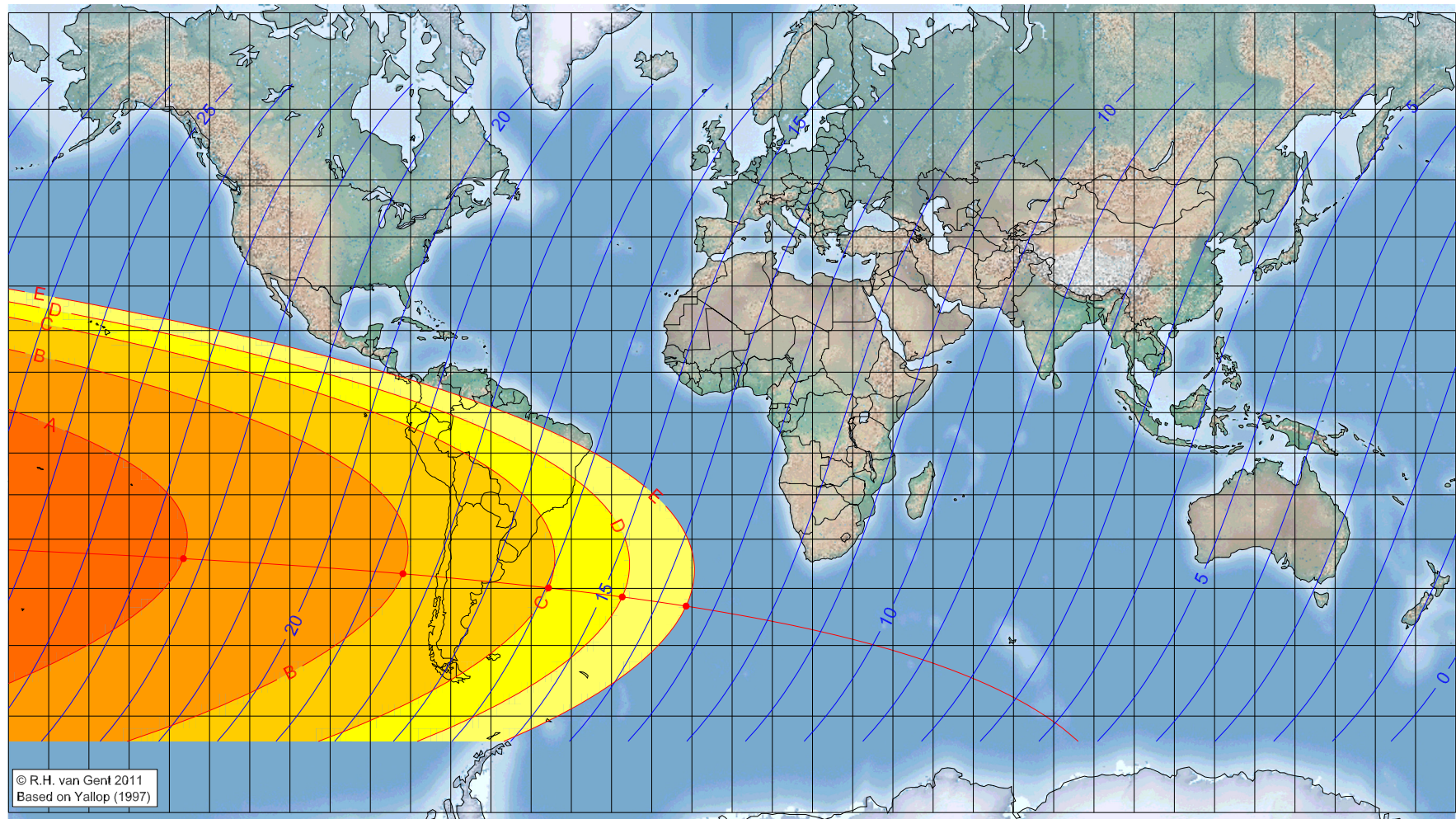


First visibility lunar crescent for Ramaḍān 1433 AH

Global visibility map for 19 July 2012 [Thursday]
Day of luni-solar conjunction



Astronomical New Moon: 19 July 2012, 4h 24.1m (UTC)
 $\Delta T = 1.1$ min

First visibility (●)

- 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

Longitude ($^\circ$)	Latitude ($^\circ$)	Lunar age (h)
-136.50	-34.09	22.33
-81.89	-37.15	18.52
-45.70	-39.90	15.96
-27.33	-41.61	14.64
-11.45	-43.29	13.49

