

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
KWIECIEŃ 2024									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	1 57	5 23	8 48	42	42	17 49 52	-28 27.6	31.0	-0.62
2	2 53	6 22	9 54	43	44	18 50 02	-28 14.3	31.5	-0.52
3	3 34	7 21	11 15	47	49	19 50 40	-26 19.5	31.9	-0.41
4	4 05	8 18	12 42	54	57	20 50 13	-22 46.2	32.3	-0.30
5	4 27	9 13	14 12	63	67	21 47 45	-17 46.0	32.7	-0.20
6	4 45	10 05	15 41	74	79	22 43 09	-11 37.4	33.1	-0.11
7	5 01	10 56	17 10	85	90	23 36 58	- 4 43.7	33.3	-0.05
8	5 16	11 48	18 40	96	102	0 30 10	2 28.8	33.3	-0.01
9	5 31	12 40	20 09	107	114	1 23 49	9 32.4	33.2	0.00
10	5 50	13 34	21 40	118	124	2 18 56	15 59.4	32.9	0.02
11	6 14	14 30	23 07	127	131	3 16 05	21 24.2	32.5	0.07
12	6 45	15 29	—	133	—	4 15 14	25 25.7	32.0	0.14
13	7 28	16 27	0 25	137	136	5 15 32	27 50.2	31.5	0.23
14	8 24	17 24	1 29	138	138	6 15 29	28 33.7	31.0	0.32
15	9 31	18 18	2 16	135	136	7 13 27	27 41.6	30.5	0.42
16	10 44	19 08	2 50	129	131	8 08 14	25 26.5	30.1	0.52
17	11 57	19 53	3 14	122	125	8 59 22	22 03.9	29.8	0.62
18	13 09	20 36	3 32	114	117	9 47 04	17 49.4	29.6	0.71
19	14 18	21 16	3 46	105	109	10 31 57	12 56.8	29.5	0.79
20	15 27	21 55	3 58	96	100	11 14 53	7 37.8	29.5	0.86
21	16 35	22 34	4 09	87	92	11 56 49	2 02.9	29.5	0.92
22	17 43	23 14	4 20	78	83	12 38 42	- 3 37.9	29.6	0.96
23	18 55	23 56	4 32	69	74	13 21 30	- 9 14.4	29.7	0.99
24	20 08	—	4 46	60	65	14 06 10	-14 34.8	29.9	-1.00
25	21 24	0 41	5 03	52	57	14 53 33	-19 25.3	30.1	-0.99
26	22 40	1 29	5 26	46	50	15 44 19	-23 30.2	30.3	-0.96
27	23 50	2 22	5 59	42	45	16 38 42	-26 32.0	30.6	-0.91
28	—	3 18	6 44	—	42	17 36 16	-28 14.1	30.9	-0.84
29	0 49	4 16	7 45	42	43	18 35 50	-28 23.3	31.2	-0.76
30	1 34	5 14	9 00	45	47	19 35 46	-26 53.8	31.5	-0.66

ostatnia kwadra:	2 IV	3 ^h 15 ^m		6 IV	3.9 ^h	Mars	2°N
nów:	8 IV	18 ^h 21 ^m		6 IV	9.5 ^h	Saturn	1°N
pierwsza kwadra:	15 IV	19 ^h 13 ^m		7 IV	8.3 ^h	Neptun	0.4°N
pełnia:	23 IV	23 ^h 49 ^m		7 IV	16.7 ^h	Wenus	0.4°S
				9 IV	1.4 ^h	Merkury	2°N
perygeum:	7 IV	17 ^h 50 ^m		10 IV	21.2 ^h	Jowisz	4°S
apogeum:	20 IV	2 ^h 09 ^m		10 IV	23.9 ^h	Uran	4°S