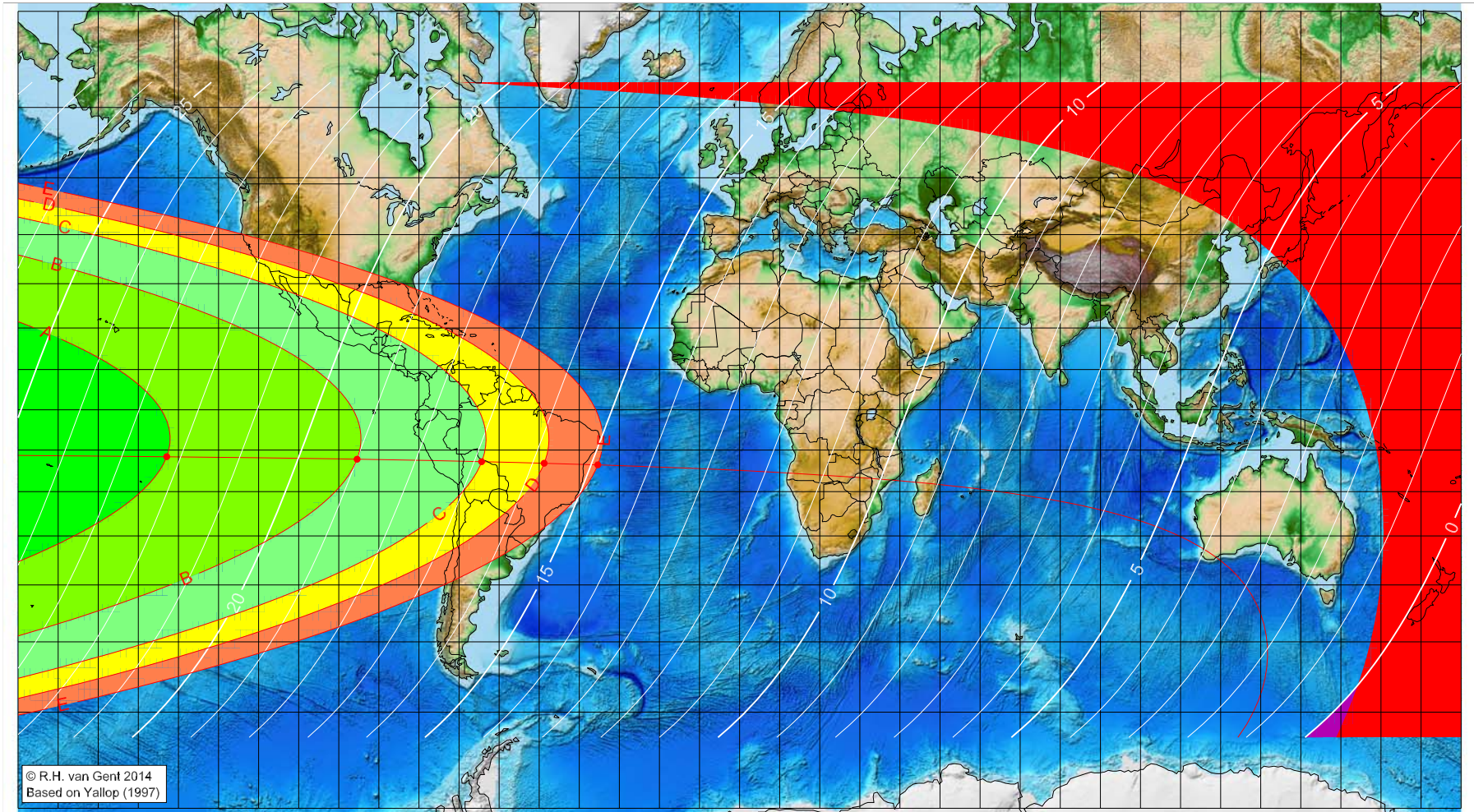


# First visibility lunar crescent for Muḥarram 1 AH (proleptic)

Global visibility map for 14 July 622 [Wednesday]  
Day of luni-solar conjunction



Astronomical New Moon: 14 July 622, 5h 27.1m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = -16084  
Islamic Lunation Number = 1  
TT - UT [= ΔT] = 1.27 h

