Cap
9 Nov 2021	21h42m06.88s	-14 56' 46.8"	5.0045	4.7979	-2.4	96.3	11.3	-15.58	265.68	10.80	68.8	Cap
10 Nov 2021	21h42m29.78s	-14 55' 12.8"	5.0043	4.8134	-2.4	95.4	11.4	-16.13	266.41	11.27	68.8	Cap
11 Nov 2021	21h42m41.40s	-14 53' 35.2"	5.0041	4.8290	-2.4	94.4	11.4	-16.67	267.13	11.73	68.9	Cap
12 Nov 2021	21h42m59.73s	-14 51' 53.9"	5.0038	4.8446	-2.4	93.5	11.4	-17.21	267.86	12.19	69.0	Cap
13 Nov 2021	21h43m18.76s	-14 50' 08.9"	5.0036	4.8601	-2.4	92.6	11.4	-17.74	268.59	12.64	69.0	Cap
14 Nov 2021	21h43m38.49s	-14 48' 20.4"	5.0034	4.8757	-2.4	91.7	11.4	-18.27	269.32	13.09	69.1	Cap
15 Nov 2021	21h43m58.91s	-14 46' 28.2"	5.0031	4.8913	-2.4	90.8	11.4	-18.81	270.05	13.54	69.1	Cap
16 Nov 2021	21h44m20.01s	-14 44' 32.5"	5.0029	4.9069	-2.4	89.8	11.4	-19.33	270.78	13.98	69.2	Cap
17 Nov 2021	21h44m41.79s	-14 42' 33.3"	5.0027	4.9226	-2.4	88.9	11.4	-19.86	271.51	14.42	69.2	Cap
18 Nov 2021	21h44m50.42s	-14 40' 30.6"	5.0024	4.9382	-2.4	88.0	11.4	-20.38	272.24	14.85	69.3	Cap
19 Nov 2021	21h45m27.34s	-14 38' 24.4"	5.0022	4.9537	-2.4	87.1	11.4	-20.90	272.97	15.28	69.3	Cap
20 Nov 2021	21h45m51.10s	-14 36' 14.7"	5.0020	4.9693	-2.4	86.2	11.4	-21.42	273.71	15.70	69.3	Cap
21 Nov 2021	21h46m15.50s	-14 34' 01.6"	5.0018	4.9849	-2.4	85.3	11.4	-21.94	274.44	16.12	69.4	Cap
22 Nov 2021	21h46m40.55s	-14 31' 45.2"	5.0015	5.0004	-2.4	84.4	11.3	-22.45	275.18	16.54	69.4	Cap
23 Nov 2021	21h47m06.23s	-14 29' 25.3"	5.0013	5.0160	-2.3	83.5	11.3	-22.96	275.92	16.95	69.4	Cap
24 Nov 2021	21h47m32.53s	-14 27' 02.1"	5.0011	5.0315	-2.3	82.6	11.3	-23.46	276.67	17.36	69.4	Cap
25 Nov 2021	21h47m59.46s	-14 24' 35.5"	5.0008	5.0469	-2.3	81.7	11.3	-23.97	277.41	17.76	69.4	Cap
26 Nov 2021	21h48m27.00s	-14 22' 05.7"	5.0006	5.0624	-2.3	80.8	11.2	-24.47	278.16	18.16	69.4	Cap
27 Nov 2021	21h48m55.15s	-14 19' 32.5"	5.0004	5.0778	-2.3	79.9	11.2	-24.96	278.91	18.55	69.5	Cap
28 Nov 2021	21h49m23.89s	-14 16' 56.1"	5.0002	5.0931	-2.3	79.0	11.2	-25.46	279.66	18.95	69.5	Cap
29 Nov 2021	21h49m53.23s	-14 14' 16.5"	4.9999	5.1085	-2.3	78.1	11.1	-25.95	280.42	19.33	69.5	Cap
30 Nov 2021	21h50m23.16s	-14 11' 33.6"	4.9997	5.1237	-2.3	77.3	11.1	-26.43	281.17	19.72	69.5	Cap
1 Dez 2021	21h50m53.66s	-14 08' 47.5"	4.9995	5.1389	-2.3	76.4	11.1	-26.91	281.94	20.10	69.5	Cap
2 Dez 2021	21h51m24.74s	-14 05' 58.2"	4.9993	5.1541	-2.3	75.5	11.0	-27.39	282.70	20.47	69.5	Cap
3 Dez 2021	21h51m56.39s	-14 03' 05.8"	4.9990	5.1692	-2.3	74.6	11.0	-27.87	283.47	20.84	69.5	Cap
4 Dez 2021	21h52m28.59s	-14 00' 10.2"	4.9988	5.1843	-2.3	73.7	10.9	-28.34	284.24	21.21	69.5	Cap
5 Dez 2021	21h53m01.35s	-13 57' 11.5"	4.9986	5.1992	-2.3	72.9	10.9	-28.81	285.02	21.57	69.5	Cap
