

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
WRZESIEŃ 2020									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	18 59	23 57	3 56	68	63	21 55 14	-17 12.9	30.2	0.98
2	19 19	—	5 06	75	71	22 43 49	-13 10.6	30.0	1.00
3	19 37	0 41	6 14	82	78	23 30 04	- 8 39.0	29.8	-0.99
4	19 53	1 23	7 21	90	86	0 14 38	- 3 50.6	29.6	-0.97
5	20 09	2 03	8 26	98	94	0 58 14	1 03.4	29.5	-0.93
6	20 27	2 44	9 32	105	102	1 41 38	5 53.2	29.5	-0.87
7	20 46	3 25	10 38	112	109	2 25 37	10 29.6	29.5	-0.80
8	21 09	4 08	11 44	119	116	3 10 57	14 43.3	29.6	-0.72
9	21 37	4 54	12 51	124	122	3 58 19	18 24.4	29.8	-0.63
10	22 13	5 42	13 57	128	127	4 48 15	21 22.1	30.0	-0.54
11	22 59	6 33	14 59	130	129	5 40 58	23 24.4	30.4	-0.44
12	—	7 27	15 54	—	129	6 36 18	24 19.4	30.8	-0.34
13	0 03	8 23	16 41	129	127	7 33 39	23 56.9	31.3	-0.25
14	1 06	9 19	17 20	126	122	8 32 00	22 10.8	31.8	-0.16
15	2 24	10 16	17 51	120	115	9 30 18	19 02.0	32.3	-0.09
16	3 47	11 11	18 17	112	107	10 27 47	14 38.6	32.7	-0.03
17	5 12	12 05	18 40	102	97	11 24 09	9 16.3	33.1	-0.01
18	6 38	12 58	19 02	92	87	12 19 36	3 16.0	33.2	0.01
19	8 03	13 51	19 24	82	78	13 14 40	- 2 57.7	33.3	0.04
20	9 29	14 45	19 48	72	69	14 10 03	- 8 59.5	33.1	0.10
21	10 53	15 40	20 17	63	61	15 06 22	-14 25.2	32.8	0.18
22	12 15	16 36	20 51	56	55	16 03 56	-18 53.8	32.5	0.28
23	13 29	17 34	21 35	52	51	17 02 38	-22 08.8	32.0	0.38
24	14 34	18 31	22 28	50	50	18 01 48	-24 00.4	31.6	0.49
25	15 27	19 26	23 29	51	51	19 00 23	-24 25.9	31.2	0.60
26	16 08	20 19	—	54	—	19 57 18	-23 29.5	30.8	0.70
27	16 40	21 09	0 36	59	55	20 51 41	-21 21.0	30.5	0.79
28	17 05	21 55	1 46	65	61	21 43 11	-18 13.2	30.2	0.86
29	17 25	22 39	2 55	72	68	22 31 54	-14 19.7	29.9	0.92
30	17 43	23 21	4 04	80	76	23 18 14	- 9 53.9	29.7	0.97

pełnia:	2 IX	5 ^h 22 ^m	2 IX	21.0 ^h	Neptun	4°N
ostatnia kwadra:	10 IX	9 ^h 26 ^m	6 IX	4.9 ^h	Mars	0.01°S
nów:	17 IX	11 ^h 00 ^m	7 IX	4.0 ^h	Uran	3°N
pierwsza kwadra:	24 IX	1 ^h 55 ^m	14 IX	4.8 ^h	Wenus	4°S
			18 IX	22.0 ^h	Merkury	6°S
apogeum:	6 IX	6 ^h 31 ^m	25 IX	6.8 ^h	Jowisz	2°N
perygeum:	18 IX	13 ^h 50 ^m	25 IX	20.7 ^h	Saturn	2°N
			30 IX	1.7 ^h	Neptun	4°N