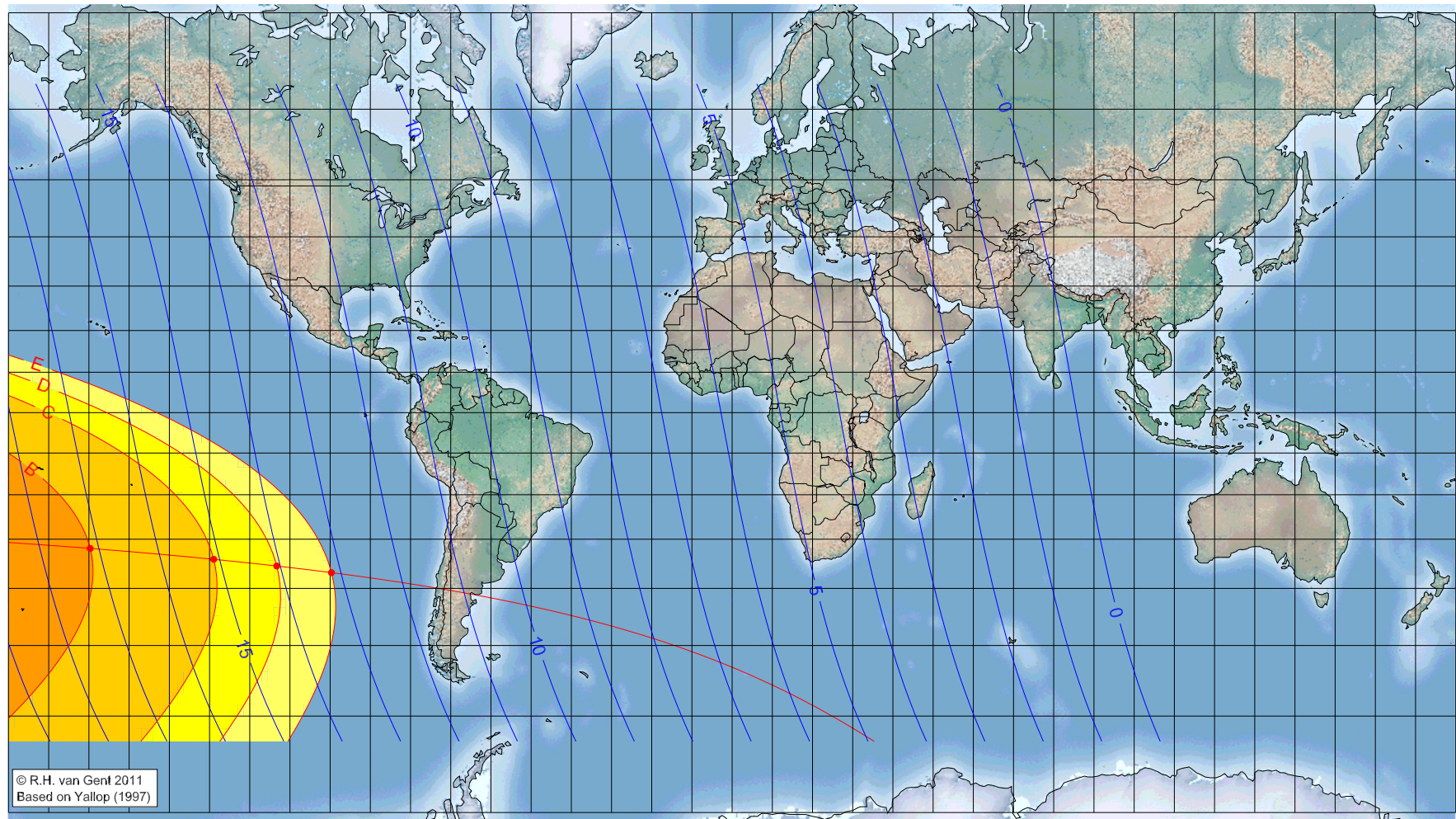


First visibility lunar crescent for Dhū 'l-Hijja 1433 AH

Global visibility map for 15 October 2012 [Monday]

Day of luni-solar conjunction



Astronomical New Moon: 15 October 2012, 12h 2.5m (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
-159.69	-31.97	17.15
-128.96	-34.23	15.10
-113.28	-35.60	14.06
-99.67	-36.93	13.16