6 Dez 2021	21h53m34.65s	-13 54' 09.8"	4.9984	5.2142	-2.3	72.0	10.8	-29.27	285.80	21.93	69.5	Cap
7 Dez 2021	21h54m08.48s	-13 51' 04.9"	4.9982	5.2290	-2.3	71.1	10.8	-29.73	286.58	22.28	69.5	Cap
8 Dez 2021	21h54m42.84s	-13 47' 57.1"	4.9979	5.2437	-2.3	70.3	10.7	-30.18	287.37	22.63	69.5	Cap
9 Dez 2021	21h55m17.71s	-13 44' 46.3"	4.9977	5.2584	-2.2	69.4	10.6	-30.64	288.16	22.97	69.4	Cap
10 Dez 2021	21h55m53.09s	-13 41' 32.5"	4.9975	5.2730	-2.2	68.5	10.6	-31.08	288.95	23.31	69.4	Cap
11 Dez 2021	21h56m28.97s	-13 38' 15.7"	4.9973	5.2875	-2.2	67.7	10.5	-31.52	289.75	23.64	69.4	Cap
12 Dez 2021	21h57m05.34s	-13 34' 56.1"	4.9971	5.3019	-2.2	66.8	10.4	-31.96	290.56	23.96	69.4	Cap
13 Dez 2021	21h57m42.19s	-13 31' 33.7"	4.9968	5.3163	-2.2	66.0	10.4	-32.40	291.37	24.28	69.4	Cap
14 Dez 2021	21h58m19.52s	-13 28' 08.4"	4.9966	5.3305	-2.2	65.1	10.3	-32.83	292.19	24.60	69.4	Cap
15 Dez 2021	21h58m57.31s	-13 24' 40.2"	4.9964	5.3446	-2.2	64.3	10.2	-33.25	293.01	24.91	69.4	Aqr
16 Dez 2021	21h59m35.56s	-13 21' 09.4"	4.9962	5.3587	-2.2	63.4	10.1	-33.67	293.83	25.21	69.4	Aqr
17 Dez 2021	22h00m14.26s	-13 17' 35.8"	4.9960	5.3726	-2.2	62.6	10.1	-34.08	294.66	25.51	69.3	Aqr
18 Dez 2021	22h00m53.41s	-13 13' 59.4"	4.9957	5.3864	-2.2	61.7	10.0	-34.49	295.50	25.81	69.3	Aqr
19 Dez 2021	22h01m32.99s	-13 10' 20.4"	4.9955	5.4001	-2.2	60.9	9.9	-34.90	296.34	26.10	69.3	Aqr
20 Dez 2021	22h02m12.99s	-13 06' 38.7"	4.9953	5.4137	-2.2	60.0	9.8	-35.30	297.19	26.39	69.3	Aqr
21 Dez 2021	22h02m53.42s	-13 02' 54.4"	4.9951	5.4272	-2.2	59.2	9.7	-35.69	298.04	26.67	69.3	Aqr
22 Dez 2021	22h03m34.26s	-12 59' 07.5"	4.9949	5.4406	-2.2	58.3	9.7	-36.08	298.90	26.95	69.3	Aqr
23 Dez 2021	22h04m15.51s	-12 55' 18.1"	4.9947	5.4538	-2.2	57.5	9.6	-36.47	299.76	27.23	69.2	Aqr
24 Dez 2021	22h04m57.16s	-12 51' 26.0"	4.9945	5.4670	-2.2	56.7	9.5	-36.85	300.63	27.50	69.2	Aqr
25 Dez 2021	22h05m39.21s	-12 47' 31.5"	4.9942	5.4800	-2.2	55.8	9.4	-37.22	301.51	27.77	69.2	Aqr
26 Dez 2021	22h06m21.64s	-12 43' 34.4"	4.9940	5.4929	-2.2	55.0	9.3	-37.59	302.40	28.03	69.2	Aqr
27 Dez 2021	22h07m04.45s	-12 39' 34.9"	4.9938	5.5056	-2.2	54.2	9.2	-37.95	303.28	28.29	69.2	Aqr
28 Dez 2021	22h07m47.64s	-12 35' 32.9"	4.9936	5.5182	-2.2	53.3	9.1	-38.30	304.18	28.54	69.1	Aqr
29 Dez 2021	22h08m31.19s	-12 31' 28.5"	4.9934	5.5307	-2.1	52.5	9.0	-38.65	305.08	28.80	69.1	Aqr
30 Dez 2021	22h09m15.11s	-12 27' 21.7"	4.9932	5.5431	-2.1	51.7	8.9	-39.00	305.99	29.04	69.1	Aqr
31 Dez 2021	22h09m59.38s	-12 23' 12.5"	4.9930	5.5553	-2.1	50.8	8.8	-39.34	306.91	29.29	69.1	Aqr
1 Jan 2022	22h10m44.00s	-12 19' 01.0"	4.9928	5.5674	-2.1	50.0	8.7	-39.67	307.83	29.52	69.0	Aqr