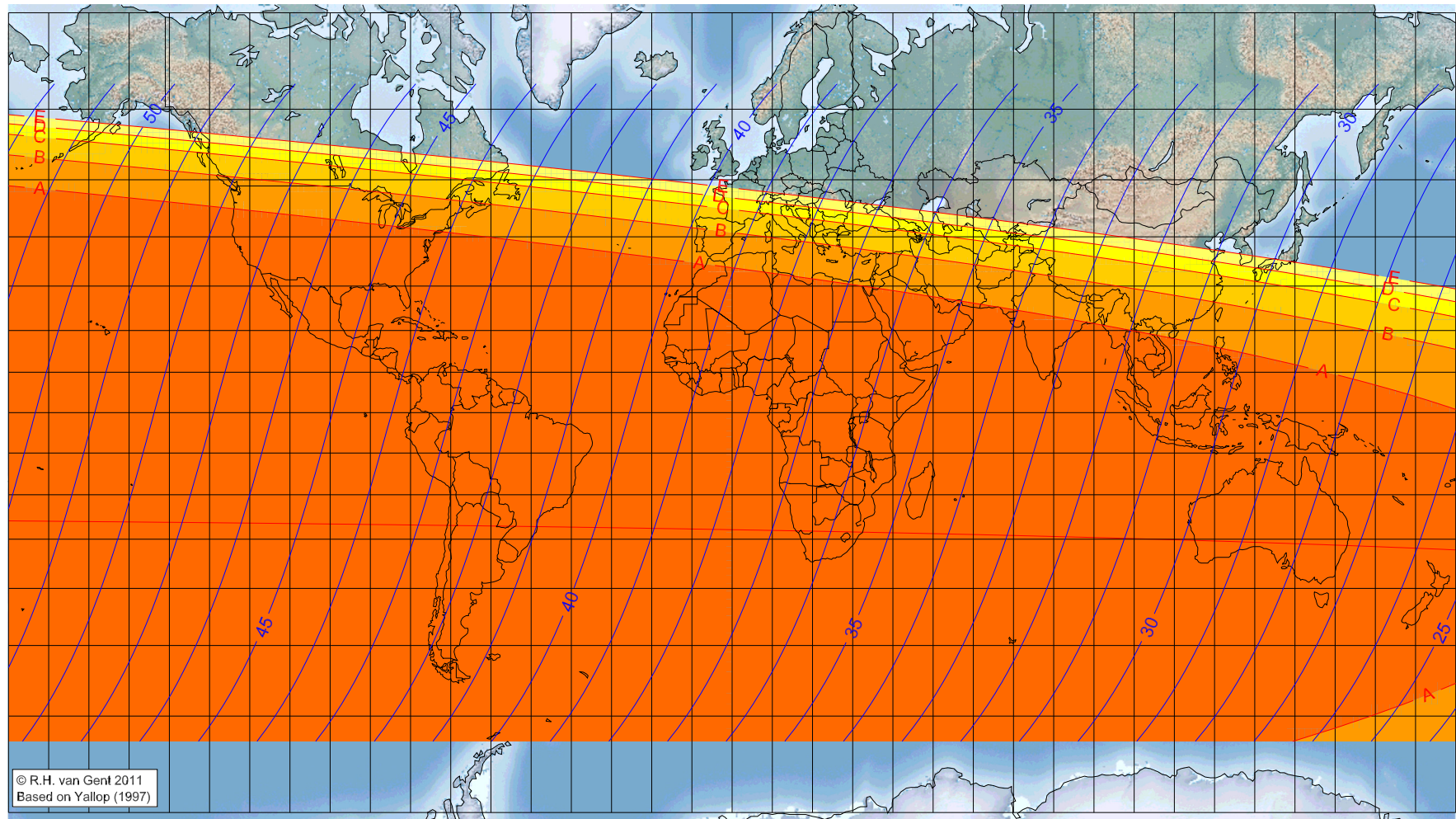
Astronomical (Brown) Lunation Number = 1108
Islamic Lunation Number = 17193

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 Ramaḍān 1433 AH

Global visibility map for 20 July 2012 [Friday]
Day after luni-solar conjunction



Astronomical New Moon: 19 July 2012, 4h 24.1m (UTC)
 $\Delta T = 1.1$ min

First visibility (•)

