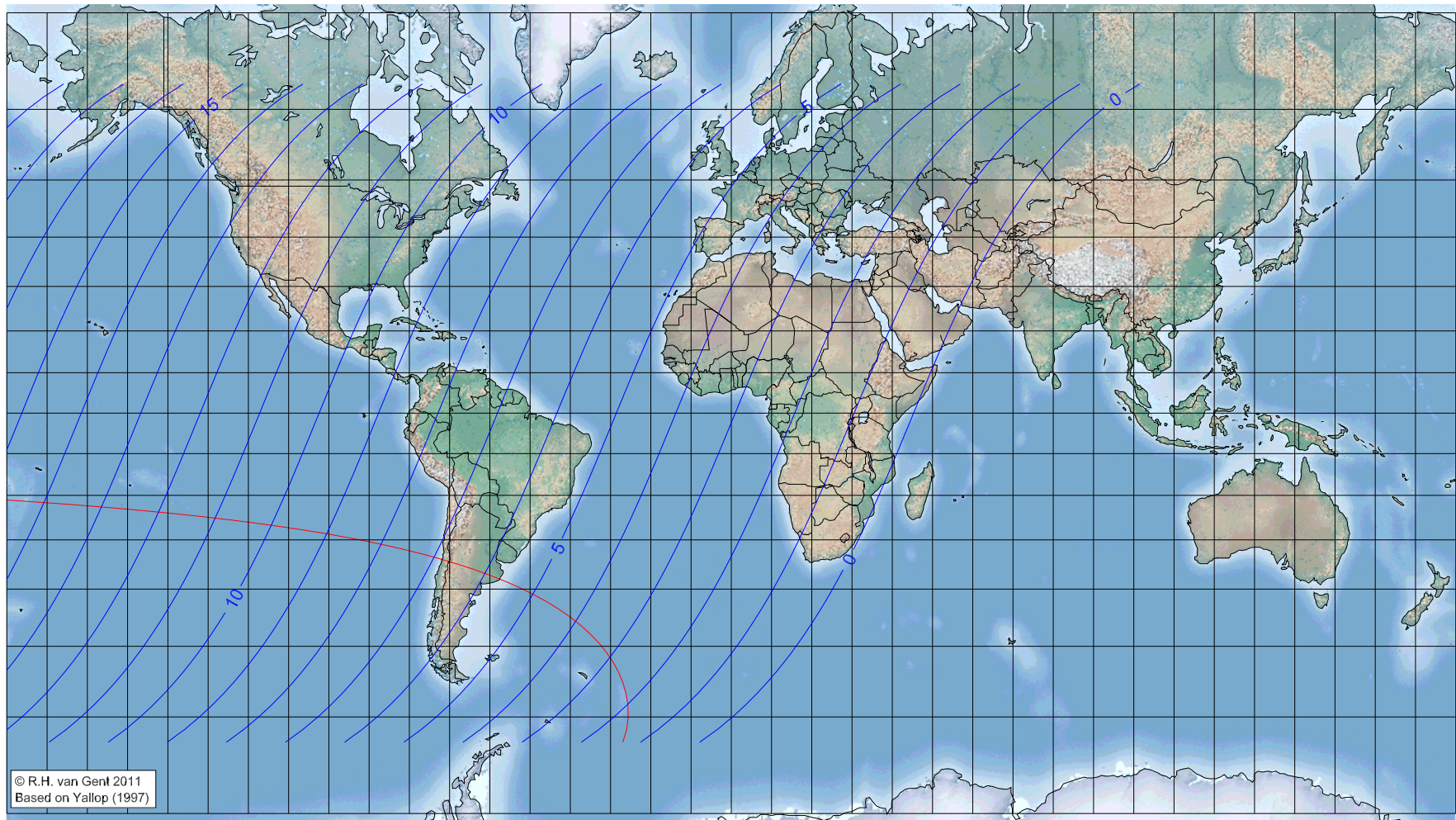


# First visibility lunar crescent for Sha'bān 1433 AH

Global visibility map for 19 June 2012 [Tuesday]

Day of luni-solar conjunction



Astronomical New Moon: 19 June 2012, 15h 2.1m (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 = 1107