Astronomical (Brown) Lunation Number = 1111

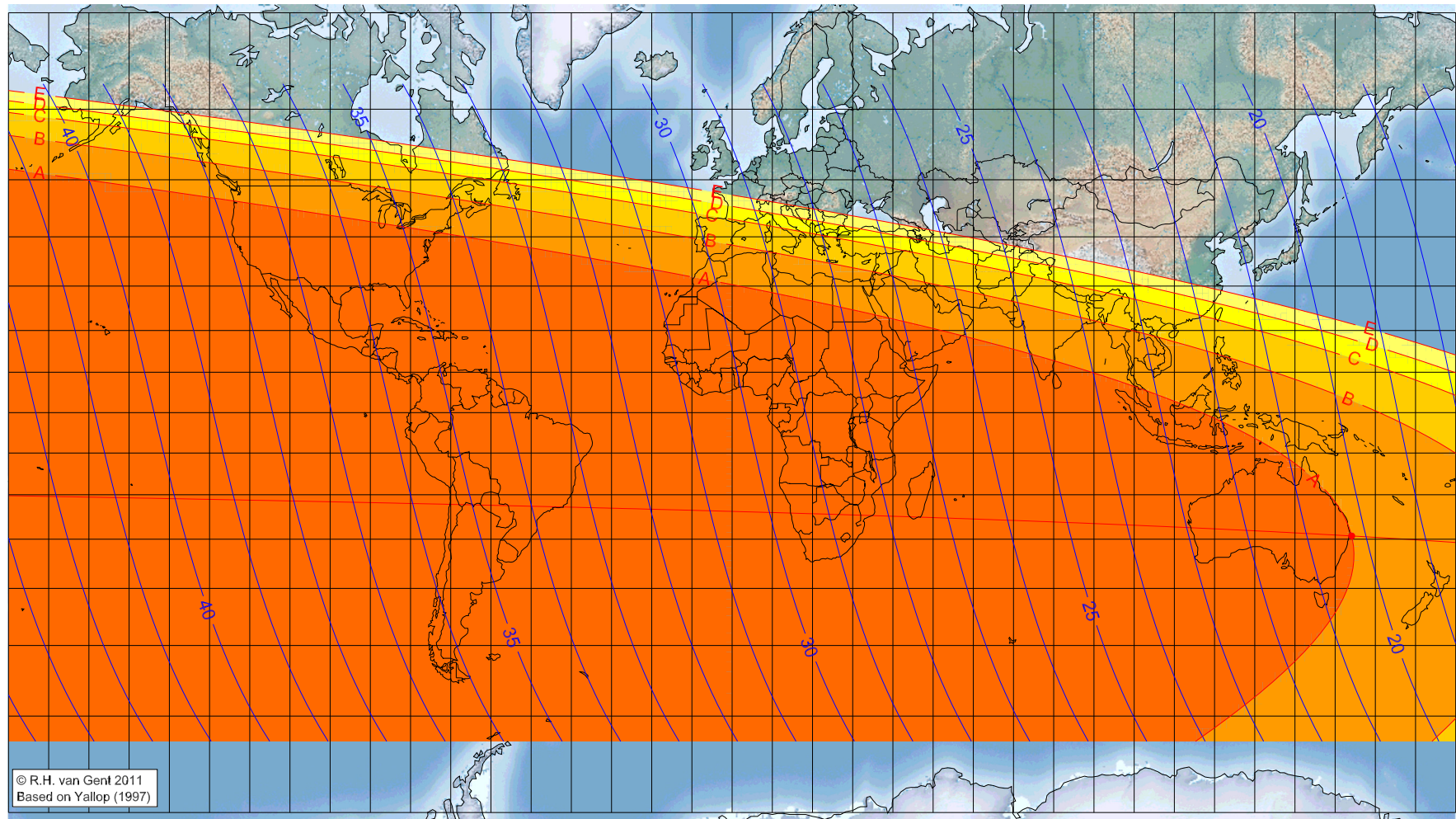
Islamic Lunation Number = 17196

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-Hijja 1433 AH

Global visibility map for 16 October 2012 [Tuesday]
Day after luni-solar conjunction



Astronomical New Moon: 15 October 2012, 12h 2.5m (UTC)
 $\Delta T = 1.1$ min

First visibility (●)

Longitude (°)	Latitude (°)	Lunar age (h)
154.12	-29.30	20.24
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 = 1111
Islamic Lunation Number = 17196

