



Ephemeriden für Sternfreunde

von Karl-Heinz Bücke

Jupiter

Januar 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_V	\varnothing_{Δ}	\varnothing_P	D_S	D_E	q	l	b	r
1	2:13	12.2	4.48	10.3	-2.2	44.0"	41.1"	3.1	3.1	0.4"	45.4	-1.1	4.98
5	2:13	12.3	4.54	10.6	-2.2	43.4"	40.5"	3.1	3.1	0.4"	45.8	-1.1	4.98
9	2:13	12.3	4.60	10.8	-2.1	42.8"	39.9"	3.1	3.1	0.4"	46.2	-1.1	4.98
13	2:14	12.4	4.66	11.1	-2.1	42.2"	39.4"	3.1	3.0	0.4"	46.5	-1.1	4.99
17	2:14	12.4	4.73	11.2	-2.1	41.7"	38.9"	3.1	3.0	0.4"	46.9	-1.0	4.99
21	2:15	12.5	4.79	11.3	-2.0	41.1"	38.4"	3.1	3.0	0.4"	47.3	-1.0	4.99
25	2:17	12.6	4.85	11.4	-2.0	40.6"	37.9"	3.1	3.0	0.4"	47.6	-1.0	4.99
29	2:18	12.7	4.92	11.4	-2.0	40.0"	37.3"	3.1	3.0	0.4"	48.0	-1.0	4.99

Februar 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_V	\varnothing_{Δ}	\varnothing_P	D_S	D_E	q	l	b	r
1	2:19	12.8	4.97	11.4	-2.0	39.7"	37.1"	3.1	3.0	0.4"	48.2	-1.0	4.99
5	2:21	13.0	5.03	11.3	-1.9	39.1"	36.5"	3.1	3.0	0.4"	48.6	-1.0	4.99
9	2:23	13.1	5.09	11.2	-1.9	38.7"	36.1"	3.1	3.0	0.4"	49.0	-1.0	4.99
13	2:25	13.3	5.16	11.0	-1.9	38.2"	35.7"	3.1	2.9	0.4"	49.3	-1.0	4.99
17	2:27	13.5	5.22	10.8	-1.9	37.7"	35.2"	3.1	2.9	0.3"	49.7	-1.0	4.99
21	2:29	13.7	5.28	10.6	-1.8	37.3"	34.8"	3.1	2.9	0.3"	50.0	-1.0	4.99
25	2:32	13.9	5.34	10.3	-1.8	36.9"	34.4"	3.1	2.9	0.3"	50.4	-1.0	4.99
29	2:34	14.1	5.40	10.0	-1.8	36.5"	34.1"	3.1	2.9	0.3"	50.8	-1.0	5.00

März 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_V	\varnothing_{Δ}	\varnothing_P	D_S	D_E	q	l	b	r
1	2:35	14.2	5.41	9.9	-1.8	36.4"	34.0"	3.1	2.9	0.3"	50.9	-1.0	5.00
5	2:38	14.4	5.47	9.6	-1.7	36.0"	33.6"	3.1	2.9	0.3"	51.2	-1.0	5.00
9	2:40	14.6	5.52	9.2	-1.7	35.7"	33.3"	3.1	2.9	0.2"	51.6	-1.0	5.00
13	2:43	14.8	5.57	8.8	-1.7	35.4"	33.0"	3.1	2.9	0.2"	51.9	-1.0	5.00
17	2:46	15.1	5.62	8.4	-1.7	35.0"	32.7"	3.1	2.9	0.2"	52.3	-1.0	5.00
21	2:50	15.3	5.67	8.0	-1.7	34.8"	32.5"	3.1	2.9	0.2"	52.7	-1.0	5.00
25	2:53	15.6	5.71	7.5	-1.7	34.5"	32.2"	3.1	2.9	0.1"	53.0	-1.0	5.00
29	2:56	15.8	5.75	7.0	-1.6	34.2"	31.9"	3.1	2.9	0.1"	53.4	-1.0	5.00