Islamic Lunation Number = 17192

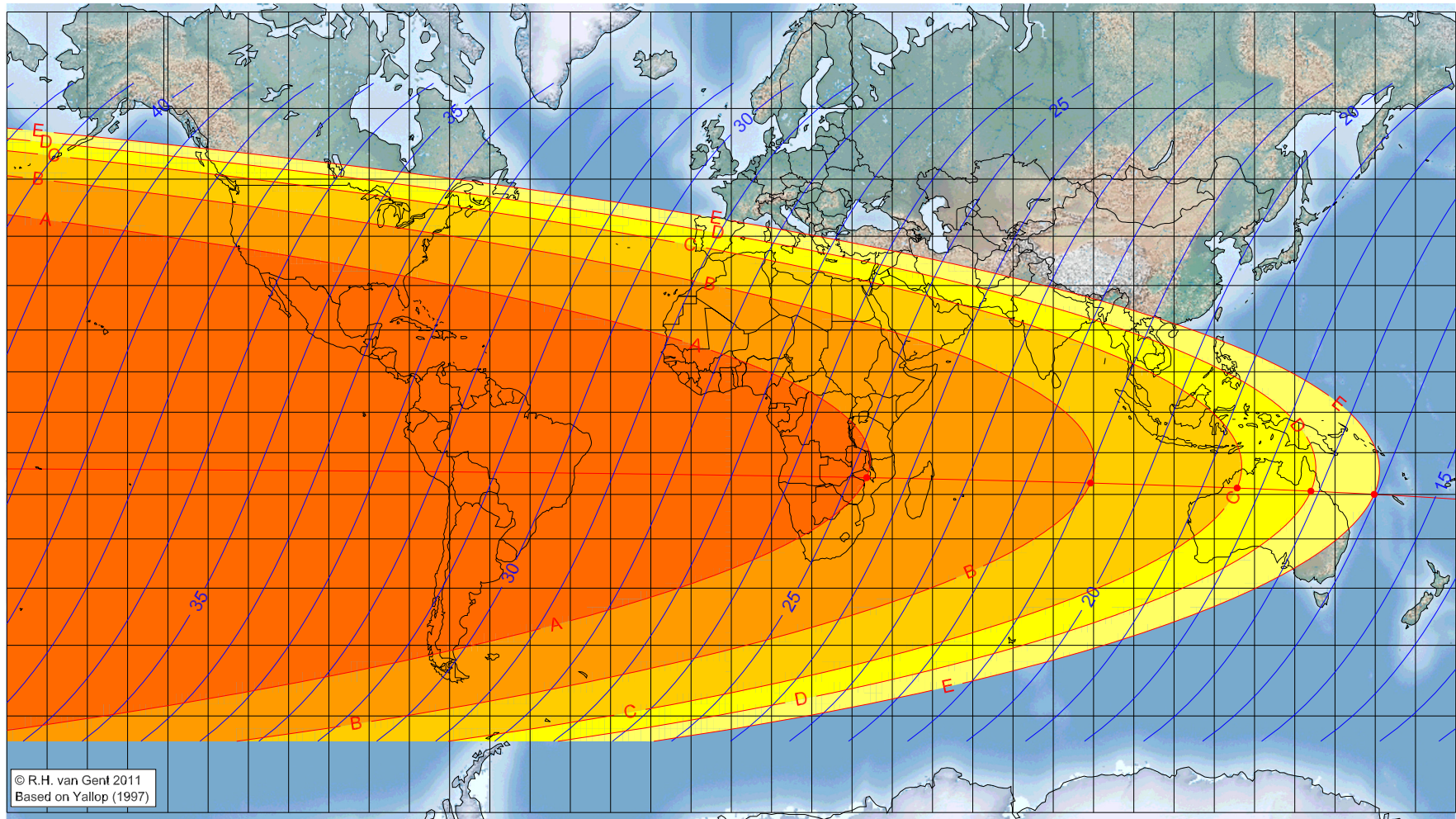
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

# First visibility lunar crescent for Sha'bān 1433 AH

Global visibility map for 20 June 2012 [Wednesday]

Day after luni-solar conjunction



Astronomical New Moon: 19 June 2012, 15h 2.1m (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 ( $8^\circ$ ) – invisible even with optical aid

Longitude ( $^\circ$ )	Latitude ( $^\circ$ )	Lunar age (h)
33.64	-16.04	24.71
89.26	-17.32	20.91
125.69	-18.50	18.40
144.02	-19.24	17.14
159.74	-19.98	16.05

