



## Ephemeriden für Sternfreunde

von Karl-Heinz Bücke

### Jupiter

Januar 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_V$	$\varnothing_{\Delta}$	$\varnothing_P$	$D_S$	$D_E$	$q$	$l$	$b$	$r$
1	4:45	21.8	4.19	5.1	-2.3	47.0"	43.9"	2.7	2.8	0.1"	78.0	-0.5	5.08
5	4:44	21.8	4.22	5.9	-2.3	46.6"	43.5"	2.7	2.8	0.1"	78.3	-0.5	5.08
9	4:42	21.8	4.26	6.6	-2.3	46.2"	43.1"	2.7	2.8	0.2"	78.7	-0.5	5.08
13	4:41	21.7	4.30	7.3	-2.2	45.8"	42.7"	2.7	2.8	0.2"	79.0	-0.5	5.08
17	4:39	21.7	4.35	7.9	-2.2	45.3"	42.3"	2.6	2.8	0.2"	79.4	-0.5	5.09
21	4:39	21.7	4.39	8.5	-2.2	44.8"	41.8"	2.6	2.8	0.2"	79.7	-0.5	5.09
25	4:38	21.7	4.44	9.0	-2.2	44.3"	41.3"	2.6	2.8	0.3"	80.1	-0.5	5.09
29	4:37	21.6	4.50	9.4	-2.1	43.8"	40.9"	2.6	2.7	0.3"	80.4	-0.4	5.09

Februar 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_V$	$\varnothing_{\Delta}$	$\varnothing_P$	$D_S$	$D_E$	$q$	$l$	$b$	$r$
1	4:37	21.6	4.54	9.8	-2.1	43.4"	40.5"	2.6	2.7	0.3"	80.7	-0.4	5.09
5	4:37	21.6	4.60	10.1	-2.1	42.8"	39.9"	2.6	2.7	0.3"	81.0	-0.4	5.09
9	4:37	21.7	4.66	10.4	-2.1	42.3"	39.5"	2.6	2.7	0.3"	81.4	-0.4	5.09
13	4:38	21.7	4.72	10.7	-2.0	41.7"	38.9"	2.6	2.7	0.4"	81.7	-0.4	5.09
17	4:38	21.7	4.78	10.9	-2.0	41.2"	38.5"	2.6	2.7	0.4"	82.1	-0.4	5.10
21	4:39	21.7	4.85	11.0	-2.0	40.6"	37.9"	2.5	2.7	0.4"	82.4	-0.4	5.10
25	4:40	21.8	4.91	11.1	-1.9	40.1"	37.4"	2.5	2.7	0.4"	82.7	-0.4	5.10

März 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_V$	$\varnothing_{\Delta}$	$\varnothing_P$	$D_S$	$D_E$	$q$	$l$	$b$	$r$
1	4:41	21.8	4.98	11.2	-1.9	39.6"	37.0"	2.5	2.6	0.4"	83.1	-0.4	5.10
5	4:43	21.9	5.04	11.2	-1.9	39.1"	36.5"	2.5	2.6	0.4"	83.4	-0.4	5.10
9	4:44	21.9	5.10	11.2	-1.9	38.6"	36.0"	2.5	2.6	0.4"	83.8	-0.4	5.10
13	4:46	22.0	5.17	11.1	-1.8	38.1"	35.6"	2.5	2.6	0.4"	84.1	-0.4	5.10
17	4:48	22.1	5.23	11.0	-1.8	37.6"	35.1"	2.5	2.6	0.3"	84.5	-0.4	5.11
21	4:50	22.1	5.29	10.8	-1.8	37.2"	34.7"	2.5	2.6	0.3"	84.8	-0.4	5.11
25	4:53	22.2	5.36	10.6	-1.7	36.8"	34.3"	2.5	2.6	0.3"	85.2	-0.3	5.11
29	4:55	22.3	5.42	10.4	-1.7	36.4"	34.0"	2.4	2.5	0.3"	85.5	-0.3	5.11

