

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
SIERPIEŃ 2010									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	21 32	4 11	11 24	112	109	0 41 58	10 11.2	29.8	-0.71
2	21 55	4 55	12 33	119	117	1 28 02	14 40.6	30.0	-0.62
3	22 24	5 42	13 44	125	123	2 16 51	18 38.9	30.4	-0.52
4	23 02	6 33	14 54	129	128	3 09 05	21 52.0	30.8	-0.42
5	23 52	7 28	16 01	131	131	4 04 58	24 04.1	31.3	-0.32
6	—	8 26	16 59	—	130	5 04 11	24 58.6	31.8	-0.22
7	0 57	9 27	17 47	130	127	6 05 36	24 22.3	32.3	-0.14
8	2 14	10 27	18 25	125	121	7 07 40	22 09.7	32.8	-0.07
9	3 39	11 26	18 55	118	113	8 08 48	18 25.8	33.1	-0.02
10	5 07	12 22	19 19	109	104	9 08 03	13 26.5	33.3	-0.00
11	6 35	13 16	19 41	99	94	10 05 09	7 34.8	33.4	0.01
12	8 01	14 09	20 02	89	84	11 00 30	1 17.6	33.3	0.05
13	9 25	15 01	20 23	78	74	11 54 49	-4 58.9	33.0	0.12
14	10 48	15 53	20 46	69	66	12 48 55	-10 50.7	32.6	0.21
15	12 09	16 46	21 14	61	58	13 43 29	-15 57.9	32.1	0.31
16	13 26	17 40	21 48	54	53	14 38 52	-20 04.5	31.6	0.42
17	14 36	18 35	22 30	50	50	15 35 02	-22 59.3	31.2	0.53
18	15 36	19 29	23 22	49	49	16 31 29	-24 35.7	30.8	0.63
19	16 25	20 21	—	50	—	17 27 22	-24 52.7	30.4	0.73
20	17 03	21 12	0 21	53	51	18 21 49	-23 54.2	30.1	0.81
21	17 33	21 59	1 26	58	55	19 14 07	-21 48.3	29.8	0.88
22	17 57	22 44	2 34	64	60	20 03 57	-18 45.6	29.7	0.93
23	18 16	23 27	3 41	71	67	20 51 24	-14 57.8	29.5	0.97
24	18 34	—	4 49	79	75	21 36 48	-10 36.7	29.4	0.99
25	18 49	0 08	5 55	87	83	22 20 43	-5 53.1	29.4	-1.00
26	19 05	0 49	7 00	95	91	23 03 51	-0 57.4	29.4	-0.98
27	19 21	1 29	8 06	102	99	23 46 56	4 00.6	29.5	-0.95
28	19 39	2 10	9 13	110	107	0 30 44	8 51.2	29.6	-0.90
29	20 00	2 53	10 21	117	114	1 16 03	13 24.3	29.8	-0.84
30	20 26	3 38	11 30	123	121	2 03 36	17 28.6	30.0	-0.76
31	21 00	4 27	12 39	127	126	2 53 59	20 51.7	30.3	-0.67

ostatnia kwadra:	3 VIII	4 ^h 59 ^m		12 VIII	1.6 ^h	Merkury	2°N
nów:	10 VIII	3 ^h 08 ^m		13 VIII	7.3 ^h	Saturn	8°N
pierwsza kwadra:	16 VIII	18 ^h 14 ^m		13 VIII	12.2 ^h	Wenus	5°N
pełnia:	24 VIII	17 ^h 04 ^m		13 VIII	17.4 ^h	Mars	6°N
				24 VIII	11.7 ^h	Neptun	5°S
perygeum:	10 VIII	17 ^h 57 ^m		27 VIII	7.1 ^h	Uran	6°S
apogeum:	25 VIII	5 ^h 52 ^m					