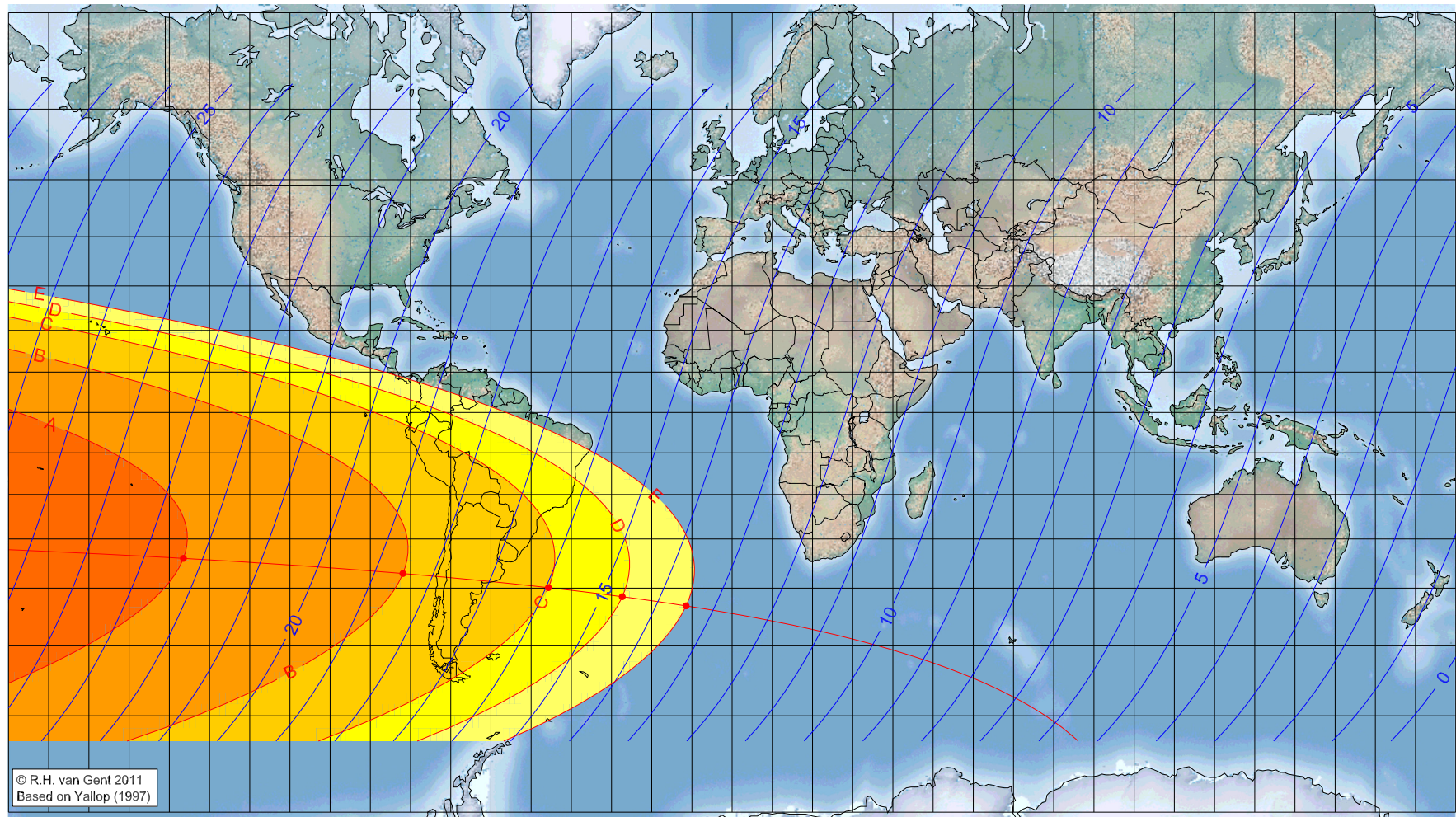


# First visibility lunar crescent for Ramaḍān 1433 AH

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 (°)	Latitude (°)	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/>