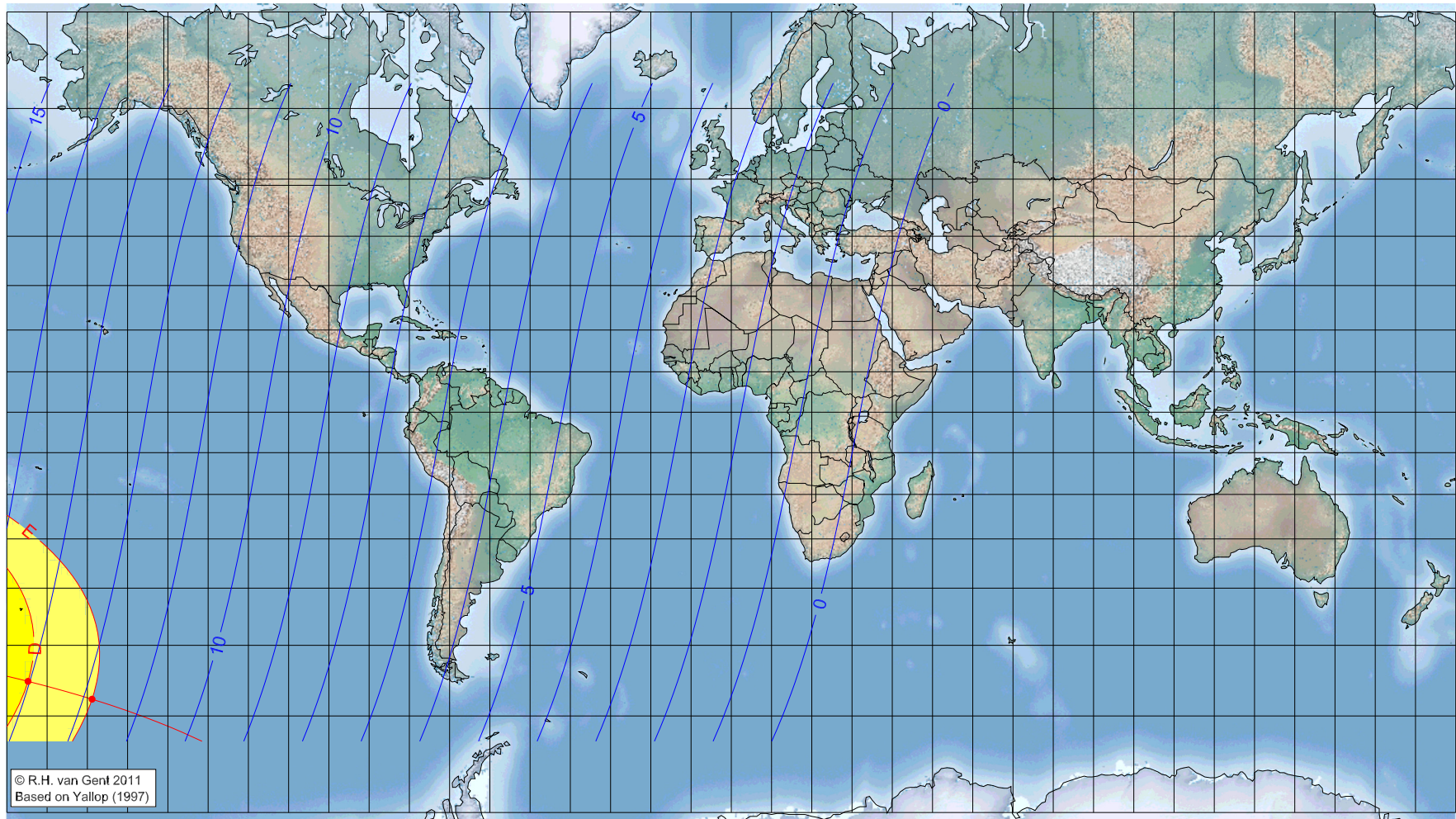


First visibility lunar crescent for Shawwāl 1433 AH

Global visibility map for 17 August 2012 [Friday]

Day of luni-solar conjunction



Astronomical New Moon: 17 August 2012, 15h 54.5m (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
-174.74 -55.41 13.03
-158.84 -57.85 11.85