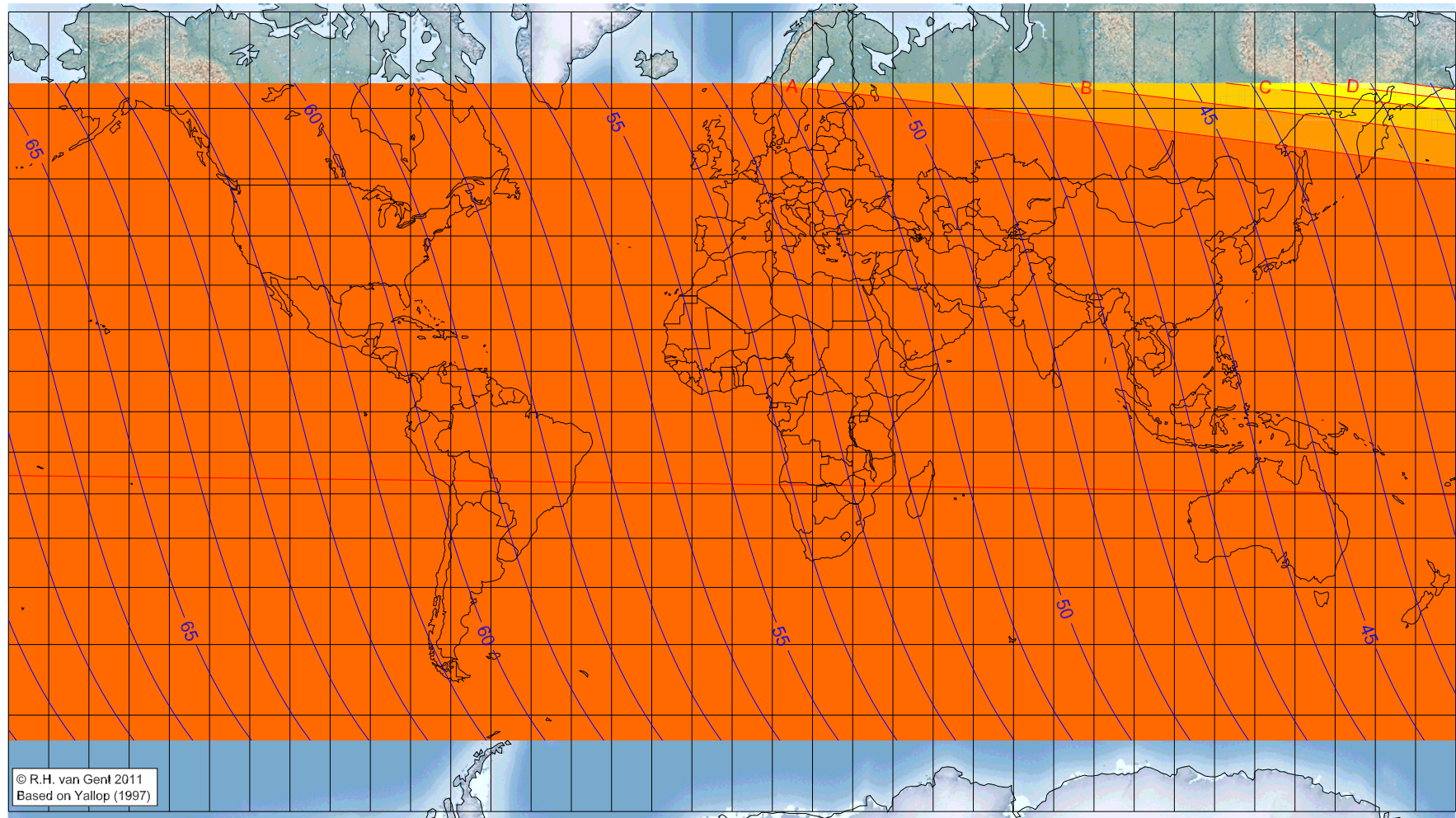
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

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

First visibility lunar crescent for Dhū 'l-Hijja 1433 AH

Global visibility map for 17 October 2012 [Wednesday]

Second day after luni-solar conjunction



Astronomical New Moon: 15 October 2012, 12h 2.5m (UTC)

$\Delta T = 1.1$ min

Astronomical (Brown) Lunation Number = 1111

Islamic Lunation Number = 17196

- 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/>