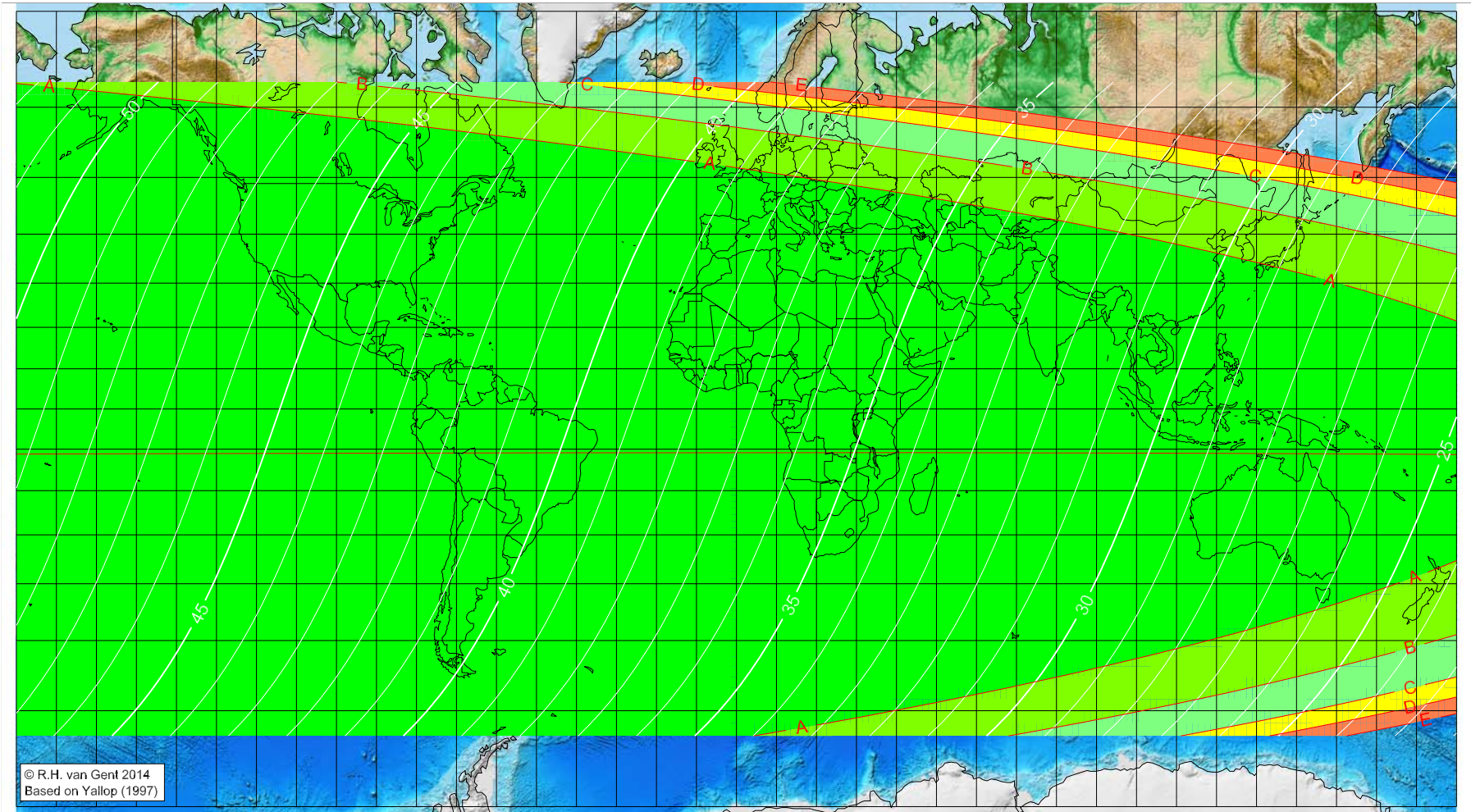
- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset before sunset
- before conjunction (astronomical new moon)

Longitude (°)	Latitude (°)	Lunar age (h)
-142.92	-11.62	22.24
-95.43	-12.24	19.00
-64.37	-12.84	16.87
-48.76	-13.22	15.80
-35.38	-13.60	14.89

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

# First visibility lunar crescent for Muḥarram 1 AH (proleptic)

Global visibility map for 15 July 622 [Thursday]  
Day after luni-solar conjunction



Astronomical New Moon: 14 July 622, 5h 27.1m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = -16084  
Islamic Lunation Number = 1  
TT - UT [= ΔT] = 1.27 h