April 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_V	\varnothing_{Δ}	\varnothing_P	D_S	D_E	q	l	b	r
1	2:59	16.0	5.78	6.7	-1.6	34.1"	31.8"	3.1	2.9	0.1"	53.6	-0.9	5.00
5	3:02	16.2	5.82	6.2	-1.6	33.9"	31.6"	3.1	2.9	0.1"	54.0	-0.9	5.00
9	3:06	16.5	5.85	5.6	-1.6	33.7"	31.5"	3.1	2.9	0.1"	54.4	-0.9	5.00
13	3:09	16.7	5.88	5.1	-1.6	33.5"	31.3"	3.1	2.9	0.1"	54.7	-0.9	5.01
17	3:13	17.0	5.91	4.6	-1.6	33.3"	31.1"	3.1	2.9	0.1"	55.1	-0.9	5.01
21	3:17	17.2	5.94	4.0	-1.6	33.2"	31.0"	3.1	2.9	0.0"	55.4	-0.9	5.01
25	3:20	17.5	5.96	3.4	-1.6	33.1"	30.9"	3.1	2.9	0.0"	55.8	-0.9	5.01
29	3:24	17.7	5.98	2.9	-1.5	32.9"	30.7"	3.1	2.9	0.0"	56.2	-0.9	5.01

Jupiter

Mai 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_v	$\varnothing_{\bar{\Delta}}$	\varnothing_P	D_s	D_e	q	l	b	r
1	3:26	17.8	5.99	2.6	-1.5	32.9"	30.7"	3.1	2.9	0.0"	56.3	-0.9	5.01
5	3:30	18.1	6.00	2.0	-1.5	32.8"	30.6"	3.1	2.9	0.0"	56.7	-0.9	5.01
9	3:34	18.3	6.01	1.4	-1.5	32.8"	30.6"	3.1	2.9	0.0"	57.0	-0.9	5.01
13	3:37	18.5	6.02	0.8	-1.5	32.7"	30.5"	3.1	2.9	0.0"	57.4	-0.9	5.01
17	3:41	18.7	6.02	0.3	-1.5	32.7"	30.5"	3.1	2.9	0.0"	57.8	-0.9	5.01
21	3:45	19.0	6.03	0.3	-1.5	32.7"	30.5"	3.1	2.9	0.0"	58.1	-0.9	5.01
25	3:49	19.2	6.02	0.9	-1.5	32.7"	30.5"	3.1	2.9	0.0"	58.5	-0.9	5.02
29	3:53	19.4	6.02	1.5	-1.5	32.7"	30.5"	3.1	2.9	0.0"	58.8	-0.9	5.02

Juni 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_v	$\varnothing_{\bar{\Delta}}$	\varnothing_P	D_s	D_e	q	l	b	r
1	3:56	19.5	6.01	1.9	-1.5	32.7"	30.5"	3.1	2.9	0.0"	59.1	-0.9	5.02
5	4:00	19.7	6.00	2.5	-1.5	32.8"	30.6"	3.0	2.9	0.0"	59.5	-0.9	5.02
9	4:04	19.9	5.99	3.1	-1.5	32.9"	30.7"	3.0	2.9	0.0"	59.8	-0.8	5.02
13	4:07	20.1	5.97	3.6	-1.5	33.0"	30.8"	3.0	2.9	0.0"	60.2	-0.8	5.02
17	4:11	20.3	5.95	4.2	-1.6	33.1"	30.9"	3.0	2.9	0.0"	60.5	-0.8	5.02
21	4:15	20.4	5.93	4.7	-1.6	33.2"	31.0"	3.0	2.9	-0.1"	60.9	-0.8	5.02
25	4:19	20.6	5.91	5.3	-1.6	33.3"	31.1"	3.0	2.9	-0.1"	61.2	-0.8	5.02
29	4:22	20.7	5.88	5.8	-1.6	33.5"	31.3"	3.0	2.9	-0.1"	61.6	-0.8	5.02

