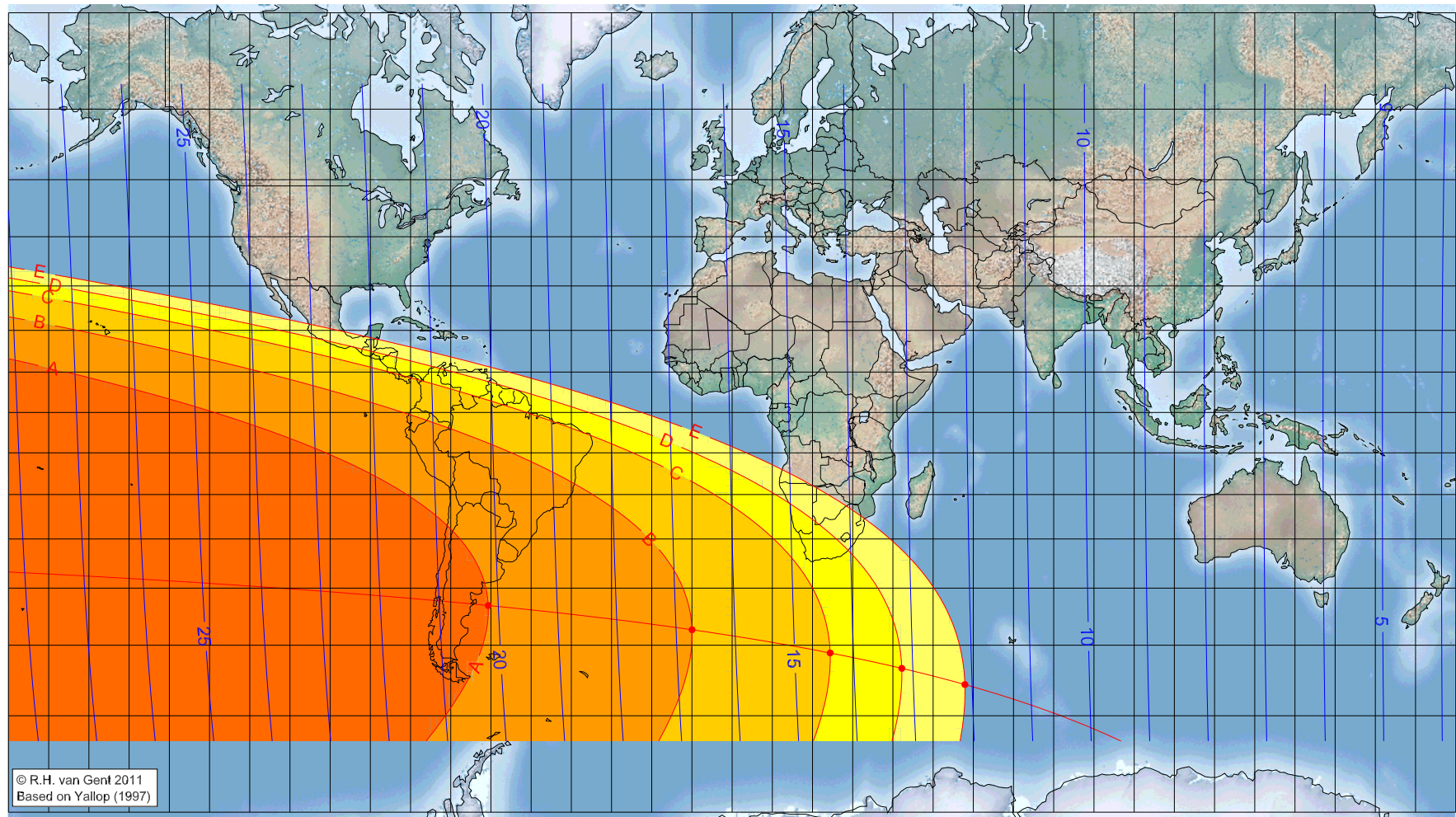


# First visibility lunar crescent for Dhū 'l-Qa'da 1433 AH

Global visibility map for 16 September 2012 [Sunday]

Day of luni-solar conjunction



Astronomical New Moon: 16 September 2012, 2h 10.6m (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°) – invisible even with optical aid

-60.66	-43.23	20.17
-9.97	-47.46	16.73
24.39	-51.22	14.40
42.21	-53.56	13.19
57.91	-55.88	12.12

