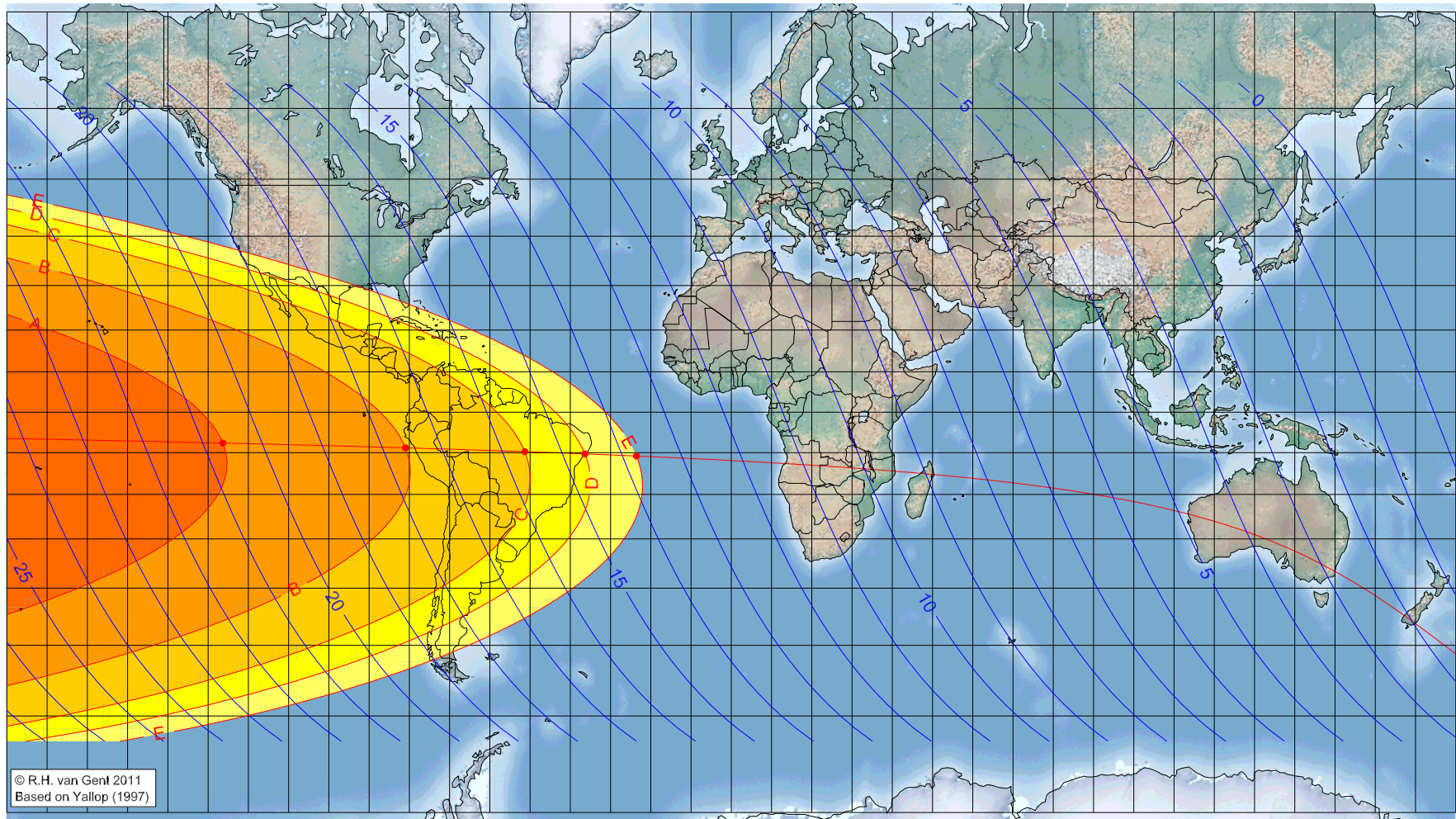


# First visibility lunar crescent for Muḥarram 1433 AH

Global visibility map for 25 November 2011 [Friday]

Day of luni-solar conjunction



Astronomical New Moon: 25 November 2011, 6h 9.6m (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)
-126.33	-7.64	20.66
-80.97	-8.82	17.61
-51.30	-9.76	15.62
-36.38	-10.30	14.62
-23.56	-10.82	13.76

