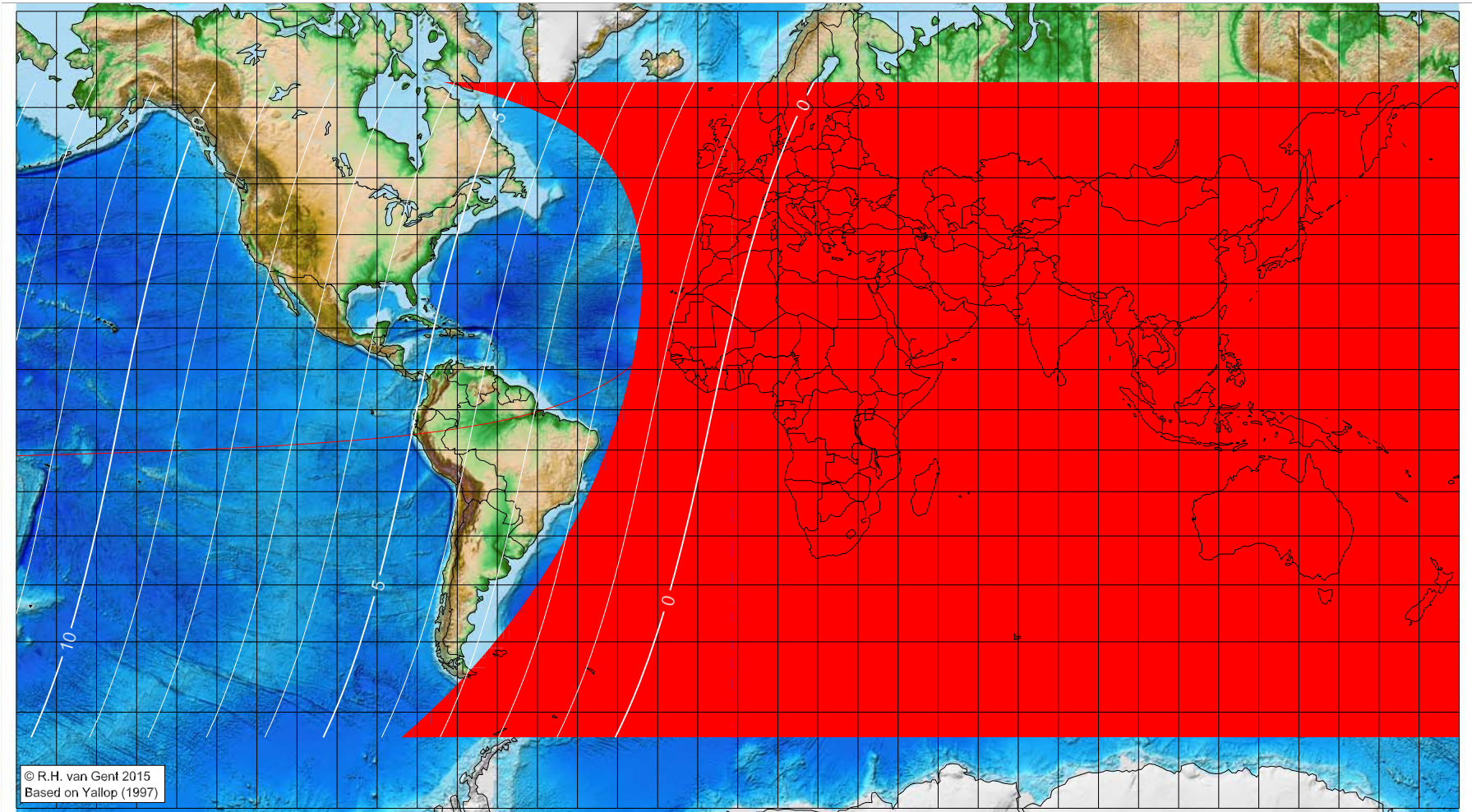


First visibility lunar crescent for Dhu 'l-Hijja 1438 AH

Global visibility map for 21 August 2017 [Monday]
Day of luni-solar conjunction



Astronomical New Moon: 21 August 2017, 18h 30.2m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1171
Islamic Lunation Number = 17256
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)

