

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
PAŹDZIERNIK 2009									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	16 20	22 04	2 51	82	77	22 05 35	- 8 49.4	29.9	0.90
2	16 35	22 46	4 00	90	86	22 50 12	- 3 33.5	30.1	0.95
3	16 50	23 29	5 11	99	95	23 35 07	1 56.2	30.4	0.98
4	17 07	—	6 24	108	104	0 21 15	7 27.4	30.7	1.00
5	17 27	0 15	7 39	116	113	1 09 26	12 45.9	31.0	-0.99
6	17 53	1 04	8 57	123	121	2 00 30	17 34.8	31.2	-0.96
7	18 27	1 56	10 15	129	127	2 54 59	21 35.4	31.5	-0.91
8	19 12	2 53	11 29	132	132	3 52 52	24 27.9	31.7	-0.84
9	20 11	3 52	12 34	133	133	4 53 29	25 55.2	31.9	-0.76
10	21 23	4 52	13 27	130	131	5 55 22	25 46.1	32.1	-0.65
11	22 43	5 52	14 07	124	126	6 56 47	23 59.1	32.2	-0.54
12	—	6 49	14 37	—	119	7 56 16	20 42.1	32.3	-0.43
13	0 07	7 43	15 01	115	110	8 53 06	16 10.9	32.4	-0.32
14	1 30	8 34	15 21	106	101	9 47 20	10 45.1	32.4	-0.22
15	2 52	9 24	15 39	96	91	10 39 33	4 45.6	32.3	-0.13
16	4 13	10 12	15 56	86	81	11 30 37	- 1 26.4	32.2	-0.06
17	5 34	11 01	16 15	76	72	12 21 29	- 7 30.5	31.9	-0.02
18	6 54	11 50	16 36	67	64	13 12 57	-13 07.2	31.7	-0.00
19	8 12	12 42	17 02	59	56	14 05 38	-17 58.5	31.3	0.01
20	9 28	13 34	17 34	52	51	14 59 40	-21 49.0	31.0	0.04
21	10 37	14 28	18 15	48	48	15 54 48	-24 27.3	30.6	0.09
22	11 36	15 21	19 06	47	47	16 50 15	-25 47.1	30.3	0.15
23	12 23	16 12	20 05	48	49	17 45 03	-25 47.7	30.0	0.23
24	12 59	17 02	21 10	52	53	18 38 17	-24 34.1	29.7	0.31
25	13 28	17 49	22 18	57	59	19 29 19	-22 14.6	29.6	0.40
26	13 50	18 33	23 26	63	66	20 18 02	-18 59.1	29.6	0.50
27	14 08	19 16	—	70	—	21 04 41	-14 58.0	29.6	0.59
28	14 25	19 58	0 34	78	74	21 49 50	-10 20.7	29.8	0.68
29	14 40	20 39	1 43	87	82	22 34 14	- 5 16.4	30.0	0.77
30	14 55	21 22	2 53	95	91	23 18 46	0 05.7	30.3	0.85
31	15 11	22 07	4 04	104	100	0 04 23	5 34.8	30.6	0.91

pełnia: 4 X 6^h10^m
 III kwadra: 11 X 8^h56^m
 nów: 18 X 5^h33^m
 I kwadra: 26 X 0^h42^m

perygium: 13 X 12^h29^m
 apogium: 25 X 23^h19^m

3 X 2.2^h Uran 6°S
 12 X 1.5^h Mars 1°N
 16 X 12.8^h Saturn 7°N
 16 X 19.0^h Wenus 7°N
 17 X 11.1^h Merkury 7°N
 27 X 8.7^h Jowisz 3°S