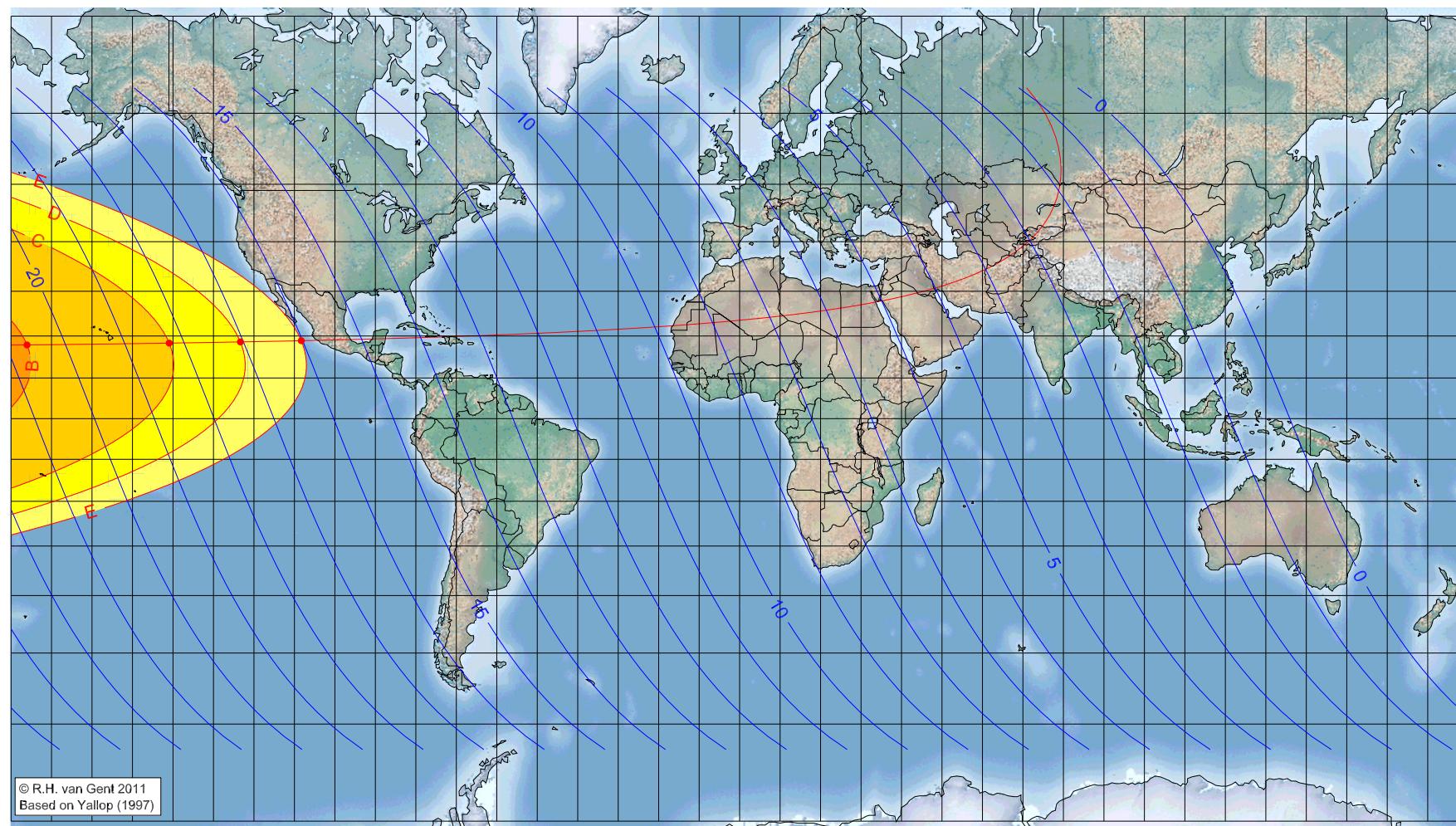


# First visibility lunar crescent for Şafar 1432 AH

Global visibility map for 4 January 2011 [Tuesday]  
Day of luni-solar conjunction



Astronomical New Moon: 4 January 2011, 9h 2.6m (UTC)  
 $\Delta T = 1.1$  min

First visibility (●)