April 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_V$	$\varnothing_{\Delta}$	$\varnothing_P$	$D_S$	$D_E$	$q$	$l$	$b$	$r$
1	4:57	22.3	5.46	10.2	-1.7	36.1"	33.7"	2.4	2.5	0.3"	85.8	-0.3	5.11
5	5:00	22.4	5.52	9.9	-1.7	35.7"	33.3"	2.4	2.5	0.3"	86.1	-0.3	5.11
9	5:03	22.5	5.58	9.5	-1.7	35.3"	32.9"	2.4	2.5	0.2"	86.4	-0.3	5.11
13	5:06	22.6	5.63	9.2	-1.6	35.0"	32.7"	2.4	2.5	0.2"	86.8	-0.3	5.12
17	5:09	22.6	5.68	8.8	-1.6	34.7"	32.4"	2.4	2.5	0.2"	87.1	-0.3	5.12
21	5:12	22.7	5.73	8.4	-1.6	34.4"	32.1"	2.4	2.5	0.2"	87.5	-0.3	5.12
25	5:15	22.8	5.78	8.0	-1.6	34.1"	31.8"	2.4	2.4	0.2"	87.8	-0.3	5.12
29	5:19	22.8	5.82	7.6	-1.6	33.8"	31.5"	2.4	2.4	0.1"	88.2	-0.3	5.12

Jupiter

Mai 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_v$	$\varnothing_{\bar{A}}$	$\varnothing_P$	$D_s$	$D_e$	$q$	$l$	$b$	$r$
1	5:20	22.9	5.85	7.3	-1.5	33.7"	31.5"	2.3	2.4	0.1"	88.3	-0.3	5.12
5	5:24	22.9	5.89	6.9	-1.5	33.5"	31.3"	2.3	2.4	0.1"	88.7	-0.3	5.12
9	5:27	23.0	5.93	6.4	-1.5	33.2"	31.0"	2.3	2.4	0.1"	89.0	-0.3	5.12
13	5:31	23.0	5.96	5.9	-1.5	33.0"	30.8"	2.3	2.4	0.1"	89.4	-0.3	5.13
17	5:35	23.1	5.99	5.4	-1.5	32.9"	30.7"	2.3	2.3	0.1"	89.7	-0.2	5.13
21	5:39	23.1	6.02	4.8	-1.5	32.7"	30.5"	2.3	2.3	0.1"	90.0	-0.2	5.13
25	5:42	23.2	6.05	4.3	-1.5	32.5"	30.3"	2.3	2.3	0.0"	90.4	-0.2	5.13
29	5:46	23.2	6.08	3.8	-1.5	32.4"	30.2"	2.3	2.3	0.0"	90.7	-0.2	5.13

Juni 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_v$	$\varnothing_{\bar{A}}$	$\varnothing_P$	$D_s$	$D_e$	$q$	$l$	$b$	$r$
1	5:49	23.2	6.09	3.4	-1.5	32.3"	30.1"	2.3	2.3	0.0"	91.0	-0.2	5.13
5	5:53	23.2	6.11	2.8	-1.4	32.2"	30.1"	2.2	2.2	0.0"	91.3	-0.2	5.13
9	5:57	23.2	6.13	2.2	-1.4	32.1"	30.0"	2.2	2.2	0.0"	91.7	-0.2	5.14
13	6:01	23.2	6.14	1.7	-1.4	32.1"	30.0"	2.2	2.2	0.0"	92.0	-0.2	5.14
17	6:05	23.2	6.15	1.1	-1.4	32.0"	29.9"	2.2	2.2	0.0"	92.3	-0.2	5.14
21	6:09	23.2	6.15	0.5	-1.4	32.0"	29.9"	2.2	2.2	0.0"	92.7	-0.2	5.14
25	6:13	23.2	6.16	0.0	-1.4	32.0"	29.9"	2.2	2.1	0.0"	93.0	-0.2	5.14
29	6:17	23.2	6.16	0.6	-1.4	32.0"	29.9"	2.2	2.1	0.0"	93.4	-0.2	5.14

