

KSIEZYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
LUTY 2014									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	7 59	13 39	19 31	80	83	21 53 04	- 8 02.6	33.2	0.02
2	8 28	14 33	20 49	87	91	22 49 56	- 3 19.3	32.9	0.07
3	8 57	15 24	22 04	95	99	23 44 46	1 28.1	32.4	0.14
4	9 25	16 15	23 16	102	106	0 38 04	6 01.4	31.9	0.22
5	9 54	17 04	—	108	—	1 30 20	10 06.7	31.4	0.32
6	10 26	17 53	0 25	113	111	2 22 01	13 33.7	30.9	0.42
7	11 01	18 42	1 30	117	116	3 13 25	16 15.6	30.4	0.52
8	11 41	19 31	2 29	120	119	4 04 39	18 07.6	30.1	0.62
9	12 26	20 19	3 23	121	121	4 55 40	19 07.5	29.8	0.71
10	13 16	21 07	4 12	120	121	5 46 17	19 14.8	29.6	0.79
11	14 11	21 54	4 53	118	119	6 36 18	18 31.0	29.5	0.86
12	15 09	22 40	5 30	115	116	7 25 30	16 59.1	29.4	0.92
13	16 09	23 24	6 02	110	112	8 13 47	14 43.9	29.4	0.96
14	17 11	—	6 30	105	107	9 01 10	11 51.5	29.5	0.99
15	18 14	0 08	6 55	99	101	9 47 49	8 29.1	29.6	-1.00
16	19 18	0 52	7 20	92	95	10 34 02	4 44.4	29.8	-0.99
17	20 23	1 36	7 43	86	89	11 20 15	0 46.1	30.0	-0.96
18	21 28	2 20	8 07	79	83	12 06 58	- 3 17.0	30.2	-0.92
19	22 35	3 05	8 33	73	76	12 54 45	- 7 14.9	30.5	-0.85
20	23 43	3 52	9 02	67	71	13 44 10	-10 57.2	30.8	-0.77
21	—	4 42	9 35	—	66	14 35 44	-14 12.2	31.1	-0.68
22	0 50	5 35	10 15	63	62	15 29 48	-16 47.6	31.5	-0.58
23	1 55	6 30	11 03	60	59	16 26 26	-18 30.7	31.9	-0.47
24	2 56	7 28	12 00	59	59	17 25 18	-19 10.0	32.3	-0.36
25	3 50	8 27	13 07	60	61	18 25 41	-18 37.5	32.6	-0.25
26	4 37	9 26	14 21	64	66	19 26 34	-16 50.9	32.9	-0.16
27	5 18	10 24	15 39	69	72	20 26 59	-13 55.6	33.1	-0.08
28	5 53	11 21	16 59	76	79	21 26 11	-10 04.3	33.1	-0.03

pierwsza kwadra:	6 II	19 ^h 22 ^m	1 II	7.2 ^h	Merkury	4°S
pełnia:	14 II	23 ^h 53 ^m	1 II	13.6 ^h	Neptun	5°S
ostatnia kwadra:	22 II	17 ^h 15 ^m	3 II	23.2 ^h	Uran	3°S
			11 II	6.3 ^h	Jowisz	5°N
			20 II	0.0 ^h	Mars	3°N
apogeum:	12 II	5 ^h 08 ^m	21 II	22.3 ^h	Saturn	0.3°N
peryeum:	27 II	19 ^h 50 ^m	26 II	5.4 ^h	Wenus	0.4°S
			27 II	21.5 ^h	Merkury	3°S