Astronomical (Brown) Lunation Number = 1089  
Islamic Lunation Number = 17174

- 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

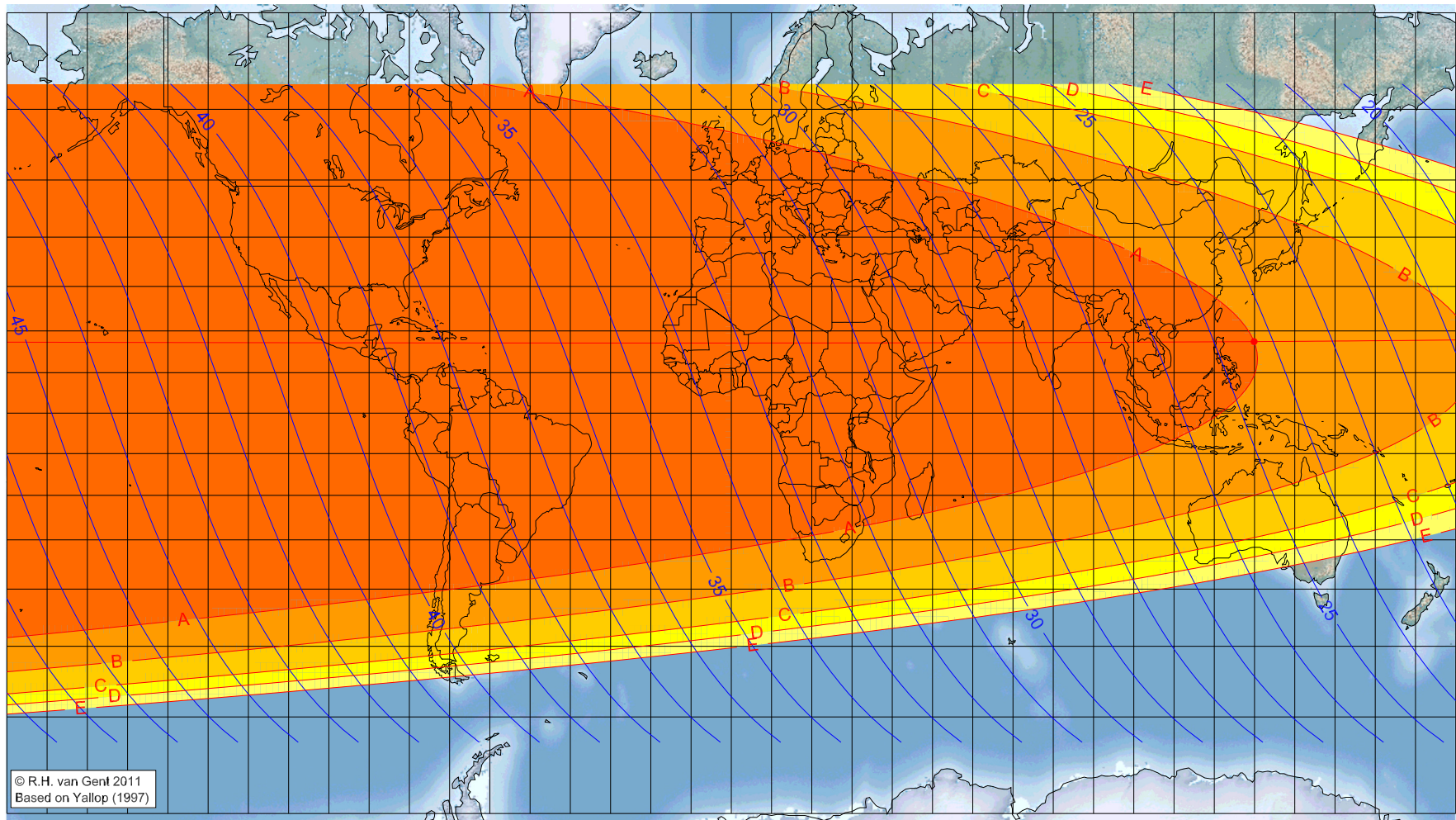
Longitude ( $^\circ$ )	Latitude ( $^\circ$ )	Lunar age (h)
-176.06	17.91	20.65
-140.93	18.34	18.25
-123.34	18.62	17.05
-108.30	18.90	16.02

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 Şafar 1432 AH

Global visibility map for 5 January 2011 [Wednesday]  
Day after luni-solar conjunction



Astronomical New Moon: 4 January 2011, 9h 2.6m (UTC)  
 $\Delta T = 1.1$  min

First visibility (●)

Astronomical (Brown) Lunation Number = 1089  
Islamic Lunation Number = 17174

- 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)
129.90	17.49	24.32
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

