KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A_W	A_Z	α	δ	D	F
	λ=0°		φ=50°			0^hUT			
KWIECIEŃ 2017									
	h m	h m	h m	–°	+°	h m s	° '	'	
1	8 32	16 14	—	117	—	4 13 57	15 56.9	32.7	0.20
2	9 20	17 12	0 02	119	119	5 13 51	18 01.9	32.5	0.30
3	10 16	18 10	1 06	120	120	6 13 49	18 56.6	32.3	0.41
4	11 17	19 06	2 01	119	120	7 12 57	18 39.8	32.0	0.53
5	12 23	19 59	2 47	116	117	8 10 25	17 16.7	31.7	0.64
6	13 31	20 51	3 26	111	113	9 05 43	14 56.7	31.3	0.74
7	14 39	21 39	3 59	105	108	9 58 42	11 51.9	31.1	0.82
8	15 47	22 26	4 28	99	102	10 49 31	8 14.8	30.8	0.90
9	16 54	23 11	4 54	92	95	11 38 36	4 18.1	30.5	0.95
10	17 59	23 56	5 18	85	89	12 26 25	0 13.5	30.3	0.98
11	19 04	—	5 43	79	82	13 13 29	- 3 48.3	30.0	1.00
12	20 07	0 40	6 08	73	76	14 00 19	- 7 37.5	29.8	-0.99
13	21 09	1 24	6 34	68	71	14 47 19	-11 05.2	29.7	-0.97
14	22 09	2 09	7 04	64	66	15 34 50	-14 03.5	29.5	-0.93
15	23 05	2 55	7 37	61	63	16 23 05	-16 25.4	29.5	-0.87
16	23 58	3 42	8 16	59	60	17 12 07	-18 05.1	29.5	-0.80
17	—	4 29	9 00	—	59	18 01 55	-18 57.9	29.6	-0.73
18	0 46	5 17	9 50	59	60	18 52 21	-19 00.6	29.7	-0.64
19	1 30	6 06	10 46	61	62	19 43 13	-18 11.4	30.0	-0.54
20	2 08	6 55	11 47	64	65	20 34 23	-16 30.3	30.3	-0.44
21	2 42	7 44	12 53	68	70	21 25 46	-13 59.2	30.8	-0.34
22	3 13	8 34	14 03	74	77	22 17 25	-10 42.2	31.2	-0.25
23	3 42	9 24	15 16	80	84	23 09 36	- 6 45.9	31.8	-0.16
24	4 11	10 15	16 32	87	91	0 02 39	- 2 20.0	32.2	-0.09
25	4 39	11 08	17 50	95	99	0 57 01	2 22.1	32.7	-0.03
26	5 10	12 03	19 10	102	106	1 53 09	7 03.1	33.0	-0.01
27	5 44	13 01	20 30	109	113	2 51 19	11 22.8	33.2	0.01
28	6 24	14 00	21 46	115	118	3 51 29	15 00.0	33.2	0.04
29	7 11	15 01	22 56	119	120	4 53 10	17 36.2	33.1	0.09
30	8 05	16 01	23 57	121	120	5 55 21	18 58.8	32.9	0.17

pierwsza kwadra:	3 IV	18^h40^m	10 IV	21.4^h	Jowisz 2ºS
pełnia:	11 IV	6^h08^m	16 IV	18.4^h	Saturn 3ºS
ostatnia kwadra:	19 IV	9^h57^m	22 IV	19.9^h	Neptun 0.2ºN
nów:	26 IV	12^h16^m	23 IV	18.0^h	Wenus 5ºN
			25 IV	15.9^h	Uran 4ºN
apogeum:	15 IV	10^h05^m	25 IV	18.0^h	Mars 4.5ºN
perygeum:	27 IV	16^h17^m	28 IV	7.6^h	Mars 6ºN