Astronomical (Brown) Lunation Number = 1100

Islamic Lunation Number = 17185

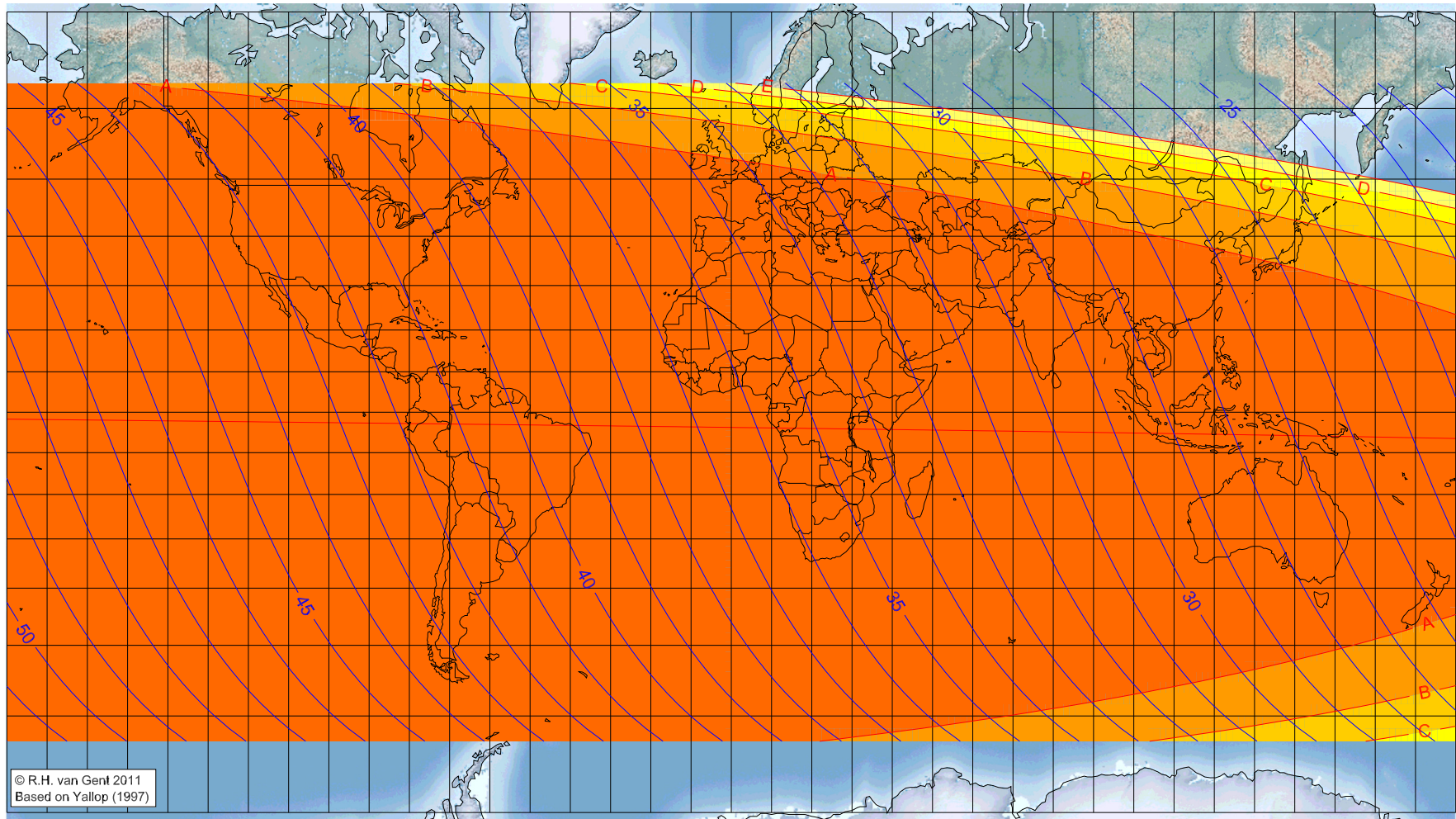
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

# First visibility lunar crescent for Muḥarram 1433 AH

Global visibility map for 26 November 2011 [Saturday]

Day after luni-solar conjunction



Astronomical New Moon: 25 November 2011, 6h 9.6m (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 ( $8^\circ$ ) – invisible even with optical aid

visible on the previous evening  
visible on the previous evening  
visible on the previous evening  
visible on the previous evening  
visible on the previous evening