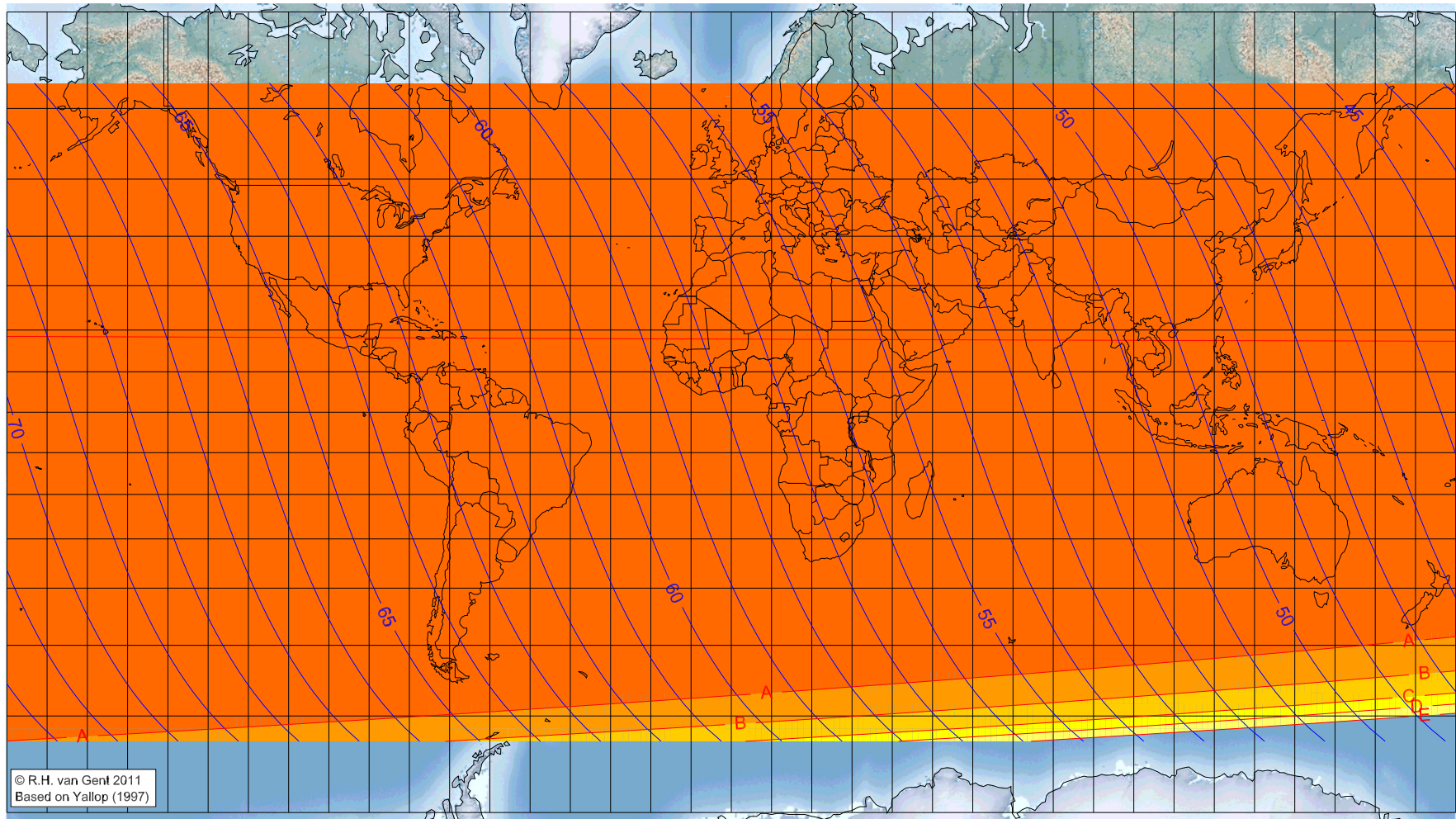
More info: <http://www.staff.science.uu.nl/~gent0113/>



# First visibility lunar crescent for Şafar 1432 AH

Global visibility map for 6 January 2011 [Thursday]

Second day after luni-solar conjunction



Astronomical New Moon: 4 January 2011, 9h 2.6m (UTC)

$\Delta T = 1.1$  min

Astronomical (Brown) Lunation Number = 1089

Islamic Lunation Number = 17174

- 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/>