

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
CZERWIEC 2011									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	3 23	11 37	19 57	126	128	3 49 30	22 12.1	30.2	-0.01
2	4 10	12 30	20 51	128	128	4 43 58	23 17.2	30.5	0.00
3	5 06	13 25	21 37	127	125	5 39 49	23 10.5	30.8	0.01
4	6 12	14 19	22 14	124	121	6 36 03	21 48.7	31.0	0.05
5	7 24	15 11	22 45	119	115	7 31 39	19 14.4	31.3	0.10
6	8 39	16 03	23 11	112	108	8 26 03	15 35.8	31.6	0.18
7	9 56	16 53	23 34	104	99	9 19 05	11 05.0	31.8	0.27
8	11 14	17 42	23 56	95	91	10 11 05	5 56.5	32.0	0.38
9	12 32	18 32	—	86	—	11 02 45	0 26.0	32.2	0.49
10	13 52	19 23	0 18	77	82	11 54 54	- 5 09.4	32.4	0.61
11	15 13	20 16	0 41	68	73	12 48 27	-10 31.4	32.5	0.72
12	16 34	21 12	1 08	61	65	13 44 08	-15 20.4	32.5	0.81
13	17 53	22 11	1 42	55	59	14 42 17	-19 15.9	32.5	0.90
14	19 04	23 10	2 23	52	54	15 42 37	-21 59.4	32.4	0.96
15	20 04	—	3 15	52	52	16 44 04	-23 17.6	32.2	0.99
16	20 52	0 10	4 17	55	53	17 45 04	-23 06.2	31.9	-1.00
17	21 29	1 07	5 27	59	56	18 44 01	-21 31.1	31.5	-0.98
18	21 59	2 00	6 39	65	61	19 39 49	-18 45.7	31.1	-0.94
19	22 22	2 50	7 51	72	68	20 32 07	-15 07.4	30.7	-0.89
20	22 42	3 36	9 01	80	75	21 21 11	-10 53.2	30.3	-0.82
21	23 01	4 20	10 08	87	83	22 07 40	- 6 17.7	30.0	-0.73
22	23 18	5 02	11 14	95	91	22 52 25	- 1 33.1	29.8	-0.64
23	23 36	5 43	12 19	102	99	23 36 19	3 10.9	29.6	-0.55
24	23 56	6 24	13 25	109	106	0 20 16	7 45.8	29.6	-0.45
25	—	7 06	14 30	—	113	1 05 07	12 03.3	29.6	-0.36
26	0 18	7 51	15 36	115	119	1 51 38	15 54.5	29.7	-0.27
27	0 45	8 38	16 42	121	124	2 40 25	19 09.2	29.9	-0.19
28	1 19	9 28	17 45	125	127	3 31 48	21 36.2	30.2	-0.12
29	2 02	10 21	18 42	127	128	4 25 42	23 03.6	30.5	-0.06
30	2 55	11 15	19 32	128	127	5 21 36	23 21.2	30.8	-0.02

nów: 1 VI 21^h03^m 10 VI 21.4^h Saturn 8°N
 pierwsza kwadra: 9 VI 2^h11^m 21 VI 2.5^h Neptun 6°S
 pełnia: 15 VI 20^h14^m 23 VI 22.6^h Uran 6°S
 ostatnia kwadra: 23 VI 11^h48^m

perygeum: 12 VI 1^h43^m
 apogeum: 24 VI 4^h14^m