



Die Bahn des Planeten Jupiter 2023

EPHEMERIDE 2023 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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1 Jan 2023	00h05m15.57s	-00 49' 58.8"	4.9511	5.0104	-2.4	80.9	11.3	-14.32	287.78	18.24	64.8	Psc
2 Jan 2023	00h05m42.04s	-00 46' 50.7"	4.9511	5.0261	-2.4	80.0	11.3	-14.79	288.54	18.64	64.9	Psc
3 Jan 2023	00h06m09.08s	-00 43' 38.9"	4.9511	5.0417	-2.4	79.1	11.2	-15.26	289.31	19.04	64.9	Psc
4 Jan 2023	00h06m36.71s	-00 40' 23.5"	4.9511	5.0573	-2.4	78.2	11.2	-15.72	290.08	19.43	65.0	Psc
5 Jan 2023	00h07m04.90s	-00 37' 04.6"	4.9511	5.0728	-2.3	77.3	11.2	-16.17	290.85	19.81	65.0	Psc
6 Jan 2023	00h07m33.65s	-00 33' 42.2"	4.9511	5.0883	-2.3	76.4	11.1	-16.62	291.62	20.19	65.1	Psc
7 Jan 2023	00h08m02.96s	-00 30' 16.4"	4.9511	5.1038	-2.3	75.6	11.1	-17.07	292.39	20.56	65.1	Psc
8 Jan 2023	00h08m32.81s	-00 26' 47.2"	4.9511	5.1191	-2.3	74.7	11.0	-17.51	293.17	20.93	65.2	Psc
9 Jan 2023	00h09m03.20s	-00 23' 14.6"	4.9510	5.1344	-2.3	73.8	11.0	-17.95	293.95	21.30	65.2	Psc
10 Jan 2023	00h09m34.12s	-00 19' 38.7"	4.9510	5.1497	-2.3	72.9	10.9	-18.38	294.73	21.66	65.3	Psc
11 Jan 2023	00h10m05.57s	-00 15' 59.6"	4.9510	5.1649	-2.3	72.1	10.9	-18.81	295.52	22.01	65.3	Psc
12 Jan 2023	00h10m37.55s	-00 12' 17.3"	4.9510	5.1800	-2.3	71.2	10.8	-19.23	296.30	22.36	65.3	Psc
13 Jan 2023	00h11m10.03s	-00 08' 31.8"	4.9510	5.1950	-2.3	70.3	10.8	-19.65	297.09	22.71	65.4	Psc
14 Jan 2023	00h11m43.02s	-00 04' 43.2"	4.9510	5.2099	-2.3	69.4	10.7	-20.06	297.88	23.05	65.4	Psc
15 Jan 2023	00h12m16.51s	-00 00' 51.5"	4.9510	5.2248	-2.3	68.6	10.7	-20.46	298.68	23.39	65.4	Psc
16 Jan 2023	00h12m50.50s	+00 03' 03.1"	4.9510	5.2396	-2.3	67.7	10.6	-20.86	299.48	23.72	65.5	Psc
17 Jan 2023	00h13m24.97s	+00 07' 00.8"	4.9510	5.2543	-2.3	66.9	10.5	-21.26	300.28	24.05	65.5	Psc
18 Jan 2023	00h13m59.93s	+00 11' 01.4"	4.9510	5.2689	-2.3	66.0	10.5	-21.64	301.08	24.38	65.6	Psc
19 Jan 2023	00h14m35.36s	+00 15' 04.9"	4.9510	5.2834	-2.3	65.1	10.4	-22.03	301.88	24.70	65.6	Psc
20 Jan 2023	00h15m11.26s	+00 19' 11.3"	4.9510	5.2978	-2.3	64.3	10.3	-22.40	302.69	25.01	65.6	Psc
21 Jan 2023	00h15m47.63s	+00 23' 20.5"	4.9510	5.3122	-2.2	63.4	10.2	-22.78	303.51	25.32	65.7	Psc
22 Jan 2023	00h16m24.45s	+00 27' 32.4"	4.9510	5.3264	-2.2	62.6	10.2	-23.14	304.32	25.63	65.7	Psc
23 Jan 2023	00h17m01.72s	+00 31' 47.0"	4.9510	5.3405	-2.2	61.7	10.1	-23.50	305.14	25.93	65.7	Psc
24 Jan 2023	00h17m39.43s	+00 36' 04.3"	4.9510	5.3545	-2.2	60.9	10.0	-23.86	305.96	26.23	65.7	Psc
25 Jan 2023	00h18m17.57s	+00 40' 24.2"	4.9510	5.3684	-2.2	60.1	9.9	-24.20	306.79	26.52	65.8	Psc
26 Jan 2023	00h18m56.14s	+00 44' 46.6"	4.9510	5.3821	-2.2	59.2	9.8	-24.54	307.61	26.80	65.8	Psc
27 Jan 2023	00h19m35.12s	+00 49' 11.5"	4.9510	5.3958	-2.2	58.4	9.8	-24.88	308.45	27.08	65.8	Psc
28 Jan 2023	00h20m14.51s	+00 53' 38.8"	4.9510	5.4093	-2.2	57.5	9.7	-25.21	309.28	27.35	65.9	Psc
29 Jan 2023	00h20m54.31s	+00 58' 08.5"	4.9510	5.4227	-2.2	56.7	9.6	-25.53	310.12	27.62	65.9	Psc
30 Jan 2023	00h21m34.50s	+01 02' 40.5"	4.9510	5.4360	-2.2	55.9	9.5	-25.85	310.96	27.88	65.9	Psc
31 Jan 2023	00h22m15.08s	+01 07' 14.7"	4.9510	5.4492	-2.2	55.0	9.4	-26.16	311.80	28.14	65.9	Psc
1 Feb 2023	00h22m56.04s	+01 11' 51.2"	4.9510	5.4622	-2.2	54.2	9.3	-26.46	312.65	28.40	66.0	Psc
2 Feb 2023	00h23m37.38s	+01 16' 29.8"	4.9511	5.4751	-2.2	53.4	9.2	-26.76	313.50	28.64	66.0	Psc
3 Feb 2023	00h24m19.09s	+01 21' 10.5"	4.9511	5.4878	-2.2	52.6	9.1	-27.05	314.36	28.89	66.0	Psc
4 Feb 2023	00h25m01.15s	+01 25' 53.3"	4.9511	5.5005	-2.2	51.7	9.0	-27.33	315.21	29.13	66.1	Psc
5 Feb 2023	00h25m43.57s	+01 30' 38.2"	4.9511	5.5129	-2.2	50.9	8.9	-27.61	316.07	29.36	66.1	Psc
6 Feb 2023	00h26m26.35s	+01 35' 25.0"	4.9511	5.5253	-2.2	50.1	8.8	-27.88	316.94	29.59	66.1	Cet
7 Feb 2023	00h27m09.46s	+01 40' 13.7"	4.9511	5.5375	-2.2	49.3	8.7	-28.15	317.81	29.82	66.1	Cet
8 Feb 2023	00h27m52.92s	+01 45' 04.3"	4.9511	5.5496	-2.2	48.5	8.6	-28.40	318.68	30.04	66.2	Cet
9 Feb 2023	00h28m36.70s	+01 49' 56.7"	4.9511	5.5615	-2.2	47.7	8.5	-28.65	319.55	30.26	66.2	Cet
10 Feb 2023	00h29m20.82s	+01 54' 51.0"	4.9511	5.5732	-2.2	46.9	8.4	-28.90	320.42	30.48	66.2	Cet
11 Feb 2023	00h30m05.25s	+01 59' 47.0"	4.9511	5.5849	-2.2	46.0	8.2	-29.13	321.30	30.69	66.2	Cet
12 Feb 2023	00h30m50.00s	+02 04' 44.7"	4.9512	5.5963	-2.1	45.2	8.1	-29.36	322.19	30.90	66.3	Cet
13 Feb 2023	00h31m35.07s	+02 09' 44.1"	4.9512	5.6076	-2.1	44.4	8.0	-29.58	323.07	31.10	66.3	Cet
14 Feb 2023	00h32m20.43s	+02 14' 45.2"	4.9512	5.6188	-2.1	43.6	7.9	-29.80	323.96	31.30	66.3	Cet
