

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
KWIECIEŃ 2014									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	6 21	13 31	20 52	108	111	1 39 52	10 30.5	31.8	0.02
2	6 55	14 23	21 59	113	116	2 33 44	13 54.9	31.3	0.06
3	7 33	15 14	23 01	117	119	3 27 27	16 30.0	30.9	0.12
4	8 15	16 05	23 56	119	120	4 20 46	18 10.6	30.5	0.20
5	9 03	16 54	—	120	—	5 13 23	18 54.8	30.1	0.28
6	9 55	17 43	0 44	119	120	6 04 58	18 44.3	29.9	0.37
7	10 51	18 29	1 25	117	118	6 55 19	17 42.7	29.7	0.47
8	11 49	19 15	2 01	113	115	7 44 21	15 55.3	29.6	0.56
9	12 49	19 59	2 32	109	111	8 32 13	13 27.9	29.5	0.65
10	13 51	20 43	2 60	103	106	9 19 10	10 26.7	29.6	0.74
11	14 54	21 27	3 25	97	100	10 05 36	6 58.2	29.8	0.82
12	15 59	22 11	3 50	91	94	10 52 02	3 09.5	30.0	0.89
13	17 05	22 57	4 14	84	87	11 39 01	-0 51.4	30.3	0.94
14	18 12	23 44	4 39	77	81	12 27 06	-4 55.1	30.6	0.98
15	19 21	—	5 07	71	75	13 16 50	-8 50.6	30.9	1.00
16	20 31	0 34	5 38	66	69	14 08 39	-12 25.2	31.2	-0.99
17	21 39	1 26	6 15	62	64	15 02 47	-15 24.9	31.5	-0.97
18	22 43	2 20	6 58	60	61	15 59 09	-17 36.0	31.8	-0.92
19	23 40	3 17	7 50	60	60	16 57 17	-18 46.6	32.0	-0.85
20	—	4 14	8 50	—	60	17 56 23	-18 49.1	32.1	-0.76
21	0 31	5 11	9 56	62	63	18 55 30	-17 41.8	32.2	-0.65
22	1 14	6 08	11 08	66	68	19 53 47	-15 29.0	32.3	-0.54
23	1 51	7 02	12 22	71	73	20 50 44	-12 20.0	32.3	-0.42
24	2 23	7 55	13 37	77	80	21 46 14	-8 27.9	32.3	-0.31
25	2 53	8 47	14 52	84	88	22 40 28	-4 07.6	32.2	-0.21
26	3 21	9 38	16 07	91	95	23 33 51	0 25.0	32.1	-0.13
27	3 49	10 29	17 20	99	102	0 26 52	4 54.1	31.9	-0.06
28	4 19	11 20	18 32	105	109	1 19 55	9 04.6	31.7	-0.02
29	4 51	12 11	19 41	111	114	2 13 15	12 42.6	31.4	-0.00
30	5 27	13 03	20 46	115	118	3 06 53	15 36.8	31.0	0.01

pierwsza kwadra:	7 IV	8 ^h 31 ^m		6 IV 22.6 ^h	Jowisz 5°N
pełnia:	15 IV	7 ^h 43 ^m		14 IV 18.5 ^h	Mars 3.5°N
ostatnia kwadra:	22 IV	7 ^h 52 ^m		17 IV 7.3 ^h	Saturn 0.4°N
nów	29 IV	6 ^h 14 ^m		24 IV 22.1 ^h	Neptun 5°S
				25 IV 23.3 ^h	Wenus 4°S
apogeum:	8 IV	14 ^h 52 ^m		27 IV 11.5 ^h	Uran 2°S
perygeum:	23 IV	0 ^h 20 ^m		29 IV 13.2 ^h	Merkury 2°N