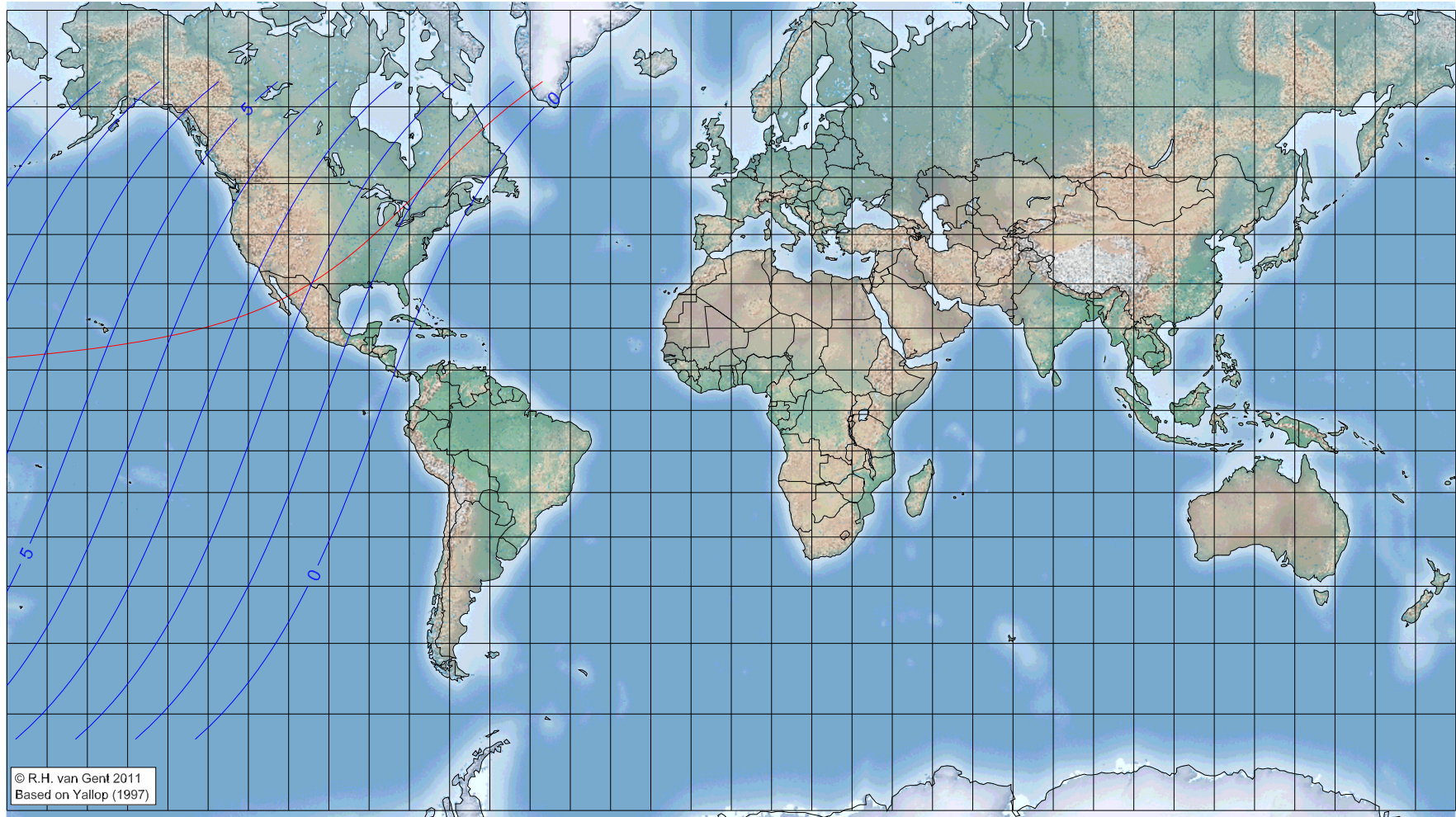


First visibility lunar crescent for Rajab 1433 AH

Global visibility map for 20 May 2012 [Sunday]

Day of luni-solar conjunction



Astronomical New Moon: 20 May 2012, 23h 47.0m (UTC)

$\Delta T = 1.1$ min

First visibility (●)

Longitude (°) Latitude (°) Lunar age (h)

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – may need optical aid before visible to the unaided eye
- D – only visible with binoculars or a telescope
- E – Danjon limit (8°) – invisible even with optical aid

not visible until the next evening
not visible until the next evening
not visible until the next evening
not visible until the next evening
not visible until the next evening