Astronomical (Brown) Lunation Number = 1109

Islamic Lunation Number = 17194

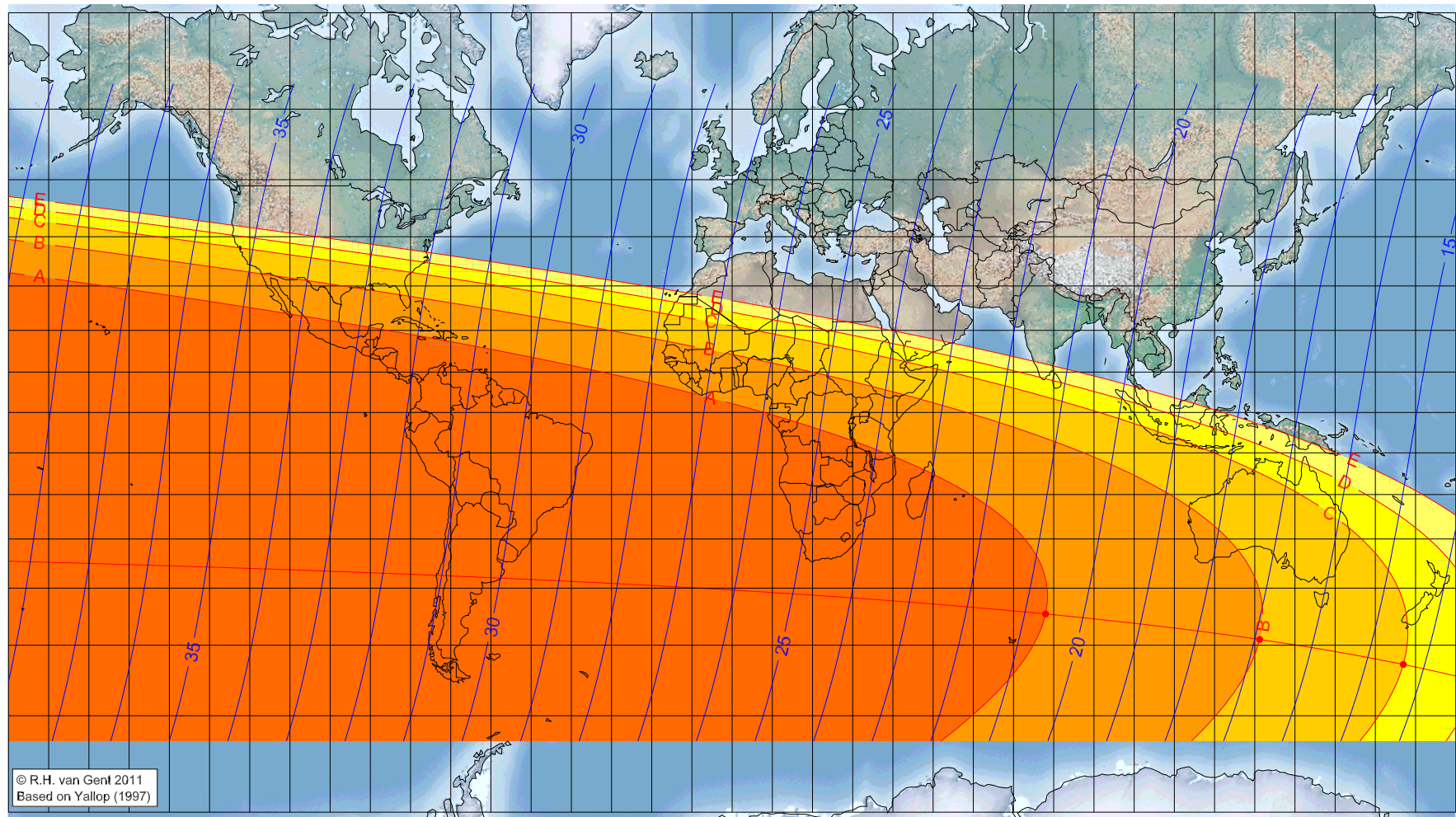
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

First visibility lunar crescent for Shawwāl 1433 AH

Global visibility map for 18 August 2012 [Saturday]

Day after luni-solar conjunction



Astronomical New Moon: 17 August 2012, 15h 54.5m (UTC)

$\Delta T = 1.1$ min

First visibility (●)

| Longitude (°) | Latitude (°) | Lunar age (h) |
|---------------------------------|--------------|---------------|
| 77.97 | -44.74 | 20.65 |
| 131.22 | -49.07 | 16.91 |
| 166.96 | -52.97 | 14.36 |
| 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 = 1109

