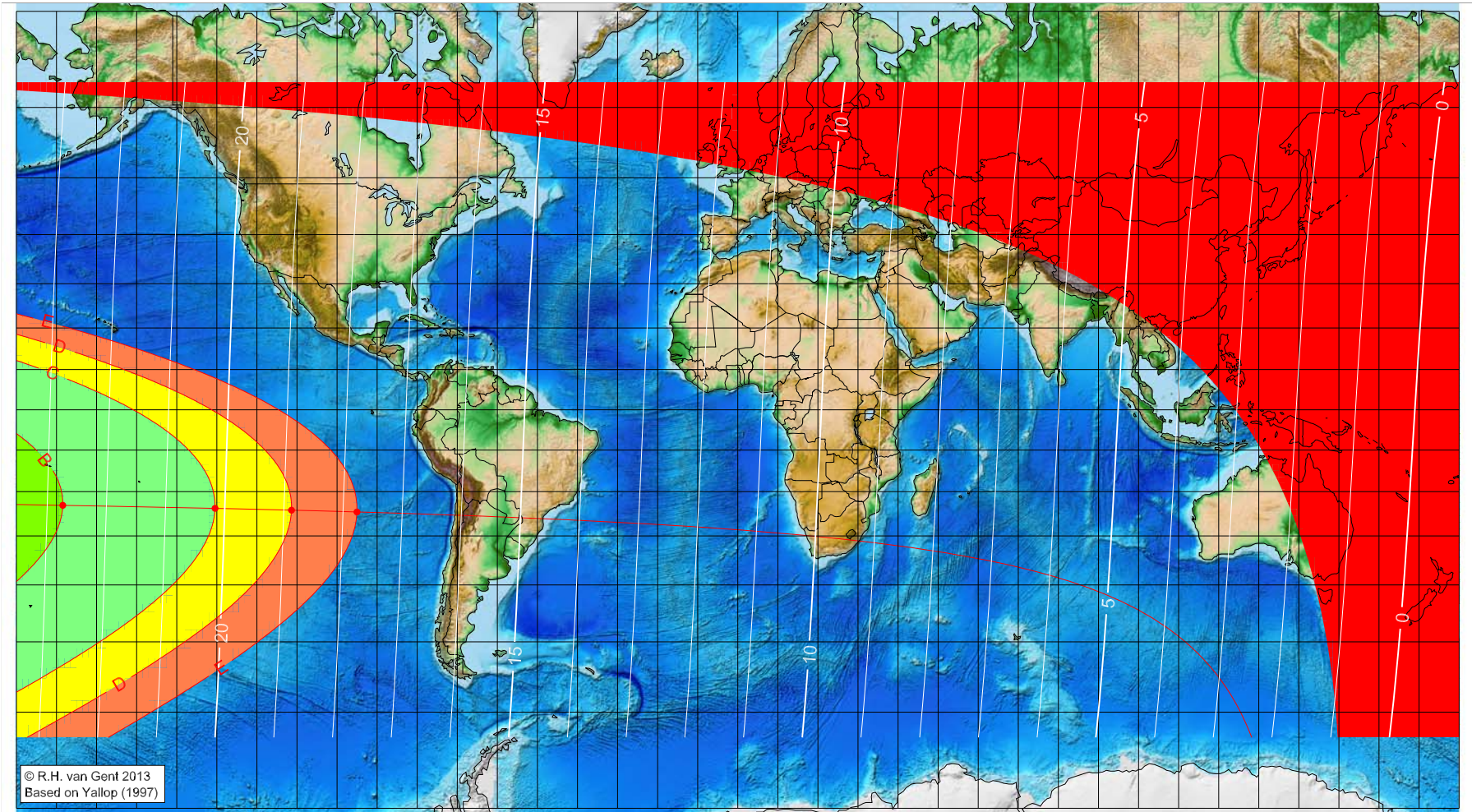


First visibility lunar crescent for Dhū 'l-Hijja 1436 AH

Global visibility map for 13 September 2015 [Sunday]
Day of luni-solar conjunction



© R.H. van Gent 2013
Based on Yallop (1997)

Astronomical New Moon: 13 September 2015, 6h 41.2m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1147