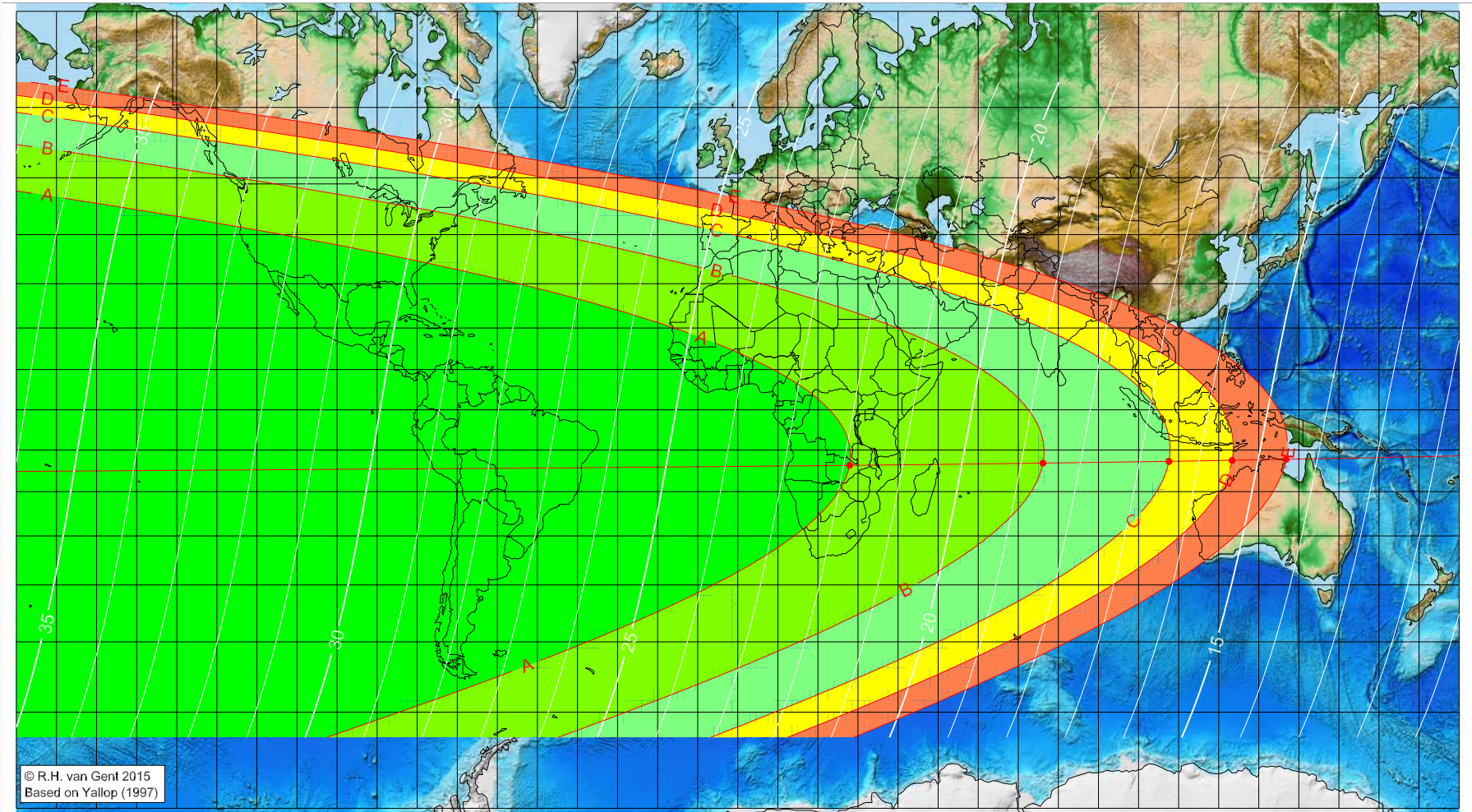
| Longitude (°) | Latitude (°) | Lunar age (h) |
|---------------|--------------|------------------------------------|
| | | not visible until the next evening |
| | | not visible until the next evening |
| | | not visible until the next evening |
| | | not visible until the next evening |
| | | not visible until the next 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 Dhu 'l-Hijja 1438 AH

Global visibility map for 22 August 2017 [Tuesday]
Day after luni-solar conjunction



Astronomical New Moon: 21 August 2017, 18h 30.2m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1171