Juli 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_v$	$\varnothing_{\bar{A}}$	$\varnothing_P$	$D_s$	$D_e$	$q$	$l$	$b$	$r$
1	6:19	23.2	6.16	0.9	-1.4	32.0"	29.9"	2.2	2.1	0.0"	93.5	-0.2	5.14
5	6:23	23.2	6.15	1.5	-1.4	32.0"	29.9"	2.1	2.1	0.0"	93.9	-0.1	5.14
9	6:27	23.1	6.14	2.0	-1.4	32.1"	30.0"	2.1	2.1	0.0"	94.2	-0.1	5.15
13	6:31	23.1	6.13	2.6	-1.4	32.1"	30.0"	2.1	2.0	0.0"	94.6	-0.1	5.15
17	6:35	23.1	6.12	3.2	-1.4	32.2"	30.1"	2.1	2.0	0.0"	94.9	-0.1	5.15
21	6:38	23.0	6.10	3.7	-1.4	32.3"	30.1"	2.1	2.0	0.0"	95.2	-0.1	5.15
25	6:42	23.0	6.08	4.3	-1.5	32.4"	30.2"	2.1	2.0	0.0"	95.6	-0.1	5.15
29	6:46	22.9	6.05	4.8	-1.5	32.5"	30.3"	2.1	2.0	-0.1"	95.9	-0.1	5.15

August 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_v$	$\varnothing_{\bar{A}}$	$\varnothing_P$	$D_s$	$D_e$	$q$	$l$	$b$	$r$
1	6:49	22.9	6.04	5.2	-1.5	32.6"	30.4"	2.0	1.9	-0.1"	96.2	-0.1	5.15
5	6:52	22.8	6.01	5.7	-1.5	32.8"	30.6"	2.0	1.9	-0.1"	96.5	-0.1	5.16
9	6:56	22.7	5.97	6.2	-1.5	33.0"	30.8"	2.0	1.9	-0.1"	96.8	-0.1	5.16
13	7:00	22.6	5.94	6.7	-1.5	33.2"	31.0"	2.0	1.9	-0.1"	97.2	-0.1	5.16
17	7:03	22.6	5.90	7.1	-1.5	33.4"	31.2"	2.0	1.8	-0.1"	97.5	-0.1	5.16
21	7:07	22.5	5.86	7.6	-1.5	33.6"	31.4"	2.0	1.8	-0.1"	97.9	-0.1	5.16
25	7:10	22.4	5.82	8.0	-1.5	33.8"	31.5"	2.0	1.8	-0.2"	98.2	-0.1	5.16
29	7:13	22.3	5.78	8.4	-1.6	34.1"	31.8"	1.9	1.8	-0.2"	98.5	0.0	5.16

September 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_v$	$\varnothing_{\bar{A}}$	$\varnothing_P$	$D_s$	$D_e$	$q$	$l$	$b$	$r$
1	7:15	22.3	5.74	8.7	-1.6	34.3"	32.0"	1.9	1.8	-0.2"	98.8	0.0	5.17
5	7:18	22.2	5.69	9.1	-1.6	34.6"	32.3"	1.9	1.7	-0.2"	99.1	0.0	5.17
9	7:21	22.1	5.64	9.4	-1.6	34.9"	32.6"	1.9	1.7	-0.2"	99.5	0.0	5.17
13	7:24	22.0	5.59	9.8	-1.6	35.2"	32.9"	1.9	1.7	-0.3"	99.8	0.0	5.17
17	7:27	21.9	5.54	10.0	-1.6	35.6"	33.2"	1.9	1.7	-0.3"	100.1	0.0	5.17
21	7:29	21.8	5.48	10.3	-1.7	35.9"	33.5"	1.9	1.7	-0.3"	100.5	0.0	5.17
25	7:32	21.8	5.42	10.5	-1.7	36.3"	33.9"	1.9	1.6	-0.3"	100.8	0.0	5.17
29	7:34	21.7	5.36	10.7	-1.7	36.7"	34.3"	1.8	1.6	-0.3"	101.1	0.0	5.18

