

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
SIERPIEŃ 2024									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	0 33	9 33	18 32	138	137	5 51 46	28 25.3	31.0	-0.13
2	1 34	10 30	19 15	137	134	6 50 51	28 00.9	30.7	-0.06
3	2 46	11 24	19 45	132	128	7 47 45	26 06.0	30.5	-0.02
4	4 01	12 13	20 07	126	121	8 41 22	22 54.4	30.2	-0.00
5	5 16	12 59	20 23	118	113	9 31 22	18 43.2	30.0	0.00
6	6 29	13 41	20 37	109	104	10 18 04	13 49.3	29.8	0.02
7	7 39	14 21	20 48	100	96	11 02 09	8 28.1	29.6	0.06
8	8 47	15 00	20 59	91	87	11 44 32	2 52.5	29.5	0.11
9	9 55	15 39	21 10	82	78	12 26 12	-2 46.7	29.5	0.18
10	11 04	16 19	21 22	73	69	13 08 10	-8 19.7	29.5	0.26
11	12 14	17 01	21 37	64	61	13 51 28	-13 37.0	29.6	0.35
12	13 27	17 46	21 56	56	54	14 37 05	-18 27.7	29.8	0.44
13	14 42	18 36	22 22	49	47	15 25 58	-22 39.0	30.1	0.54
14	15 56	19 30	23 00	44	43	16 18 45	-25 55.4	30.5	0.64
15	17 02	20 28	—	42	—	17 15 33	-27 59.0	31.0	0.73
16	17 56	21 28	0 06	43	42	18 15 37	-28 32.2	31.5	0.82
17	18 37	22 28	1 04	48	44	19 17 23	-27 22.6	32.0	0.90
18	19 06	23 26	2 28	56	50	20 18 53	-24 27.4	32.4	0.95
19	19 27	—	3 58	66	59	21 18 31	-19 55.5	32.8	0.99
20	19 45	0 21	5 29	76	70	22 15 33	-14 06.1	33.1	-1.00
21	20 00	1 14	6 59	88	81	23 10 10	-7 24.3	33.2	-0.98
22	20 15	2 04	8 27	99	93	0 03 09	-0 17.9	33.1	-0.93
23	20 30	2 54	9 54	109	105	0 55 37	6 46.1	32.9	-0.85
24	20 49	3 46	11 22	119	116	1 48 42	13 22.3	32.6	-0.76
25	21 13	4 38	12 49	128	125	2 43 20	19 08.0	32.3	-0.66
26	21 45	5 34	14 13	134	132	3 40 01	23 43.5	31.9	-0.54
27	22 29	6 31	15 28	138	137	4 38 38	26 53.1	31.5	-0.43
28	23 26	7 29	16 30	138	138	5 38 13	28 26.9	31.1	-0.33
29	—	8 25	17 16	—	135	6 37 18	28 23.0	30.7	-0.24
30	0 34	9 19	17 49	134	130	7 34 20	26 47.6	30.4	-0.16
31	1 49	10 10	18 13	128	124	8 28 13	23 53.4	30.2	-0.09

nów:	4 VIII	11 ^h 13 ^m	5 VIII	22.1 ^h	Wenus	2°S
pierwsza kwadra:	12 VIII	15 ^h 19 ^m	6 VIII	0.1 ^h	Merkury	8°S
pełnia:	19 VIII	18 ^h 26 ^m	21 VIII	3.1 ^h	Saturn	0.5°S
ostatnia kwadra:	26 VIII	9 ^h 26 ^m	21 VIII	22.4 ^h	Neptun	0.7°S
			26 VIII	0.1 ^h	Uran	4°S
apogeum:	9 VIII	1 ^h 33 ^m	28 VIII	0.4 ^h	Mars	5°S
perygeum:	21 VIII	5 ^h 04 ^m				