

KSIĘZYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
PAZDZIERNIK 2014									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	13 13	17 50	22 30	61	61	17 48 48	-18 30.4	31.7	0.41
2	14 01	18 46	23 37	63	65	18 46 35	-17 45.3	32.0	0.52
3	14 43	19 43	—	67	—	19 44 47	-15 54.9	32.3	0.63
4	15 20	20 39	0 50	73	69	20 42 49	-13 03.5	32.6	0.74
5	15 53	21 34	2 06	80	76	21 40 19	-9 21.0	32.8	0.84
6	16 25	22 28	3 25	87	83	22 37 11	-5 01.5	33.0	0.92
7	16 55	23 22	4 43	94	91	23 33 34	-0 22.6	32.9	0.97
8	17 26	—	6 02	102	98	0 29 39	4 16.6	32.8	1.00
9	17 59	0 16	7 18	108	105	1 25 40	8 37.1	32.5	-1.00
10	18 36	1 10	8 32	113	111	2 21 42	12 22.3	32.1	-0.97
11	19 16	2 04	9 41	117	116	3 17 37	15 19.4	31.7	-0.92
12	20 02	2 57	10 44	119	118	4 13 06	17 20.3	31.2	-0.85
13	20 52	3 50	11 39	119	119	5 07 45	18 22.0	30.7	-0.77
14	21 46	4 41	12 27	118	119	6 01 05	18 25.8	30.3	-0.67
15	22 43	5 30	13 08	115	117	6 52 50	17 36.1	30.0	-0.58
16	23 42	6 17	13 43	112	113	7 42 50	15 59.1	29.7	-0.48
17	—	7 02	14 14	—	109	8 31 13	13 42.0	29.6	-0.39
18	0 42	7 46	14 41	107	104	9 18 15	10 51.6	29.5	-0.30
19	1 43	8 30	15 06	101	98	10 04 19	7 35.1	29.5	-0.22
20	2 45	9 12	15 30	95	92	10 49 57	3 59.3	29.6	-0.14
21	3 48	9 56	15 54	89	86	11 35 41	0 11.7	29.8	-0.08
22	4 51	10 40	16 20	83	80	12 22 05	-3 39.9	30.0	-0.04
23	5 56	11 26	16 47	77	74	13 09 41	-7 26.1	30.3	-0.01
24	7 02	12 14	17 18	71	69	13 58 59	-10 56.7	30.5	0.00
25	8 08	13 04	17 54	66	65	14 50 16	-14 00.0	30.8	0.01
26	9 13	13 56	18 36	63	62	15 43 42	-16 24.2	31.1	0.05
27	10 14	14 51	19 26	61	60	16 39 04	-17 57.9	31.3	0.10
28	11 10	15 46	20 23	60	61	17 35 54	-18 32.3	31.6	0.18
29	12 00	16 42	21 28	62	63	18 33 31	-18 02.3	31.8	0.27
30	12 43	17 37	22 38	66	68	19 31 08	-16 27.8	32.0	0.38
31	13 21	18 32	23 51	71	73	20 28 11	-13 53.6	32.2	0.49

pierwsza kwadra:	1 X	19 ^h 33 ^m		5 X	20.8 ^h	Neptun	5°S
pełnia:	8 X	10 ^h 50 ^m		8 X	10.7 ^h	Uran	1°S
ostatnia kwadra:	15 X	19 ^h 12 ^m		18 X	3.6 ^h	Jowisz	5°N
nów:	23 X	21 ^h 57 ^m		22 X	22.0 ^h	Merkury	0.7°N
pierwsza kwadra:	31 X	2 ^h 48 ^m		23 X	21.3 ^h	Wenus	0.1°N
				25 X	15.7 ^h	Saturn	1°S
perygeum:	6 X	9 ^h 41 ^m		28 X	13.0 ^h	Mars	7°S
apogeum:	18 X	6 ^h 07 ^m					