

tikal

Astronomija v arhitekturi in urbanizmu majevske metropole

Ivan Šprajc

Inštitut za antropološke in prostorske študije

Znanstvenoraziskovalni center Slovenske akademije znanosti in umetnosti

Ljubljana









Mezoamerika



Mon
ro Teotep
5300
e a

a



SIERRA MADRE OCCIDENTAL
SIERRA MADRE ORIENTAL
SIERRA MADRE DE CHIAPAS
SIERRA MADRE DE GUATEMALA
SIERRA MADRE DE VERACRUZ
SIERRA MADRE DE TABASCO
SIERRA MADRE DE YUCATÁN

SIERRA MADRE OCCIDENTAL
SIERRA MADRE ORIENTAL
SIERRA MADRE DE CHIAPAS
SIERRA MADRE DE GUATEMALA
SIERRA MADRE DE VERACRUZ
SIERRA MADRE DE TABASCO
SIERRA MADRE DE YUCATÁN

Mehiški
Mehiška kotlina
zaliv
Campeški zaliv
POLOTOK
JUKATAN

Mehiški
Mehiška kotlina
zaliv
Campeški zaliv
POLOTOK
JUKATAN
Honduraski zaliv
Gvatemalska kotlina
Srednjeameriški zaliv

planota
kotlina
Srednjeameriški zaliv

predklasična
doba

klasična
doba

poklasična
doba

2000 pr.n.št.
n.št.

250

900

1521

1521





Calakmul





Uxmal



Palenque







Copán

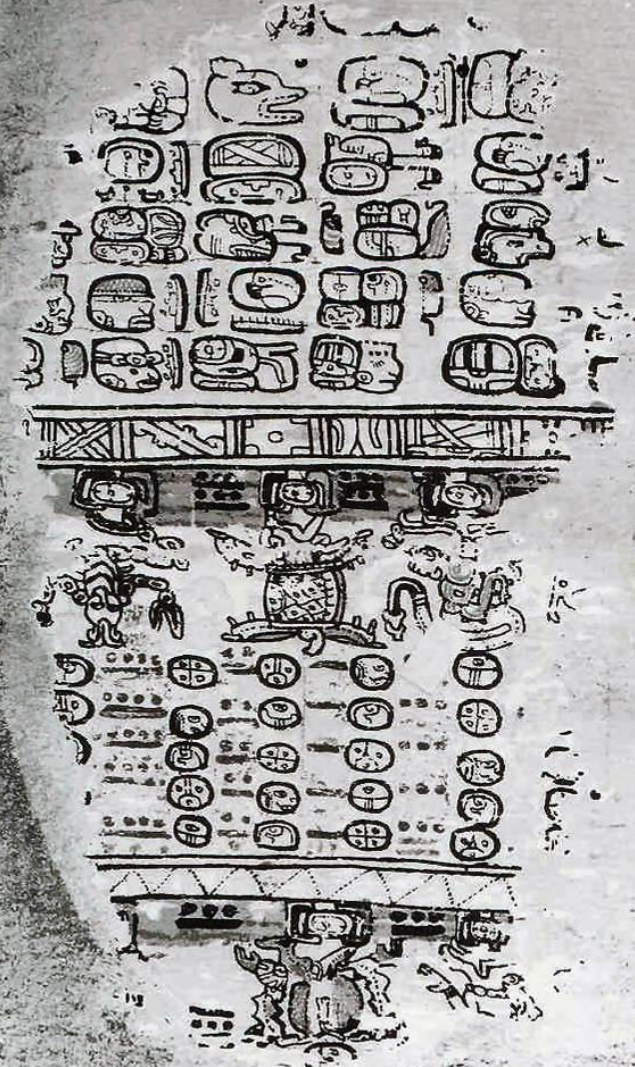
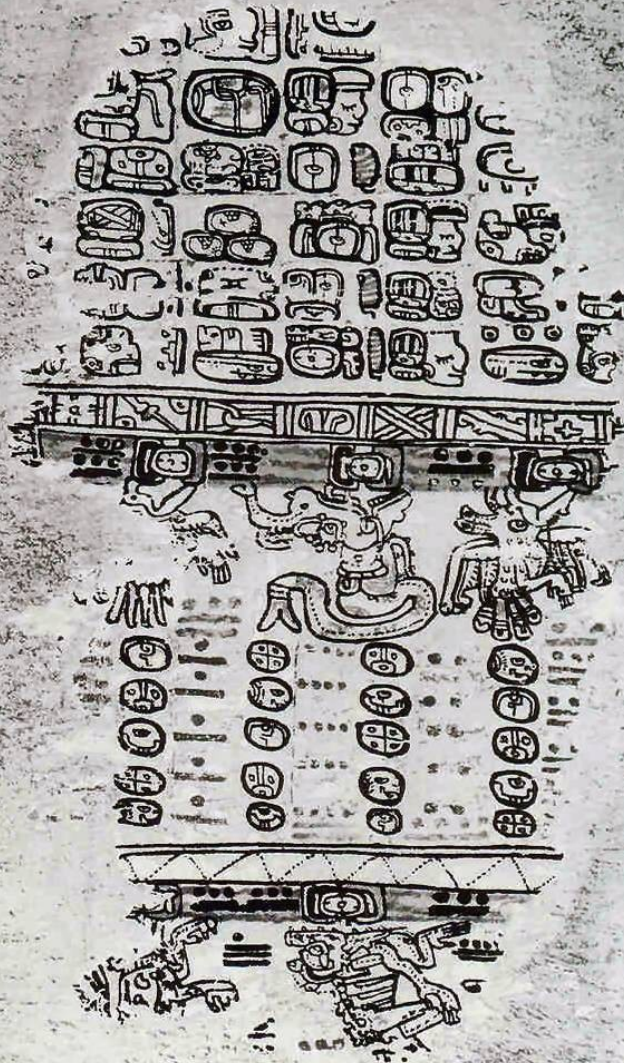