15 Feb 2023	00h33m06.10s	+02 19' 47.8"	4.9512	5.6298	-2.1	42.8	7.8	-30.00	324.85	31.50	66.3	Cet
16 Feb 2023	00h33m52.06s	+02 24' 52.0"	4.9512	5.6407	-2.1	42.0	7.7	-30.20	325.74	31.69	66.4	Cet
17 Feb 2023	00h34m38.32s	+02 29' 57.7"	4.9512	5.6513	-2.1	41.2	7.6	-30.39	326.64	31.88	66.4	Cet
18 Feb 2023	00h35m24.85s	+02 35' 04.9"	4.9512	5.6619	-2.1	40.4	7.4	-30.58	327.53	32.06	66.4	Cet
19 Feb 2023	00h36m11.67s	+02 40' 13.6"	4.9513	5.6722	-2.1	39.6	7.3	-30.76	328.43	32.24	66.4	Cet
20 Feb 2023	00h36m58.76s	+02 45' 23.6"	4.9513	5.6824	-2.1	38.8	7.2	-30.93	329.34	32.41	66.5	Psc
21 Feb 2023	00h37m46.11s	+02 50' 34.9"	4.9513	5.6924	-2.1	38.0	7.1	-31.09	330.24	32.59	66.5	Psc
22 Feb 2023	00h38m33.72s	+02 55' 47.5"	4.9513	5.7023	-2.1	37.3	6.9	-31.24	331.15	32.75	66.5	Psc
23 Feb 2023	00h39m21.59s	+03 01' 01.3"	4.9513	5.7119	-2.1	36.5	6.8	-31.39	332.06	32.91	66.5	Psc
24 Feb 2023	00h40m09.70s	+03 06' 16.4"	4.9514	5.7214	-2.1	35.7	6.7	-31.53	332.97	33.07	66.6	Psc
25 Feb 2023	00h40m58.05s	+03 11' 32.5"	4.9514	5.7308	-2.1	34.9	6.6	-31.66	333.88	33.22	66.6	Psc
26 Feb 2023	00h41m46.63s	+03 16' 49.8"	4.9514	5.7399	-2.1	34.1	6.4	-31.79	334.79	33.37	66.6	Psc
27 Feb 2023	00h42m35.45s	+03 22' 08.0"	4.9514	5.7489	-2.1	33.3	6.3	-31.90	335.71	33.51	66.7	Psc
28 Feb 2023	00h43m24.48s	+03 27' 27.3"	4.9514	5.7577	-2.1	32.5	6.2	-32.01	336.62	33.65	66.7	Psc
1 Mar 2023	00h44m13.73s	+03 32' 47.5"	4.9515	5.7663	-2.1	31.8	6.0	-32.11	337.54	33.79	66.7	Psc
2 Mar 2023	00h45m03.19s	+03 38' 08.6"	4.9515	5.7747	-2.1	31.0	5.9	-32.21	338.46	33.92	66.7	Psc
3 Mar 2023	00h45m52.86s	+03 43' 30.5"	4.9515	5.7829	-2.1	30.2	5.8	-32.29	339.38	34.05	66.8	Psc
4 Mar 2023	00h46m42.73s	+03 48' 53.3"	4.9515	5.7910	-2.1	29.4	5.6	-32.37	340.30	34.17	66.8	Psc
5 Mar 2023	00h47m32.80s	+03 54' 16.8"	4.9516	5.7989	-2.1	28.6	5.5	-32.44	341.22	34.29	66.8	Psc
6 Mar 2023	00h48m23.06s	+03 59' 41.1"	4.9516	5.8066	-2.1	27.9	5.4	-32.50	342.14	34.41	66.9	Psc
7 Mar 2023	00h49m13.50s	+04 05' 06.1"	4.9516	5.8141	-2.1	27.1	5.2	-32.56	343.06	34.52	66.9	Psc
8 Mar 2023	00h50m04.13s	+04 10' 31.7"	4.9516	5.8214	-2.1	26.3	5.1	-32.60	343.98	34.63	66.9	Psc
9 Mar 2023	00h50m54.93s	+04 15' 58.0"	4.9517	5.8286	-2.1	25.6	5.0	-32.64	344.90	34.74	66.9	Psc
10 Mar 2023	00h51m45.91s	+04 21' 24.9"	4.9517	5.8355	-2.1	24.8	4.8	-32.67	345.82	34.84	67.0	Psc
11 Mar 2023	00h52m37.05s	+04 26' 52.3"	4.9517	5.8423	-2.1	24.0	4.7	-32.70	346.74	34.94	67.0	Psc
12 Mar 2023	00h53m28.37s	+04 32' 20.3"	4.9518	5.8489	-2.1	23.3	4.5	-32.71	347.66	35.04	67.0	Psc
13 Mar 2023	00h54m19.84s	+04 37' 48.7"	4.9518	5.8552	-2.1	22.5	4.4	-32.72	348.58	35.14	67.1	Psc
14 Mar 2023	00h55m11.47s	+04 43' 17.6"	4.9518	5.8614	-2.1	21.7	4.3	-32.72	349.50	35.23	67.1	Psc
15 Mar 2023	00h56m03.25s	+04 48' 46.9"	4.9518	5.8674	-2.1	21.0	4.1	-32.71	350.42	35.32	67.1	Psc

EPHEMERIDE 2023 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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16 Mar 2023	00h56m55.17s	+04 54' 16.6"	4.9519	5.8732	-2.1	20.2	4.0	-32.69	351.34	35.40	67.2	Psc
17 Mar 2023	00h57m47.25s	+04 59' 46.7"	4.9519	5.8789	-2.1	19.4	3.8	-32.67	352.25	35.48	67.2	Psc
18 Mar 2023	00h58m39.46s	+05 05' 17.1"	4.9519	5.8843	-2.1	18.7	3.7	-32.64	353.17	35.56	67.2	Psc
19 Mar 2023	00h59m31.80s	+05 10' 47.7"	4.9520	5.8895	-2.1	17.9	3.5	-32.60	354.08	35.64	67.2	Psc
20 Mar 2023	01h00m24.28s	+05 16' 18.6"	4.9520	5.8945	-2.1	17.2	3.4	-32.55	354.99	35.71	67.3	Psc
21 Mar 2023	01h01m16.88s	+05 21' 49.6"	4.9520	5.8993	-2.1	16.4	3.3	-32.50	355.90	35.78	67.3	Psc
22 Mar 2023	01h02m09.59s	+05 27' 20.9"	4.9521	5.9040	-2.1	15.7	3.1	-32.44	356.81	35.84	67.3	Psc
23 Mar 2023	01h03m02.42s	+05 32' 52.2"	4.9521	5.9084	-2.1	14.9	3.0	-32.37	357.71	35.90	67.4	Psc
24 Mar 2023	01h03m55.36s	+05 38' 23.6"	4.9521	5.9126	-2.1	14.2	2.8	-32.29	358.61	35.96	67.4	Psc
25 Mar 2023	01h04m48.40s	+05 43' 55.0"	4.9522	5.9167	-2.1	13.4	2.7	-32.21	359.51	36.01	67.4	Psc
26 Mar 2023	01h05m41.54s	+05 49' 26.4"	4.9522	5.9205	-2.1	12.7	2.5	-32.12	0.41	36.06	67.5	Psc
27 Mar 2023	01h06m34.77s	+05 54' 57.7"	4.9523	5.9241	-2.1	11.9	2.4	-32.02	1.31	36.10	67.5	Psc
28 Mar 2023	01h07m28.08s	+06 00' 28.9"	4.9523	5.9275	-2.1	11.2	2.2	-31.91	2.20	36.14	67.5	Psc
29 Mar 2023	01h08m21.48s	+06 06' 00.0"	4.9523	5.9308	-2.0	10.4	2.1	-31.80	3.09	36.18	67.6	Psc
30 Mar 2023	01h09m14.96s	+06 11' 30.9"	4.9524	5.9338	-2.0	9.7	1.9	-31.68	3.98	36.21	67.6	Psc
31 Mar 2023	01h10m08.51s	+06 17' 01.6"	4.9524	5.9366	-2.0	8.9	1.8	-31.55	4.86	36.25	67.7	Psc
