

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
WRZESIEŃ 2016									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	5 13	12 05	18 47	103	100	10 24 39	9 07.9	30.5	-0.00
2	6 18	12 51	19 13	97	94	11 13 24	5 26.9	30.2	0.00
3	7 22	13 35	19 37	90	87	12 00 42	1 35.7	30.0	0.03
4	8 26	14 18	20 01	84	81	12 47 03	-2 15.7	29.8	0.07
5	9 28	15 01	20 27	78	76	13 32 58	-5 58.4	29.6	0.12
6	10 29	15 45	20 54	73	71	14 18 59	-9 24.5	29.5	0.19
7	11 29	16 29	21 25	68	67	15 05 34	-12 26.9	29.5	0.27
8	12 27	17 15	21 59	64	63	15 53 08	-14 58.7	29.6	0.36
9	13 24	18 03	22 40	62	61	16 41 59	-16 53.5	29.7	0.45
10	14 17	18 52	23 27	60	60	17 32 19	-18 04.8	30.0	0.55
11	15 06	19 43	—	61	—	18 24 06	-18 26.9	30.3	0.65
12	15 51	20 34	0 21	63	61	19 17 11	-17 54.8	30.7	0.74
13	16 31	21 27	1 22	66	64	20 11 16	-16 26.1	31.2	0.83
14	17 07	22 20	2 29	71	68	21 06 02	-14 01.2	31.6	0.90
15	17 40	23 13	3 41	78	74	22 01 11	-10 44.6	32.1	0.96
16	18 11	—	4 57	85	81	22 56 36	-6 45.4	32.5	0.99
17	18 42	0 07	6 14	92	88	23 52 18	-2 17.1	32.8	-1.00
18	19 13	1 01	7 33	99	96	0 48 27	2 23.3	33.0	-0.98
19	19 47	1 56	8 52	106	103	1 45 16	6 56.4	33.0	-0.93
20	20 24	2 52	10 09	112	110	2 42 55	11 03.1	32.9	-0.86
21	21 06	3 49	11 24	116	115	3 41 21	14 25.9	32.7	-0.76
22	21 54	4 46	12 32	119	118	4 40 18	16 51.6	32.4	-0.66
23	22 49	5 43	13 34	119	119	5 39 10	18 12.2	32.1	-0.55
24	23 49	6 39	14 27	118	119	6 37 15	18 25.5	31.7	-0.44
25	—	7 33	15 11	—	116	7 33 52	17 34.8	31.3	-0.33
26	0 52	8 25	15 49	115	112	8 28 32	15 47.4	31.0	-0.23
27	1 57	9 14	16 22	110	107	9 21 01	13 13.5	30.7	-0.15
28	3 03	10 02	16 50	105	102	10 11 25	10 03.9	30.4	-0.09
29	4 08	10 47	17 16	99	96	11 00 01	6 29.9	30.2	-0.04
30	5 12	11 31	17 40	93	90	11 47 13	2 42.0	29.9	-0.01

nów:	1 IX	9 ^h 03 ^m	2 IX	17.5 ^h	Merkury	6°S
pierwsza kwadra:	9 IX	11 ^h 49 ^m	2 IX	22.0 ^h	Jowisz	0.4°S
pełnia:	16 IX	19 ^h 05 ^m	3 IX	10.6 ^h	Wenus	1°S
ostatnia kwadra:	23 IX	9 ^h 56 ^m	8 IX	21.0 ^h	Saturn	4°S
			9 IX	13.9 ^h	Mars	8°S
			15 IX	20.5 ^h	Neptun	1°S
			18 IX	16.8 ^h	Uran	3°N
apogeum:	6 IX	18 ^h 45 ^m	29 IX	10.7 ^h	Merkury	0.7°N
perygeum:	18 IX	17 ^h 01 ^m	30 IX	21.4 ^h	Jowisz	0.1°S