

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
PAZDZIERNIK 2022									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	12 53	16 39	20 21	47	46	16 38 32	-24 33.7	32.0	0.28
2	14 05	17 41	21 16	44	44	17 39 59	-26 49.4	32.2	0.39
3	15 03	18 43	22 27	45	46	18 43 22	-27 22.8	32.3	0.50
4	15 46	19 43	23 49	50	52	19 46 42	-26 08.7	32.3	0.61
5	16 17	20 40	—	57	—	20 48 00	-23 13.6	32.4	0.72
6	16 40	21 33	1 15	66	60	21 46 08	-18 53.9	32.3	0.82
7	16 58	22 23	2 40	75	70	22 40 49	-13 31.4	32.2	0.90
8	17 14	23 10	4 02	85	80	23 32 33	- 7 29.3	32.0	0.96
9	17 29	23 56	5 22	95	90	0 22 14	- 1 10.0	31.8	0.99
10	17 44	—	6 41	105	100	1 10 51	5 06.4	31.4	-1.00
11	18 01	0 42	7 58	114	110	1 59 21	11 01.6	31.1	-0.99
12	18 21	1 29	9 15	122	119	2 48 32	16 19.8	30.7	-0.95
13	18 46	2 17	10 30	128	126	3 38 57	20 47.2	30.4	-0.90
14	19 18	3 07	11 42	133	132	4 30 47	24 12.5	30.1	-0.83
15	20 00	3 58	12 46	135	135	5 23 51	26 27.1	29.8	-0.75
16	20 52	4 50	13 39	135	136	6 17 30	27 25.8	29.6	-0.66
17	21 54	5 41	14 22	132	133	7 10 56	27 07.5	29.6	-0.57
18	23 02	6 30	14 54	127	129	8 03 20	25 35.0	29.6	-0.47
19	—	7 18	15 19	—	123	8 54 07	22 54.1	29.7	-0.38
20	0 13	8 04	15 39	121	116	9 43 07	19 12.8	29.9	-0.29
21	1 25	8 49	15 55	113	108	10 30 34	14 40.0	30.1	-0.21
22	2 38	9 32	16 10	104	99	11 16 58	9 25.6	30.5	-0.13
23	3 52	10 16	16 24	94	89	12 03 04	3 40.2	30.8	-0.07
24	5 08	11 00	16 38	84	80	12 49 48	- 2 23.4	31.2	-0.03
25	6 27	11 48	16 55	74	70	13 38 11	- 8 30.1	31.6	-0.00
26	7 49	12 38	17 15	64	61	14 29 13	-14 21.2	31.9	0.00
27	9 15	13 33	17 41	55	53	15 23 47	-19 34.5	32.2	0.03
28	10 40	14 32	18 18	48	47	16 22 19	-23 45.3	32.3	0.08
29	11 57	15 34	19 09	44	44	17 24 24	-26 29.8	32.4	0.16
30	13 01	16 37	20 16	44	45	18 28 36	-27 30.1	32.4	0.25
31	13 48	17 38	21 36	48	50	19 32 41	-26 39.9	32.4	0.36

pierwsza kwadra:	3 X	0 ^h 14 ^m	5 X	15.9 ^h	Saturn	4°N
pełnia:	9 X	20 ^h 55 ^m	8 X	2.6 ^h	Neptun	3°N
ostatnia kwadra:	17 X	17 ^h 15 ^m	8 X	18.2 ^h	Jowisz	2°N
nów:	25 X	10 ^h 49 ^m	12 X	6.8 ^h	Uran	0.9°S
			15 X	4.6 ^h	Mars	4°S
perygeum:	4 X	16 ^h 31 ^m	24 X	15.8 ^h	Merkury	0.4°S
apogeum:	17 X	10 ^h 21 ^m	25 X	12.1 ^h	Wenus	0.0°N
perygeum:	29 X	14 ^h 39 ^m				