Chichén Itzá

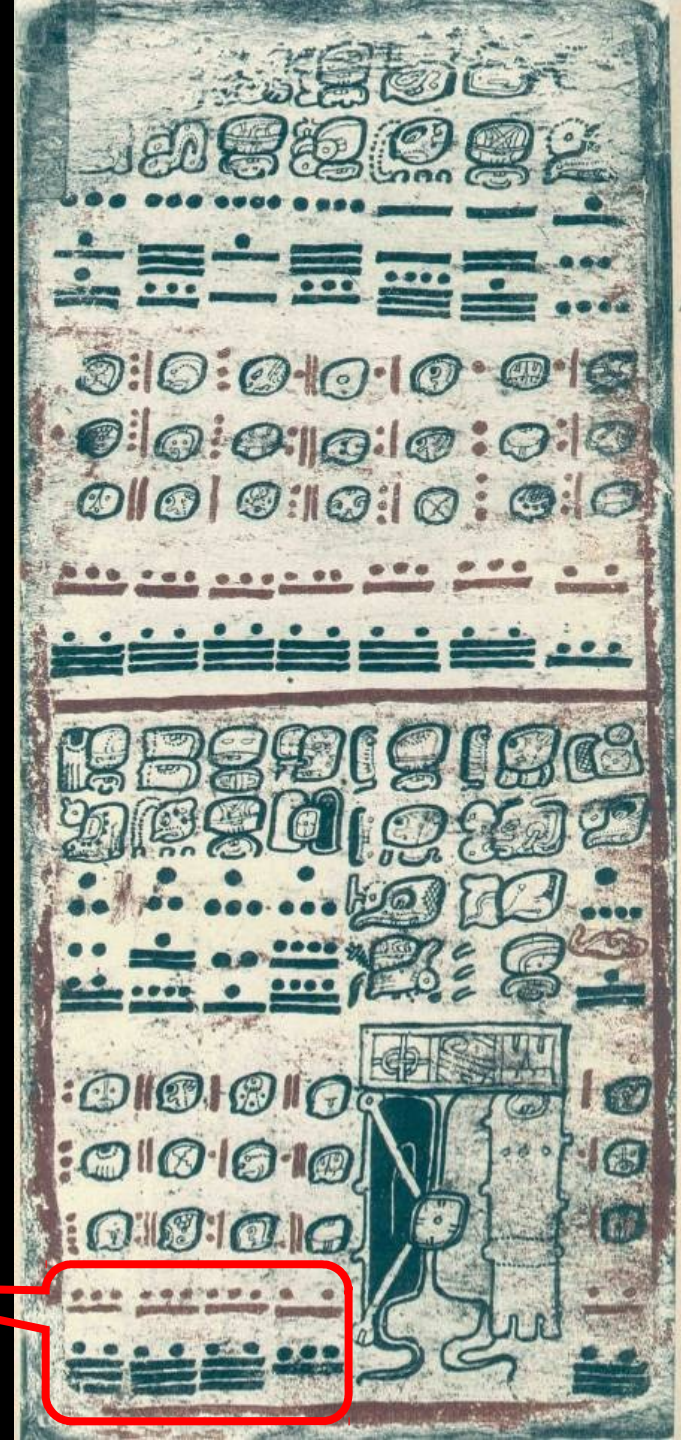




Pariški kodeks,
str. 22 & 23

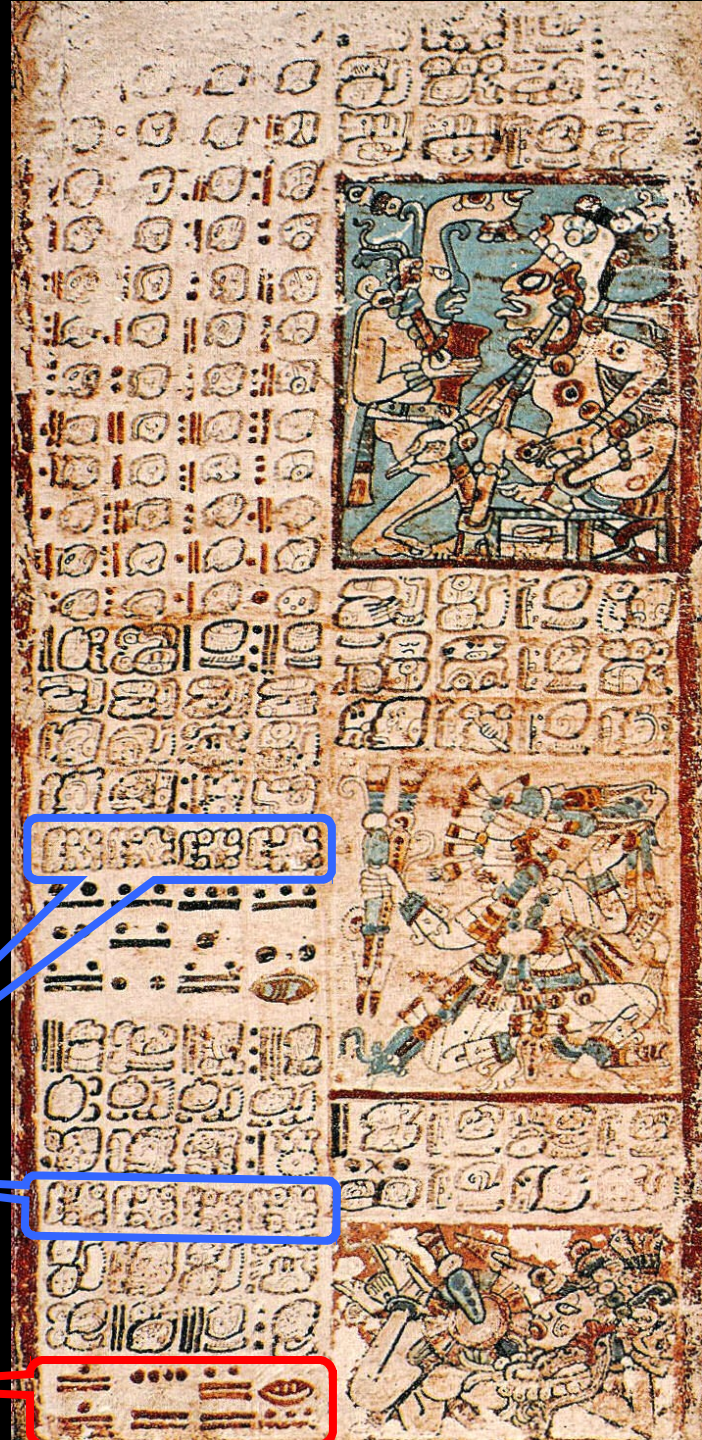


Dresdenski kodeks, str. 54
(Tabela mrkov)



177 177 177 148

Dresdenski kodeks, str. 50
(Venerina tabela)



Venerini glifi

236 90 250 8 (vsota: 584)
(intervali vidnosti/nevidnosti)