Islamic Lunation Number = 17232

TT - UT [= ΔT] = 1.1 min

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

- 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

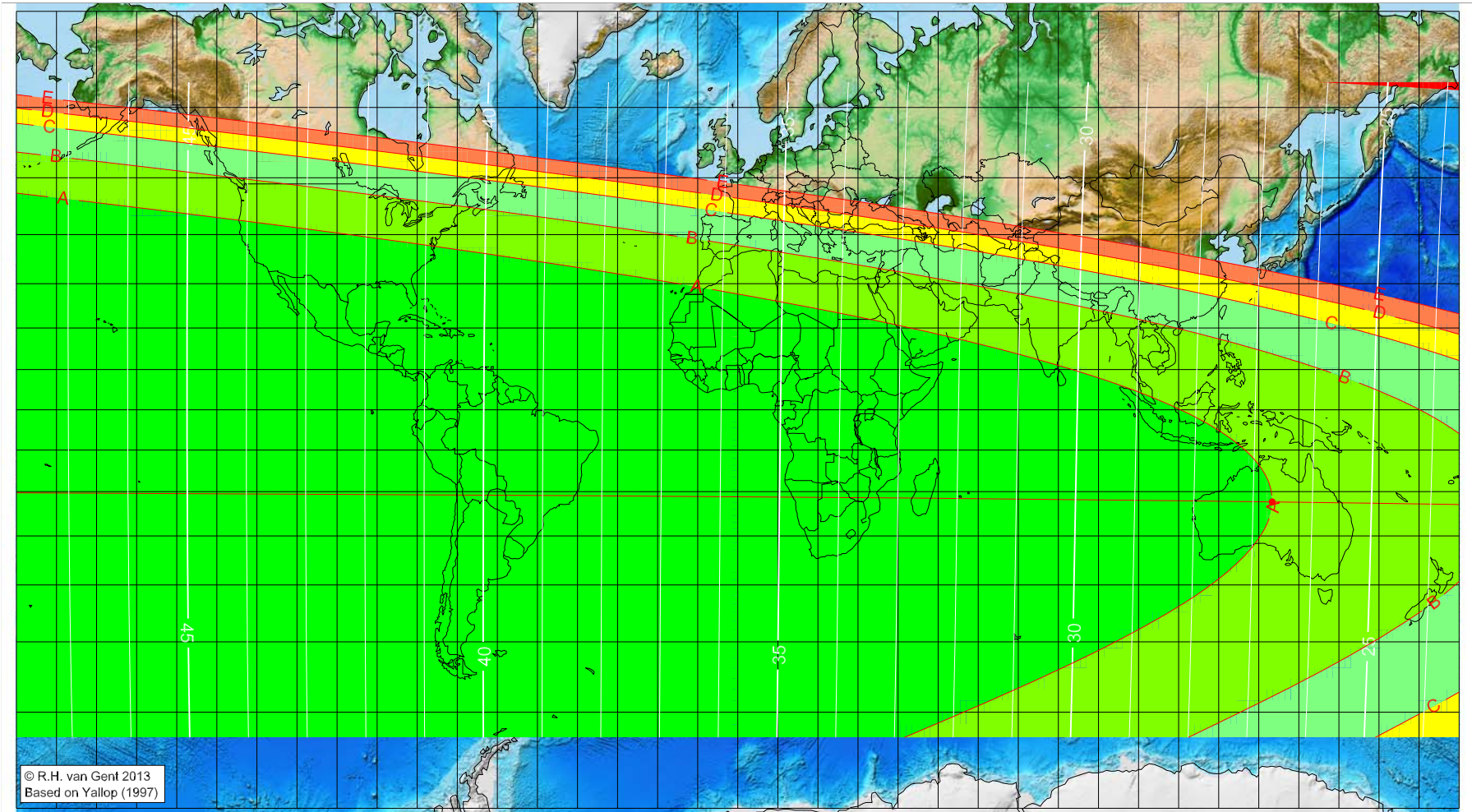
■ before conjunction (astronomical new moon)

Longitude (°)	Latitude (°)	Lunar age (h)
-168.44	-23.18	22.74
-130.44	-23.87	20.16
-111.36	-24.29	18.87
-95.02	-24.70	17.76

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

First visibility lunar crescent for Dhū 'l-Hijja 1436 AH

Global visibility map for 14 September 2015 [Monday]
Day after luni-solar conjunction



Astronomical New Moon: 13 September 2015, 6h 41.2m (UTC)

First visibility (•)

Longitude (°)	Latitude (°)	Lunar age (h)
133.35	-22.37	26.68
		visible on the previous evening
		visible on the previous evening
		visible on the previous evening

