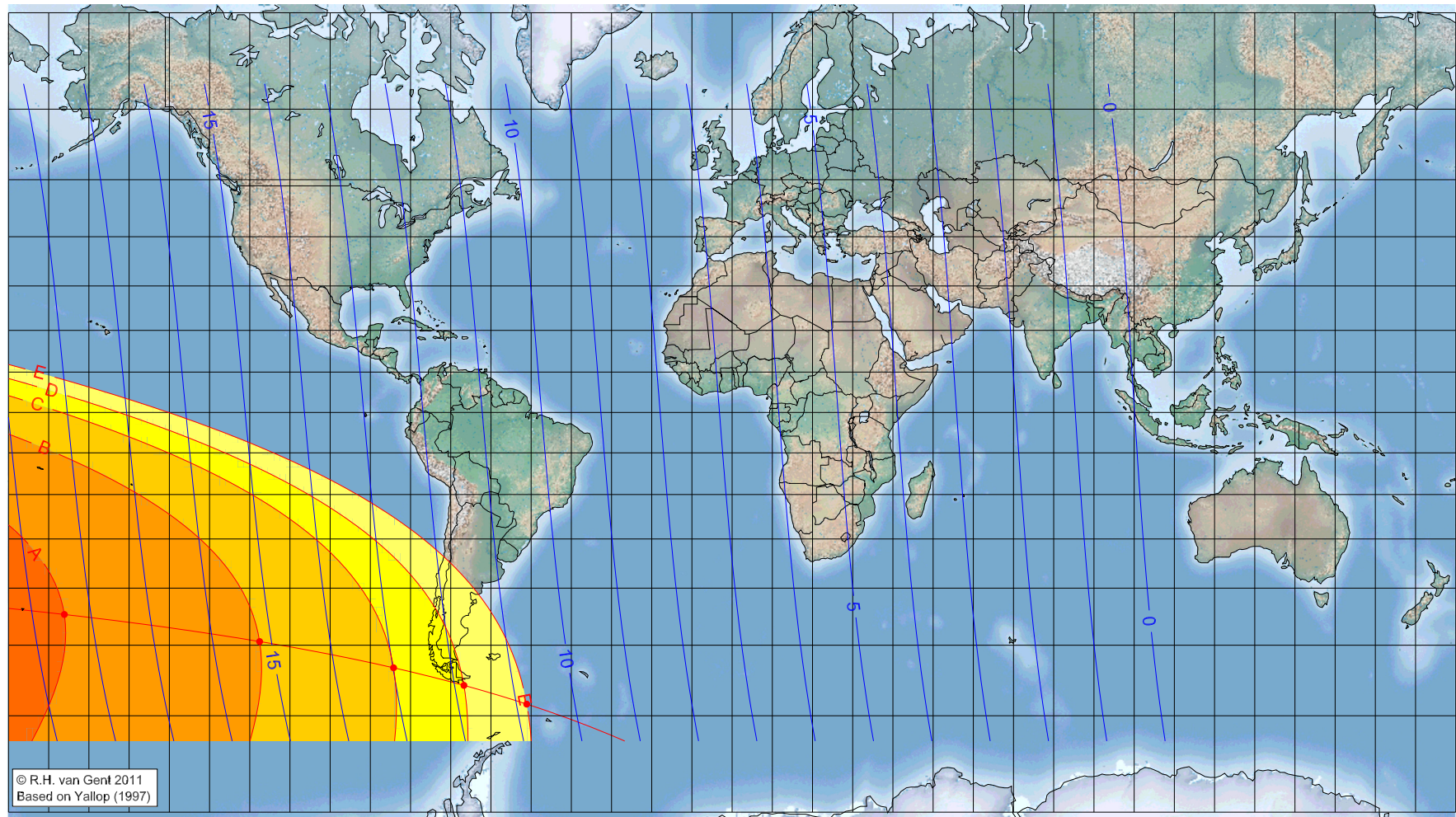


# First visibility lunar crescent for Dhū 'l-Qa'da 1432 AH

Global visibility map for 27 September 2011 [Tuesday]

Day of luni-solar conjunction



Astronomical New Moon: 27 September 2011, 11h 8.7m (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

-166.11	-44.83	18.45
-117.54	-49.41	15.20
-84.22	-53.47	12.99
-66.71	-56.00	11.84
-51.09	-58.52	10.82