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset before sunset

Longitude (°) Latitude (°) 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

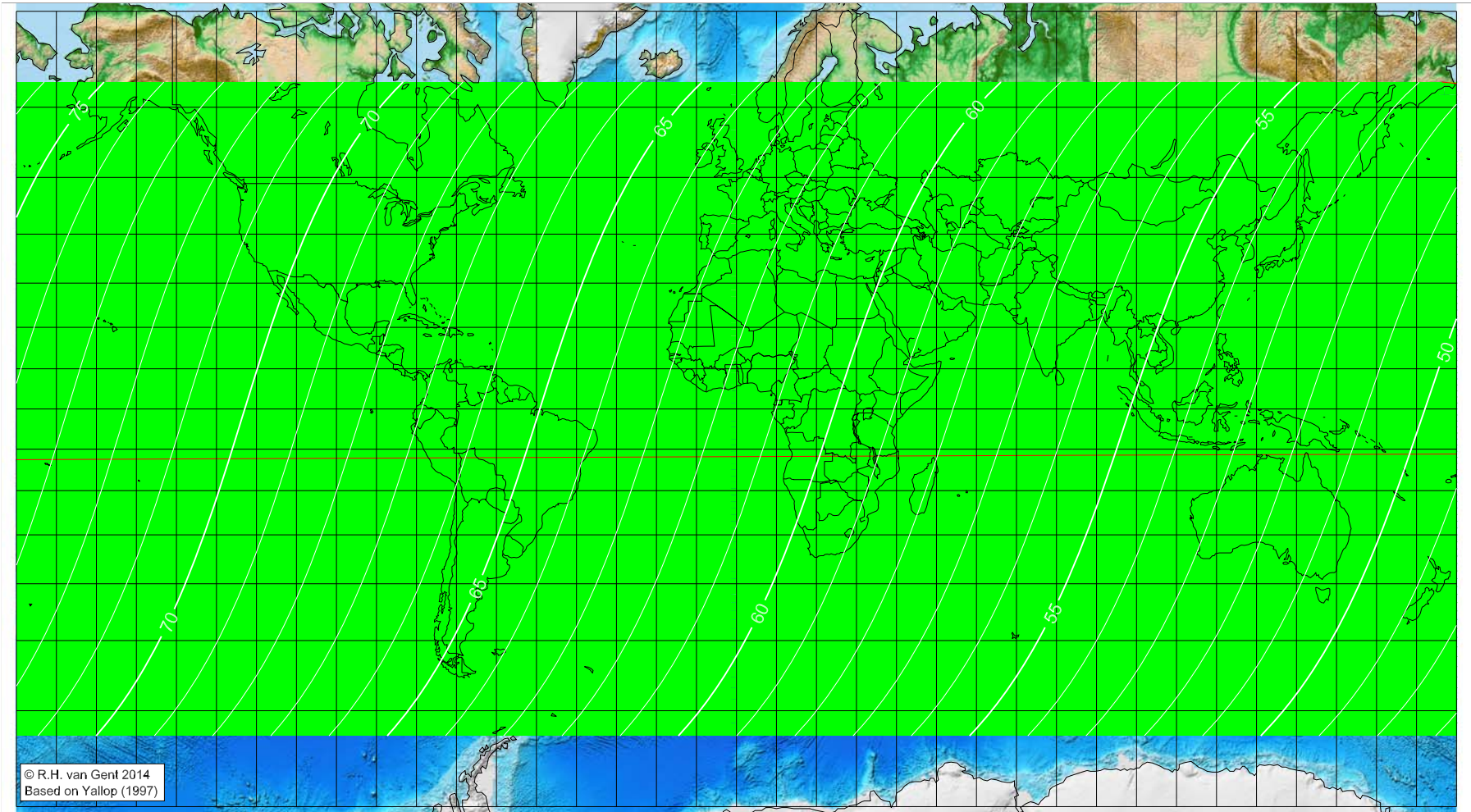
Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

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



# First visibility lunar crescent for Muḥarram 1 AH (proleptic)

Global visibility map for 16 July 622 [Friday]  
Second day after luni-solar conjunction



Astronomical New Moon: 14 July 622, 5h 27.1m (UTC)

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit ( $7^\circ$ )
- moonset before sunset
- before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = -16084  
Islamic Lunation Number = 1  
 $TT - UT [= \Delta T] = 1.27 \text{ h}$

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/>