1 Apr 2023	01h11m02.13s	+06 22' 32.0"	4.9525	5.9392	-2.0	8.2	1.6	-31.41	5.74	36.27	67.7	Psc
2 Apr 2023	01h11m54.81s	+06 28' 02.2"	4.9525	5.9417	-2.0	7.4	1.5	-31.27	6.62	36.30	67.7	Psc
3 Apr 2023	01h12m49.56s	+06 33' 32.0"	4.9525	5.9439	-2.0	6.7	1.4	-31.12	7.49	36.32	67.8	Psc
4 Apr 2023	01h13m43.36s	+06 39' 01.6"	4.9526	5.9459	-2.0	6.0	1.2	-30.97	8.36	36.34	67.8	Psc
5 Apr 2023	01h14m37.21s	+06 44' 30.7"	4.9526	5.9477	-2.0	5.2	1.1	-30.80	9.23	36.36	67.8	Psc
6 Apr 2023	01h15m31.12s	+06 49' 59.4"	4.9527	5.9494	-2.0	4.5	0.9	-30.63	10.09	36.37	67.9	Psc
7 Apr 2023	01h16m25.07s	+06 55' 27.8"	4.9527	5.9508	-2.0	3.8	0.8	-30.46	10.95	36.38	67.9	Psc
8 Apr 2023	01h17m19.06s	+07 00' 55.6"	4.9528	5.9520	-2.0	3.1	0.6	-30.28	11.80	36.39	68.0	Psc
9 Apr 2023	01h18m13.10s	+07 06' 23.0"	4.9528	5.9530	-2.0	2.4	0.5	-30.09	12.66	36.40	68.0	Psc
10 Apr 2023	01h19m07.16s	+07 11' 49.9"	4.9529	5.9539	-2.0	1.8	0.4	-29.89	13.50	36.40	68.0	Psc
11 Apr 2023	01h20m01.26s	+07 17' 16.2"	4.9529	5.9545	-2.1	1.3	0.3	-29.69	14.35	36.41	68.1	Psc
12 Apr 2023	01h20m55.39s	+07 22' 42.0"	4.9529	5.9549	-2.1	1.1	0.2	-29.48	15.19	36.40	68.1	Psc
13 Apr 2023	01h21m49.54s	+07 28' 07.2"	4.9530	5.9551	-2.0	1.3	0.3	-29.27	16.02	36.40	68.1	Psc
14 Apr 2023	01h22m43.71s	+07 33' 31.7"	4.9530	5.9551	-2.0	1.9	0.4	-29.04	16.85	36.39	68.2	Psc
15 Apr 2023	01h23m37.89s	+07 38' 55.6"	4.9531	5.9550	-2.0	2.5	0.5	-28.82	17.68	36.38	68.2	Psc
16 Apr 2023	01h24m32.09s	+07 44' 18.8"	4.9531	5.9546	-2.0	3.2	0.6	-28.58	18.50	36.37	68.3	Psc
17 Apr 2023	01h25m26.29s	+07 49' 41.3"	4.9532	5.9540	-2.0	3.9	0.8	-28.34	19.32	36.35	68.3	Psc
18 Apr 2023	01h26m20.50s	+07 55' 03.0"	4.9532	5.9532	-2.0	4.6	0.9	-28.10	20.13	36.33	68.4	Psc
19 Apr 2023	01h27m14.70s	+08 00' 24.0"	4.9533	5.9522	-2.0	5.3	1.1	-27.85	20.94	36.31	68.4	Psc
20 Apr 2023	01h28m08.89s	+08 05' 44.1"	4.9533	5.9510	-2.0	6.1	1.2	-27.59	21.74	36.28	68.4	Psc
21 Apr 2023	01h29m03.06s	+08 11' 03.3"	4.9534	5.9497	-2.0	6.8	1.4	-27.33	22.54	36.25	68.5	Psc
22 Apr 2023	01h29m57.22s	+08 16' 21.6"	4.9534	5.9481	-2.0	7.5	1.5	-27.06	23.34	36.21	68.5	Psc
23 Apr 2023	01h30m51.36s	+08 21' 39.0"	4.9535	5.9463	-2.0	8.2	1.7	-26.79	24.13	36.18	68.6	Psc
24 Apr 2023	01h31m45.46s	+08 26' 55.4"	4.9536	5.9443	-2.0	9.0	1.8	-26.51	24.92	36.14	68.6	Psc
25 Apr 2023	01h32m39.54s	+08 32' 10.8"	4.9536	5.9421	-2.0	9.7	2.0	-26.22	25.70	36.09	68.7	Psc
26 Apr 2023	01h33m33.57s	+08 37' 25.2"	4.9537	5.9397	-2.0	10.4	2.1	-25.93	26.48	36.04	68.7	Psc
27 Apr 2023	01h34m27.56s	+08 42' 38.5"	4.9537	5.9372	-2.0	11.2	2.3	-25.64	27.25	35.99	68.7	Psc
28 Apr 2023	01h35m21.51s	+08 47' 50.7"	4.9538	5.9344	-2.0	11.9	2.4	-25.34	28.02	35.94	68.8	Psc
29 Apr 2023	01h36m15.40s	+08 53' 01.8"	4.9538	5.9314	-2.0	12.6	2.5	-25.03	28.79	35.88	68.8	Psc
30 Apr 2023	01h37m09.24s	+08 58' 11.7"	4.9539	5.9283	-2.0	13.4	2.7	-24.72	29.55	35.82	68.9	Psc
1 Mai 2023	01h38m03.02s	+09 03' 20.5"	4.9539	5.9249	-2.0	14.1	2.8	-24.41	30.30	35.76	68.9	Psc
2 Mai 2023	01h38m56.74s	+09 08' 28.0"	4.9540	5.9214	-2.0	14.8	3.0	-24.08	31.05	35.70	69.0	Psc
3 Mai 2023	01h39m50.39s	+09 13' 34.4"	4.9541	5.9176	-2.0	15.6	3.1	-23.76	31.80	35.63	69.0	Psc
4 Mai 2023	01h40m43.97s	+09 18' 39.4"	4.9541	5.9137	-2.0	16.3	3.3	-23.43	32.55	35.56	69.1	Psc
5 Mai 2023	01h41m37.47s	+09 23' 43.3"	4.9542	5.9096	-2.1	17.0	3.4	-23.09	33.28	35.49	69.1	Psc
6 Mai 2023	01h42m30.89s	+09 28' 45.8"	4.9542	5.9053	-2.1	17.7	3.6	-22.76	34.02	35.41	69.2	Psc
7 Mai 2023	01h43m24.24s	+09 33' 47.0"	4.9543	5.9008	-2.1	18.5	3.7	-22.41	34.75	35.34	69.2	Psc
8 Mai 2023	01h44m17.49s	+09 38' 46.9"	4.9544	5.8961	-2.1	19.2	3.8	-22.06	35.48	35.26	69.2	Psc
9 Mai 2023	01h45m10.66s	+09 43' 45.4"	4.9544	5.8912	-2.1	19.9	4.0	-21.71	36.20	35.17	69.3	Psc
10 Mai 2023	01h46m03.74s	+09 48' 42.6"	4.9545	5.8862	-2.1	20.7	4.1	-21.35	36.92	35.09	69.3	Psc
11 Mai 2023	01h46m56.71s	+09 53' 38.4"	4.9546	5.8809	-2.1	21.4	4.3	-20.99	37.63	35.00	69.4	Psc
12 Mai 2023	01h47m49.58s	+09 58' 32.7"	4.9546	5.8755	-2.1	22.1	4.4	-20.63	38.34	34.91	69.4	Psc
13 Mai 2023	01h48m42.35s	+10 03' 25.6"	4.9547	5.8699	-2.1	22.9	4.5	-20.26	39.05	34.82	69.5	Psc
14 Mai 2023	01h49m35.00s	+10 08' 17.0"	4.9548	5.8641	-2.1	23.6	4.7	-19.88	39.75	34.72	69.5	Psc
15 Mai 2023	01h50m27.54s	+10 13' 06.9"	4.9548	5.8581	-2.1	24.3	4.8	-19.51	40.45	34.62	69.6	Psc
16 Mai 2023	01h51m19.96s	+10 17' 55.2"	4.9549	5.8519	-2.1	25.1	5.0	-19.12	41.14	34.51	69.6	Psc
17 Mai 2023	01h52m12.24s	+10 22' 42.0"	4.9550	5.8456	-2.1	25.8	5.1	-18.74	41.83	34.41	69.7	Psc