Astronomical (Brown) Lunation Number = 1106

Islamic Lunation Number = 17191

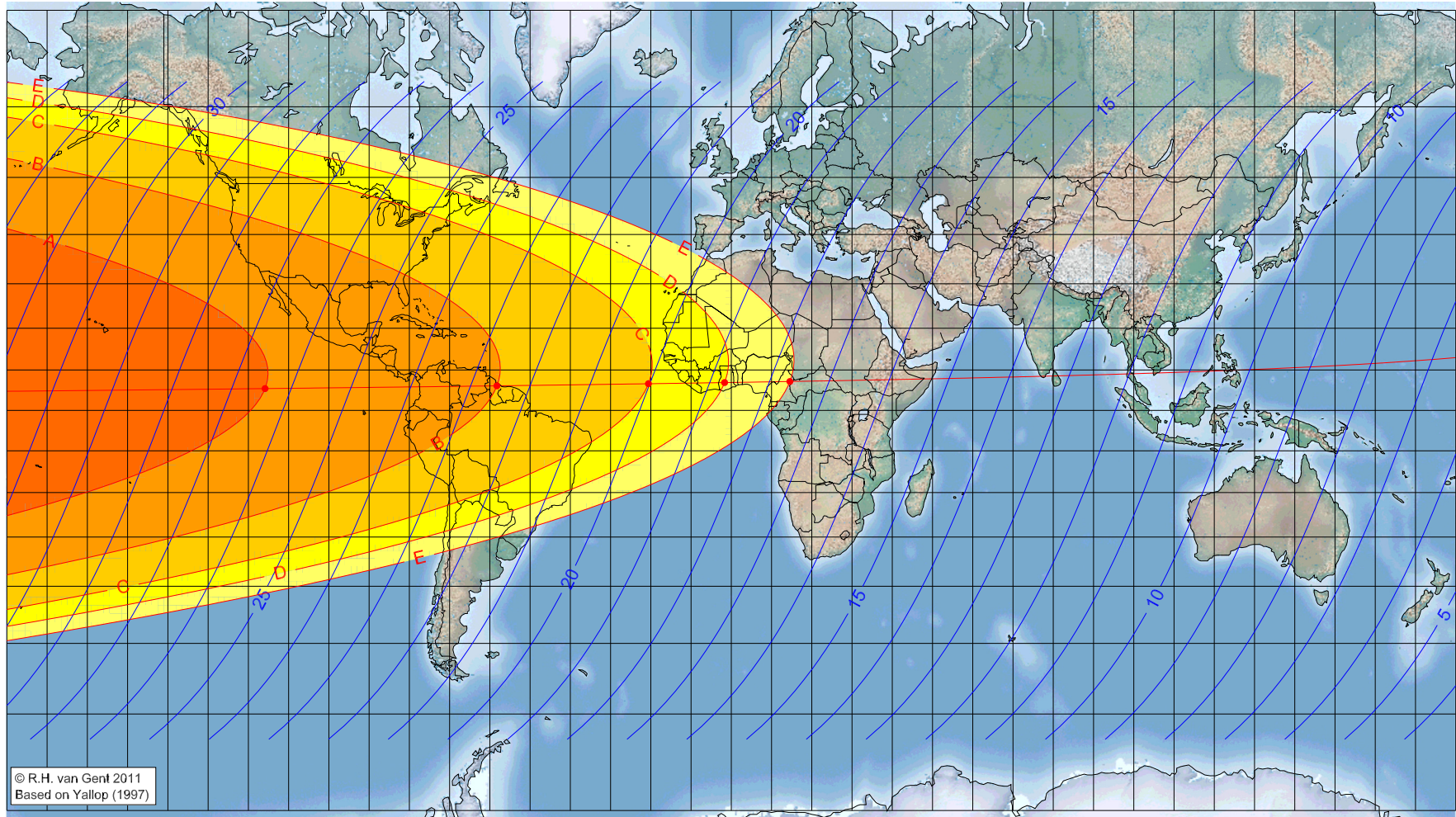
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

More info: <http://www.staff.science.uu.nl/~gent0113/>

First visibility lunar crescent for Rajab 1433 AH

Global visibility map for 21 May 2012 [Monday]

Day after luni-solar conjunction



Astronomical New Moon: 20 May 2012, 23h 47.0m (UTC)

$\Delta T = 1.1$ min

First visibility (●)

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – may need optical aid before visible to the unaided eye
- D – only visible with binoculars or a telescope
- E – Danjon limit (8°) – invisible even with optical aid

Longitude ($^\circ$)	Latitude ($^\circ$)	Lunar age (h)
-115.85	5.41	26.44
-58.24	6.09	22.56
-20.59	6.61	20.02
-1.67	6.90	18.75
14.55	7.16	17.66

