

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
KWIECIEŃ 2018									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	19 42	0 34	6 27	80	84	13 10 23	- 2 32.0	31.4	-1.00
2	20 52	1 22	6 52	73	77	14 00 49	- 7 01.5	31.1	-0.97
3	22 00	2 10	7 19	67	71	14 50 56	-11 05.1	30.7	-0.93
4	23 04	2 58	7 49	62	65	15 41 03	-14 32.4	30.3	-0.87
5	—	3 46	8 23	—	61	16 31 23	-17 15.5	30.0	-0.80
6	0 04	4 34	9 01	59	58	17 21 57	-19 08.9	29.8	-0.71
7	0 58	5 22	9 45	57	57	18 12 37	-20 09.2	29.6	-0.62
8	1 47	6 10	10 35	57	58	19 03 12	-20 15.1	29.6	-0.53
9	2 29	6 58	11 30	59	60	19 53 29	-19 27.1	29.6	-0.44
10	3 06	7 45	12 30	62	63	20 43 17	-17 47.2	29.7	-0.34
11	3 37	8 32	13 33	66	68	21 32 33	-15 19.2	29.9	-0.26
12	4 06	9 18	14 39	72	74	22 21 23	-12 08.0	30.2	-0.17
13	4 31	10 04	15 48	78	81	23 10 02	- 8 20.1	30.5	-0.11
14	4 56	10 51	16 58	85	89	23 58 55	- 4 03.8	30.9	-0.05
15	5 20	11 39	18 10	92	96	0 48 31	0 30.5	31.3	-0.02
16	5 45	12 28	19 24	100	104	1 39 24	5 10.2	31.6	-0.00
17	6 13	13 20	20 40	107	111	2 32 06	9 40.0	31.9	0.01
18	6 45	14 14	21 55	113	116	3 27 01	13 42.9	32.2	0.05
19	7 24	15 11	23 07	118	121	4 24 18	17 01.1	32.3	0.11
20	8 10	16 10	—	122	—	5 23 37	19 18.4	32.4	0.19
21	9 05	17 09	0 13	123	123	6 24 13	20 22.6	32.4	0.29
22	10 09	18 07	1 10	121	122	7 24 58	20 08.4	32.4	0.40
23	11 19	19 04	1 58	118	119	8 24 44	18 37.8	32.2	0.51
24	12 32	19 58	2 38	112	115	9 22 38	15 59.7	32.1	0.62
25	13 47	20 50	3 11	106	109	10 18 17	12 27.4	31.9	0.73
26	15 01	21 39	3 39	98	102	11 11 46	8 16.5	31.7	0.82
27	16 13	22 27	4 05	91	94	12 03 27	3 42.8	31.5	0.90
28	17 25	23 15	4 29	83	87	12 53 55	- 0 58.4	31.3	0.95
29	18 35	—	4 54	76	80	13 43 43	- 5 32.7	31.0	0.99
30	19 44	0 02	5 19	70	73	14 33 24	- 9 47.3	30.7	1.00

ostatnia kwadra:	8 IV	7 ^h 18 ^m		3 IV 14.3 ^h	Jowisz	4°S
nów:	16 IV	1 ^h 57 ^m		7 IV 12.6 ^h	Saturn	2°S
pierwsza kwadra:	22 IV	21 ^h 46 ^m		7 IV 18.4 ^h	Mars	3°S
pełnia:	30 IV	0 ^h 58 ^m		12 IV 22.8 ^h	Neptun	2°N
				14 IV 9.5 ^h	Merkury	4°N
				16 IV 3.2 ^h	Uran	5°N
apogeum:	8 IV	5 ^h 29 ^m		17 IV 19.5 ^h	Wenus	5°N
perygeum:	20 IV	14 ^h 39 ^m		30 IV 21.4 ^h	Jowisz	3°S