18 Mai 2023	01h53m04.40s	+10 27' 27.2"	4.9550	5.8390	-2.1	26.6	5.2	-18.35	42.52	34.30	69.7	Psc
19 Mai 2023	01h53m56.41s	+10 32' 10.7"	4.9551	5.8323	-2.1	27.3	5.4	-17.95	43.20	34.18	69.8	Ari
20 Mai 2023	01h54m48.28s	+10 36' 52.6"	4.9552	5.8254	-2.1	28.0	5.5	-17.56	43.88	34.06	69.8	Ari
21 Mai 2023	01h55m40.00s	+10 41' 32.8"	4.9552	5.8184	-2.1	28.8	5.6	-17.16	44.56	33.94	69.9	Ari
22 Mai 2023	01h56m31.56s	+10 46' 11.3"	4.9553	5.8111	-2.1	29.5	5.8	-16.75	45.23	33.81	69.9	Ari
23 Mai 2023	01h57m22.96s	+10 50' 48.1"	4.9554	5.8037	-2.1	30.2	5.9	-16.34	45.91	33.68	70.0	Ari
24 Mai 2023	01h58m14.20s	+10 55' 23.0"	4.9554	5.7961	-2.1	31.0	6.0	-15.93	46.57	33.55	70.0	Ari
25 Mai 2023	01h59m05.26s	+10 59' 56.2"	4.9555	5.7884	-2.1	31.7	6.2	-15.52	47.24	33.42	70.1	Ari
26 Mai 2023	01h59m56.15s	+11 04' 27.6"	4.9556	5.7804	-2.1	32.5	6.3	-15.10	47.90	33.28	70.1	Ari
27 Mai 2023	02h00m46.86s	+11 08' 57.1"	4.9557	5.7723	-2.1	33.2	6.4	-14.68	48.55	33.14	70.2	Ari
28 Mai 2023	02h01m37.38s	+11 13' 24.7"	4.9557	5.7640	-2.1	33.9	6.6	-14.25	49.21	32.99	70.2	Ari

EPHEMERIDE 2023 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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29 Mai 2023	02h02m27.71s	+11 17'	50.5"	4.9558	5.7556	-2.1	34.7	6.7	-13.82	49.86	32.84	70.3 Ari
30 Mai 2023	02h03m17.84s	+11 22'	14.4"	4.9559	5.7470	-2.1	35.4	6.8	-13.39	50.51	32.69	70.3 Ari
31 Mai 2023	02h04m07.78s	+11 26'	36.3"	4.9560	5.7382	-2.1	36.2	6.9	-12.96	51.16	32.54	70.4 Ari
1 Jun 2023	02h04m57.51s	+11 30'	56.3"	4.9560	5.7293	-2.1	36.9	7.1	-12.52	51.80	32.38	70.5 Ari
2 Jun 2023	02h05m47.02s	+11 35'	14.4"	4.9561	5.7202	-2.1	37.6	7.2	-12.08	52.44	32.22	70.5 Ari
3 Jun 2023	02h06m36.33s	+11 39'	30.5"	4.9562	5.7110	-2.1	38.4	7.3	-11.63	53.08	32.06	70.6 Ari
4 Jun 2023	02h07m25.41s	+11 43'	44.6"	4.9563	5.7016	-2.1	39.1	7.4	-11.19	53.72	31.89	70.6 Ari
5 Jun 2023	02h08m14.27s	+11 47'	56.7"	4.9563	5.6920	-2.1	39.9	7.5	-10.74	54.35	31.73	70.7 Ari
6 Jun 2023	02h09m02.91s	+11 52'	06.7"	4.9564	5.6823	-2.1	40.6	7.7	-10.28	54.98	31.56	70.7 Ari
7 Jun 2023	02h09m51.31s	+11 56'	14.8"	4.9565	5.6724	-2.1	41.4	7.8	-9.83	55.61	31.38	70.8 Ari
8 Jun 2023	02h10m39.47s	+12 00'	20.7"	4.9566	5.6624	-2.1	42.1	7.9	-9.37	56.24	31.21	70.8 Ari
9 Jun 2023	02h11m27.39s	+12 04'	24.6"	4.9567	5.6523	-2.1	42.9	8.0	-8.91	56.87	31.02	70.9 Ari
10 Jun 2023	02h12m15.06s	+12 08'	26.4"	4.9567	5.6419	-2.1	43.6	8.1	-8.44	57.49	30.84	70.9 Ari
11 Jun 2023	02h13m02.47s	+12 12'	26.1"	4.9568	5.6315	-2.1	44.4	8.2	-7.97	58.11	30.65	71.0 Ari
12 Jun 2023	02h13m49.62s	+12 16'	23.6"	4.9569	5.6209	-2.1	45.1	8.3	-7.50	58.73	30.46	71.0 Ari
13 Jun 2023	02h14m36.50s	+12 20'	18.9"	4.9570	5.6101	-2.1	45.9	8.5	-7.03	59.35	30.26	71.1 Ari
14 Jun 2023	02h15m23.11s	+12 24'	12.1"	4.9571	5.5992	-2.1	46.6	8.6	-6.56	59.97	30.06	71.1 Ari
15 Jun 2023	02h16m09.43s	+12 28'	03.0"	4.9572	5.5881	-2.1	47.4	8.7	-6.08	60.58	29.86	71.2 Ari
16 Jun 2023	02h16m55.47s	+12 31'	51.6"	4.9572	5.5769	-2.1	48.1	8.8	-5.60	61.20	29.65	71.3 Ari
17 Jun 2023	02h17m41.21s	+12 35'	38.0"	4.9573	5.5656	-2.2	48.9	8.9	-5.12	61.81	29.44	71.3 Ari
18 Jun 2023	02h18m26.65s	+12 39'	22.0"	4.9574	5.5542	-2.2	49.7	9.0	-4.63	62.42	29.22	71.4 Ari
19 Jun 2023	02h19m11.78s	+12 43'	03.7"	4.9575	5.5426	-2.2	50.4	9.1	-4.14	63.03	29.00	71.4 Ari
20 Jun 2023	02h19m56.59s	+12 46'	43.1"	4.9576	5.5308	-2.2	51.2	9.2	-3.65	63.64	28.77	71.5 Ari
21 Jun 2023	02h20m41.08s	+12 50'	20.1"	4.9577	5.5190	-2.2	52.0	9.3	-3.16	64.25	28.55	71.5 Ari
22 Jun 2023	02h21m25.24s	+12 53'	54.7"	4.9578	5.5070	-2.2	52.7	9.4	-2.67	64.86	28.31	71.6 Ari
23 Jun 2023	02h22m09.07s	+12 57'	26.9"	4.9578	5.4949	-2.2	53.5	9.5	-2.17	65.47	28.08	71.6 Ari
24 Jun 2023	02h22m52.56s	+13 00'	56.6"	4.9579	5.4826	-2.2	54.3	9.6	-1.67	66.07	27.84	71.7 Ari
25 Jun 2023	02h23m35.70s	+13 04'	23.9"	4.9580	5.4703	-2.2	55.0	9.7	-1.17	66.68	27.59	71.7 Ari
26 Jun 2023	02h24m18.48s	+13 07'	48.8"	4.9581	5.4578	-2.2	55.8	9.8	-0.66	67.28	27.35	71.8 Ari
27 Jun 2023	02h25m00.91s	+13 11'	11.2"	4.9582	5.4452	-2.2	56.6	9.9	-0.16	67.89	27.10	71.9 Ari
28 Jun 2023	02h25m42.97s	+13 14'	31.0"	4.9583	5.4325	-2.2	57.3	9.9	0.35	68.49	26.84	71.9 Ari
29 Jun 2023	02h26m24.66s	+13 17'	48.4"	4.9584	5.4197	-2.2	58.1	10.0	0.86	69.10	26.58	72.0 Ari
30 Jun 2023	02h27m05.97s	+13 21'	03.2"	4.9585	5.4067	-2.2	58.9	10.1	1.38	69.70	26.32	72.0 Ari
1 Jul 2023	02h27m46.90s	+13 24'	15.5"	4.9586	5.3937	-2.2	59.7	10.2	1.89	70.31	26.06	72.1 Ari
2 Jul 2023	02h28m27.44s	+13 27'	25.3"	4.9587	5.3805	-2.2	60.5	10.3	2.41	70.91	25.79	72.1 Ari
