KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A_W	A_Z	α	δ	D	F
	λ=0°		φ=50°			0^hUT			
SIERPIEŃ 2023									
	h m	h m	h m	–°	+°	h m s	° '	'	
1	20 15	—	3 17	54	48	20 02 35	-25 34.3	33.3	0.99
2	20 41	0 27	4 49	63	57	21 06 46	-21 38.1	33.4	-1.00
3	21 01	1 25	6 23	73	67	22 07 06	-16 14.3	33.4	-0.98
4	21 18	2 19	7 53	84	78	23 03 28	- 9 53.7	33.2	-0.92
5	21 33	3 10	9 19	94	89	23 56 36	- 3 07.1	32.8	-0.85
6	21 48	3 58	10 42	105	100	0 47 42	3 38.9	32.4	-0.76
7	22 04	4 46	12 03	114	110	1 37 58	10 02.4	31.9	-0.65
8	22 24	5 34	13 24	123	120	2 28 29	15 46.1	31.4	-0.55
9	22 50	6 24	14 42	129	127	3 20 04	20 35.8	30.9	-0.44
10	23 23	7 15	15 56	134	133	4 13 08	24 19.6	30.5	-0.34
11	—	8 08	17 01	—	136	5 07 32	26 48.2	30.2	-0.25
12	0 07	9 01	17 55	137	136	6 02 36	27 55.5	29.9	-0.17
13	1 01	9 53	18 36	136	134	6 57 19	27 40.7	29.7	-0.10
14	2 06	10 43	19 07	133	129	7 50 35	26 07.6	29.5	-0.05
15	3 15	11 31	19 30	127	123	8 41 35	23 24.8	29.4	-0.02
16	4 26	12 15	19 48	120	115	9 30 00	19 43.7	29.4	-0.00
17	5 36	12 57	20 02	112	107	10 15 57	15 16.4	29.4	0.00
18	6 45	13 38	20 15	104	99	10 59 56	10 15.1	29.4	0.02
19	7 53	14 17	20 27	95	90	11 42 39	4 50.9	29.5	0.06
20	9 02	14 57	20 38	85	81	12 24 59	- 0 45.8	29.7	0.11
21	10 12	15 38	20 51	76	72	13 07 53	- 6 24.7	29.9	0.18
22	11 25	16 21	21 07	67	64	13 52 23	-11 54.7	30.2	0.26
23	12 41	17 09	21 27	58	56	14 39 34	-17 03.3	30.6	0.36
24	14 00	18 01	21 54	51	49	15 30 28	-21 34.9	31.0	0.46
25	15 18	18 58	22 33	45	44	16 25 48	-25 10.2	31.4	0.56
26	16 29	19 59	23 29	43	43	17 25 42	-27 27.3	31.9	0.67
27	17 27	21 03	—	44	—	18 29 13	-28 05.1	32.4	0.77
28	18 10	22 06	0 44	49	45	19 34 20	-26 49.5	32.9	0.86
29	18 40	23 06	2 12	58	52	20 38 38	-23 39.9	33.2	0.93
30	19 03	—	3 45	68	61	21 40 17	-18 50.6	33.4	0.98
31	19 21	0 03	5 18	78	72	22 38 33	-12 46.8	33.4	1.00

pełnia:	1 VIII	18^h32^m
ostatnia kwadra:	8 VIII	10^h28^m
nów:	16 VIII	9^h38^m
pierwsza kwadra:	24 VIII	9^h57^m
pełnia:	31 VIII	1^h36^m
perygeum:	2 VIII	5^h54^m
apogeum:	16 VIII	11^h53^m
perygeum:	30 VIII	15^h56^m

3 VIII	10.5^h	Saturn	3ºN
4 VIII	22.2^h	Neptun	1.5°N
8 VIII	9.8^h	Jowisz	3ºS
9 VIII	1.1^h	Uran	3ºS
18 VIII	11.5^h	Merkury	7ºS
18 VIII	23.2^h	Mars	2ºS
20 VIII	14.0^h	Wenus	8ºN
30 VIII	18.2^h	Saturn	2ºN