Astronomical (Brown) Lunation Number = 1098

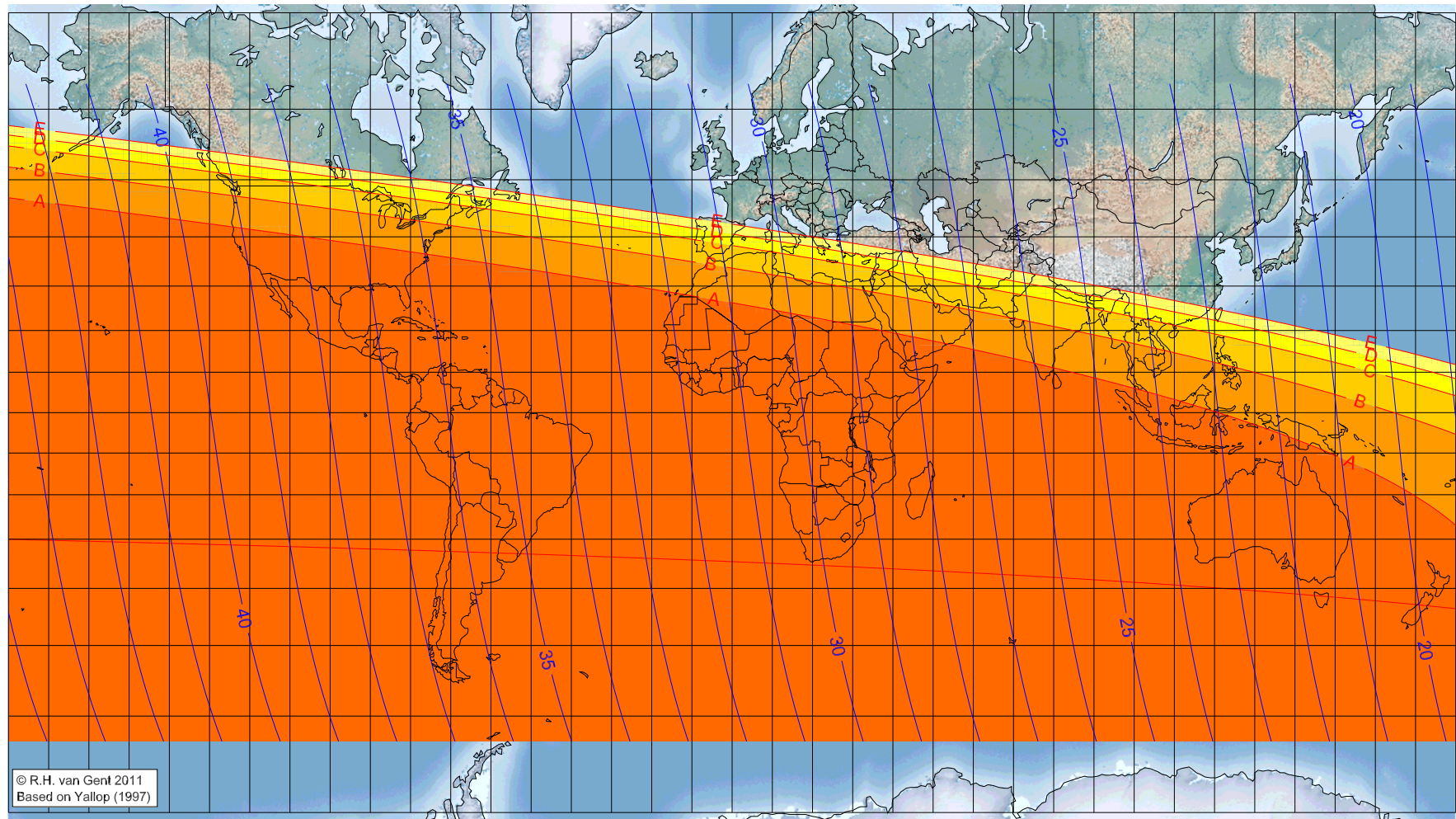
Islamic Lunation Number = 17183

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 Dhū 'l-Qa'da 1432 AH

Global visibility map for 28 September 2011 [Wednesday]  
Day after luni-solar conjunction



Astronomical New Moon: 27 September 2011, 11h 8.7m (UTC)  
 $\Delta T = 1.1$  min

First visibility (●)

