KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A_W	A_Z	α	δ	D	F
	λ=0°		φ=50°			0^hUT			
KWIECIEŃ 2023									
	h m	h m	h m	–°	+°	h m s	° '	'	
1	13 13	21 09	4 28	122	124	9 06 33	21 58.9	29.5	0.76
2	14 24	21 52	4 47	114	117	9 54 09	17 58.0	29.6	0.84
3	15 35	22 34	5 03	105	109	10 39 56	13 12.6	29.8	0.90
4	16 46	23 15	5 16	96	100	11 24 30	7 53.1	30.0	0.95
5	17 58	23 57	5 29	86	91	12 08 38	2 10.6	30.2	0.98
6	19 12	—	5 42	77	82	12 53 16	- 3 43.2	30.5	1.00
7	20 29	0 41	5 56	67	73	13 39 20	- 9 34.9	30.8	-0.99
8	21 49	1 27	6 12	58	64	14 27 50	-15 08.7	31.1	-0.96
9	23 11	2 16	6 34	51	55	15 19 38	-20 06.2	31.3	-0.92
10	—	3 11	7 03	—	49	16 15 17	-24 06.9	31.6	-0.85
11	0 30	4 09	7 44	45	44	17 14 42	-26 49.6	31.8	-0.76
12	1 39	5 10	8 41	43	43	18 16 53	-27 56.2	32.0	-0.66
13	2 34	6 11	9 54	45	46	19 20 01	-27 16.4	32.2	-0.54
14	3 14	7 11	11 17	50	52	20 22 03	-24 51.1	32.3	-0.43
15	3 43	8 08	12 45	57	61	21 21 28	-20 52.4	32.4	-0.32
16	4 04	9 01	14 11	67	71	22 17 41	-15 39.4	32.5	-0.22
17	4 22	9 51	15 36	77	81	23 11 02	- 9 34.8	32.4	-0.13
18	4 37	10 40	16 59	87	92	0 02 17	- 3 02.0	32.3	-0.06
19	4 52	11 27	18 21	98	103	0 52 29	3 36.5	32.1	-0.02
20	5 07	12 15	19 43	108	113	1 42 42	9 59.2	31.8	-0.00
21	5 25	13 05	21 04	117	122	2 33 47	15 46.3	31.5	0.01
22	5 47	13 56	22 23	125	129	3 26 21	20 40.1	31.1	0.04
23	6 15	14 49	23 35	131	134	4 20 32	24 25.7	30.7	0.09
24	6 53	15 43	—	135	—	5 15 56	26 52.5	30.4	0.16
25	7 41	16 36	0 38	137	137	6 11 39	27 55.3	30.0	0.24
26	8 40	17 28	1 27	135	136	7 06 34	27 34.6	29.8	0.32
27	9 47	18 17	2 04	131	132	7 59 41	25 56.3	29.6	0.42
28	10 57	19 03	2 32	125	127	8 50 24	23 09.8	29.6	0.51
29	12 08	19 47	2 53	117	120	9 38 40	19 25.7	29.6	0.61
30	13 18	20 29	3 09	109	112	10 24 47	14 54.7	29.7	0.70

pełnia:	6 IV	4^h35^m
ostatnia kwadra:	13 IV	9^h11^m
nów:	20 IV	4^h13^m
pierwsza kwadra:	27 IV	21^h20^m
perygeum:	16 IV	2^h22^m
apogeum:	28 IV	6^h42^m

16 IV	3.9^h	Saturn	4ºN
17 IV	17.5^h	Neptun	2ºN
19 IV	17.6^h	Jowisz	0.1ºS
21 IV	7.2^h	Merkury	2ºN
21 IV	13.1^h	Uran	2ºS
23 IV	13.1^h	Wenus	1.3ºS
26 IV	2.4^h	Mars	3ºS