Juli 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_v	$\varnothing_{\bar{\Delta}}$	\varnothing_P	D_s	D_e	q	l	b	r
1	4:24	20.8	5.86	6.1	-1.6	33.6"	31.4"	3.0	2.9	-0.1"	61.8	-0.8	5.03
5	4:28	21.0	5.83	6.6	-1.6	33.8"	31.5"	3.0	2.9	-0.1"	62.1	-0.8	5.03
9	4:31	21.1	5.80	7.1	-1.6	34.0"	31.7"	3.0	2.9	-0.1"	62.5	-0.8	5.03
13	4:35	21.2	5.76	7.5	-1.6	34.2"	31.9"	3.0	2.9	-0.1"	62.8	-0.8	5.03
17	4:38	21.3	5.72	8.0	-1.6	34.4"	32.1"	3.0	2.9	-0.2"	63.2	-0.8	5.03
21	4:42	21.4	5.68	8.4	-1.7	34.7"	32.4"	3.0	2.9	-0.2"	63.6	-0.8	5.03
25	4:45	21.6	5.63	8.8	-1.7	35.0"	32.7"	3.0	2.9	-0.2"	63.9	-0.8	5.03
29	4:48	21.7	5.59	9.2	-1.7	35.3"	32.9"	3.0	2.9	-0.2"	64.3	-0.8	5.03

August 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_v	$\varnothing_{\bar{\Delta}}$	\varnothing_P	D_s	D_e	q	l	b	r
1	4:51	21.7	5.55	9.5	-1.7	35.5"	33.1"	3.0	2.9	-0.2"	64.5	-0.8	5.03
5	4:54	21.8	5.50	9.8	-1.7	35.8"	33.4"	3.0	2.9	-0.3"	64.9	-0.8	5.03
9	4:56	21.9	5.45	10.2	-1.7	36.2"	33.8"	3.0	2.9	-0.3"	65.2	-0.8	5.04
13	4:59	22.0	5.39	10.4	-1.8	36.5"	34.1"	3.0	2.9	-0.3"	65.6	-0.7	5.04
17	5:02	22.0	5.34	10.7	-1.8	36.9"	34.4"	3.0	2.9	-0.3"	65.9	-0.7	5.04
21	5:04	22.1	5.28	10.9	-1.8	37.3"	34.8"	2.9	2.9	-0.3"	66.3	-0.7	5.04
25	5:07	22.2	5.22	11.1	-1.8	37.7"	35.2"	2.9	2.9	-0.4"	66.7	-0.7	5.04
29	5:09	22.2	5.16	11.3	-1.9	38.1"	35.6"	2.9	2.9	-0.4"	67.0	-0.7	5.04

September 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_v	$\varnothing_{\bar{\Delta}}$	\varnothing_P	D_s	D_e	q	l	b	r
1	5:10	22.2	5.12	11.4	-1.9	38.5"	35.9"	2.9	2.9	-0.4"	67.3	-0.7	5.04
5	5:12	22.3	5.06	11.5	-1.9	38.9"	36.3"	2.9	2.9	-0.4"	67.6	-0.7	5.04
9	5:14	22.3	5.00	11.5	-1.9	39.4"	36.8"	2.9	2.9	-0.4"	68.0	-0.7	5.04
13	5:15	22.4	4.94	11.5	-1.9	39.9"	37.2"	2.9	2.9	-0.4"	68.3	-0.7	5.05
17	5:17	22.4	4.88	11.5	-2.0	40.4"	37.7"	2.9	2.9	-0.4"	68.7	-0.7	5.05
21	5:18	22.4	4.81	11.4	-2.0	40.9"	38.2"	2.9	2.9	-0.4"	69.0	-0.7	5.05
25	5:19	22.4	4.75	11.2	-2.0	41.4"	38.6"	2.9	2.9	-0.4"	69.4	-0.7	5.05
29	5:20	22.5	4.70	11.0	-2.1	41.9"	39.1"	2.9	2.9	-0.4"	69.7	-0.7	5.05

