

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _W	A _Z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
STYCZEŃ 2012									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	11 14	18 09	0 13	104	101	0 18 27	7 15.2	29.7	0.48
2	11 35	18 53	1 18	111	108	1 03 34	11 25.3	29.6	0.57
3	12 00	19 37	2 22	116	114	1 49 43	15 07.9	29.5	0.66
4	12 30	20 24	3 26	121	120	2 37 30	18 14.8	29.6	0.75
5	13 06	21 13	4 28	125	124	3 27 13	20 36.9	29.7	0.83
6	13 50	22 04	5 26	126	126	4 18 55	22 05.4	29.9	0.89
7	14 43	22 57	6 19	126	126	5 12 16	22 32.1	30.2	0.95
8	15 45	23 49	7 04	123	124	6 06 37	21 51.6	30.5	0.98
9	16 54	—	7 43	119	121	7 01 11	20 02.8	30.8	1.00
10	18 07	0 41	8 15	113	115	7 55 12	17 09.4	31.1	-0.99
11	19 21	1 32	8 43	105	108	8 48 16	13 19.7	31.4	-0.97
12	20 37	2 21	9 07	97	101	9 40 21	8 46.0	31.6	-0.92
13	21 54	3 10	9 30	88	92	10 31 44	3 42.6	31.8	-0.85
14	23 11	4 00	9 53	79	84	11 23 03	- 1 34.8	32.0	-0.76
15	—	4 49	10 16	—	76	12 15 02	- 6 49.7	32.1	-0.66
16	0 29	5 41	10 43	71	68	13 08 26	-11 45.1	32.2	-0.54
17	1 47	6 35	11 15	64	62	14 03 55	-16 03.1	32.3	-0.43
18	3 04	7 32	11 54	58	56	15 01 43	-19 26.3	32.3	-0.32
19	4 16	8 31	12 43	54	54	16 01 34	-21 38.7	32.3	-0.22
20	5 19	9 30	13 42	53	54	17 02 34	-22 29.2	32.2	-0.13
21	6 12	10 29	14 49	55	56	18 03 19	-21 54.1	32.0	-0.07
22	6 54	11 25	16 02	59	61	19 02 25	-19 58.8	31.8	-0.02
23	7 27	12 18	17 17	65	67	19 58 51	-16 55.8	31.5	-0.00
24	7 55	13 07	18 30	72	75	20 52 13	-13 02.3	31.2	0.01
25	8 18	13 54	19 41	79	82	21 42 40	- 8 35.8	30.8	0.03
26	8 39	14 38	20 49	86	90	22 30 45	- 3 52.7	30.5	0.08
27	8 58	15 21	21 56	94	98	23 17 10	0 53.3	30.2	0.14
28	9 18	16 04	23 02	101	105	0 02 42	5 30.9	29.9	0.22
29	9 39	16 47	—	108	—	0 48 05	9 50.7	29.7	0.30
30	10 03	17 31	0 07	114	112	1 34 03	13 44.5	29.6	0.39
31	10 30	18 17	1 11	119	117	2 21 11	17 04.4	29.6	0.49

pierwsza kwadra:	1 l	6 ^h 15 ^m		3 l	2.8 ^h	Jowisz	5°S
pełnia:	9 l	7 ^h 30 ^m		14 l	6.9 ^h	Mars	9°N
ostatnia kwadra:	16 l	9 ^h 08 ^m		16 l	18.8 ^h	Saturn	6°N
nów:	23 l	7 ^h 39 ^m		22 l	13.6 ^h	Merkury	5°S
pierwsza kwadra:	31 l	4 ^h 10 ^m		25 l	12.5 ^h	Neptun	6°S
				26 l	18.8 ^h	Wenus	7°S
apogeum:	3 l	20 ^h 20 ^m		27 l	22.0 ^h	Uran	6°S
perygeum:	17 l	21 ^h 29 ^m		30 l	12.1 ^h	Jowisz	4°S
apogeum:	30 l	17 ^h 43 ^m					