

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
MAJ 2011									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	3 27	10 32	17 50	107	111	0 47 58	10 21.3	29.5	-0.05
2	3 49	11 16	18 56	114	117	1 33 51	14 25.8	29.6	-0.02
3	4 14	12 03	20 02	119	123	2 21 47	17 57.7	29.7	-0.00
4	4 46	12 52	21 06	124	126	3 12 03	20 45.3	29.9	0.01
5	5 26	13 43	22 04	127	128	4 04 33	22 37.5	30.1	0.03
6	6 15	14 36	22 55	128	127	4 58 51	23 24.3	30.4	0.07
7	7 14	15 29	23 37	127	124	5 54 09	22 59.6	30.7	0.13
8	8 20	16 22	—	123	—	6 49 35	21 21.7	31.0	0.21
9	9 33	17 14	0 12	117	119	7 44 22	18 33.8	31.3	0.30
10	10 49	18 05	0 41	110	113	8 38 11	14 43.8	31.6	0.41
11	12 07	18 56	1 06	101	105	9 31 04	10 02.7	32.0	0.52
12	13 26	19 46	1 29	92	97	10 23 30	4 44.1	32.3	0.63
13	14 47	20 37	1 51	83	88	11 16 11	- 0 55.9	32.6	0.74
14	16 10	21 31	2 14	74	79	12 10 00	- 6 38.9	32.9	0.83
15	17 34	22 27	2 39	65	70	13 05 44	-12 03.3	33.0	0.91
16	18 57	23 26	3 10	58	62	14 03 55	-16 46.1	33.0	0.97
17	20 15	—	3 47	53	56	15 04 28	-20 24.4	32.8	1.00
18	21 22	0 26	4 34	52	53	16 06 35	-22 40.1	32.6	-1.00
19	22 17	1 27	5 32	53	52	17 08 45	-23 24.0	32.2	-0.97
20	22 59	2 26	6 38	56	54	18 09 15	-22 38.2	31.7	-0.92
21	23 32	3 21	7 48	62	58	19 06 42	-20 34.1	31.3	-0.85
22	23 58	4 12	9 00	68	64	20 00 31	-17 28.3	30.8	-0.77
23	—	4 59	10 10	—	71	20 50 46	-13 38.2	30.4	-0.67
24	0 19	5 43	11 17	75	79	21 38 02	- 9 18.8	30.0	-0.58
25	0 38	6 25	12 23	83	86	22 23 09	- 4 42.8	29.8	-0.48
26	0 56	7 06	13 28	90	94	23 07 02	- 0 00.2	29.6	-0.39
27	1 13	7 47	14 33	97	101	23 50 35	4 40.2	29.5	-0.30
28	1 32	8 28	15 38	105	109	0 34 39	9 10.2	29.5	-0.21
29	1 52	9 12	16 44	111	115	1 20 03	13 20.9	29.6	-0.14
30	2 16	9 58	17 51	117	121	2 07 25	17 02.4	29.8	-0.08
31	2 46	10 46	18 56	123	125	2 57 12	20 03.4	30.0	-0.04

nów:	3 V	6 ^h 51 ^m	1 V	6.6 ^h	Merkury	8°S
pierwsza kwadra:	10 V	20 ^h 33 ^m	1 V	19.4 ^h	Jowisz	6°S
pełnia:	17 V	11 ^h 08 ^m	1 V	19.8 ^h	Mars	6°S
ostatnia kwadra:	24 V	18 ^h 52 ^m	14 V	15.3 ^h	Saturn	8°N
			24 V	18.3 ^h	Neptun	6°S
perygeum:	15 V	11 ^h 19 ^m	27 V	13.5 ^h	Uran	6°S
apogeum:	27 V	9 ^h 59 ^m	30 V	21.4 ^h	Mars	4°S
			30 V	21.4 ^h	Jowisz	10°S
			31 V	4.1 ^h	Wenus	4°S
			31 V	21.4 ^h	Merkury	4°S