KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A_W	A_Z	α	δ	D	F
	λ=0°		φ=50°			0^hUT			
WRZESIEŃ 2019									
	h m	h m	h m	–°	+°	h m s	° '	'	
1	7 36	14 01	20 11	94	89	12 09 49	4 17.5	33.3	0.04
2	8 58	14 53	20 35	84	80	13 05 14	- 1 25.1	33.0	0.10
3	10 19	15 45	21 00	76	72	13 59 35	- 6 55.1	32.6	0.18
4	11 36	16 37	21 28	68	65	14 53 30	-11 53.2	32.1	0.28
5	12 51	17 29	22 00	61	59	15 47 28	-16 04.3	31.6	0.38
6	14 00	18 21	22 38	56	55	16 41 39	-19 17.7	31.1	0.49
7	15 02	19 13	23 23	54	53	17 36 00	-21 26.3	30.7	0.59
8	15 55	20 04	—	53	—	18 30 06	-22 27.1	30.3	0.69
9	16 40	20 54	0 15	55	54	19 23 25	-22 20.7	30.0	0.77
10	17 16	21 42	1 12	58	56	20 15 25	-21 11.0	29.7	0.85
11	17 46	22 29	2 14	63	60	21 05 41	-19 04.7	29.6	0.91
12	18 11	23 13	3 18	68	65	21 54 07	-16 10.1	29.5	0.96
13	18 33	23 55	4 23	75	71	22 40 48	-12 36.5	29.4	0.99
14	18 53	—	5 27	82	78	23 26 04	- 8 33.6	29.4	1.00
15	19 11	0 37	6 32	89	85	0 10 25	- 4 10.8	29.5	-0.99
16	19 30	1 18	7 37	96	93	0 54 26	0 22.5	29.5	-0.97
17	19 50	2 00	8 42	103	100	1 38 48	4 57.1	29.7	-0.93
18	20 12	2 42	9 48	110	107	2 24 11	9 23.0	29.9	-0.87
19	20 37	3 27	10 56	116	114	3 11 19	13 30.0	30.1	-0.80
20	21 09	4 15	12 04	121	120	4 00 49	17 06.5	30.5	-0.71
21	21 49	5 06	13 12	125	124	4 53 10	19 59.5	30.8	-0.62
22	22 39	6 00	14 16	127	126	5 48 30	21 55.3	31.3	-0.51
23	23 41	6 56	15 13	126	126	6 46 32	22 40.7	31.7	-0.41
24	—	7 55	16 01	—	124	7 46 25	22 05.3	32.2	-0.30
25	0 53	8 54	16 42	122	118	8 47 03	20 04.8	32.6	-0.20
26	2 13	9 52	17 15	116	111	9 47 17	16 42.8	33.0	-0.11
27	3 38	10 49	17 44	108	103	10 46 22	12 11.7	33.3	-0.05
28	5 03	11 44	18 09	99	94	11 44 00	6 51.0	33.4	-0.01
29	6 28	12 38	18 34	89	85	12 40 24	1 04.5	33.3	0.00
30	7 51	13 31	18 59	80	76	13 36 03	- 4 42.8	33.1	0.02

pierwsza kwadra:	6 IX	3^h10^m	6 IX	6.9^h	Jowisz 3ºS
pełnia:	14 IX	4^h33^m	8 IX	13.8^h	Saturn 0.0°N
ostatnia kwadra:	22 IX	2^h41^m	13 IX	17.9^h	Neptun 4ºN
nów:	28 IX	18^h26^m	17 IX	19.7^h	Uran 5ºN
			28 IX	1.4^h	Mars 4ºS
apogeum:	13 IX	13^h34^m	29 IX	12.8^h	Wenus 4ºS
perygeum:	28 IX	2^h24^m	29 IX	22.1^h	Merkury 6ºS