Astronomical (Brown) Lunation Number = 1108
Islamic Lunation Number = 17193

- 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

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

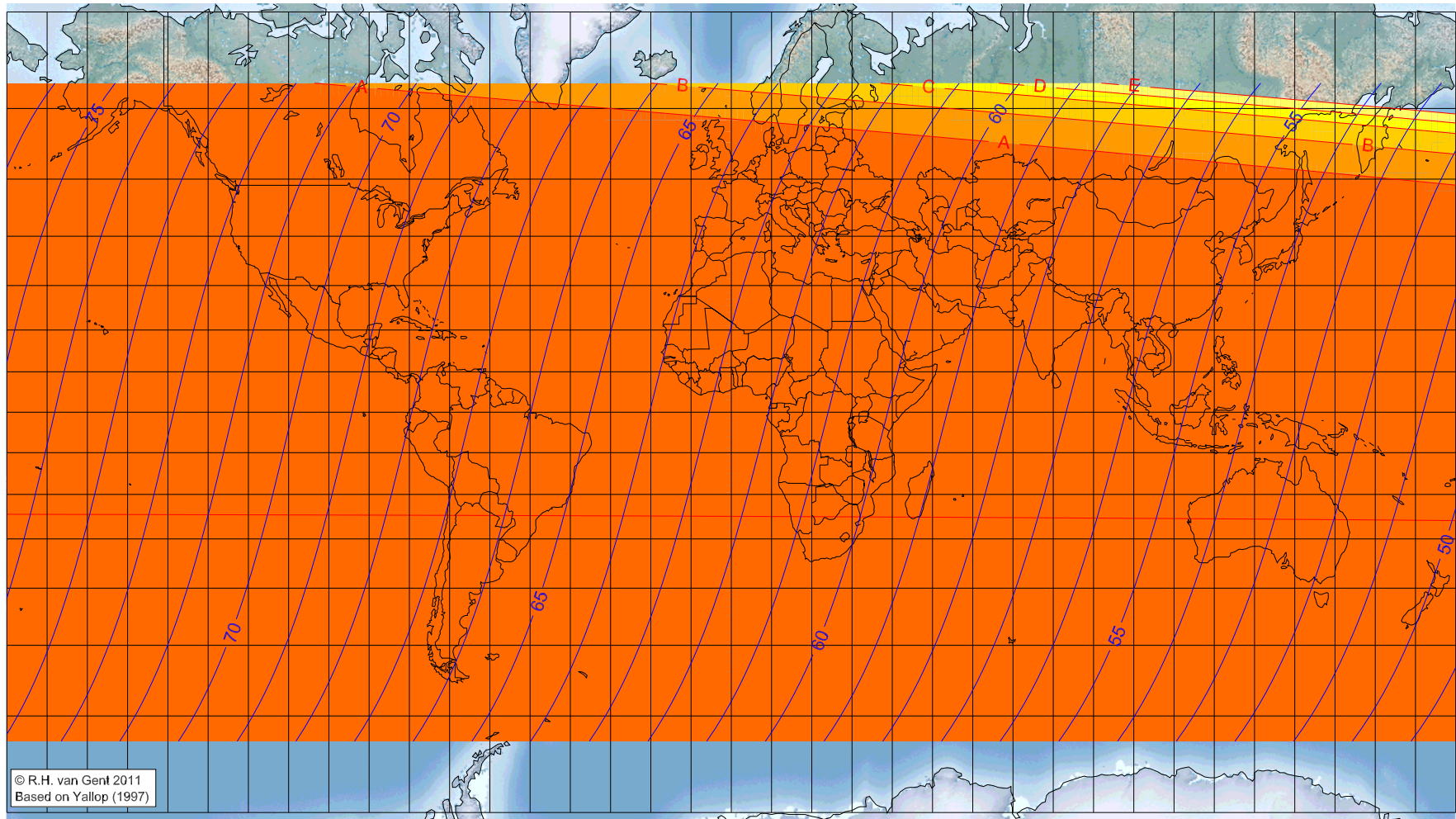
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

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

First visibility lunar crescent for Ramaḍān 1433 AH

Global visibility map for 21 July 2012 [Saturday]

Second day after luni-solar conjunction



Astronomical New Moon: 19 July 2012, 4h 24.1m (UTC)

$\Delta T = 1.1$ min

Astronomical (Brown) Lunation Number = 1108

Islamic Lunation Number = 17193

- 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/>