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

- 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

Astronomical (Brown) Lunation Number = 1098  
Islamic Lunation Number = 17183

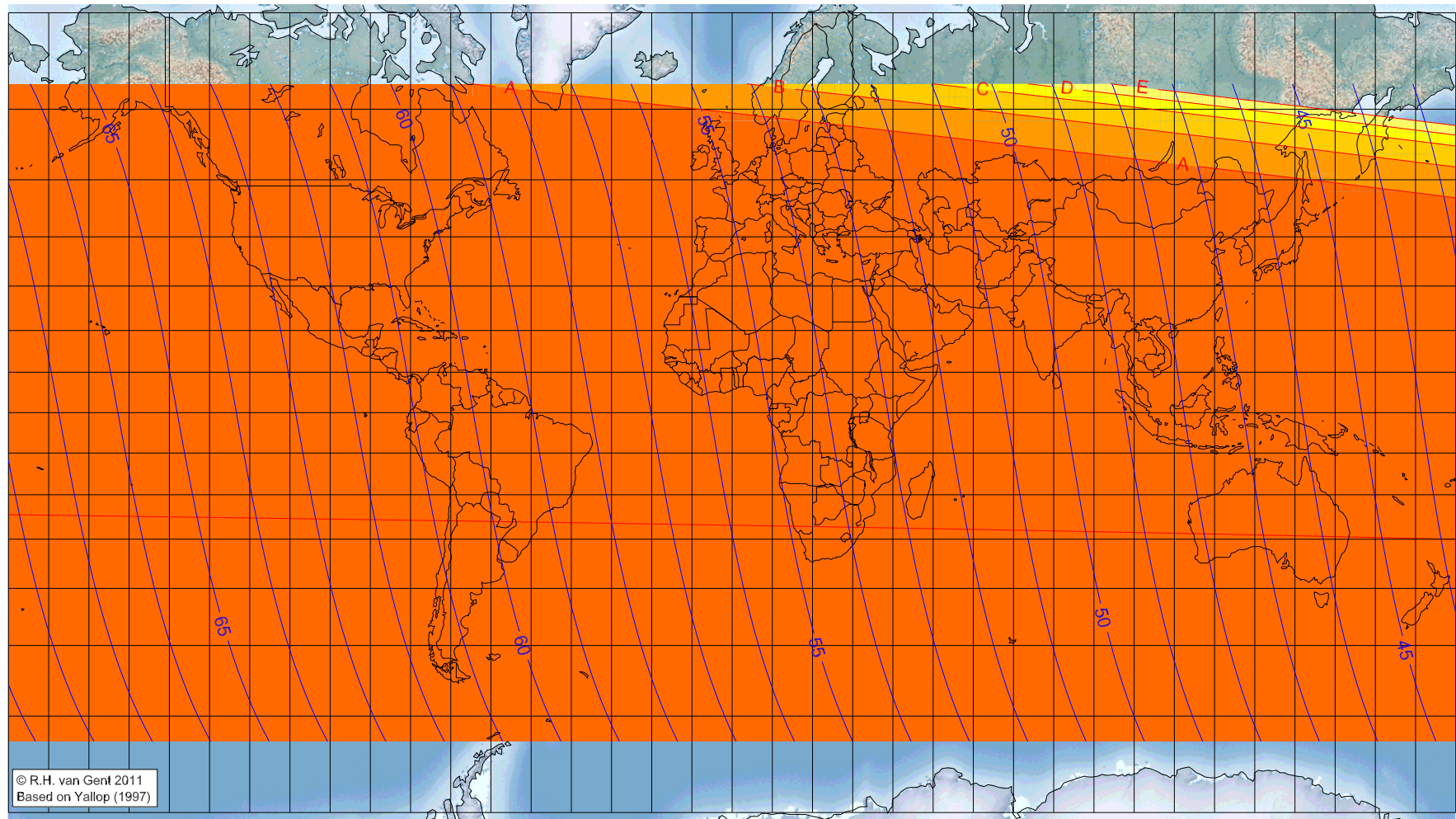
Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

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



# First visibility lunar crescent for Dhū 'l-Qa'da 1432 AH

Global visibility map for 29 September 2011 [Thursday]  
Second day after luni-solar conjunction



Astronomical New Moon: 27 September 2011, 11h 8.7m (UTC)  
 $\Delta T = 1.1$  min

Astronomical (Brown) Lunation Number = 1098  
Islamic Lunation Number = 17183

- 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/>