3 Jul 2023	02h29m07.59s	+13 30'	32.4"	4.9588	5.3673	-2.2	61.2	10.4	2.93	71.52	25.52	72.2 Ari
4 Jul 2023	02h29m47.33s	+13 33'	37.1"	4.9589	5.3539	-2.2	62.0	10.4	3.45	72.13	25.24	72.2 Ari
5 Jul 2023	02h30m26.67s	+13 36'	39.1"	4.9590	5.3405	-2.2	62.8	10.5	3.97	72.73	24.96	72.3 Ari
6 Jul 2023	02h31m05.60s	+13 39'	38.5"	4.9590	5.3269	-2.2	63.6	10.6	4.50	73.34	24.68	72.4 Ari
7 Jul 2023	02h31m44.10s	+13 42'	35.3"	4.9591	5.3133	-2.2	64.4	10.7	5.02	73.95	24.40	72.4 Ari
8 Jul 2023	02h32m22.18s	+13 45'	29.4"	4.9592	5.2996	-2.2	65.2	10.7	5.55	74.55	24.10	72.5 Ari
9 Jul 2023	02h32m59.82s	+13 48'	20.9"	4.9593	5.2857	-2.3	66.0	10.8	6.08	75.16	23.81	72.5 Ari
10 Jul 2023	02h33m37.01s	+13 51'	09.7"	4.9594	5.2718	-2.3	66.8	10.9	6.61	75.78	23.51	72.6 Ari
11 Jul 2023	02h34m13.76s	+13 53'	55.7"	4.9595	5.2578	-2.3	67.6	10.9	7.15	76.39	23.20	72.6 Ari
12 Jul 2023	02h34m50.05s	+13 56'	39.1"	4.9596	5.2437	-2.3	68.4	11.0	7.68	77.00	22.89	72.7 Ari
13 Jul 2023	02h35m25.86s	+13 59'	19.6"	4.9597	5.2296	-2.3	69.2	11.0	8.22	77.62	22.58	72.7 Ari
14 Jul 2023	02h36m01.21s	+14 01'	57.4"	4.9598	5.2153	-2.3	70.0	11.1	8.76	78.23	22.26	72.8 Ari
15 Jul 2023	02h36m36.07s	+14 04'	32.4"	4.9599	5.2010	-2.3	70.8	11.2	9.30	78.85	21.93	72.9 Ari
16 Jul 2023	02h37m10.43s	+14 07'	04.5"	4.9600	5.1866	-2.3	71.6	11.2	9.85	79.47	21.60	72.9 Ari
17 Jul 2023	02h37m44.30s	+14 09'	33.8"	4.9601	5.1721	-2.3	72.4	11.3	10.39	80.09	21.27	73.0 Ari
18 Jul 2023	02h38m17.66s	+14 12'	00.2"	4.9602	5.1576	-2.3	73.2	11.3	10.94	80.72	20.93	73.0 Ari
19 Jul 2023	02h38m50.51s	+14 14'	23.7"	4.9603	5.1430	-2.3	74.0	11.4	11.48	81.34	20.58	73.1 Ari
20 Jul 2023	02h39m22.83s	+14 16'	44.4"	4.9604	5.1283	-2.3	74.8	11.4	12.03	81.97	20.24	73.2 Ari
21 Jul 2023	02h39m54.62s	+14 19'	02.1"	4.9606	5.1136	-2.3	75.7	11.4	12.58	82.60	19.89	73.2 Ari
22 Jul 2023	02h40m25.88s	+14 21'	16.9"	4.9607	5.0988	-2.3	76.5	11.5	13.14	83.24	19.53	73.3 Ari
23 Jul 2023	02h40m56.59s	+14 23'	28.7"	4.9608	5.0840	-2.3	77.3	11.5	13.69	83.87	19.17	73.3 Ari
24 Jul 2023	02h41m26.75s	+14 25'	37.6"	4.9609	5.0691	-2.3	78.1	11.6	14.24	84.52	18.80	73.4 Ari
25 Jul 2023	02h41m56.35s	+14 27'	43.4"	4.9610	5.0542	-2.3	79.0	11.6	14.80	85.16	18.44	73.5 Ari
26 Jul 2023	02h42m25.38s	+14 29'	46.3"	4.9611	5.0392	-2.4	79.8	11.6	15.36	85.81	18.06	73.5 Ari
27 Jul 2023	02h42m53.85s	+14 31'	46.2"	4.9612	5.0242	-2.4	80.6	11.7	15.92	86.46	17.69	73.6 Ari
28 Jul 2023	02h43m21.73s	+14 33'	43.1"	4.9613	5.0092	-2.4	81.5	11.7	16.48	87.11	17.31	73.6 Ari
29 Jul 2023	02h43m49.03s	+14 35'	37.0"	4.9614	4.9941	-2.4	82.3	11.7	17.04	87.77	16.92	73.7 Ari
30 Jul 2023	02h44m15.74s	+14 37'	27.9"	4.9615	4.9790	-2.4	83.2	11.7	17.60	88.43	16.54	73.8 Ari
31 Jul 2023	02h44m41.85s	+14 39'	15.7"	4.9616	4.9639	-2.4	84.0	11.7	18.16	89.10	16.15	73.8 Ari
1 Aug 2023	02h45m07.35s	+14 41'	00.4"	4.9617	4.9488	-2.4	84.8	11.8	18.73	89.77	15.75	73.9 Ari
2 Aug 2023	02h45m32.24s	+14 42'	42.1"	4.9618	4.9336	-2.4	85.7	11.8	19.29	90.44	15.35	74.0 Ari
3 Aug 2023	02h45m56.52s	+14 44'	20.7"	4.9620	4.9184	-2.4	86.6	11.8	19.86	91.12	14.95	74.0 Ari
4 Aug 2023	02h46m20.17s	+14 45'	56.2"	4.9621	4.9032	-2.4	87.4	11.8	20.43	91.81	14.54	74.1 Ari
5 Aug 2023	02h46m43.19s	+14 47'	28.6"	4.9622	4.8880	-2.4	88.3	11.8	20.99	92.50	14.13	74.2 Ari
6 Aug 2023	02h47m05.56s	+14 48'	57.9"	4.9623	4.8728	-2.4	89.1	11.8	21.56	93.20	13.71	74.3 Ari
7 Aug 2023	02h47m27.29s	+14 50'	24.0"	4.9624	4.8576	-2.4	90.0	11.8	22.13	93.90	13.29	74.3 Ari
8 Aug 2023	02h47m48.36s	+14 51'	47.0"	4.9625	4.8423	-2.4	90.9	11.8	22.70	94.61	12.87	74.4 Ari
9 Aug 2023	02h48m08.76s	+14 53'	06.7"	4.9626	4.8271	-2.4	91.7	11.8	23.27	95.32	12.43	74.5 Ari
10 Aug 2023	02h48m28.49s	+14 54'	23.2"	4.9628	4.8119	-2.5	92.6	11.8	23.84	96.04	12.00	74.6 Ari

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Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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11 Aug 2023	02h48m47.54s	+14 55'	36.5"	4.9629	4.7967	-2.5	93.5	11.8	24.41	96.77	11.56	74.7 Ari
12 Aug 2023	02h49m05.90s	+14 56'	46.5"	4.9630	4.7815	-2.5	94.4	11.7	24.98	97.50	11.11	74.8 Ari
13 Aug 2023	02h49m23.57s	+14 57'	53.3"	4.9631	4.7663	-2.5	95.3	11.7	25.56	98.25	10.66	74.9 Ari
14 Aug 2023	02h49m40.53s	+14 58'	56.8"	4.9632	4.7512	-2.5	96.2	11.7	26.13	98.99	10.21	75.0 Ari
15 Aug 2023	02h49m56.78s	+14 59'	57.0"	4.9633	4.7360	-2.5	97.1	11.7	26.70	99.75	9.76	75.1 Ari
16 Aug 2023	02h50m12.32s	+15 00'	53.8"	4.9635	4.7209	-2.5	98.0	11.7	27.27	100.52	9.29	75.3 Ari
17 Aug 2023	02h50m27.13s	+15 01'	47.4"	4.9636	4.7059	-2.5	98.9	11.6	27.84	101.29	8.83	75.4 Ari
