

Východy a západy Slunce, soumraky

Białków

for location: Longitude E 16 42.0
Latitude N 51 12.0
Time Zone UT +2

Date	Rise (Azm)			Trans (Alt)			Set (Azm)		
	h	m	o	h	m	o	h	m	o
2004 Sep 16	6	30	(85)	12	48	(s41)	19	05	(275)
2004 Sep 17	6	32	(86)	12	48	(s41)	19	02	(274)

Date	Civil		Nautical		Astronomical	
	Morning	Evening	Morning	Evening	Morning	Evening
	h	m	h	m	h	m
2004 Sep 16	5	57	19	38	4	35
2004 Sep 17	5	58	19	36	4	37

Torun

for location: Longitude E 18 37.0
Latitude N 53 02.0
Time Zone UT +2

Date	Rise (Azm)			Trans (Alt)			Set (Azm)		
	h	m	o	h	m	o	h	m	o
2004 Sep 17	6	23	(85)	12	40	(s39)	18	56	(274)
2004 Sep 18	6	25	(86)	12	40	(s39)	18	53	(274)

Date	Civil		Nautical		Astronomical	
	Morning	Evening	Morning	Evening	Morning	Evening
	h	m	h	m	h	m
2004 Sep 17	5	48	19	30	4	23
2004 Sep 18	5	50	19	28	4	25

Frombork

for location: Longitude E 19 41.0
Latitude N 54 21.0
Time Zone UT +2

Date	Rise (Azm)			Trans (Alt)			Set (Azm)		
	h	m	o	h	m	o	h	m	o
2004 Sep 18	6	20	(86)	12	35	(s37)	18	50	(274)
2004 Sep 19	6	22	(87)	12	35	(s37)	18	47	(273)

Date	Civil		Nautical		Astronomical	
	Morning	Evening	Morning	Evening	Morning	Evening
	h	m	h	m	h	m
2004 Sep 18	5	44	19	25	4	15
2004 Sep 19	5	46	19	23	4	18

Grunwald

for location: Longitude E 20 06.0
Latitude N 53 29.0
Time Zone UT +2

Date	Rise (Azm)			Trans (Alt)			Set (Azm)		
	h	m	o	h	m	o	h	m	o
2004 Sep 19	6	20	(87)	12	33	(s38)	18	45	(273)
2004 Sep 20	6	22	(87)	12	33	(s37)	18	43	(272)

Date	Civil		Nautical		Astronomical	
	Morning	Evening	Morning	Evening	Morning	Evening
	h m	h m	h m	h m	h m	h m
2004 Sep 19	5 45	19 20	5 04	20 02	4 19	20 46
2004 Sep 20	5 47	19 17	5 05	19 59	4 21	20 43

Kraków

for location: Longitude E 19 57.0
Latitude N 50 03.0
Time Zone UT +2

Date	Rise (Azm)			Trans (Alt)			Set (Azm)		
	h	m	o	h	m	o	h	m	o
2004 Sep 19	6	22	(87)	12	34	(s41)	18	44	(273)
2004 Sep 20	6	24	(87)	12	34	(s41)	18	42	(272)
2004 Sep 21	6	25	(88)	12	33	(s40)	18	40	(272)

Date	Civil		Nautical		Astronomical	
	Morning	Evening	Morning	Evening	Morning	Evening
	h m	h m	h m	h m	h m	h m
2004 Sep 19	5 50	19 17	5 11	19 55	4 31	20 35
2004 Sep 20	5 51	19 15	5 13	19 53	4 33	20 33
2004 Sep 21	5 53	19 12	5 15	19 50	4 35	20 30