

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
LUTY 2024									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	—	4 37	9 56	—	74	13 12 28	- 7 51.3	29.7	-0.69
2	0 16	5 19	10 10	69	65	13 56 27	-13 12.8	30.0	-0.60
3	1 30	6 04	10 28	60	57	14 43 12	-18 10.2	30.3	-0.50
4	2 47	6 53	10 52	53	50	15 33 44	-22 28.8	30.7	-0.40
5	4 05	7 48	11 26	46	45	16 28 48	-25 49.8	31.2	-0.30
6	5 18	8 47	12 15	43	42	17 28 24	-27 51.9	31.7	-0.21
7	6 20	9 50	13 23	43	44	18 31 30	-28 14.4	32.3	-0.12
8	7 06	10 53	14 47	47	49	19 36 02	-26 44.3	32.7	-0.06
9	7 40	11 54	16 20	54	57	20 39 37	-23 22.0	33.1	-0.02
10	8 04	12 51	17 53	64	68	21 40 30	-18 22.7	33.3	0.00
11	8 23	13 45	19 24	74	79	22 38 05	-12 11.9	33.4	0.02
12	8 38	14 36	20 52	85	91	23 32 43	- 5 19.7	33.2	0.06
13	8 53	15 26	22 18	97	103	0 25 25	1 44.5	33.0	0.13
14	9 09	16 16	23 43	107	113	1 17 20	8 34.4	32.6	0.22
15	9 26	17 07	—	117	—	2 09 35	14 47.8	32.1	0.33
16	9 48	17 59	1 07	125	123	3 03 02	20 06.1	31.7	0.43
17	10 16	18 54	2 29	132	130	3 58 07	24 14.1	31.2	0.54
18	10 55	19 49	3 44	136	135	4 54 40	27 00.2	30.8	0.64
19	11 45	20 44	4 48	137	137	5 51 53	28 17.6	30.5	0.74
20	12 47	21 37	5 38	136	136	6 48 32	28 05.6	30.1	0.82
21	13 56	22 27	6 15	131	133	7 43 21	26 29.7	29.9	0.89
22	15 08	23 14	6 41	124	127	8 35 27	23 40.7	29.7	0.94
23	16 20	23 57	7 01	117	120	9 24 31	19 51.8	29.6	0.98
24	17 31	—	7 17	108	112	10 10 44	15 17.1	29.5	1.00
25	18 40	0 38	7 30	99	103	10 54 40	10 09.9	29.4	-1.00
26	19 47	1 18	7 41	90	94	11 37 04	4 42.0	29.4	-0.98
27	20 55	1 57	7 52	81	86	12 18 48	- 0 55.4	29.5	-0.95
28	22 05	2 36	8 03	72	77	13 00 47	- 6 32.2	29.6	-0.90
29	23 17	3 16	8 16	63	68	13 44 00	-11 58.0	29.7	-0.83

ostatnia kwadra:	2 II	23 ^h 18 ^m		7 II	18.9 ^h	Wenus	5°N
nów:	9 II	22 ^h 59 ^m		8 II	6.6 ^h	Mars	4°N
pierwsza kwadra:	16 II	15 ^h 01 ^m		8 II	22.1 ^h	Merkury	3°N
pełnia:	24 II	12 ^h 30 ^m		11 II	0.7 ^h	Saturn	2°N
				12 II	6.8 ^h	Neptun	0.7°N
perygium:	10 II	18 ^h 54 ^m		15 II	8.3 ^h	Jowisz	3°S
apogeum:	25 II	14 ^h 58 ^m		16 II	2.0 ^h	Uran	3°S