

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
MARZEC 2021									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	20 34	1 46	8 03	87	92	12 18 08	3 15.2	32.6	-0.96
2	21 58	2 36	8 23	77	82	13 10 55	- 2 55.0	32.7	-0.90
3	23 21	3 28	8 44	67	73	14 04 16	- 8 56.0	32.7	-0.83
4	—	4 20	9 08	—	64	14 58 58	-14 25.8	32.5	-0.73
5	0 44	5 16	9 38	59	57	15 55 34	-19 03.8	32.4	-0.62
6	2 04	6 13	10 16	53	51	16 54 07	-22 31.6	32.1	-0.51
7	3 16	7 11	11 04	49	49	17 54 07	-24 35.6	31.9	-0.40
8	4 17	8 10	12 04	49	49	18 54 23	-25 08.7	31.6	-0.29
9	5 05	9 06	13 12	51	52	19 53 32	-24 12.1	31.3	-0.20
10	5 42	10 00	14 25	56	58	20 50 18	-21 54.7	31.1	-0.12
11	6 10	10 50	15 39	62	65	21 44 01	-18 30.7	30.8	-0.06
12	6 32	11 37	16 52	69	73	22 34 36	-14 16.5	30.5	-0.02
13	6 51	12 21	18 03	77	81	23 22 26	- 9 28.5	30.3	-0.00
14	7 07	13 03	19 12	85	90	0 08 11	- 4 21.7	30.0	0.01
15	7 23	13 44	20 19	94	98	0 52 37	0 50.8	29.8	0.03
16	7 39	14 26	21 26	102	106	1 36 32	5 57.3	29.7	0.06
17	7 56	15 07	22 34	109	113	2 20 44	10 47.6	29.5	0.12
18	8 15	15 51	23 41	116	120	3 05 56	15 11.9	29.5	0.18
19	8 39	16 37	—	122	—	3 52 47	19 00.6	29.5	0.26
20	9 08	17 25	0 47	127	126	4 41 43	22 03.8	29.6	0.35
21	9 46	18 15	1 51	130	130	5 32 55	24 11.5	29.8	0.44
22	10 34	19 08	2 49	131	131	6 26 16	25 13.8	30.1	0.54
23	11 33	20 02	3 40	130	131	7 21 11	25 02.7	30.5	0.64
24	12 42	20 55	4 21	126	128	8 16 55	23 33.3	30.9	0.73
25	13 58	21 48	4 55	120	122	9 12 39	20 45.3	31.4	0.82
26	15 19	22 41	5 22	111	115	10 07 45	16 43.9	31.9	0.90
27	16 42	23 32	5 45	102	106	11 02 02	11 39.9	32.4	0.95
28	18 06	—	6 05	92	96	11 55 43	5 48.9	32.8	0.99
29	19 32	0 24	6 25	81	86	12 49 22	- 0 28.6	33.0	-1.00
30	20 58	1 16	6 46	71	76	13 43 45	- 6 49.0	33.2	-0.98
31	22 26	2 10	7 09	62	67	14 39 38	-12 46.9	33.1	-0.93

ostatnia kwadra:	6 III	1 ^h 30 ^m		9 III	23.0 ^h	Saturn	4°N
nów:	13 III	10 ^h 21 ^m		10 III	15.6 ^h	Jowisz	4°N
pierwsza kwadra:	21 III	14 ^h 40 ^m		11 III	1.1 ^h	Merkury	4°N
pełnia:	28 III	18 ^h 48 ^m		13 III	0.3 ^h	Wenus	4°N
				13 III	2.7 ^h	Neptun	4°N
perygeum:	2 III	5 ^h 15 ^m		17 III	1.9 ^h	Uran	3°N
apogeum:	18 III	5 ^h 03 ^m		19 III	17.9 ^h	Mars	2°N
perygeum:	30 III	6 ^h 15 ^m					