Tulum
Castillo



Tulum
Castillo

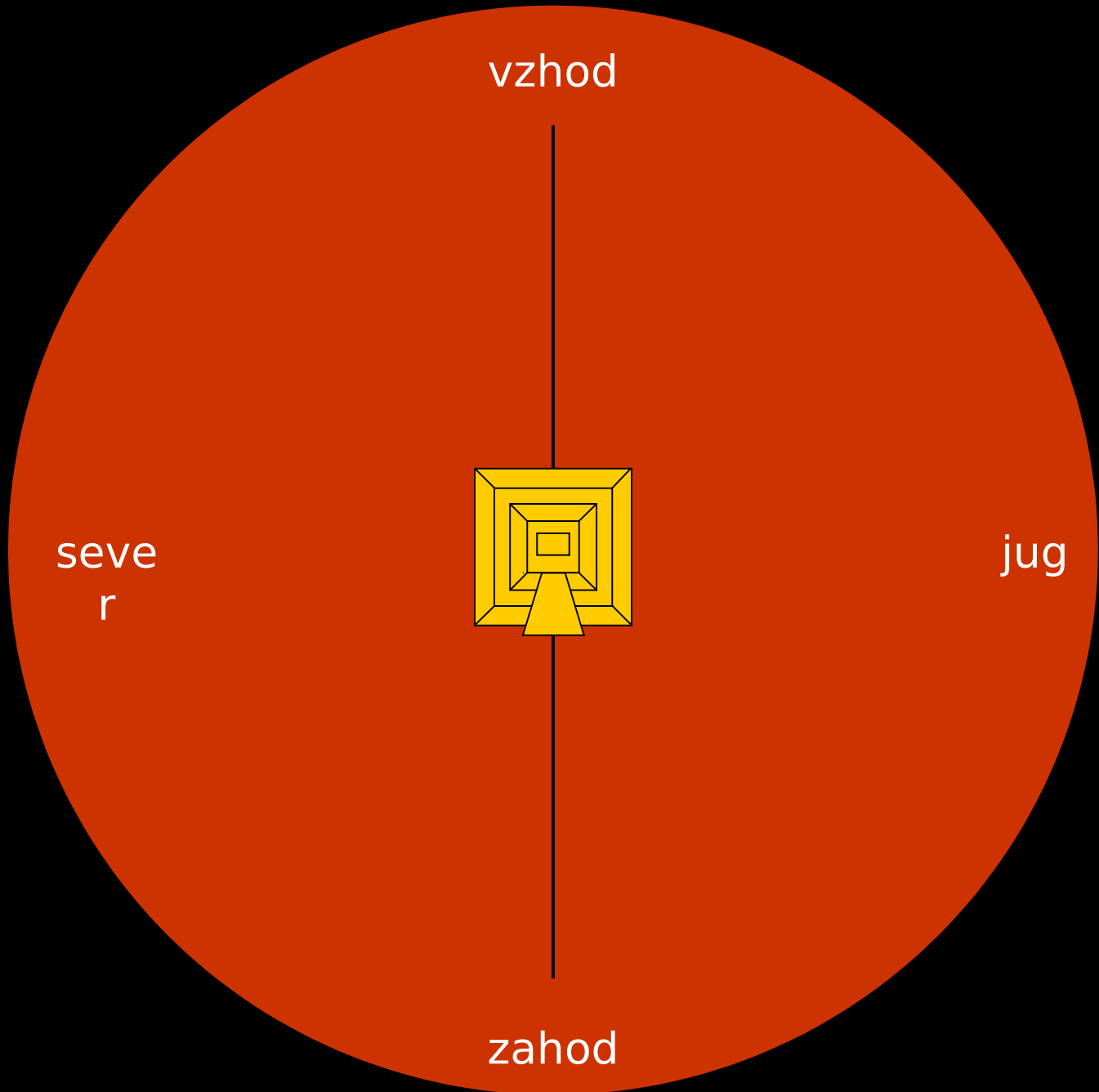


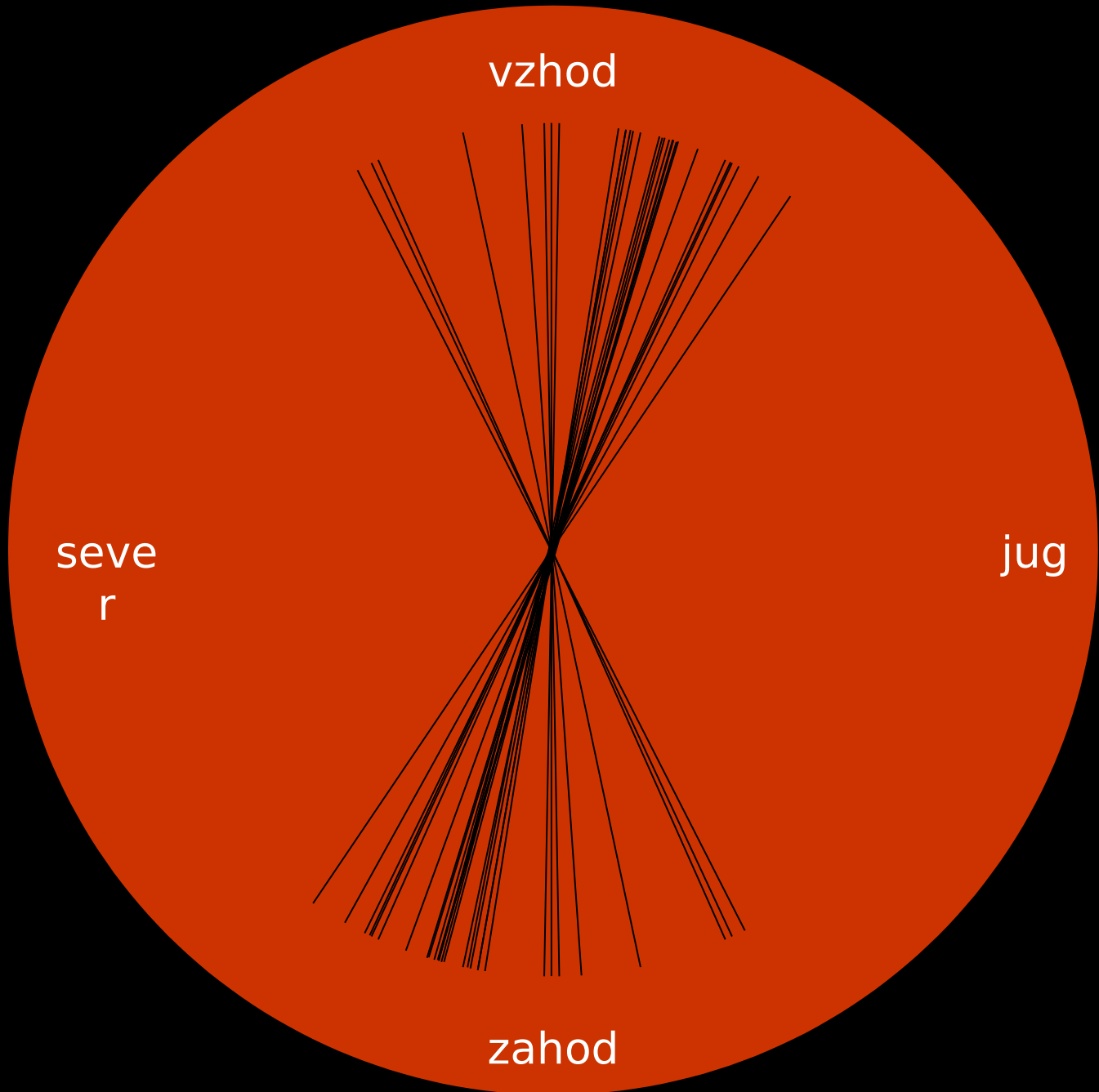
Tulum
Castillo

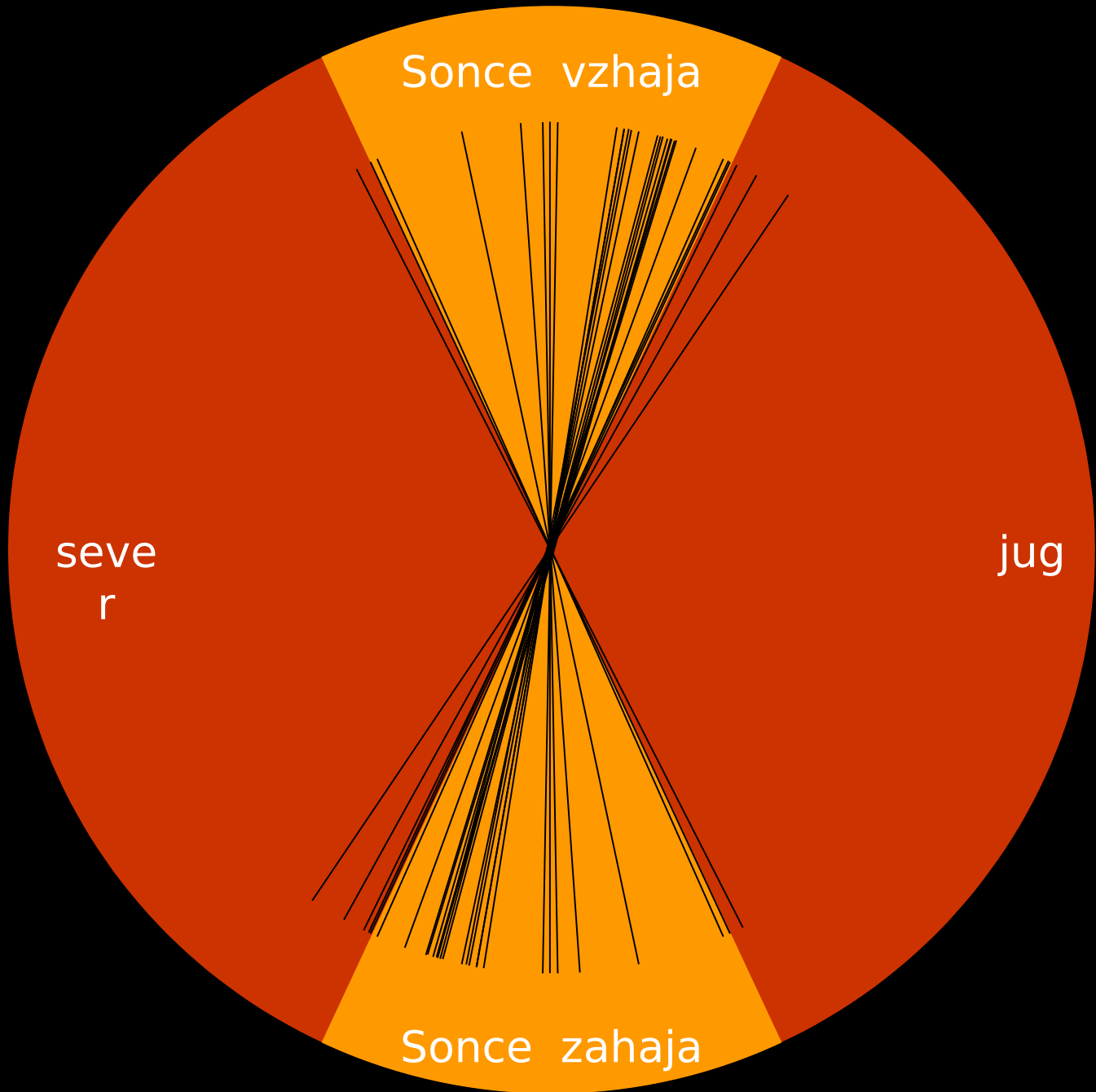


Tulum
Castillo







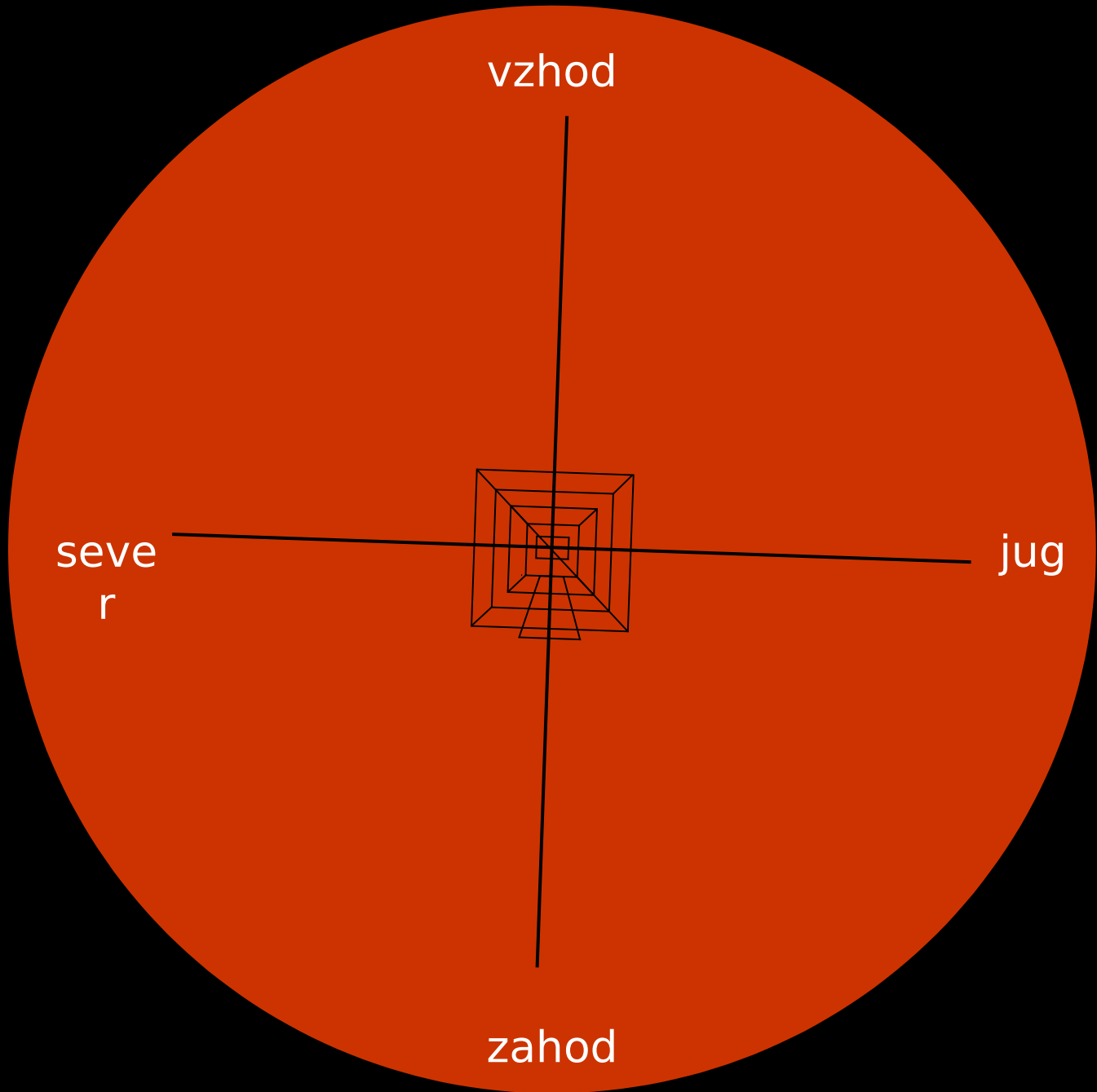


Sonce vzhaja

seve
r

jug

Sonce zahaja

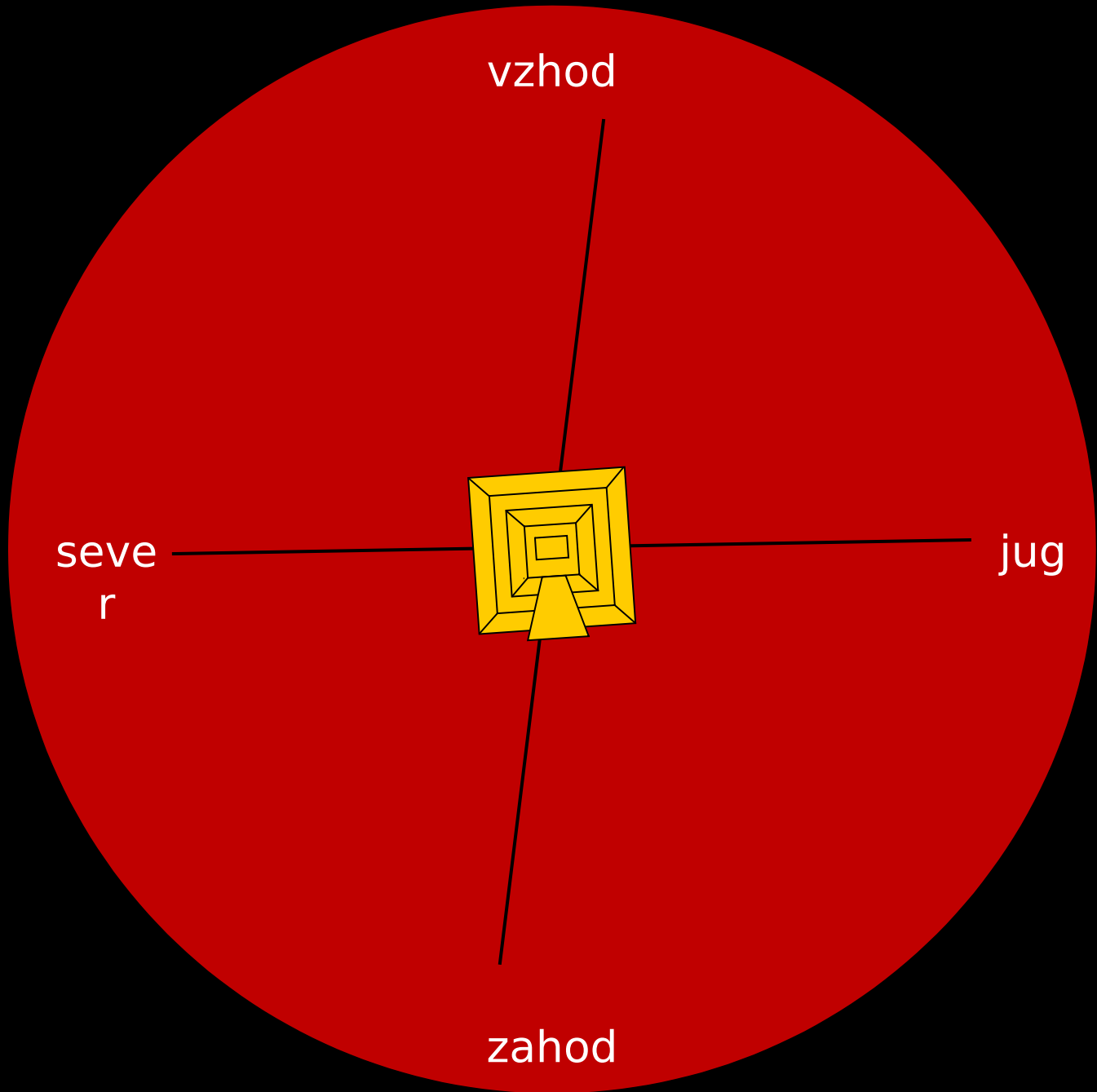


vzhod

seve
r

jug