Astronomical (Brown) Lunation Number = 1100

Islamic Lunation Number = 17185

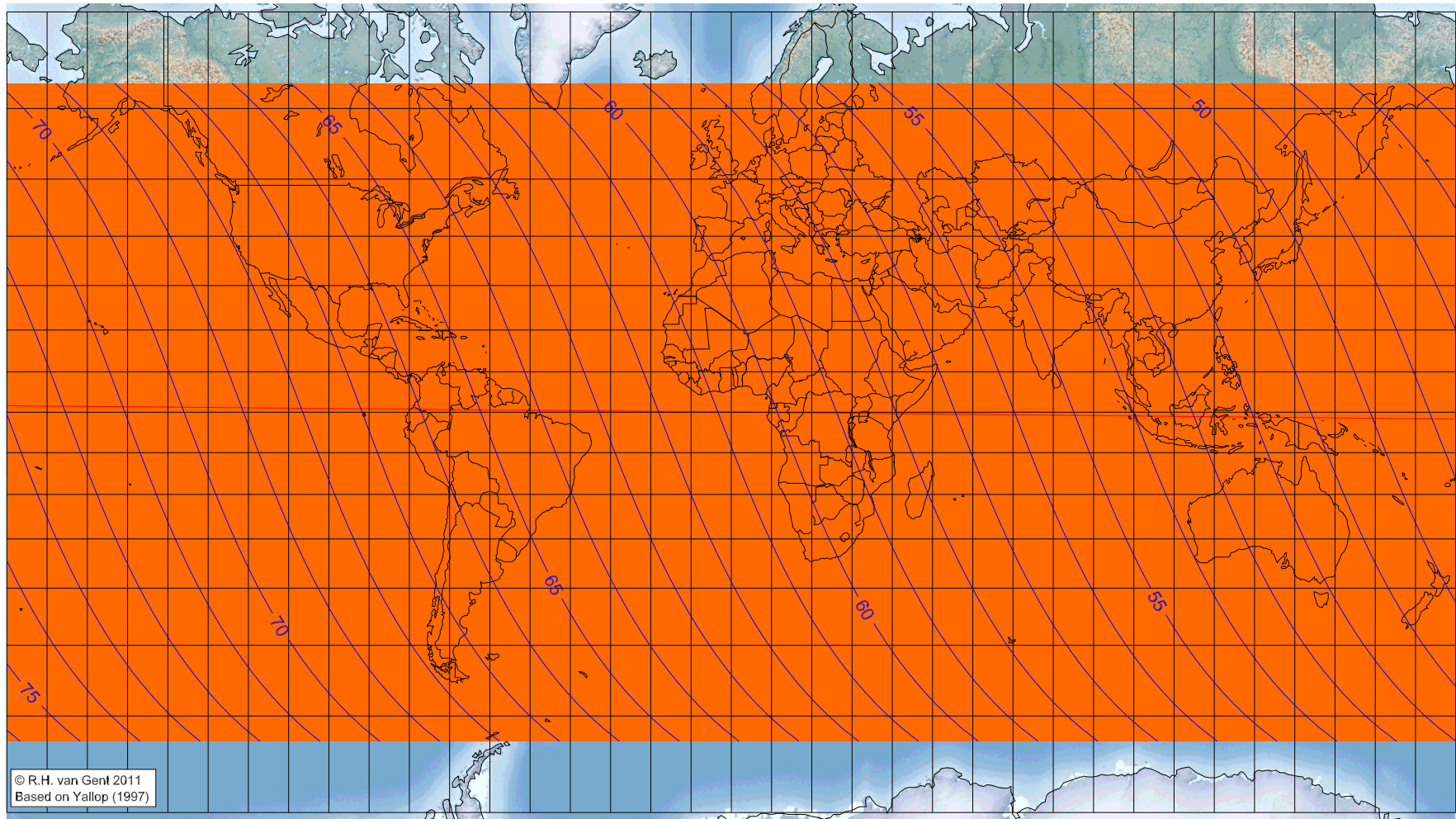
Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

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

# First visibility lunar crescent for Muḥarram 1433 AH

Global visibility map for 27 November 2011 [Sunday]

Second day after luni-solar conjunction



Astronomical New Moon: 25 November 2011, 6h 9.6m (UTC)

$\Delta T = 1.1$  min

Astronomical (Brown) Lunation Number = 1100

Islamic Lunation Number = 17185

- 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/>