Astronomical (Brown) Lunation Number = 1107

Islamic Lunation Number = 17192

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

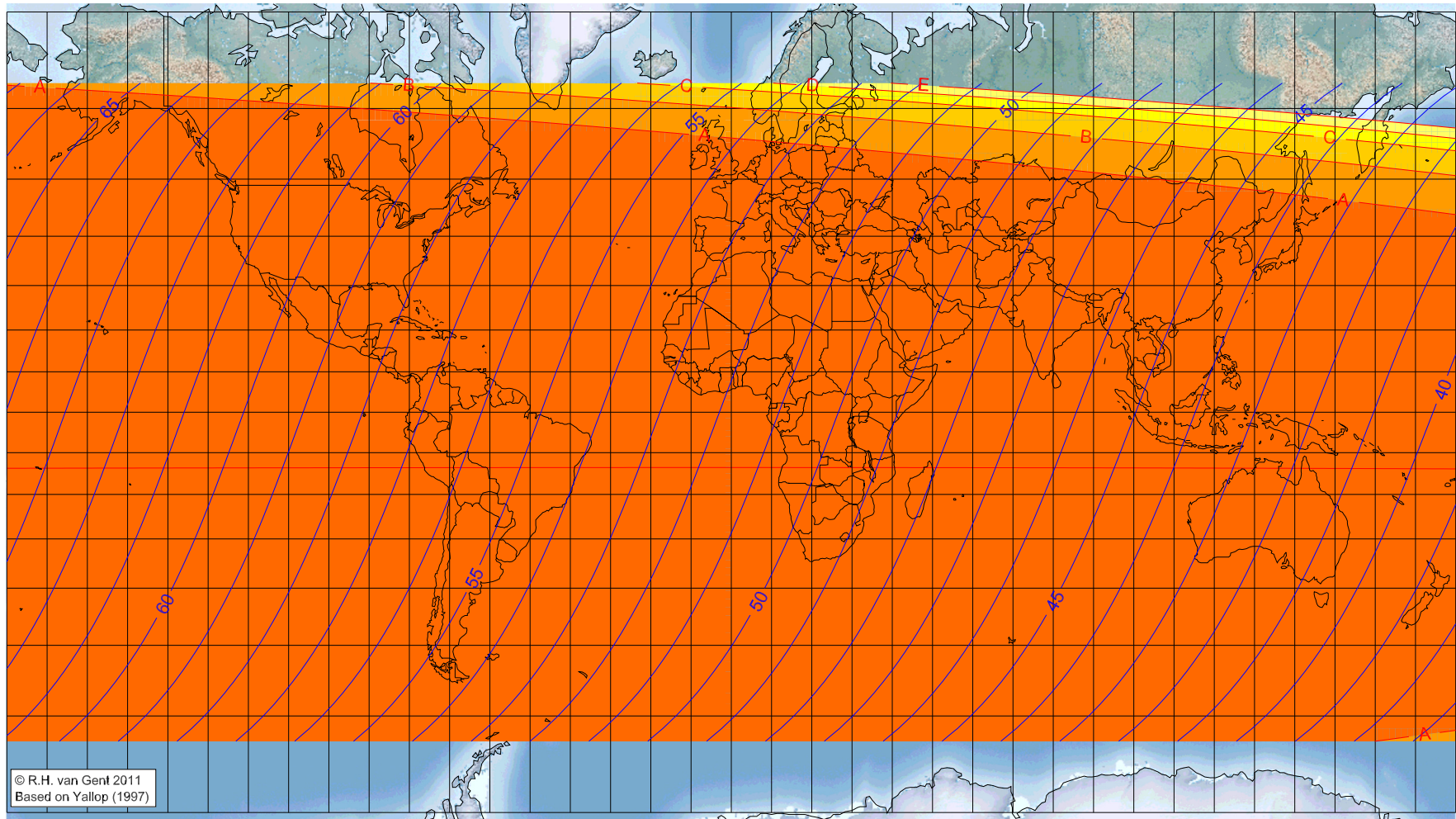
More info: <http://www.staff.science.uu.nl/~gent0113/>



# First visibility lunar crescent for Sha'bān 1433 AH

Global visibility map for 21 June 2012 [Thursday]

Second day after luni-solar conjunction



Astronomical New Moon: 19 June 2012, 15h 2.1m (UTC)

$\Delta T = 1.1$  min

Astronomical (Brown) Lunation Number = 1107

Islamic Lunation Number = 17192

- 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 ( $8^\circ$ ) – 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/>