zahod



vzhod

seve
r

jug

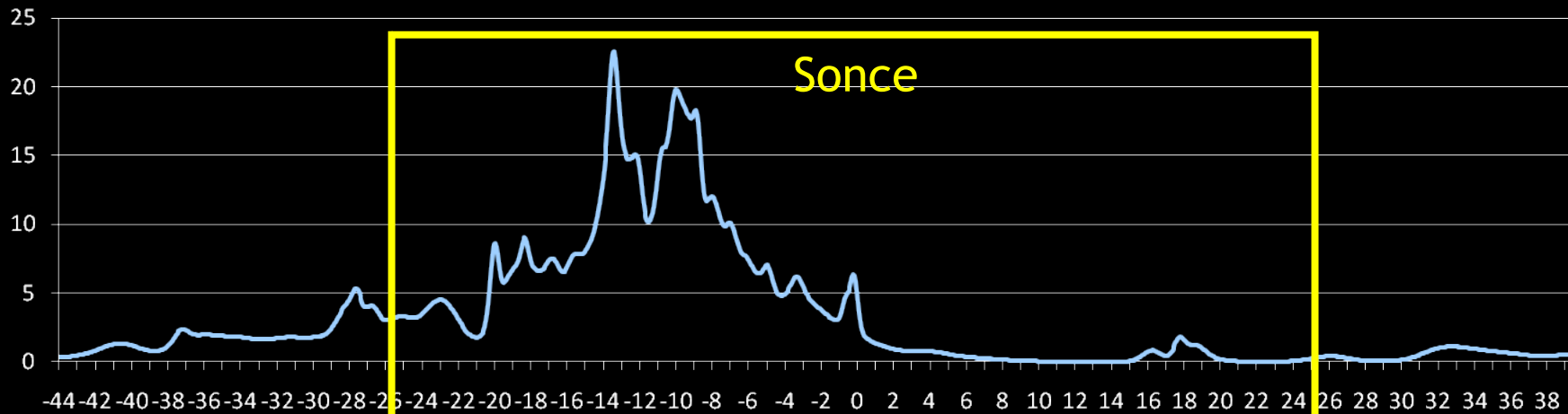
zahod

87 najdišč
271 orientacij

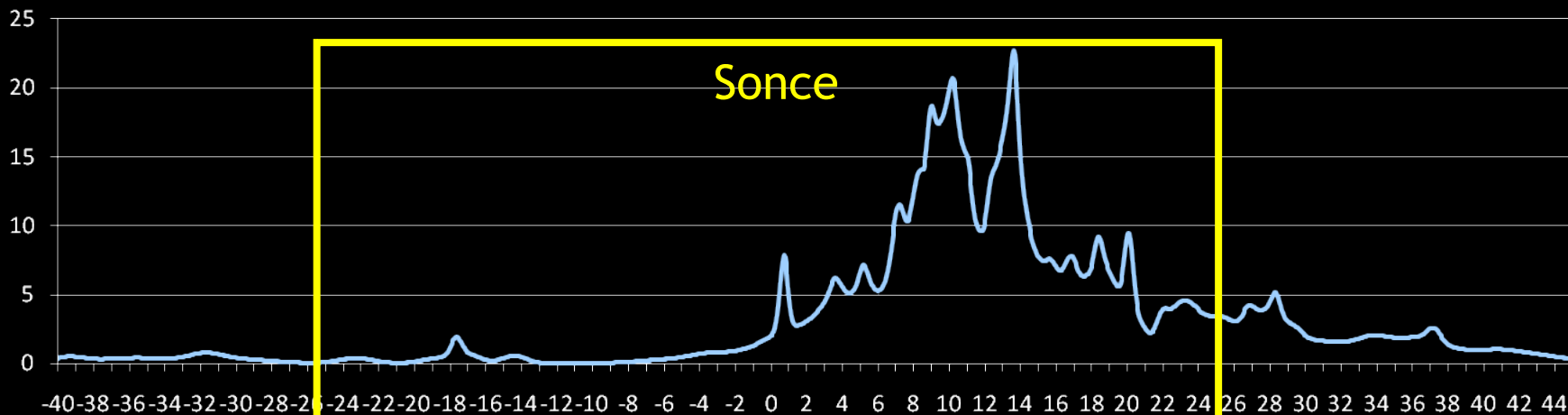




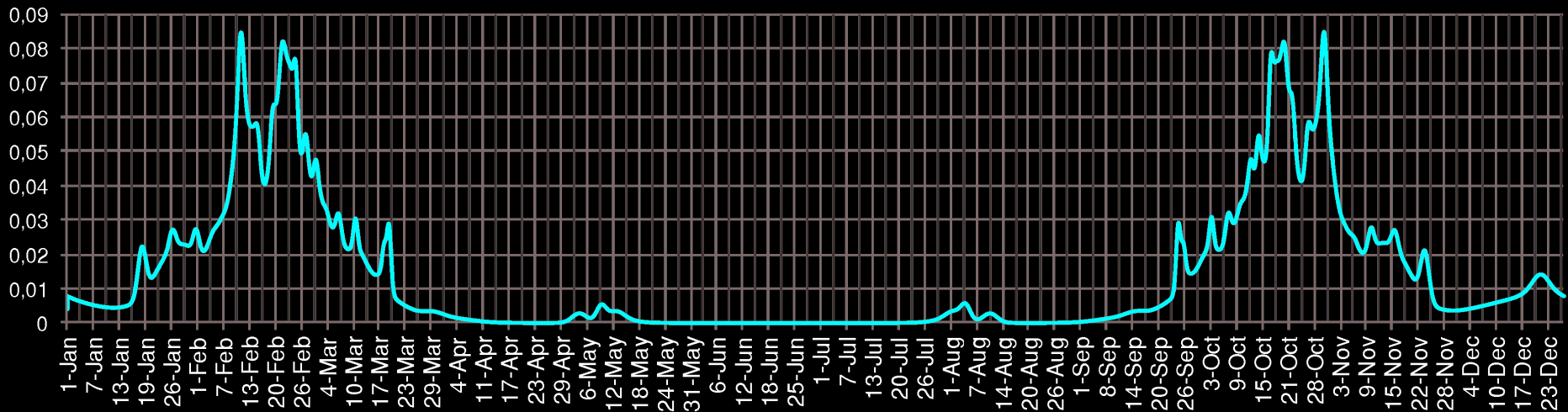
deklinacije vzhod



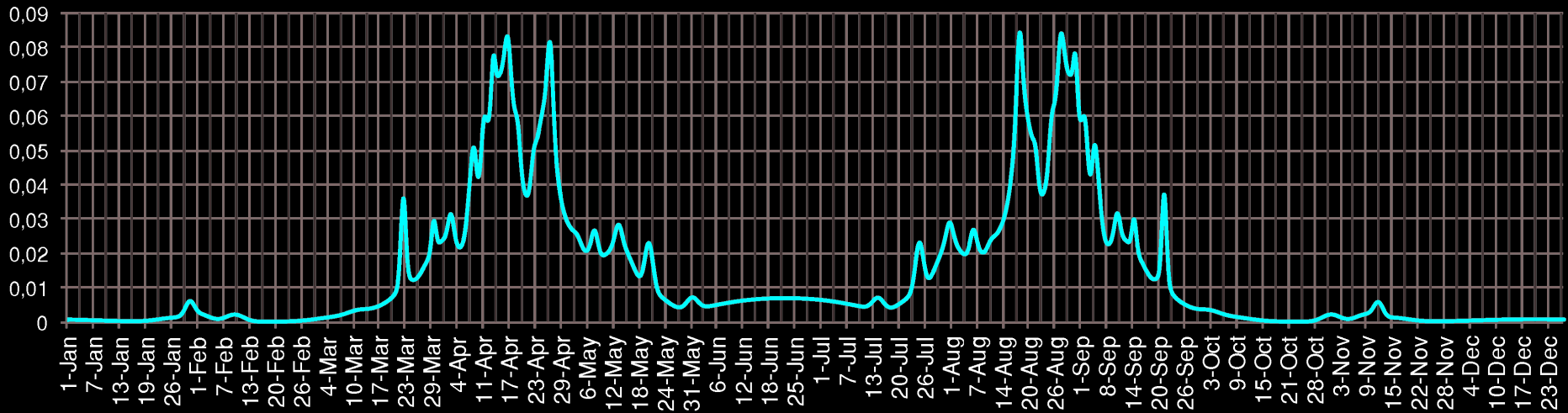
deklinacije zahod



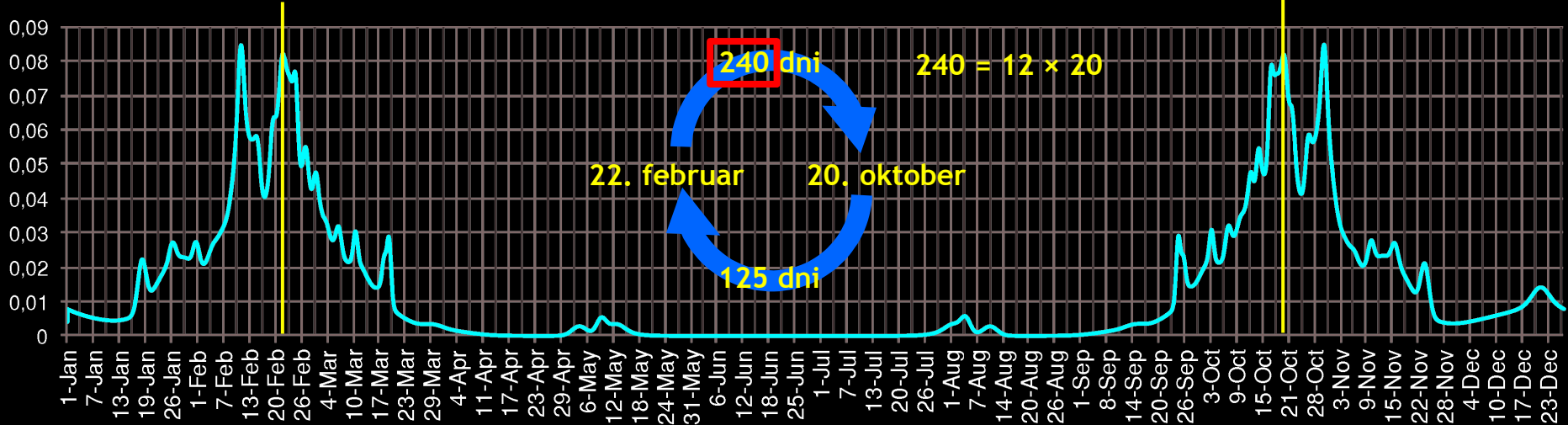
datumi vzhod



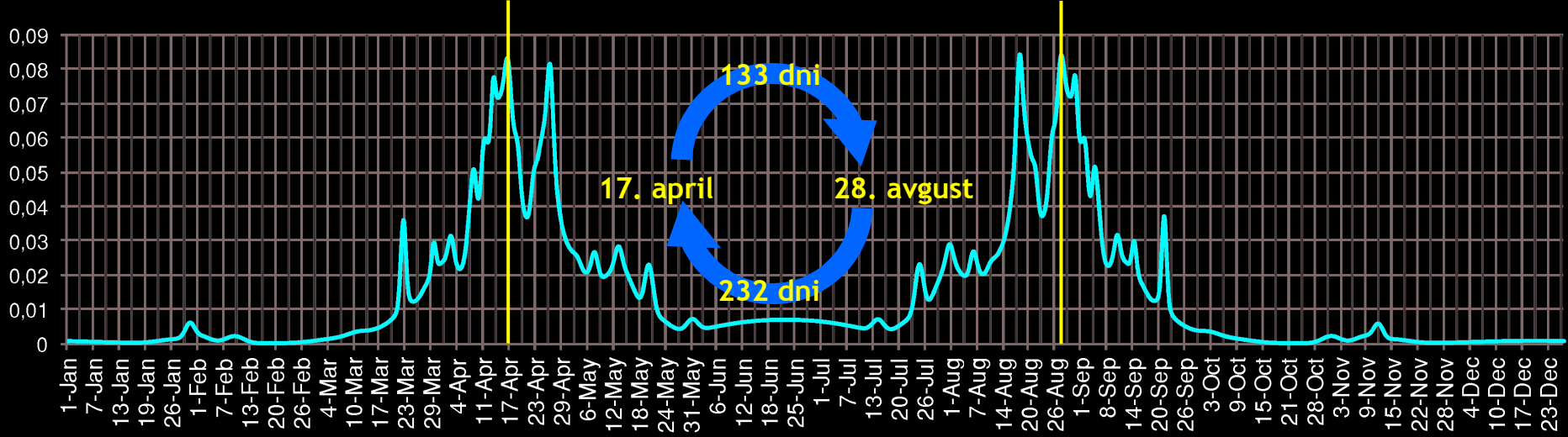