18 Aug 2023	02h50m41.21s	+15 02'	37.6"	4.9637	4.6908	-2.5	99.8	11.6	28.41	102.07	8.36	75.6 Ari
19 Aug 2023	02h50m54.56s	+15 03'	24.4"	4.9638	4.6758	-2.5	100.7	11.6	28.98	102.86	7.89	75.7 Ari
20 Aug 2023	02h51m07.18s	+15 04'	07.9"	4.9639	4.6609	-2.5	101.6	11.5	29.55	103.66	7.42	75.9 Ari
21 Aug 2023	02h51m19.04s	+15 04'	48.1"	4.9641	4.6460	-2.5	102.5	11.5	30.12	104.47	6.94	76.1 Ari
22 Aug 2023	02h51m30.16s	+15 05'	24.9"	4.9642	4.6312	-2.5	103.4	11.4	30.69	105.29	6.46	76.4 Ari
23 Aug 2023	02h51m40.52s	+15 05'	58.3"	4.9643	4.6164	-2.5	104.3	11.4	31.25	106.12	5.98	76.7 Ari
24 Aug 2023	02h51m50.13s	+15 06'	28.3"	4.9644	4.6017	-2.5	105.2	11.3	31.82	106.96	5.50	77.0 Ari
25 Aug 2023	02h51m58.98s	+15 06'	55.0"	4.9645	4.5871	-2.6	106.2	11.3	32.38	107.81	5.02	77.3 Ari
26 Aug 2023	02h52m07.06s	+15 07'	18.3"	4.9647	4.5725	-2.6	107.1	11.2	32.94	108.67	4.53	77.8 Ari
27 Aug 2023	02h52m14.37s	+15 07'	38.2"	4.9648	4.5580	-2.6	108.0	11.2	33.51	109.55	4.04	78.4 Ari
28 Aug 2023	02h52m07.92s	+15 07'	54.8"	4.9649	4.5436	-2.6	109.0	11.1	34.06	110.43	3.55	79.1 Ari
29 Aug 2023	02h52m26.69s	+15 08'	07.9"	4.9650	4.5293	-2.6	109.9	11.0	34.62	111.33	3.06	80.0 Ari
30 Aug 2023	02h52m31.68s	+15 08'	17.7"	4.9652	4.5150	-2.6	110.9	11.0	35.18	112.25	2.57	81.3 Ari
31 Aug 2023	02h52m35.90s	+15 08'	24.1"	4.9653	4.5009	-2.6	111.8	10.9	35.73	113.17	2.08	83.1 Ari
1 Sep 2023	02h52m39.33s	+15 08'	27.1"	4.9654	4.4868	-2.6	112.8	10.8	36.28	114.11	1.59	86.2 Ari
2 Sep 2023	02h52m41.97s	+15 08'	26.7"	4.9656	4.4729	-2.6	113.7	10.7	36.82	115.06	1.11	91.9 Ari
3 Sep 2023	02h52m43.83s	+15 08'	22.9"	4.9657	4.4590	-2.6	114.7	10.6	37.37	116.03	0.65	105.9 Ari
4 Sep 2023	02h52m44.90s	+15 08'	15.7"	4.9658	4.4453	-2.6	115.6	10.6	37.91	117.01	0.35	155.6 Ari
5 Sep 2023	02h52m45.17s	+15 08'	05.0"	4.9659	4.4316	-2.6	116.6	10.5	38.44	118.01	0.58	216.0 Ari
6 Sep 2023	02h52m44.64s	+15 07'	50.9"	4.9661	4.4181	-2.6	117.6	10.4	38.97	119.02	1.03	233.5 Ari
7 Sep 2023	02h52m43.32s	+15 07'	33.4"	4.9662	4.4047	-2.6	118.6	10.3	39.50	120.05	1.51	240.1 Ari
8 Sep 2023	02h52m41.19s	+15 07'	12.5"	4.9663	4.3915	-2.7	119.5	10.2	40.02	121.10	2.01	243.4 Ari
9 Sep 2023	02h52m38.26s	+15 06'	48.1"	4.9665	4.3783	-2.7	120.5	10.1	40.54	122.16	2.51	245.5 Ari
10 Sep 2023	02h52m34.53s	+15 06'	20.2"	4.9666	4.3653	-2.7	121.5	10.0	41.06	123.24	3.02	246.8 Ari
11 Sep 2023	02h52m30.00s	+15 05'	49.0"	4.9667	4.3525	-2.7	122.5	9.8	41.56	124.34	3.52	247.8 Ari
12 Sep 2023	02h52m24.67s	+15 05'	14.3"	4.9669	4.3398	-2.7	123.5	9.7	42.06	125.46	4.03	248.5 Ari
13 Sep 2023	02h52m18.54s	+15 04'	36.3"	4.9670	4.3272	-2.7	124.5	9.6	42.56	126.60	4.53	249.1 Ari
14 Sep 2023	02h52m11.61s	+15 03'	54.8"	4.9671	4.3148	-2.7	125.5	9.5	43.05	127.76	5.04	249.5 Ari
15 Sep 2023	02h52m03.89s	+15 03'	09.9"	4.9673	4.3025	-2.7	126.5	9.4	43.53	128.93	5.54	249.9 Ari
16 Sep 2023	02h51m55.37s	+15 02'	21.7"	4.9674	4.2905	-2.7	127.5	9.2	44.00	130.13	6.04	250.2 Ari
17 Sep 2023	02h51m46.07s	+15 01'	30.2"	4.9675	4.2785	-2.7	128.5	9.1	44.47	131.35	6.53	250.5 Ari
18 Sep 2023	02h51m35.99s	+15 00'	35.3"	4.9677	4.2668	-2.7	129.6	9.0	44.93	132.59	7.03	250.7 Ari
19 Sep 2023	02h51m25.14s	+14 59'	37.1"	4.9678	4.2552	-2.7	130.6	8.8	45.38	133.85	7.52	250.9 Ari
20 Sep 2023	02h51m13.51s	+14 58'	35.7"	4.9679	4.2439	-2.7	131.6	8.7	45.82	135.13	8.00	251.1 Ari
21 Sep 2023	02h51m01.12s	+14 57'	31.0"	4.9681	4.2327	-2.7	132.6	8.6	46.25	136.43	8.48	251.2 Ari
22 Sep 2023	02h50m47.97s	+14 56'	23.1"	4.9682	4.2217	-2.7	133.7	8.4	46.67	137.76	8.96	251.3 Ari
23 Sep 2023	02h50m34.07s	+14 55'	12.1"	4.9684	4.2109	-2.8	134.7	8.3	47.07	139.10	9.43	251.5 Ari
24 Sep 2023	02h50m19.44s	+14 53'	57.9"	4.9685	4.2003	-2.8	135.7	8.1	47.47	140.47	9.90	251.6 Ari
25 Sep 2023	02h50m04.07s	+14 52'	40.6"	4.9686	4.1899	-2.8	136.8	7.9	47.86	141.87	10.36	251.7 Ari
26 Sep 2023	02h49m47.99s	+14 51'	20.3"	4.9688	4.1797	-2.8	137.8	7.8	48.23	143.28	10.81	251.7 Ari
27 Sep 2023	02h49m31.18s	+14 49'	56.9"	4.9689	4.1697	-2.8	138.9	7.6	48.59	144.72	11.26	251.8 Ari
28 Sep 2023	02h49m13.68s	+14 48'	30.6"	4.9691	4.1600	-2.8	139.9	7.5	48.94	146.18	11.71	251.9 Ari
29 Sep 2023	02h48m55.48s	+14 47'	01.2"	4.9692	4.1504	-2.8	141.0	7.3	49.28	147.66	12.14	251.9 Ari
30 Sep 2023	02h48m36.60s	+14 45'	29.0"	4.9693	4.1411	-2.8	142.1	7.1	49.60	149.16	12.57	252.0 Ari
1 Okt 2023	02h48m17.05s	+14 43'	53.9"	4.9695	4.1320	-2.8	143.1	6.9	49.90	150.69	13.00	252.0 Ari
2 Okt 2023	02h47m56.83s	+14 42'	16.0"	4.9696	4.1232	-2.8	144.2	6.8	50.19	152.24	13.42	252.1 Ari
