

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
STYCZEŃ 2009									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	10 17	15 49	21 34	78	82	22 04 53	- 9 50.7	30.0	0.17
2	10 31	16 31	22 46	87	91	22 49 43	- 4 23.5	30.3	0.25
3	10 45	17 14	—	96	—	23 34 47	1 20.2	30.7	0.35
4	11 00	18 00	0 00	105	110	0 21 08	7 08.9	31.1	0.45
5	11 18	18 49	1 17	114	111	1 10 01	12 48.7	31.6	0.56
6	11 42	19 43	2 39	122	120	2 02 36	18 02.0	32.0	0.66
7	12 14	20 43	4 04	129	127	2 59 54	22 26.1	32.5	0.77
8	13 00	21 48	5 27	134	133	4 02 10	25 34.3	32.9	0.86
9	14 03	22 55	6 40	135	135	5 08 26	27 00.4	33.2	0.93
10	15 24	—	7 38	131	133	6 16 18	26 27.6	33.4	0.98
11	16 53	0 00	8 20	124	127	7 22 48	23 56.2	33.4	1.00
12	18 24	1 02	8 49	115	118	8 25 35	19 44.6	33.2	-0.99
13	19 50	1 58	9 11	105	109	9 23 45	14 21.8	32.9	-0.95
14	21 12	2 49	9 29	94	99	10 17 35	8 18.7	32.4	-0.89
15	22 30	3 37	9 45	84	89	11 08 05	2 01.9	31.9	-0.81
16	23 46	4 22	10 00	74	80	11 56 28	- 4 07.7	31.3	-0.71
17	—	5 07	10 16	—	71	12 43 52	- 9 54.3	30.8	-0.61
18	1 00	5 52	10 34	66	63	13 31 21	-15 05.7	30.4	-0.51
19	2 13	6 38	10 55	58	55	14 19 42	-19 31.9	30.0	-0.41
20	3 24	7 26	11 22	52	50	15 09 26	-23 03.6	29.8	-0.32
21	4 30	8 15	11 57	47	46	16 00 40	-25 32.6	29.6	-0.24
22	5 29	9 06	12 42	45	45	16 53 08	-26 52.3	29.5	-0.16
23	6 18	9 57	13 37	45	46	17 46 07	-26 58.4	29.4	-0.10
24	6 57	10 46	14 41	48	49	18 38 43	-25 50.6	29.5	-0.05
25	7 27	11 35	15 50	53	55	19 30 08	-23 32.7	29.5	-0.02
26	7 50	12 21	17 01	60	62	20 19 49	-20 12.2	29.7	-0.00
27	8 09	13 05	18 13	67	70	21 07 39	-15 59.0	29.8	0.00
28	8 24	13 48	19 25	75	79	21 53 55	-11 04.3	30.0	0.03
29	8 39	14 31	20 37	84	89	22 39 10	- 5 39.9	30.3	0.07
30	8 53	15 13	21 49	93	98	23 24 12	0 02.4	30.5	0.13
31	9 07	15 57	23 05	102	108	0 09 59	5 49.9	30.8	0.20

I kwadra:	4 I	11 ^h 56 ^m	2 I	17.2 ^h	Uran	5°S
pełnia:	11 I	3 ^h 27 ^m	15 I	12.0 ^h	Saturn	6°N
III kwadra:	18 I	2 ^h 46 ^m	25 I	7.6 ^h	Merkury	5°N
nów:	26 I	7 ^h 55 ^m	25 I	2.4 ^h	Mars	0.7°N
			26 I	4.6 ^h	Jowisz	0.03°S
perygeum:	10 I	10 ^h 53 ^m	27 I	18.3 ^h	Neptun	2°S
apogeum:	23 I	0 ^h 12 ^m	30 I	0.7 ^h	Uran	5°S
			30 I	11.6 ^h	Wenus	3°S