datumi zahod



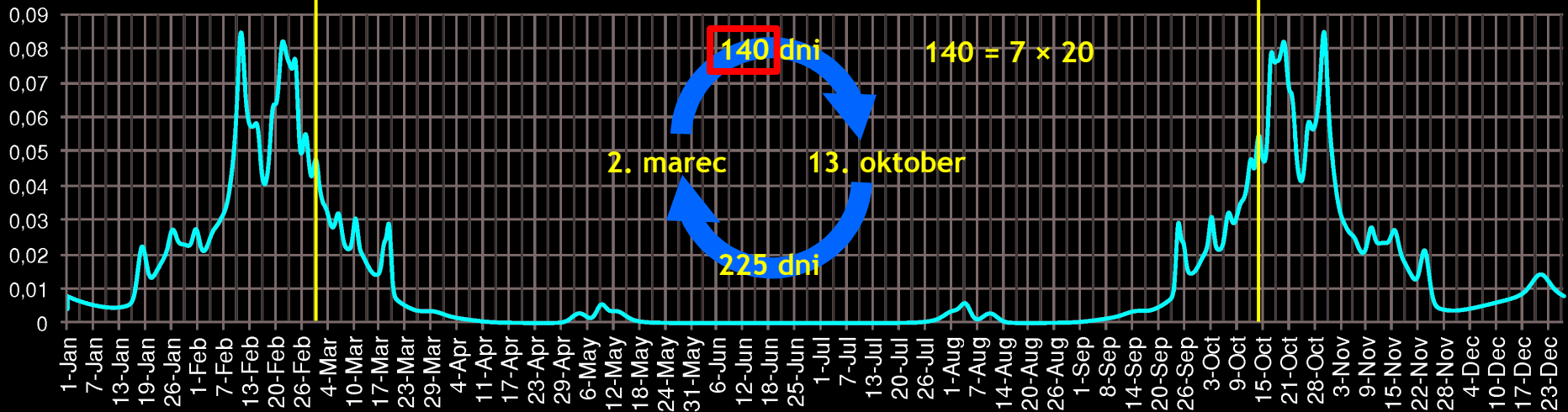
datumi vzhod



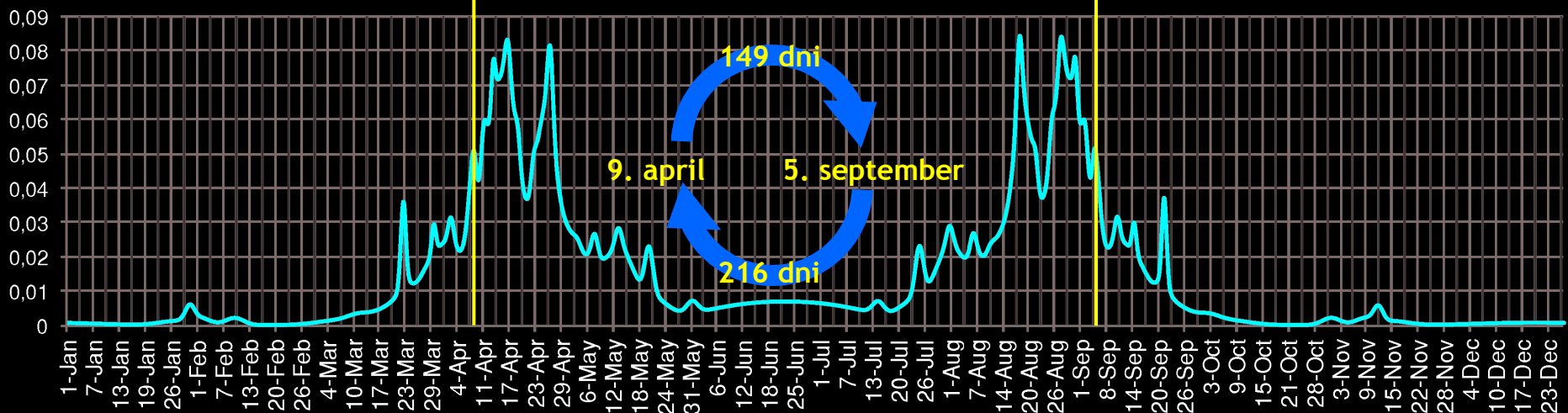
datumi zahod



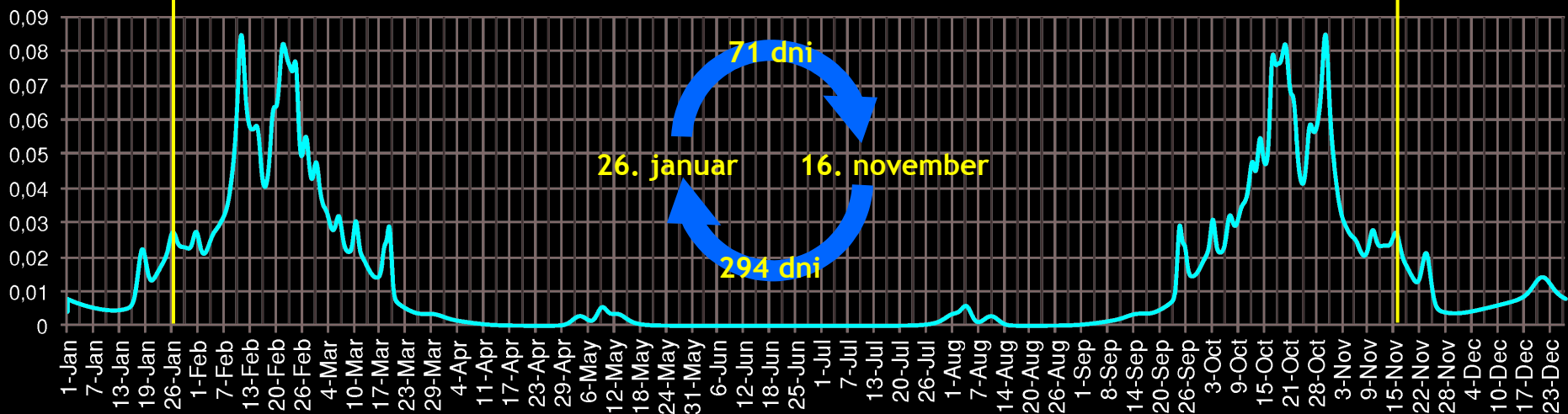
datumi vzhod



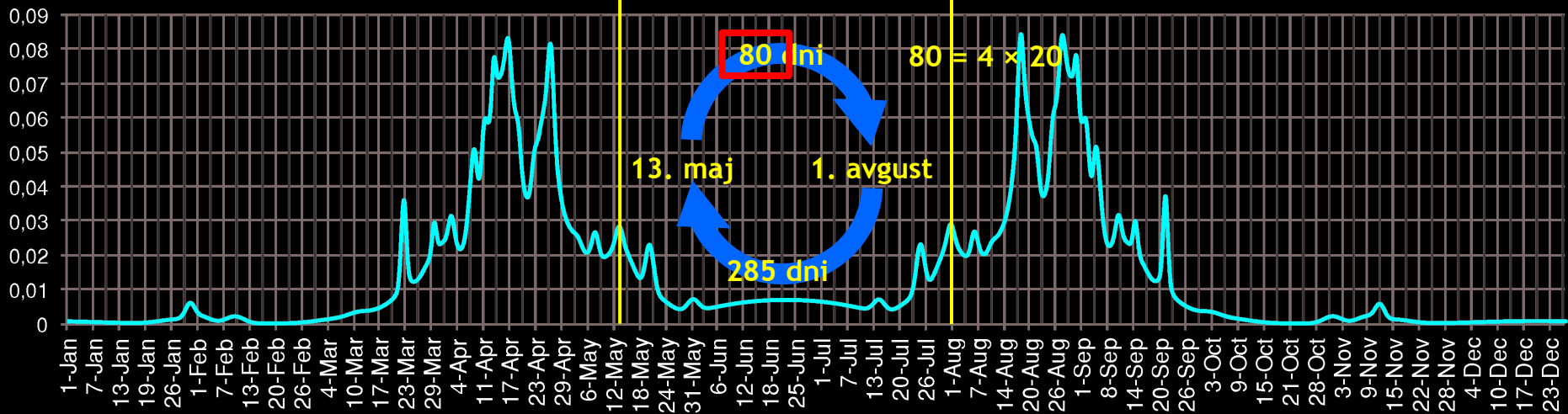
datumi zahod



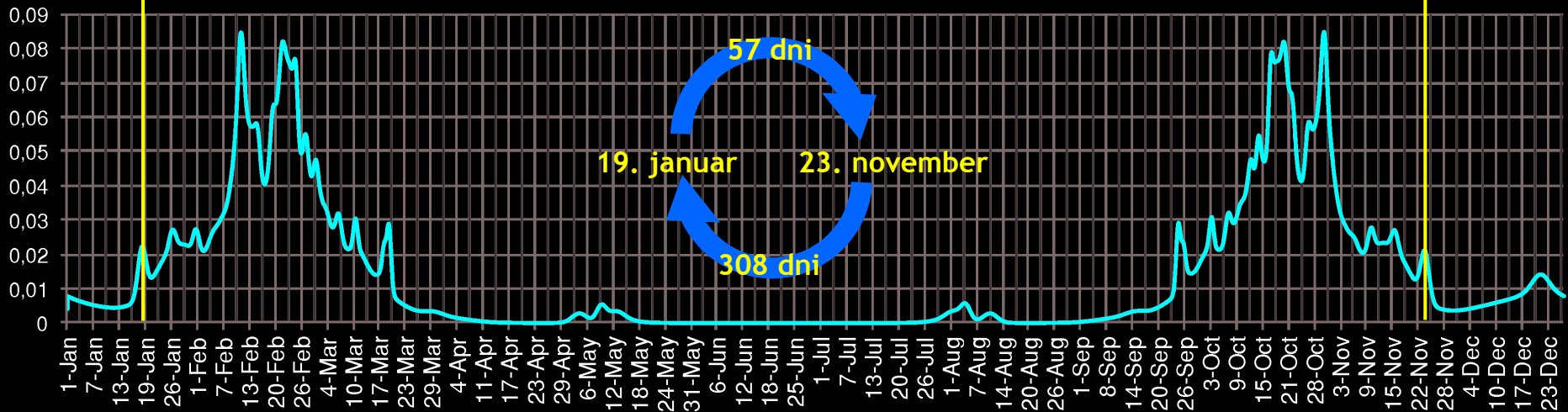
datumi vzhod



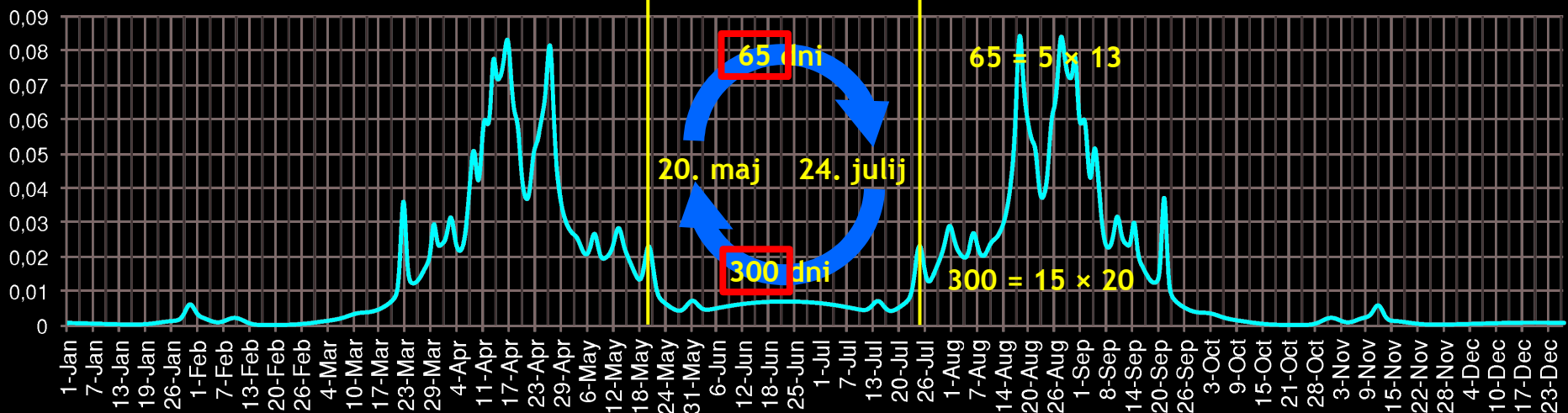
