

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
WRZESIEŃ 2024									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	3 04	10 56	18 31	121	116	9 18 36	19 56.2	29.9	-0.04
2	4 17	11 39	18 45	112	107	10 05 42	15 12.4	29.7	-0.01
3	5 27	12 20	18 56	103	99	10 50 09	9 57.0	29.6	-0.00
4	6 36	12 59	19 07	94	90	11 32 47	4 23.3	29.5	0.01
5	7 44	13 38	19 18	85	81	12 14 30	- 1 17.3	29.4	0.03
6	8 52	14 17	19 29	76	72	12 56 15	- 6 54.2	29.4	0.08
7	10 02	14 58	19 43	67	64	13 38 57	-12 17.2	29.5	0.13
8	11 13	15 41	20 00	59	56	14 23 33	-17 15.6	29.6	0.20
9	12 27	16 29	20 22	51	49	15 10 53	-21 37.5	29.8	0.29
10	13 40	17 20	20 54	46	44	16 01 36	-25 09.1	30.1	0.38
11	14 48	18 14	21 39	42	42	16 55 57	-27 34.9	30.5	0.48
12	15 46	19 12	22 40	42	42	17 53 32	-28 39.2	30.9	0.58
13	16 31	20 11	—	45	—	18 53 17	-28 09.1	31.4	0.68
14	17 05	21 09	0 03	52	47	19 53 34	-25 58.0	31.9	0.78
15	17 29	22 04	1 23	60	54	20 52 55	-22 08.6	32.4	0.86
16	17 48	22 58	2 53	71	64	21 50 24	-16 52.7	32.9	0.93
17	18 04	23 50	4 24	82	75	22 45 54	-10 30.0	33.2	0.98
18	18 19	—	5 54	93	87	23 39 59	- 3 25.4	33.4	1.00
19	18 34	0 41	7 24	105	99	0 33 35	3 53.2	33.4	-0.99
20	18 52	1 34	8 54	115	111	1 27 48	10 56.7	33.3	-0.95
21	19 14	2 28	10 25	125	121	2 23 36	17 17.1	32.9	-0.88
22	19 43	3 24	11 54	132	130	3 21 33	22 29.3	32.5	-0.79
23	20 24	4 23	13 16	137	136	4 21 30	26 13.5	32.0	-0.69
24	21 18	5 22	14 25	138	138	5 22 29	28 17.2	31.5	-0.59
25	22 24	6 20	15 17	136	137	6 22 54	28 37.9	31.1	-0.48
26	23 38	7 16	15 54	131	132	7 21 07	27 22.4	30.6	-0.38
27	—	8 07	16 20	—	126	8 15 57	24 44.3	30.3	-0.28
28	0 53	8 55	16 38	123	118	9 07 01	21 00.3	30.0	-0.20
29	2 06	9 38	16 53	115	110	9 54 35	16 27.0	29.8	-0.13
30	3 17	10 19	17 05	106	101	10 39 20	11 19.1	29.6	-0.07

nów:	3 IX	1 ^h 55 ^m	1 IX	9.3 ^h	Merkury	5°S
pierwsza kwadra:	11 IX	6 ^h 06 ^m	5 IX	10.3 ^h	Wenus	1°N
pełnia:	18 IX	2 ^h 35 ^m	17 IX	10.4 ^h	Saturn	0.3°S
ostatnia kwadra:	24 IX	18 ^h 50 ^m	18 IX	7.6 ^h	Neptun	0.7°S
			22 IX	7.3 ^h	Uran	4.5°S
apogeum:	5 IX	14 ^h 53 ^m	23 IX	23.4 ^h	Jowisz	6°S
perygeum:	18 IX	13 ^h 26 ^m	25 IX	11.9 ^h	Mars	5°S