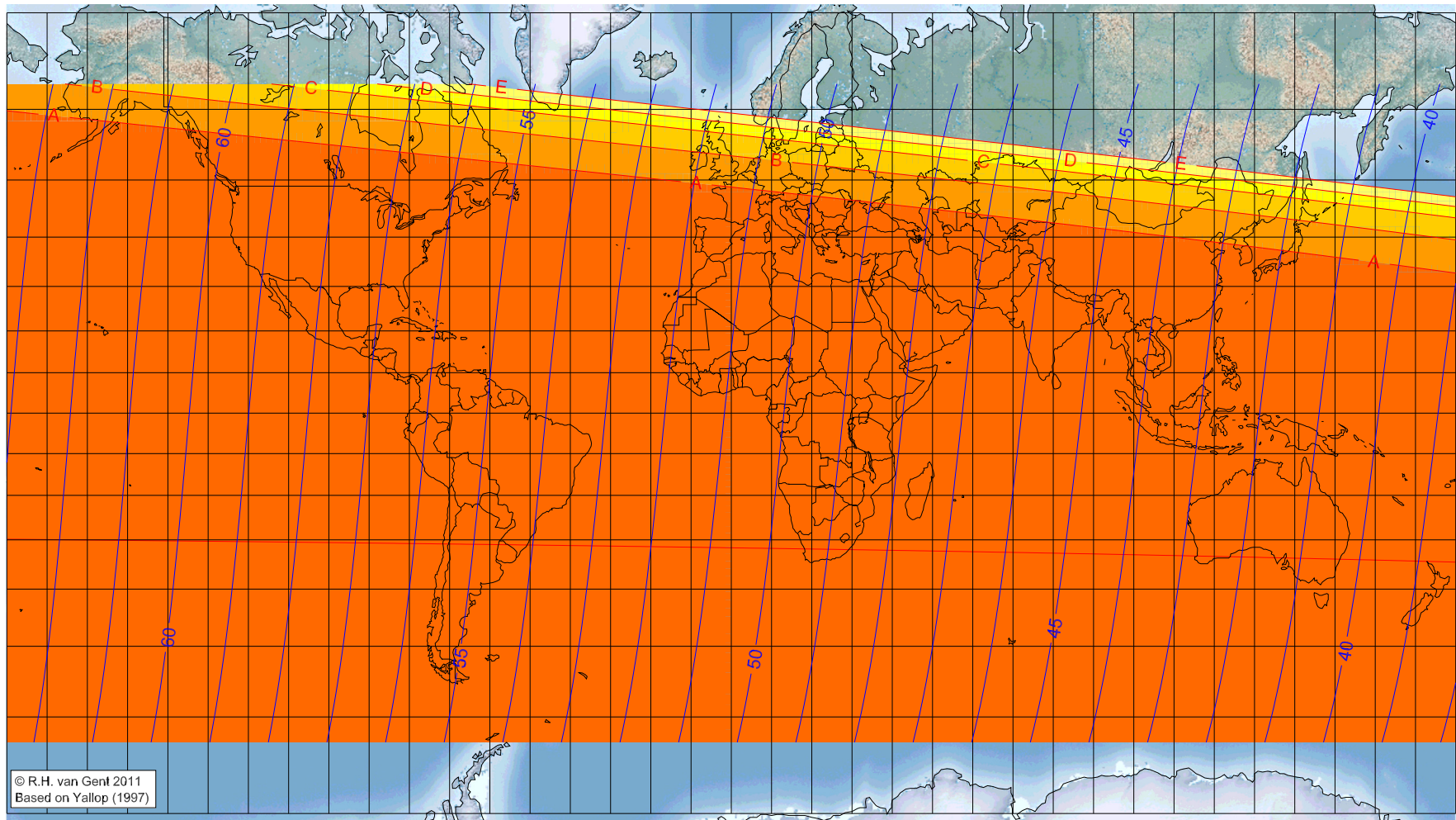
Islamic Lunation Number = 17194

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 Shawwāl 1433 AH

Global visibility map for 19 August 2012 [Sunday]
Second day after luni-solar conjunction



Astronomical New Moon: 17 August 2012, 15h 54.5m (UTC)
 $\Delta T = 1.1$ min

Astronomical (Brown) Lunation Number = 1109
Islamic Lunation Number = 17194

- 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/>