datumi zahod



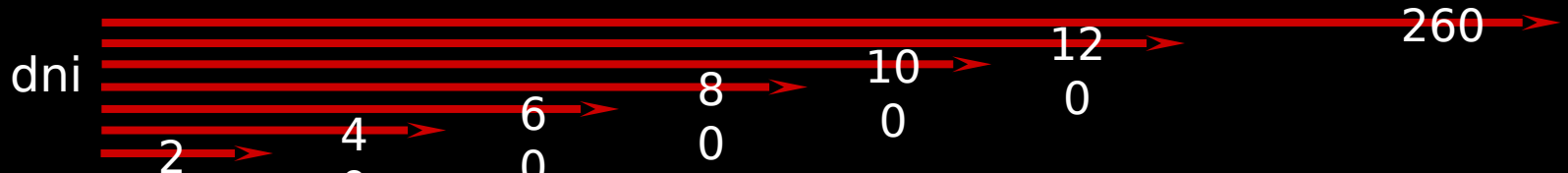
datumi vzhod



datumi zahod



$$20 \times 13 = 260$$



Imix	1	8	2	9	3	10	4	itd.	1
Ik	2	9	3	10	4	11	5	.	
Akbal	3	10	4	11	5	12	6	.	
Kan	4	11	5	12	6	13	7	.	
Chicchán	5	12	6	13	7	1	8	.	
Cimí	6	13	7	1	8	2	9	.	
Manik	7	1	8	2	9	3	10	.	
Lamat	8	2	9	3	10	4	11	.	
Muluc	9	3	10	4	11	5	12	.	