Islamic Lunation Number = 17256

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

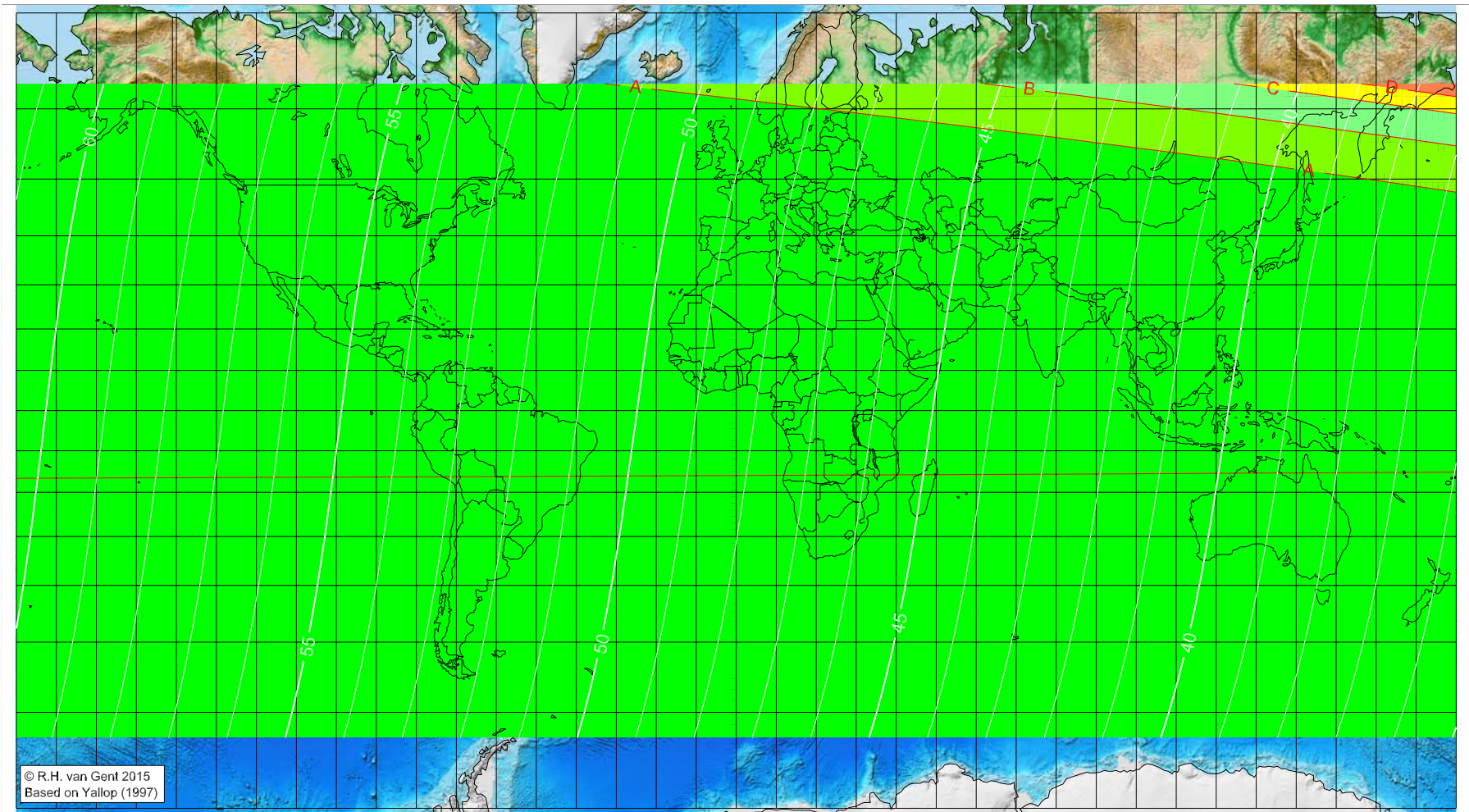
- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset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

| Longitude (°) | Latitude (°) | Lunar age (h) |
|---------------|--------------|---------------|
| 27.90 | -13.71 | 21.90 |
| 76.15 | -13.19 | 18.63 |
| 107.58 | -12.78 | 16.51 |
| 123.33 | -12.54 | 15.44 |
| 136.83 | -12.31 | 14.53 |

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

First visibility lunar crescent for Dhu 'l-Hijja 1438 AH

Global visibility map for 23 August 2017 [Wednesday]
Second day after luni-solar conjunction



© R.H. van Gent 2015
Based on Yallop (1997)

Astronomical New Moon: 21 August 2017, 18h 30.2m (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 = 1171
Islamic Lunation Number = 17256
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

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