

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
MAJ 2009									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	10 19	18 10	1 18	120	123	8 06 48	20 39.8	32.3	0.40
2	11 42	19 02	1 43	111	115	9 02 53	15 58.5	32.1	0.52
3	13 02	19 50	2 03	101	106	9 55 26	10 30.7	31.9	0.63
4	14 20	20 36	2 20	91	96	10 45 21	4 37.1	31.6	0.73
5	15 36	21 21	2 36	82	87	11 33 42	- 1 23.5	31.4	0.82
6	16 52	22 06	2 52	72	77	12 21 32	- 7 15.0	31.1	0.89
7	18 07	22 53	3 09	64	69	13 09 50	-12 42.2	30.8	0.95
8	19 22	23 42	3 29	56	61	13 59 20	-17 30.9	30.5	0.98
9	20 34	—	3 54	51	54	14 50 24	-21 27.8	30.3	1.00
10	21 39	0 33	4 26	47	49	15 43 04	-24 21.3	30.1	-0.99
11	22 35	1 24	5 07	46	46	16 36 47	-26 02.8	29.8	-0.97
12	23 20	2 16	5 57	47	46	17 30 43	-26 28.3	29.7	-0.92
13	23 55	3 07	6 57	51	48	18 23 52	-25 38.9	29.6	-0.87
14	—	3 56	8 02	—	53	19 15 23	-23 40.0	29.5	-0.80
15	0 22	4 42	9 11	57	59	20 04 51	-20 39.9	29.5	-0.71
16	0 43	5 27	10 20	63	66	20 52 19	-16 48.4	29.7	-0.63
17	1 00	6 10	11 30	71	74	21 38 12	-12 15.0	29.9	-0.53
18	1 16	6 52	12 40	79	83	22 23 10	- 7 08.9	30.2	-0.43
19	1 31	7 34	13 52	88	92	23 08 08	- 1 39.3	30.5	-0.34
20	1 46	8 18	15 07	97	102	23 54 08	4 03.4	31.0	-0.24
21	2 02	9 05	16 25	106	111	0 42 17	9 46.4	31.5	-0.16
22	2 22	9 56	17 48	115	120	1 33 45	15 13.0	31.9	-0.09
23	2 48	10 52	19 13	123	127	2 29 28	20 01.3	32.4	-0.03
24	3 23	11 52	20 34	129	132	3 29 50	23 45.3	32.7	-0.01
25	4 12	12 57	21 44	133	134	4 34 13	25 58.6	33.0	0.00
26	5 17	14 02	22 38	133	131	5 40 42	26 22.1	33.1	0.03
27	6 36	15 05	23 18	129	125	6 46 34	24 51.1	33.0	0.09
28	8 02	16 04	23 46	122	117	7 49 27	21 37.8	32.9	0.17
29	9 28	16 58	—	114	—	8 48 07	17 05.3	32.6	0.27
30	10 51	17 47	0 08	104	108	9 42 37	11 40.2	32.2	0.37
31	12 10	18 34	0 26	94	99	10 33 42	5 46.8	31.9	0.49

I kwadra: 1 V 20^h44^m
pełnia: 9 V 4^h01^m
III kwadra: 17 V 7^h26^m
nów: 24 V 12^h11^m
I kwadra: 31 V 3^h22^m

apogeum: 14 V 2^h58^m
perygeum: 26 V 3^h45^m

4 V 11.4^h Saturn 6°N
17 V 7.9^h Jowisz 3°S
17 V 9.1^h Neptun 3°S
19 V 19.9^h Uran 5°S
21 V 8.3^h Wenus 7°S
21 V 19.9^h Mars 7°S
24 V 0.6^h Merkury 7°S