Oc	10	4	11	5	12	6	13	.	
Chuen	11	5	12	6	13	7	1	.	
Eb	12	6	13	7	1	8	2	.	
Ben	13	7	1	8	2	9	3	.	
Ix	1	8	2	9	3	10	4	.	
Men	2	9	3	10	4	11	5	.	
Cib	3	10	4	11	5	12	6	.	
Cabán	4	11	5	12	6	13	7	.	
Edznab	5	12	6	13	7	1	8	.	
Cauac	6	13	7	1	8	2	9	.	
Ahau	7	1	8	2	9	3	10	.	



Tikal

Severna akropola



Tempelj II

Tempelj I

Tempelj III

Tempelj V

Mundo Perdido

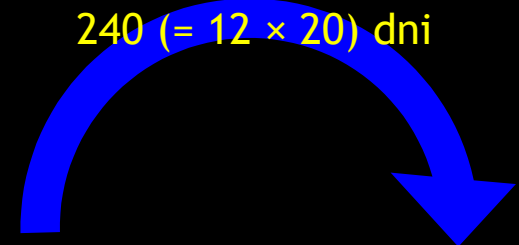
Image © 2012 GeoEye

Google™ e

Tikal
Severna akropola
Struktura 5D-22

Sončev vzhod:

240 (= 12 × 20) dni

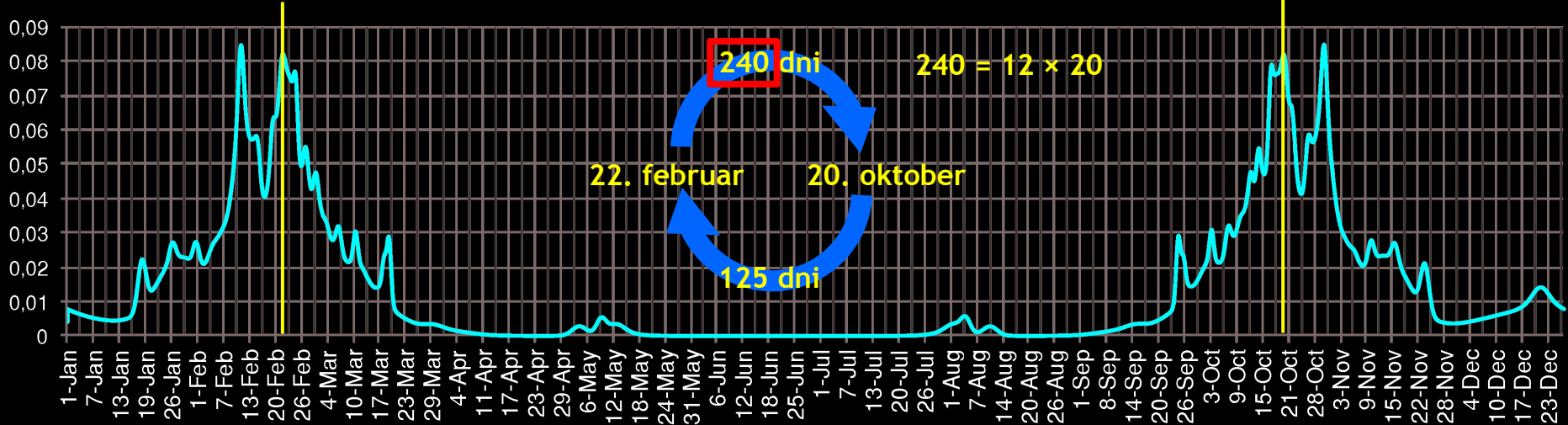


22. februar

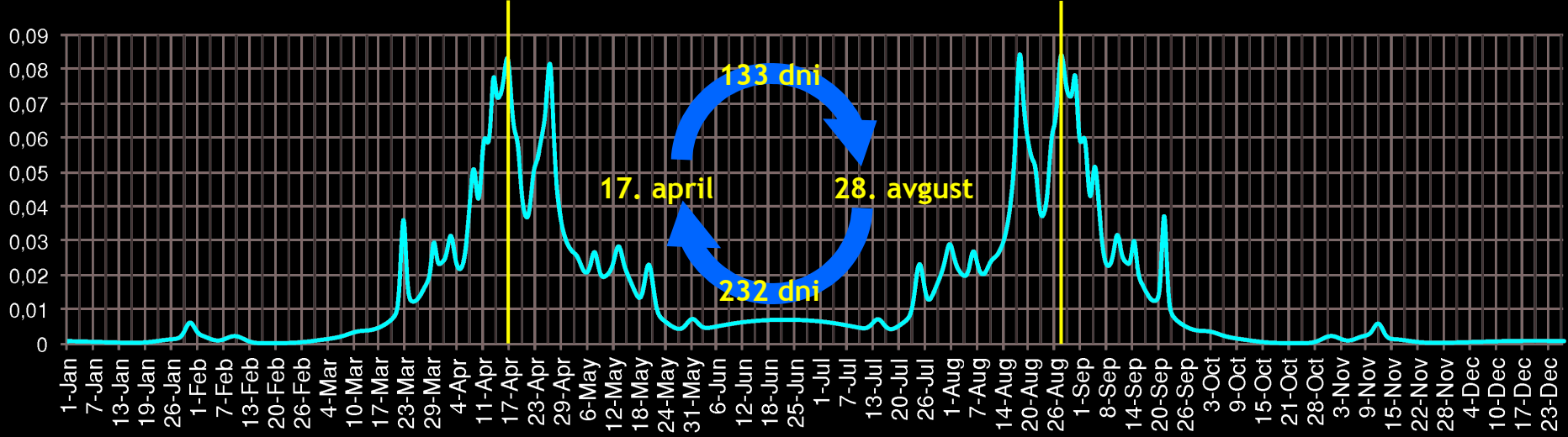
20. oktober



datumi vzhod



datumi zahod



Tikal Tempel II



Tikal Tempel II



Tikal
Tempel II