Astronomical (Brown) Lunation Number = 1110

Islamic Lunation Number = 17195

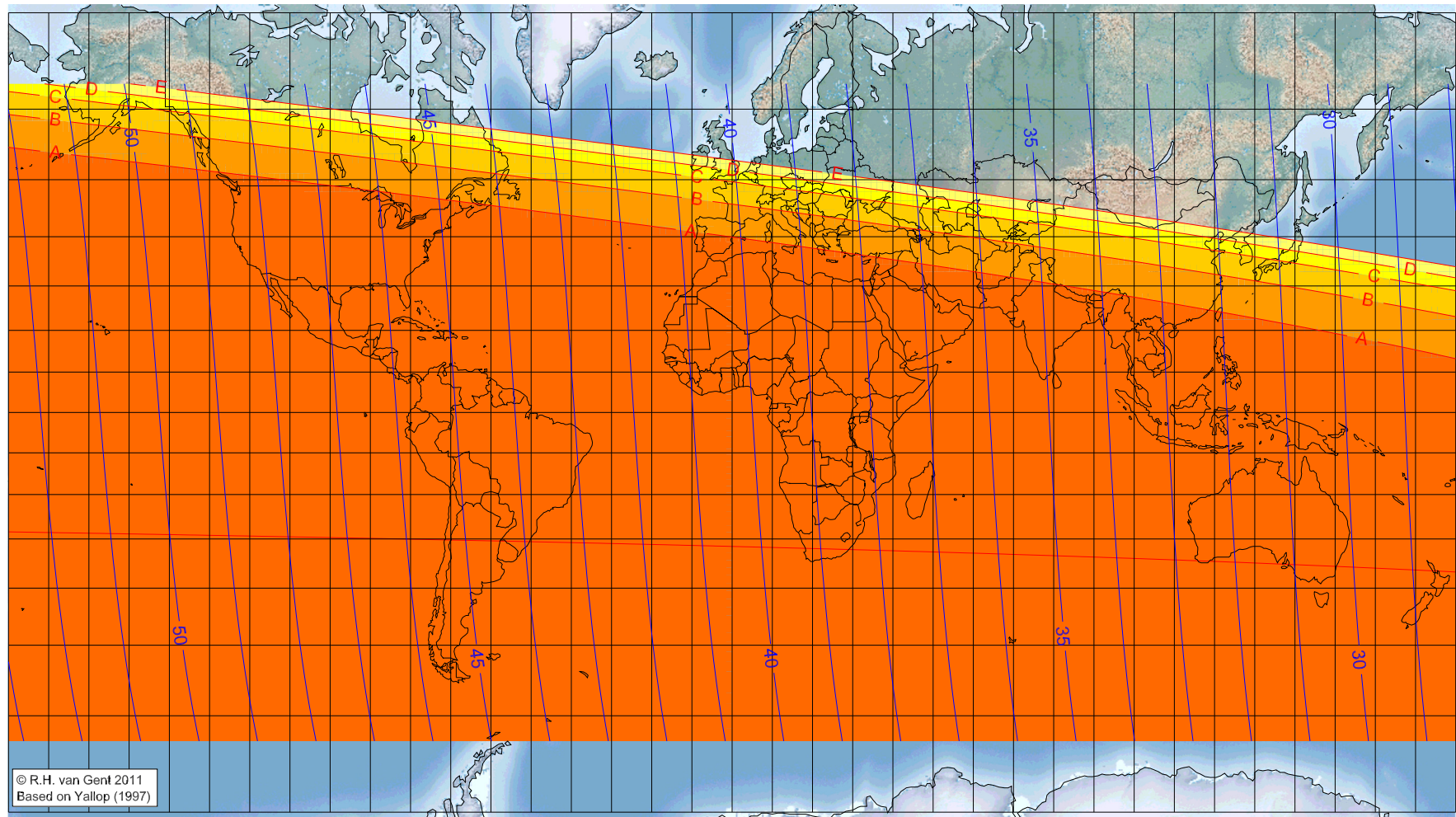
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

# First visibility lunar crescent for Dhū 'l-Qa'da 1433 AH

Global visibility map for 17 September 2012 [Monday]

Day after luni-solar conjunction



Astronomical New Moon: 16 September 2012, 2h 10.6m (UTC)  
 $\Delta T = 1.1$  min

First visibility (●)

Astronomical (Brown) Lunation Number = 1110  
Islamic Lunation Number = 17195

- 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)  
 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

