

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _W	A _Z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
MAJ 2018									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	20 50	0 49	5 47	64	67	15 23 19	-13 30.6	30.4	-0.99
2	21 53	1 37	6 19	60	62	16 13 41	-16 33.0	30.1	-0.96
3	22 50	2 26	6 55	58	59	17 04 29	-18 47.2	29.9	-0.91
4	23 42	3 15	7 37	57	57	17 55 31	-20 08.2	29.7	-0.85
5	—	4 03	8 25	—	57	18 46 30	-20 33.8	29.6	-0.78
6	0 27	4 51	9 18	58	58	19 37 05	-20 04.0	29.5	-0.69
7	1 05	5 39	10 16	60	61	20 26 59	-18 41.3	29.6	-0.60
8	1 39	6 25	11 18	64	66	21 16 06	-16 29.5	29.7	-0.51
9	2 08	7 11	12 22	69	71	22 04 31	-13 33.5	29.9	-0.41
10	2 33	7 56	13 28	75	78	22 52 33	-9 59.4	30.3	-0.32
11	2 58	8 42	14 37	81	85	23 40 36	-5 53.8	30.6	-0.23
12	3 21	9 28	15 48	89	92	0 29 19	-1 25.4	31.1	-0.15
13	3 46	10 17	17 01	96	100	1 19 19	3 15.4	31.5	-0.08
14	4 12	11 08	18 17	103	108	2 11 20	7 55.0	32.0	-0.03
15	4 42	12 02	19 34	110	114	3 05 55	12 16.7	32.3	-0.01
16	5 18	12 59	20 51	116	119	4 03 25	16 01.2	32.6	0.01
17	6 02	13 59	22 02	121	122	5 03 38	18 48.6	32.8	0.03
18	6 55	15 00	23 05	123	123	6 05 46	20 22.4	32.8	0.09
19	7 58	16 01	23 58	123	121	7 08 26	20 33.3	32.8	0.17
20	9 08	16 59	—	120	—	8 10 08	19 21.5	32.6	0.26
21	10 22	17 55	0 41	115	117	9 09 38	16 56.4	32.4	0.37
22	11 36	18 47	1 16	108	111	10 06 21	13 32.9	32.1	0.48
23	12 50	19 37	1 45	101	104	11 00 17	9 28.2	31.8	0.59
24	14 03	20 25	2 11	93	97	11 51 55	4 58.7	31.4	0.70
25	15 14	21 12	2 35	86	90	12 41 54	0 19.5	31.1	0.79
26	16 23	21 58	2 59	79	82	13 30 57	-4 15.9	30.9	0.87
27	17 32	22 45	3 23	72	75	14 19 46	-8 35.5	30.6	0.93
28	18 38	23 32	3 49	66	69	15 08 51	-12 28.4	30.3	0.97
29	19 42	—	4 19	61	64	15 58 33	-15 44.8	30.1	0.99
30	20 42	0 20	4 53	58	60	16 48 57	-18 16.2	29.9	-1.00
31	21 36	1 08	5 32	57	57	17 39 53	-19 56.3	29.7	-0.98

ostatnia kwadra:	8 V	2 ^h 09 ^m	4 V 20.3 ^h	Saturn	2°S
nów:	15 V	11 ^h 48 ^m	6 V 7.5 ^h	Mars	3°S
pierwsza kwadra:	22 V	3 ^h 49 ^m	10 V 8.9 ^h	Neptun	2°N
pełnia:	29 V	14 ^h 20 ^m	13 V 15.3 ^h	Uran	5°N
			13 V 17.4 ^h	Merkury	2°N
apogeum:	6 V	0 ^h 33 ^m	17 V 18.2 ^h	Wenus	5°N
perygeum:	17 V	21 ^h 05 ^m	27 V 19.9 ^h	Jowisz	4°S