Jupiter

Oktober 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_V	\varnothing_{λ}	\varnothing_P	D_S	D_e	q	l	b	r
1	5:20	22.5	4.67	10.9	-2.1	42.2"	39.4"	2.9	2.9	-0.4"	69.9	-0.7	5.05
5	5:20	22.5	4.61	10.6	-2.1	42.7"	39.9"	2.9	2.9	-0.4"	70.3	-0.7	5.05
9	5:20	22.5	4.55	10.3	-2.1	43.3"	40.4"	2.9	2.9	-0.4"	70.6	-0.6	5.05
13	5:20	22.5	4.50	10.0	-2.1	43.8"	40.9"	2.9	2.9	-0.3"	71.0	-0.6	5.06
17	5:20	22.5	4.45	9.5	-2.2	44.3"	41.3"	2.8	2.9	-0.3"	71.3	-0.6	5.06
21	5:19	22.5	4.40	9.0	-2.2	44.8"	41.8"	2.8	2.9	-0.3"	71.7	-0.6	5.06
25	5:19	22.5	4.35	8.5	-2.2	45.3"	42.3"	2.8	2.9	-0.2"	72.0	-0.6	5.06
29	5:17	22.5	4.30	7.9	-2.2	45.7"	42.7"	2.8	2.9	-0.2"	72.4	-0.6	5.06

November 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_V	\varnothing_{λ}	\varnothing_P	D_S	D_e	q	l	b	r
1	5:17	22.5	4.27	7.5	-2.3	46.1"	43.0"	2.8	2.9	-0.2"	72.6	-0.6	5.06
5	5:15	22.4	4.24	6.8	-2.3	46.5"	43.4"	2.8	2.9	-0.2"	73.0	-0.6	5.06
9	5:14	22.4	4.20	6.1	-2.3	46.9"	43.8"	2.8	2.9	-0.1"	73.3	-0.6	5.06
13	5:12	22.4	4.17	5.3	-2.3	47.2"	44.1"	2.8	2.9	-0.1"	73.7	-0.6	5.06
17	5:10	22.4	4.15	4.5	-2.3	47.5"	44.3"	2.8	2.9	-0.1"	74.0	-0.6	5.07
21	5:08	22.3	4.12	3.7	-2.3	47.7"	44.5"	2.8	2.9	0.0"	74.4	-0.6	5.07
25	5:06	22.3	4.11	2.8	-2.3	47.9"	44.7"	2.8	2.9	0.0"	74.7	-0.6	5.07
29	5:04	22.3	4.10	2.0	-2.3	48.1"	44.9"	2.8	2.9	0.0"	75.1	-0.6	5.07

Dezember 2024 (0^h UT)

Tag	α	δ	Δ	φ	m_V	\varnothing_{λ}	\varnothing_P	D_S	D_e	q	l	b	r
1	5:02	22.2	4.09	1.5	-2.3	48.1"	44.9"	2.8	2.9	0.0"	75.3	-0.6	5.07
5	5:00	22.2	4.09	0.6	-2.3	48.2"	45.0"	2.7	2.9	0.0"	75.6	-0.5	5.07
9	4:58	22.1	4.09	0.3	-2.3	48.2"	45.0"	2.7	2.9	0.0"	76.0	-0.5	5.07
13	4:55	22.1	4.09	1.1	-2.3	48.1"	44.9"	2.7	2.9	0.0"	76.3	-0.5	5.07
17	4:53	22.0	4.11	2.0	-2.3	48.0"	44.8"	2.7	2.9	0.0"	76.7	-0.5	5.08
21	4:51	22.0	4.12	2.9	-2.3	47.8"	44.6"	2.7	2.8	0.0"	77.0	-0.5	5.08
25	4:49	21.9	4.14	3.7	-2.3	47.6"	44.4"	2.7	2.8	0.1"	77.4	-0.5	5.08
29	4:47	21.9	4.17	4.6	-2.3	47.3"	44.1"	2.7	2.8	0.1"	77.7	-0.5	5.08