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

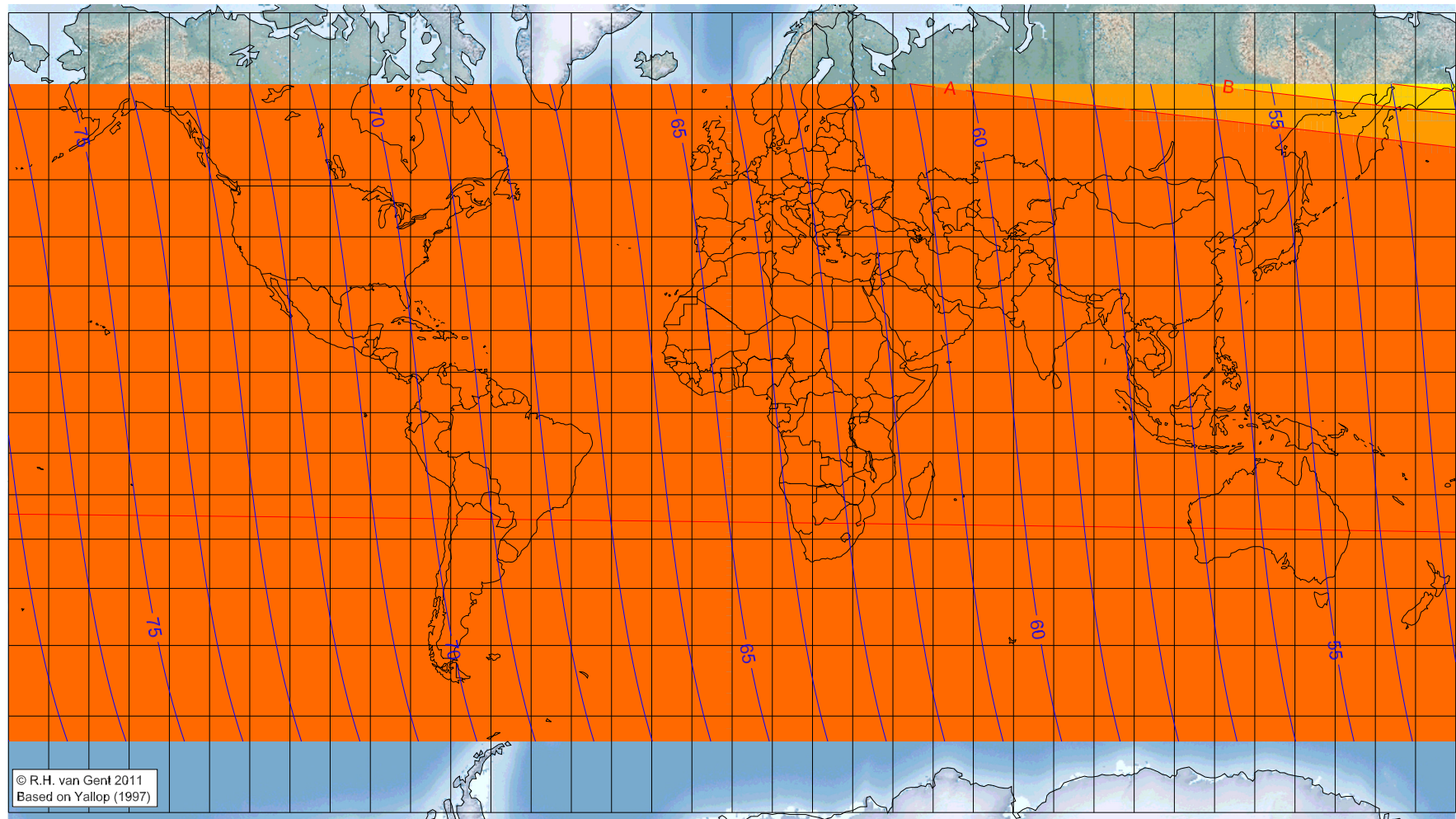
More info: <http://www.staff.science.uu.nl/~gent0113/>



# First visibility lunar crescent for Dhū 'l-Qa'da 1433 AH

Global visibility map for 18 September 2012 [Tuesday]

Second day after luni-solar conjunction



Astronomical New Moon: 16 September 2012, 2h 10.6m (UTC)  
 $\Delta T = 1.1$  min

Astronomical (Brown) Lunation Number = 1110  
Islamic Lunation Number = 17195

- 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

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/>