3 Okt 2023	02h47m35.96s	+14 40'	35.3"	4.9698	4.1145	-2.8	145.3	6.6	50.46	153.81	13.83	252.1 Ari
4 Okt 2023	02h47m14.46s	+14 38'	51.8"	4.9699	4.1062	-2.8	146.3	6.4	50.72	155.39	14.23	252.2 Ari
5 Okt 2023	02h46m52.32s	+14 37'	05.6"	4.9701	4.0980	-2.8	147.4	6.2	50.96	157.00	14.63	252.2 Ari
6 Okt 2023	02h46m29.57s	+14 35'	16.8"	4.9702	4.0901	-2.8	148.5	6.0	51.18	158.63	15.01	252.2 Ari
7 Okt 2023	02h46m06.22s	+14 33'	25.4"	4.9704	4.0825	-2.8	149.6	5.8	51.39	160.27	15.39	252.3 Ari
8 Okt 2023	02h45m42.29s	+14 31'	31.5"	4.9705	4.0751	-2.8	150.7	5.7	51.57	161.93	15.76	252.3 Ari
9 Okt 2023	02h45m17.78s	+14 29'	35.1"	4.9707	4.0680	-2.8	151.7	5.5	51.74	163.61	16.11	252.3 Ari
10 Okt 2023	02h44m52.73s	+14 27'	36.3"	4.9708	4.0611	-2.8	152.8	5.3	51.89	165.30	16.46	252.3 Ari
11 Okt 2023	02h44m27.13s	+14 25'	35.2"	4.9710	4.0545	-2.9	153.9	5.1	52.02	167.00	16.80	252.3 Ari
12 Okt 2023	02h44m01.03s	+14 23'	31.8"	4.9711	4.0482	-2.9	155.0	4.9	52.12	168.72	17.12	252.4 Ari
13 Okt 2023	02h43m34.42s	+14 21'	26.3"	4.9713	4.0421	-2.9	156.1	4.7	52.21	170.44	17.43	252.4 Ari
14 Okt 2023	02h43m07.33s	+14 19'	18.7"	4.9714	4.0364	-2.9	157.2	4.5	52.28	172.18	17.73	252.4 Ari
15 Okt 2023	02h42m39.78s	+14 17'	09.1"	4.9716	4.0309	-2.9	158.3	4.2	52.33	173.92	18.02	252.4 Ari
16 Okt 2023	02h42m11.80s	+14 14'	57.6"	4.9717	4.0256	-2.9	159.4	4.0	52.35	175.67	18.29	252.4 Ari
17 Okt 2023	02h41m43.40s	+14 12'	44.3"	4.9719	4.0207	-2.9	160.6	3.8	52.36	177.42	18.55	252.4 Ari
18 Okt 2023	02h41m14.60s	+14 10'	29.3"	4.9720	4.0161	-2.9	161.7	3.6	52.34	179.18	18.80	252.4 Ari
19 Okt 2023	02h40m45.43s	+14 08'	12.7"	4.9722	4.0117	-2.9	162.8	3.4	52.30	180.93	19.03	252.4 Ari
20 Okt 2023	02h40m15.91s	+14 05'	54.6"	4.9723	4.0077	-2.9	163.9	3.2	52.24	182.69	19.24	252.5 Ari
21 Okt 2023	02h39m46.06s	+14 03'	35.1"	4.9725	4.0039	-2.9	165.0	3.0	52.16	184.44	19.45	252.5 Ari
22 Okt 2023	02h39m15.91s	+14 01'	14.2"	4.9726	4.0005	-2.9	166.1	2.8	52.06	186.19	19.63	252.5 Ari
23 Okt 2023	02h38m45.48s	+13 58'	52.2"	4.9728	3.9973	-2.9	167.2	2.5	51.93	187.93	19.80	252.5 Ari

EPHEMERIDE 2023 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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24 Okt 2023	02h38m14.79s	+13 56' 29.1"	4.9729	3.9944	-2.9	168.4	2.3	51.79	189.66	19.96	252.5	Ari
25 Okt 2023	02h37m43.87s	+13 54' 04.9"	4.9731	3.9919	-2.9	169.5	2.1	51.62	191.39	20.10	252.5	Ari
26 Okt 2023	02h37m12.73s	+13 51' 39.9"	4.9732	3.9896	-2.9	170.6	1.9	51.44	193.10	20.23	252.5	Ari
27 Okt 2023	02h36m41.41s	+13 49' 14.2"	4.9734	3.9877	-2.9	171.7	1.7	51.23	194.81	20.34	252.5	Ari
28 Okt 2023	02h36m09.93s	+13 46' 47.7"	4.9736	3.9860	-2.9	172.8	1.4	51.01	196.50	20.44	252.5	Ari
29 Okt 2023	02h35m38.30s	+13 44' 20.6"	4.9737	3.9847	-2.9	173.9	1.2	50.76	198.18	20.53	252.5	Ari
30 Okt 2023	02h35m06.55s	+13 41' 53.1"	4.9739	3.9836	-2.9	175.0	1.0	50.50	199.84	20.59	252.5	Ari
31 Okt 2023	02h34m34.71s	+13 39' 25.2"	4.9740	3.9829	-2.9	176.1	0.8	50.21	201.48	20.65	252.5	Ari
1 Nov 2023	02h34m02.80s	+13 36' 57.1"	4.9742	3.9825	-2.9	177.1	0.6	49.91	203.11	20.69	252.5	Ari
2 Nov 2023	02h33m30.84s	+13 34' 28.8"	4.9744	3.9823	-2.9	178.0	0.4	49.59	204.72	20.71	252.5	Ari
3 Nov 2023	02h32m58.85s	+13 32' 00.5"	4.9745	3.9825	-2.9	178.6	0.3	49.26	206.31	20.72	252.5	Ari
4 Nov 2023	02h32m26.86s	+13 29' 32.3"	4.9747	3.9830	-2.9	178.3	0.3	48.90	207.88	20.71	252.5	Ari
5 Nov 2023	02h31m54.90s	+13 27' 04.2"	4.9748	3.9839	-2.9	177.5	0.5	48.53	209.43	20.68	252.6	Ari
6 Nov 2023	02h31m22.99s	+13 24' 36.5"	4.9750	3.9850	-2.9	176.5	0.7	48.15	210.96	20.64	252.6	Ari
7 Nov 2023	02h30m51.15s	+13 22' 09.2"	4.9752	3.9864	-2.9	175.5	0.9	47.75	212.47	20.59	252.6	Ari
8 Nov 2023	02h30m19.41s	+13 19' 42.5"	4.9753	3.9882	-2.9	174.4	1.1	47.33	213.96	20.51	252.6	Ari
9 Nov 2023	02h29m47.79s	+13 17' 16.5"	4.9755	3.9902	-2.9	173.3	1.3	46.90	215.43	20.42	252.6	Ari
10 Nov 2023	02h29m12.46s	+13 14' 51.4"	4.9757	3.9926	-2.9	172.1	1.6	46.46	216.88	20.32	252.6	Ari
11 Nov 2023	02h28m45.04s	+13 12' 27.1"	4.9758	3.9953	-2.9	171.0	1.8	46.00	218.30	20.20	252.6	Ari
12 Nov 2023	02h28m13.95s	+13 10' 03.9"	4.9760	3.9983	-2.9	169.9	2.0	45.53	219.71	20.06	252.6	Ari
13 Nov 2023	02h27m43.08s	+13 07' 42.0"	4.9762	4.0015	-2.9	168.8	2.2	45.05	221.09	19.90	252.6	Ari
14 Nov 2023	02h27m12.46s	+13 05' 21.3"	4.9763	4.0052	-2.9	167.6	2.4	44.56	222.45	19.73	252.7	Ari
15 Nov 2023	02h26m42.12s	+13 03' 02.1"	4.9765	4.0091	-2.9	166.5	2.7	44.05	223.79	19.55	252.7	Ari
16 Nov 2023	02h26m12.07s	+13 00' 44.4"	4.9767	4.0133	-2.9	165.4	2.9	43.54	225.11	19.34	252.7	Ari
