

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _W	A _Z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
KWIECIEŃ 2016									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	2 02	6 42	11 25	62	63	19 07 02	-17 42.6	30.8	-0.46
2	2 45	7 34	12 29	64	66	20 01 23	-16 14.3	31.3	-0.36
3	3 24	8 28	13 39	69	71	20 56 29	-13 49.7	31.8	-0.26
4	3 59	9 22	14 53	74	77	21 52 08	-10 32.9	32.3	-0.17
5	4 32	10 16	16 11	81	84	22 48 18	-6 32.4	32.8	-0.09
6	5 03	11 11	17 31	88	92	23 45 04	-2 01.5	33.2	-0.03
7	5 35	12 07	18 52	96	100	0 42 36	2 42.3	33.4	-0.00
8	6 09	13 04	20 13	103	107	1 41 04	7 18.2	33.4	0.00
9	6 45	14 03	21 31	109	113	2 40 28	11 24.8	33.3	0.04
10	7 27	15 01	22 43	114	117	3 40 32	14 43.3	33.0	0.10
11	8 14	15 59	23 48	118	119	4 40 43	17 00.1	32.6	0.18
12	9 07	16 56	—	119	—	5 40 12	18 08.6	32.1	0.27
13	10 04	17 51	0 44	118	119	6 38 10	18 09.5	31.6	0.38
14	11 06	18 42	1 32	116	117	7 33 58	17 08.9	31.1	0.48
15	12 08	19 31	2 11	112	114	8 27 17	15 16.0	30.7	0.59
16	13 12	20 18	2 45	107	109	9 18 10	12 41.6	30.3	0.68
17	14 15	21 03	3 14	102	104	10 06 52	9 36.0	30.0	0.77
18	15 17	21 46	3 40	96	99	10 53 53	6 08.9	29.8	0.85
19	16 19	22 28	4 05	90	93	11 39 43	2 29.1	29.6	0.91
20	17 20	23 11	4 29	84	87	12 24 57	-1 14.9	29.5	0.96
21	18 21	23 54	4 53	78	81	13 10 06	-4 55.2	29.4	0.99
22	19 22	—	5 18	73	76	13 55 41	-8 23.9	29.4	1.00
23	20 22	0 37	5 46	68	71	14 42 06	-11 33.0	29.4	-0.99
24	21 21	1 22	6 17	64	66	15 29 39	-14 14.8	29.5	-0.97
25	22 18	2 09	6 53	62	63	16 18 32	-16 21.3	29.7	-0.93
26	23 11	2 57	7 34	60	61	17 08 46	-17 45.7	29.9	-0.87
27	0 00	3 46	8 21	—	60	18 00 12	-18 21.9	30.1	-0.80
28	—	4 36	9 15	63	62	18 52 36	-18 05.8	30.4	-0.72
29	0 43	5 27	10 16	63	64	19 45 41	-16 55.2	30.8	-0.62
30	1 22	6 19	11 22	67	68	20 39 11	-14 50.6	31.2	-0.52

nów:	7 IV	11 ^h 24 ^m	5 IV	0.9 ^h	Neptun	2°S
pierwsza kwadra:	14 IV	3 ^h 59 ^m	6 IV	8.6 ^h	Wenus	0.7°S
pełnia:	22 IV	5 ^h 24 ^m	7 IV	13.8 ^h	Uran	2°N
ostatnia kwadra:	30 IV	3 ^h 29 ^m	8 IV	10.7 ^h	Merkury	5°N
			18 IV	4.8 ^h	Jowisz	2°N
perygeum:	7 IV	17 ^h 37 ^m	25 IV	4.3 ^h	Mars	5°S
apogeum:	21 IV	16 ^h 06 ^m	25 IV	19.1 ^h	Mars	3°S