

KSIĘZYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
LUTY 2016									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	0 50	6 04	11 11	72	70	14 35 09	-11 10.1	29.7	-0.52
2	1 51	6 49	11 43	68	66	15 22 57	-13 56.0	29.9	-0.42
3	2 50	7 37	12 20	64	63	16 12 38	-16 08.1	30.1	-0.33
4	3 49	8 27	13 04	61	61	17 04 26	-17 38.1	30.5	-0.24
5	4 44	9 20	13 57	61	61	17 58 19	-18 17.2	30.9	-0.15
6	5 35	10 14	14 57	62	62	18 53 59	-17 58.4	31.4	-0.09
7	6 20	11 09	16 04	64	66	19 50 50	-16 37.6	31.8	-0.03
8	7 00	12 05	17 17	69	71	20 48 09	-14 15.6	32.2	-0.01
9	7 36	13 00	18 33	75	77	21 45 21	-10 59.0	32.5	0.00
10	8 09	13 54	19 50	81	85	22 42 03	- 6 59.7	32.7	0.03
11	8 40	14 48	21 08	88	92	23 38 08	- 2 33.7	32.8	0.08
12	9 11	15 42	22 25	96	99	0 33 48	2 01.1	32.8	0.15
13	9 42	16 35	23 40	103	106	1 29 21	6 26.6	32.6	0.25
14	10 16	17 29	—	109	—	2 25 06	10 26.4	32.4	0.35
15	10 54	18 24	0 53	114	112	3 21 14	13 46.4	32.1	0.46
16	11 36	19 18	2 02	117	116	4 17 47	16 15.4	31.8	0.58
17	12 25	20 13	3 05	119	118	5 14 27	17 46.1	31.5	0.68
18	13 19	21 06	4 01	119	119	6 10 45	18 15.3	31.2	0.78
19	14 18	21 58	4 50	117	118	7 06 07	17 44.0	31.0	0.86
20	15 20	22 48	5 32	113	115	8 00 01	16 17.2	30.7	0.92
21	16 24	23 36	6 08	109	111	8 52 08	14 02.7	30.4	0.97
22	17 28	—	6 39	104	106	9 42 20	11 10.4	30.2	0.99
23	18 31	0 22	7 06	98	100	10 30 47	7 50.7	30.0	-1.00
24	19 34	1 06	7 32	92	95	11 17 45	4 13.8	29.8	-0.99
25	20 36	1 50	7 56	86	89	12 03 42	0 29.5	29.6	-0.95
26	21 37	2 32	8 20	80	83	12 49 06	- 3 13.6	29.5	-0.91
27	22 38	3 15	8 45	74	77	13 34 31	- 6 47.5	29.5	-0.84
28	23 38	3 58	9 12	69	72	14 20 26	-10 04.8	29.5	-0.77
29	—	4 43	9 42	—	68	15 07 22	-12 58.3	29.6	-0.69

ostatnia kwadra:	1 II	3 ^h 28 ^m		1 II	8.9 ^h	Mars	3°S
nów:	8 II	14 ^h 39 ^m		3 II	18.8 ^h	Saturn	4°S
pierwsza kwadra:	15 II	7 ^h 46 ^m		6 II	7.6 ^h	Wenus	4°S
pełnia:	22 II	18 ^h 20 ^m		6 II	16.8 ^h	Merkury	4°S
				10 II	0.4 ^h	Neptun	2°S
				12 II	13.8 ^h	Uran	2°N
perygeum:	11 II	2 ^h 43 ^m		24 II	4.1 ^h	Jowisz	2°N
apogeum:	27 II	3 ^h 29 ^m		29 II	21.4 ^h	Mars	3°S