

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _W	A _Z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
SIERPIEŃ 2014									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	10 15	16 02	21 41	83	80	12 11 56	- 3 00.2	29.8	0.22
2	11 19	16 47	22 07	77	74	12 58 27	- 6 48.2	30.1	0.30
3	12 24	17 34	22 38	71	69	13 46 36	-10 23.2	30.5	0.40
4	13 31	18 25	23 13	66	64	14 37 03	-13 34.9	30.9	0.50
5	14 36	19 18	23 57	62	61	15 30 16	-16 11.7	31.4	0.60
6	15 40	20 15	—	60	—	16 26 29	-18 00.5	31.9	0.71
7	16 39	21 14	0 49	60	60	17 25 29	-18 48.3	32.4	0.80
8	17 31	22 15	1 51	62	61	18 26 32	-18 24.8	32.8	0.89
9	18 17	23 15	3 03	67	64	19 28 33	-16 45.8	33.2	0.95
10	18 56	—	4 21	73	69	20 30 18	-13 55.4	33.4	0.99
11	19 30	0 14	5 42	80	76	21 30 51	-10 06.7	33.5	-1.00
12	20 02	1 11	7 03	87	83	22 29 41	- 5 38.8	33.3	-0.98
13	20 32	2 06	8 22	95	91	23 26 47	- 0 53.5	33.0	-0.92
14	21 02	2 59	9 40	102	99	0 22 25	3 48.1	32.6	-0.85
15	21 33	3 52	10 54	108	105	1 16 57	8 08.6	32.1	-0.76
16	22 07	4 43	12 04	113	111	2 10 45	11 54.2	31.6	-0.66
17	22 45	5 34	13 10	117	116	3 04 05	14 55.2	31.1	-0.56
18	23 27	6 25	14 11	119	118	3 57 01	17 05.6	30.6	-0.45
19	—	7 15	15 05	—	120	4 49 30	18 22.3	30.3	-0.35
20	0 14	8 04	15 53	120	119	5 41 19	18 44.8	29.9	-0.26
21	1 06	8 52	16 34	119	118	6 32 15	18 15.0	29.7	-0.18
22	2 02	9 39	17 10	117	115	7 22 04	16 56.7	29.5	-0.11
23	3 00	10 25	17 41	113	110	8 10 41	14 55.0	29.4	-0.06
24	4 00	11 09	18 09	108	105	8 58 07	12 16.6	29.4	-0.02
25	5 01	11 53	18 34	103	100	9 44 32	9 08.3	29.4	-0.00
26	6 02	12 35	18 58	97	94	10 30 15	5 38.0	29.5	0.00
27	7 04	13 18	19 22	91	88	11 15 38	1 53.5	29.6	0.02
28	8 07	14 01	19 46	85	82	12 01 12	- 1 57.0	29.7	0.05
29	9 11	14 46	20 12	79	76	12 47 27	- 5 45.1	29.9	0.10
30	10 15	15 32	20 41	73	71	13 34 57	- 9 21.8	30.2	0.17
31	11 20	16 20	21 14	68	66	14 24 13	-12 37.2	30.5	0.25

pierwsza kwadra:	4 VIII	0 ^h 50 ^m	3 VIII	10.1 ^h	Mars	2°S
pełnia:	10 VIII	18 ^h 09 ^m	4 VIII	10.5 ^h	Saturn	0.1°N
ostatnia kwadra:	17 VIII	12 ^h 26 ^m	12 VIII	2.1 ^h	Neptun	4.5°S
nów:	25 VIII	14 ^h 13 ^m	14 VIII	17.0 ^h	Uran	1°S
			23 VIII	16.8 ^h	Jowisz	5.5°N
			24 VIII	5.9 ^h	Wenus	6°N
perygeum:	10 VIII	17 ^h 44 ^m	27 VIII	5.6 ^h	Merkury	3°N
apogeum:	24 VIII	6 ^h 08 ^m	31 VIII	21.4 ^h	Saturn	0.1°S
			31 VIII	23.8 ^h	Mars	4.1°S