

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
STYCZEŃ 2014									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	7 28	12 04	16 44	60	61	18 16 01	-19 05.1	33.4	-0.00
2	8 17	13 06	18 02	64	66	19 19 55	-17 16.7	33.5	0.01
3	8 57	14 05	19 22	70	72	20 22 04	-14 15.2	33.4	0.04
4	9 31	15 01	20 41	76	80	21 21 33	-10 19.1	33.1	0.10
5	10 01	15 54	21 58	84	87	22 18 11	- 5 50.2	32.7	0.18
6	10 28	16 44	23 12	91	95	23 12 18	- 1 09.0	32.2	0.27
7	10 55	17 33	—	98	—	0 04 32	3 26.9	31.7	0.38
8	11 22	18 21	0 23	105	102	0 55 33	7 43.8	31.2	0.49
9	11 51	19 09	1 32	111	108	1 46 01	11 31.1	30.8	0.59
10	12 24	19 57	2 37	115	114	2 36 23	14 40.7	30.4	0.69
11	13 00	20 46	3 39	119	118	3 26 56	17 06.1	30.1	0.77
12	13 41	21 34	4 37	121	120	4 17 42	18 42.4	29.8	0.85
13	14 28	22 22	5 29	121	121	5 08 32	19 26.9	29.6	0.91
14	15 20	23 10	6 14	120	120	5 59 08	19 18.6	29.5	0.96
15	16 17	23 57	6 54	117	118	6 49 07	18 19.2	29.4	0.99
16	17 16	—	7 29	113	115	7 38 12	16 32.5	29.4	1.00
17	18 17	0 42	7 59	108	111	8 26 13	14 03.9	29.4	-0.99
18	19 19	1 26	8 26	103	105	9 13 12	11 00.6	29.5	-0.97
19	20 22	2 10	8 50	96	99	9 59 22	7 30.0	29.6	-0.93
20	21 26	2 53	9 14	90	93	10 45 09	3 40.1	29.8	-0.87
21	22 31	3 36	9 37	83	87	11 31 03	- 0 20.9	30.0	-0.80
22	23 37	4 21	10 01	77	80	12 17 43	- 4 24.7	30.3	-0.72
23	—	5 07	10 27	—	74	13 05 51	- 8 22.0	30.7	-0.63
24	0 45	5 55	10 58	71	68	13 56 10	-12 02.0	31.1	-0.52
25	1 54	6 47	11 34	65	64	14 49 16	-15 12.2	31.6	-0.42
26	3 03	7 42	12 18	61	60	15 45 33	-17 38.3	32.1	-0.31
27	4 09	8 41	13 12	59	59	16 44 55	-19 05.1	32.5	-0.21
28	5 10	9 42	14 16	59	60	17 46 44	-19 19.6	33.0	-0.12
29	6 03	10 43	15 30	62	63	18 49 46	-18 14.2	33.3	-0.06
30	6 48	11 44	16 49	66	69	19 52 34	-15 50.6	33.4	-0.01
31	7 26	12 43	18 10	72	76	20 53 54	-12 20.4	33.4	0.00

nów:	1	11 ^h 14 ^m	1	15.7 ^h	Merkury	7°S
pierwsza kwadra:	8	3 ^h 39 ^m	2	11.8 ^h	Wenus	2°S
pełnia:	16	4 ^h 52 ^m	5	1.7 ^h	Neptun	5°S
ostatnia kwadra:	24	5 ^h 19 ^m	7	13.5 ^h	Uran	3°S
nów:	30	21 ^h 39 ^m	15	6.2 ^h	Jowisz	5°N
			23	6.6 ^h	Mars	4°N
perygeum:	1	21 ^h 00 ^m	25	14.0 ^h	Saturn	0.6°N
apogeum:	16	1 ^h 52 ^m				
perygeum:	30	9 ^h 57 ^m				