Astronomical (Brown) Lunation Number = 1106

Islamic Lunation Number = 17191

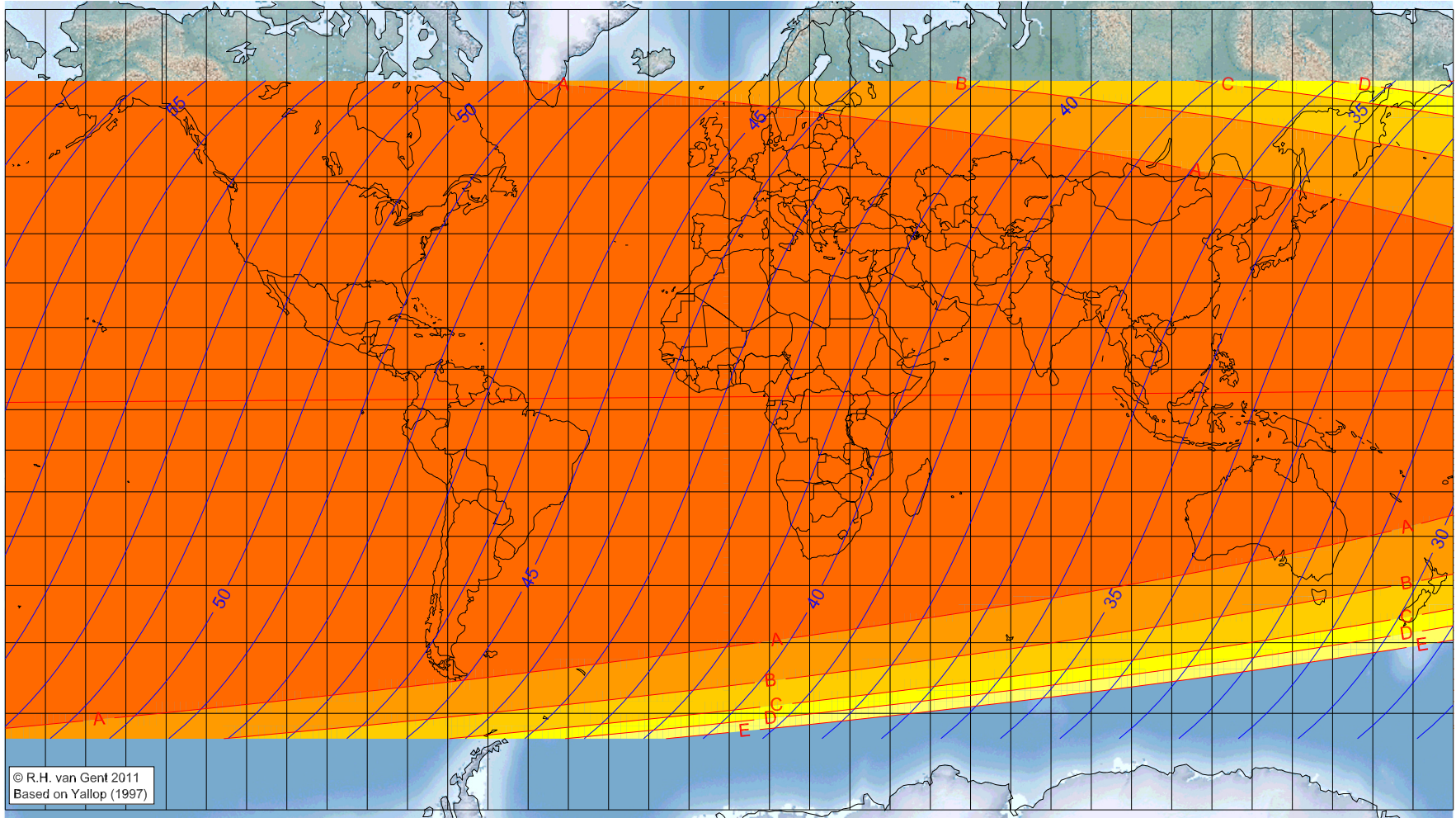
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

More info: <http://www.staff.science.uu.nl/~gent0113/>

First visibility lunar crescent for Rajab 1433 AH

Global visibility map for 22 May 2012 [Tuesday]

Second day after luni-solar conjunction



Astronomical New Moon: 20 May 2012, 23h 47.0m (UTC)

$$\Delta T = 1.1 \text{ min}$$

Astronomical (Brown) Lutation Number = 1106

Islamic Luration Number = 17191

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – may need optical aid before visible to the unaided eye
- D – only visible with binoculars or a telescope
- E – Donjon limit (8°) – invisible even with optical aid

Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

More info: <http://www.staff.science.uu.nl/~gent0113/>