17 Nov 2023	02h25m42.34s	+12 58' 28.5"	4.9768	4.0178	-2.9	164.2	3.1	43.02	226.41	19.13	252.7	Ari
18 Nov 2023	02h25m12.96s	+12 56' 14.4"	4.9770	4.0226	-2.9	163.1	3.3	42.48	227.69	18.90	252.8	Ari
19 Nov 2023	02h24m43.95s	+12 54' 02.2"	4.9772	4.0277	-2.9	162.0	3.5	41.94	228.95	18.65	252.8	Ari
20 Nov 2023	02h24m15.33s	+12 51' 52.0"	4.9773	4.0331	-2.9	160.9	3.7	41.39	230.19	18.39	252.8	Ari
21 Nov 2023	02h23m47.11s	+12 49' 44.0"	4.9775	4.0388	-2.9	159.7	3.9	40.83	231.41	18.11	252.8	Ari
22 Nov 2023	02h23m19.33s	+12 47' 38.2"	4.9777	4.0448	-2.9	158.6	4.2	40.27	232.62	17.83	252.9	Ari
23 Nov 2023	02h22m51.99s	+12 45' 34.8"	4.9778	4.0511	-2.9	157.5	4.4	39.70	233.80	17.53	252.9	Ari
24 Nov 2023	02h22m25.12s	+12 43' 33.8"	4.9780	4.0576	-2.9	156.4	4.6	39.12	234.97	17.22	253.0	Ari
25 Nov 2023	02h21m58.74s	+12 41' 35.3"	4.9782	4.0644	-2.8	155.2	4.8	38.53	236.11	16.89	253.0	Ari
26 Nov 2023	02h21m32.86s	+12 39' 39.5"	4.9784	4.0716	-2.8	154.1	5.0	37.94	237.24	16.56	253.1	Ari
27 Nov 2023	02h21m07.50s	+12 37' 46.4"	4.9785	4.0789	-2.8	153.0	5.2	37.35	238.36	16.21	253.1	Ari
28 Nov 2023	02h20m42.68s	+12 35' 56.1"	4.9787	4.0866	-2.8	151.9	5.4	36.75	239.46	15.86	253.2	Ari
29 Nov 2023	02h20m18.41s	+12 34' 08.6"	4.9789	4.0945	-2.8	150.8	5.6	36.14	240.54	15.49	253.2	Ari
30 Nov 2023	02h19m54.70s	+12 32' 24.2"	4.9790	4.1027	-2.8	149.7	5.7	35.53	241.61	15.12	253.3	Ari
1 Dez 2023	02h19m31.58s	+12 30' 42.7"	4.9792	4.1112	-2.8	148.6	5.9	34.92	242.66	14.73	253.3	Ari
2 Dez 2023	02h19m09.06s	+12 29' 04.4"	4.9794	4.1199	-2.8	147.4	6.1	34.30	243.70	14.33	253.4	Ari
3 Dez 2023	02h18m47.15s	+12 27' 29.3"	4.9796	4.1289	-2.8	146.3	6.3	33.68	244.72	13.93	253.5	Ari
4 Dez 2023	02h18m25.87s	+12 25' 57.5"	4.9797	4.1381	-2.8	145.2	6.5	33.06	245.74	13.51	253.6	Ari
5 Dez 2023	02h18m05.24s	+12 24' 29.0"	4.9799	4.1475	-2.8	144.1	6.7	32.44	246.73	13.09	253.7	Ari
6 Dez 2023	02h17m45.25s	+12 23' 04.0"	4.9801	4.1573	-2.8	143.0	6.8	31.81	247.72	12.66	253.8	Ari
7 Dez 2023	02h17m25.94s	+12 21' 42.5"	4.9803	4.1672	-2.8	141.9	7.0	31.18	248.69	12.21	253.9	Ari
8 Dez 2023	02h17m07.30s	+12 20' 24.5"	4.9805	4.1774	-2.8	140.9	7.2	30.55	249.65	11.76	254.0	Ari
9 Dez 2023	02h16m49.36s	+12 19' 10.2"	4.9806	4.1878	-2.8	139.8	7.3	29.92	250.60	11.31	254.2	Ari
10 Dez 2023	02h16m32.12s	+12 17' 59.6"	4.9808	4.1985	-2.8	138.7	7.5	29.29	251.54	10.84	254.3	Ari
11 Dez 2023	02h16m15.60s	+12 16' 52.8"	4.9810	4.2094	-2.8	137.6	7.7	28.65	252.47	10.37	254.5	Ari
12 Dez 2023	02h15m59.81s	+12 15' 49.8"	4.9812	4.2205	-2.7	136.5	7.8	28.02	253.39	9.89	254.7	Ari
13 Dez 2023	02h15m44.75s	+12 14' 50.6"	4.9814	4.2318	-2.7	135.4	8.0	27.39	254.30	9.41	254.9	Ari
14 Dez 2023	02h15m30.44s	+12 13' 55.4"	4.9815	4.2433	-2.7	134.4	8.1	26.75	255.20	8.92	255.2	Ari
15 Dez 2023	02h15m16.88s	+12 13' 04.1"	4.9817	4.2551	-2.7	133.3	8.3	26.12	256.09	8.42	255.4	Ari
16 Dez 2023	02h15m04.09s	+12 12' 16.9"	4.9819	4.2670	-2.7	132.2	8.4	25.49	256.97	7.92	255.8	Ari
17 Dez 2023	02h14m52.07s	+12 11' 33.7"	4.9821	4.2791	-2.7	131.1	8.6	24.85	257.84	7.41	256.1	Ari
18 Dez 2023	02h14m40.82s	+12 10' 54.6"	4.9823	4.2915	-2.7	130.1	8.7	24.22	258.71	6.90	256.5	Ari
19 Dez 2023	02h14m30.36s	+12 10' 19.6"	4.9825	4.3040	-2.7	129.0	8.8	23.59	259.56	6.39	257.0	Ari
20 Dez 2023	02h14m20.68s	+12 09' 48.7"	4.9826	4.3167	-2.7	128.0	9.0	22.96	260.41	5.88	257.6	Ari
21 Dez 2023	02h14m11.79s	+12 09' 22.0"	4.9828	4.3296	-2.7	126.9	9.1	22.33	261.26	5.37	258.3	Ari
22 Dez 2023	02h14m03.69s	+12 08' 59.4"	4.9830	4.3426	-2.7	125.9	9.2	21.71	262.09	4.85	259.1	Ari
23 Dez 2023	02h13m56.39s	+12 08' 41.0"	4.9832	4.3558	-2.7	124.8	9.3	21.08	262.92	4.34	260.1	Ari
24 Dez 2023	02h13m49.88s	+12 08' 26.7"	4.9834	4.3692	-2.7	123.8	9.4	20.46	263.74	3.82	261.4	Ari
25 Dez 2023	02h13m44.18s	+12 08' 16.6"	4.9836	4.3827	-2.7	122.7	9.6	19.84	264.56	3.31	263.1	Ari
26 Dez 2023	02h13m39.27s	+12 08' 10.7"	4.9838	4.3964	-2.6	121.7	9.7	19.22	265.37	2.80	265.4	Ari
27 Dez 2023	02h13m35.16s	+12 08' 08.9"	4.9839	4.4103	-2.6	120.6	9.8	18.60	266.17	2.29	268.7	Ari
28 Dez 2023	02h13m31.86s	+12 08' 11.3"	4.9841	4.4242	-2.6	119.6	9.9	17.99	266.97	1.80	273.9	Ari
29 Dez 2023	02h13m29.35s	+12 08' 17.9"	4.9843	4.4384	-2.6	118.6	10.0	17.37	267.77	1.34	282.8	Ari
30 Dez 2023	02h13m27.65s	+12 08' 28.6"	4.9845	4.4526	-2.6	117.6	10.1	16.77	268.56	0.93	300.3	Ari
31 Dez 2023	02h13m26.76s	+12 08' 43.5"	4.9847	4.4670	-2.6	116.5	10.2	16.16	269.34	0.71	334.3	Ari
1 Jan 2024	02h13m26.66s	+12 09' 02.6"	4.9849	4.4815	-2.6	115.5	10.3	15.55	270.12	0.84	12.9	Ari