Oktober 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_V$	$\varnothing_{\Delta}$	$\varnothing_P$	$D_S$	$D_e$	$q$	$l$	$b$	$r$
1	7:35	21.6	5.33	10.8	-1.7	36.9"	34.4"	1.8	1.6	-0.3"	101.3	0.0	5.18
5	7:37	21.6	5.27	10.9	-1.7	37.3"	34.8"	1.8	1.6	-0.3"	101.6	0.0	5.18
9	7:39	21.5	5.21	11.0	-1.8	37.8"	35.3"	1.8	1.6	-0.3"	102.0	0.0	5.18
13	7:40	21.5	5.15	11.1	-1.8	38.2"	35.7"	1.8	1.5	-0.4"	102.3	0.0	5.18
17	7:42	21.4	5.09	11.1	-1.8	38.7"	36.1"	1.8	1.5	-0.4"	102.6	0.0	5.18
21	7:43	21.4	5.03	11.0	-1.8	39.2"	36.6"	1.8	1.5	-0.4"	103.0	0.1	5.18
25	7:44	21.3	4.97	11.0	-1.9	39.6"	37.0"	1.7	1.5	-0.4"	103.3	0.1	5.19
29	7:45	21.3	4.91	10.8	-1.9	40.1"	37.4"	1.7	1.5	-0.4"	103.6	0.1	5.19

November 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_V$	$\varnothing_{\Delta}$	$\varnothing_P$	$D_S$	$D_e$	$q$	$l$	$b$	$r$
1	7:46	21.3	4.86	10.7	-1.9	40.5"	37.8"	1.7	1.5	-0.4"	103.9	0.1	5.19
5	7:46	21.3	4.80	10.5	-1.9	41.0"	38.3"	1.7	1.5	-0.3"	104.2	0.1	5.19
9	7:46	21.3	4.74	10.2	-2.0	41.5"	38.7"	1.7	1.4	-0.3"	104.6	0.1	5.19
13	7:46	21.3	4.69	9.9	-2.0	42.0"	39.2"	1.7	1.4	-0.3"	104.9	0.1	5.19
17	7:46	21.3	4.63	9.5	-2.0	42.5"	39.7"	1.7	1.4	-0.3"	105.2	0.1	5.19
21	7:46	21.3	4.58	9.1	-2.0	43.0"	40.1"	1.6	1.4	-0.3"	105.6	0.1	5.20
25	7:45	21.3	4.53	8.6	-2.1	43.5"	40.6"	1.6	1.4	-0.2"	105.9	0.1	5.20
29	7:44	21.4	4.48	8.1	-2.1	43.9"	41.0"	1.6	1.4	-0.2"	106.2	0.1	5.20

Dezember 2025 (0<sup>h</sup> UT)

Tag	$\alpha$	$\delta$	$\Delta$	$\varphi$	$m_V$	$\varnothing_{\Delta}$	$\varnothing_P$	$D_S$	$D_e$	$q$	$l$	$b$	$r$
1	7:44	21.4	4.46	7.8	-2.1	44.1"	41.2"	1.6	1.4	-0.2"	106.4	0.1	5.20
5	7:43	21.5	4.42	7.2	-2.1	44.6"	41.6"	1.6	1.4	-0.2"	106.7	0.1	5.20
9	7:41	21.5	4.38	6.5	-2.1	45.0"	42.0"	1.6	1.4	-0.1"	107.1	0.1	5.20
13	7:40	21.6	4.35	5.8	-2.2	45.3"	42.3"	1.6	1.4	-0.1"	107.4	0.2	5.20
17	7:38	21.7	4.32	5.1	-2.2	45.6"	42.6"	1.5	1.4	-0.1"	107.7	0.2	5.21
21	7:36	21.8	4.29	4.3	-2.2	45.9"	42.8"	1.5	1.4	-0.1"	108.1	0.2	5.21
25	7:34	21.8	4.27	3.5	-2.2	46.1"	43.0"	1.5	1.4	0.0"	108.4	0.2	5.21
29	7:32	21.9	4.25	2.7	-2.2	46.3"	43.2"	1.5	1.4	0.0"	108.7	0.2	5.21