

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
MARZEC 2011									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	5 02	9 40	14 27	62	64	19 55 39	-18 26.5	30.1	-0.13
2	5 26	10 25	15 34	68	71	20 44 21	-14 47.2	29.8	-0.07
3	5 46	11 08	16 41	75	78	21 30 47	-10 34.3	29.6	-0.03
4	6 04	11 50	17 47	82	86	22 15 31	- 5 59.6	29.5	-0.01
5	6 21	12 30	18 52	90	94	22 59 12	- 1 13.6	29.4	0.00
6	6 38	13 11	19 57	97	101	23 42 33	3 33.5	29.4	0.01
7	6 55	13 52	21 03	105	109	0 26 16	8 12.1	29.4	0.04
8	7 15	14 35	22 09	112	115	1 11 01	12 32.8	29.5	0.09
9	7 39	15 20	23 15	118	121	1 57 26	16 25.5	29.6	0.15
10	8 07	16 08	—	123	—	2 46 00	19 40.0	29.8	0.22
11	8 43	16 59	0 19	127	126	3 36 59	22 05.3	30.1	0.31
12	9 28	17 51	1 20	129	128	4 30 24	23 30.6	30.4	0.40
13	10 24	18 46	2 15	128	129	5 25 50	23 46.3	30.8	0.50
14	11 30	19 41	3 02	125	126	6 22 36	22 45.3	31.3	0.61
15	12 45	20 37	3 41	120	122	7 19 52	20 25.3	31.8	0.71
16	14 06	21 31	4 13	112	115	8 16 56	16 49.5	32.4	0.81
17	15 29	22 25	4 40	103	107	9 13 25	12 07.5	32.8	0.89
18	16 55	23 19	5 04	94	98	10 09 21	6 34.9	33.2	0.95
19	18 21	—	5 27	83	89	11 05 08	0 32.6	33.5	0.99
20	19 48	0 13	5 51	74	79	12 01 20	- 5 34.7	33.5	-1.00
21	21 14	1 08	6 17	65	70	12 58 33	-11 20.7	33.4	-0.97
22	22 37	2 05	6 47	58	62	13 57 06	-16 19.9	33.1	-0.92
23	23 53	3 04	7 23	53	56	14 56 55	-20 11.1	32.7	-0.85
24	—	4 02	8 08	—	52	15 57 19	-22 40.0	32.2	-0.76
25	0 58	5 00	9 02	51	51	16 57 12	-23 41.2	31.6	-0.66
26	1 51	5 56	10 04	52	53	17 55 22	-23 17.8	31.1	-0.55
27	2 32	6 49	11 11	55	57	18 50 53	-21 39.6	30.7	-0.45
28	3 05	7 38	12 19	60	62	19 43 19	-18 59.5	30.3	-0.35
29	3 30	8 24	13 27	66	69	20 32 44	-15 31.5	30.0	-0.26
30	3 51	9 07	14 33	73	76	21 19 36	-11 28.3	29.7	-0.18
31	4 10	9 49	15 39	80	84	22 04 33	- 7 01.5	29.5	-0.11

nów:	4 III	20 ^h 46 ^m	1 III	3.7 ^h	Wenus	2°S
pierwsza kwadra:	12 III	23 ^h 45 ^m	3 III	18.3 ^h	Neptun	5°S
pełnia:	19 III	18 ^h 10 ^m	4 III	12.6 ^h	Mars	6°S
ostatnia kwadra:	26 III	12 ^h 07 ^m	5 III	19.2 ^h	Merkury	7°S
			6 III	9.6 ^h	Uran	6°S
apogeum:	6 III	7 ^h 51 ^m	7 III	5.1 ^h	Jowisz	7°S
peryeum:	19 III	19 ^h 10 ^m	21 III	0.3 ^h	Saturn	8°N
			31 III	21.4 ^h	Wenus	7°S