Astronomical (Brown) Lunation Number = 1147
Islamic Lunation Number = 17232
TT - UT [= ΔT] = 1.1 min

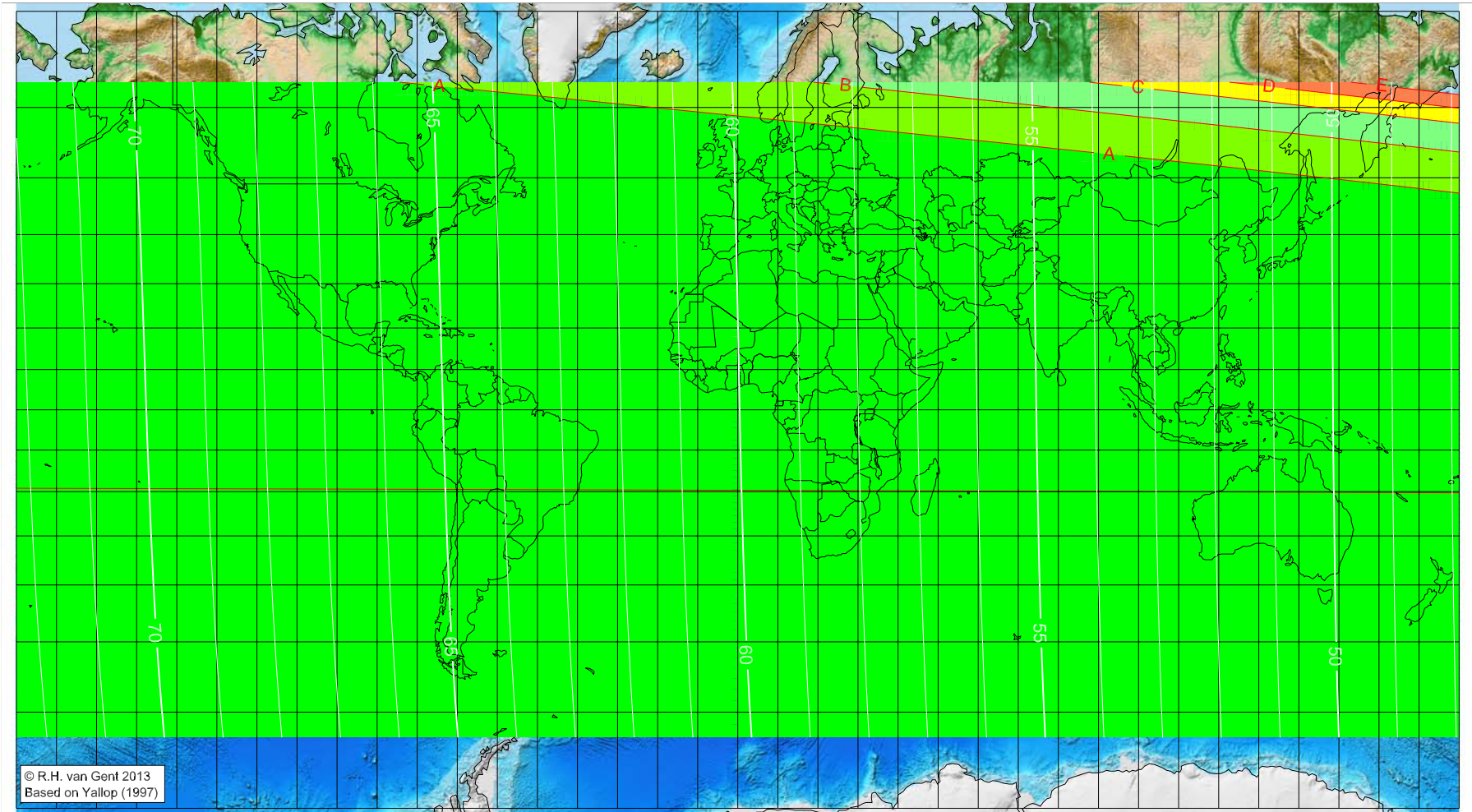
- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset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

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 1436 AH

Global visibility map for 15 September 2015 [Tuesday]
Second day after luni-solar conjunction



Astronomical New Moon: 13 September 2015, 6h 41.2m (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°)
- moonset before sunset
- before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1147
Islamic Lunation Number = 17232
 $TT - UT [= \Delta T] = 1.1 \text{ min}$

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/>