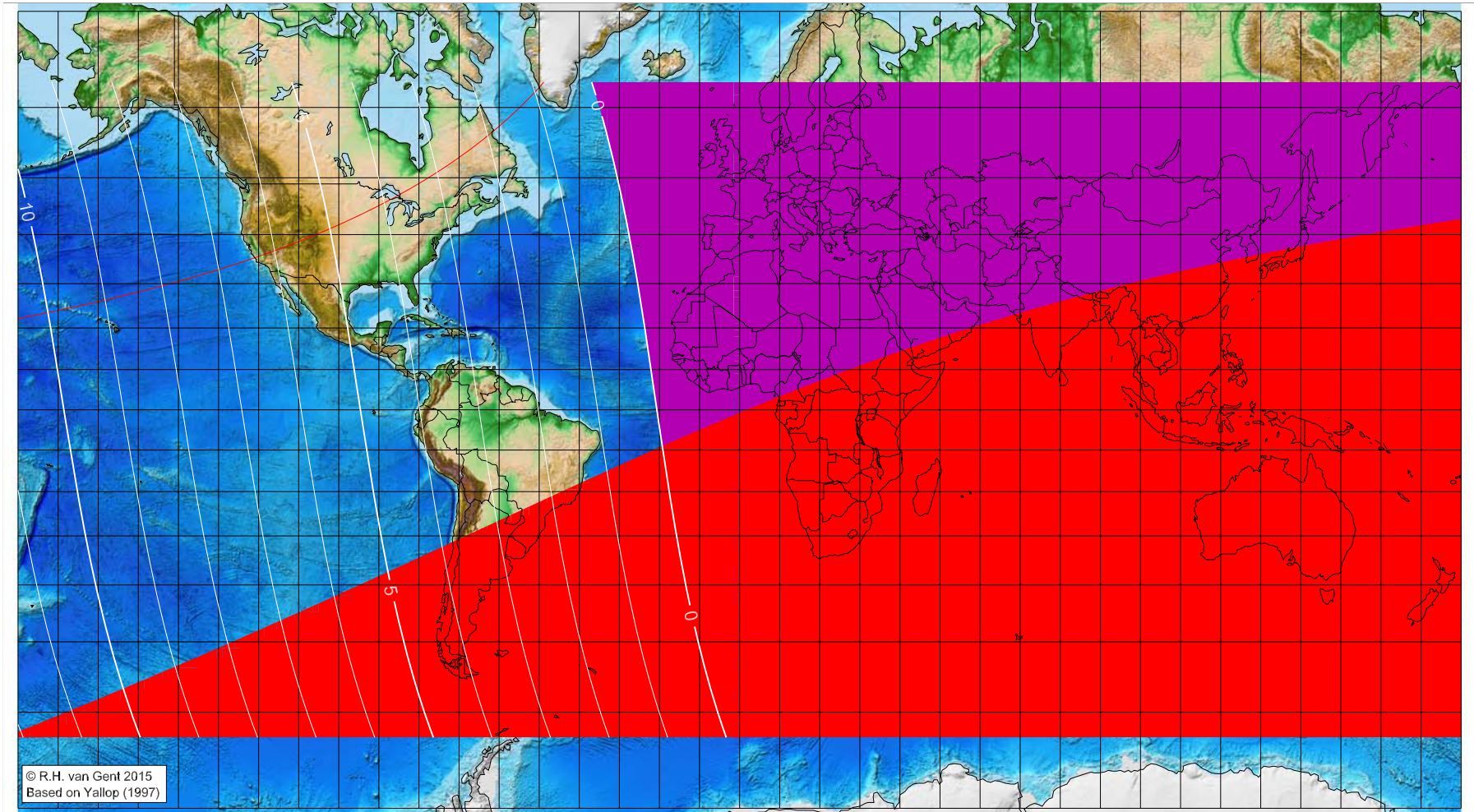


First visibility lunar crescent for Şafar 1439 AH

Global visibility map for 19 October 2017 [Thursday]
Day of luni-solar conjunction



Astronomical New Moon: 19 October 2017, 19h 12.0m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1173
Islamic Lunation Number = 17258
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)

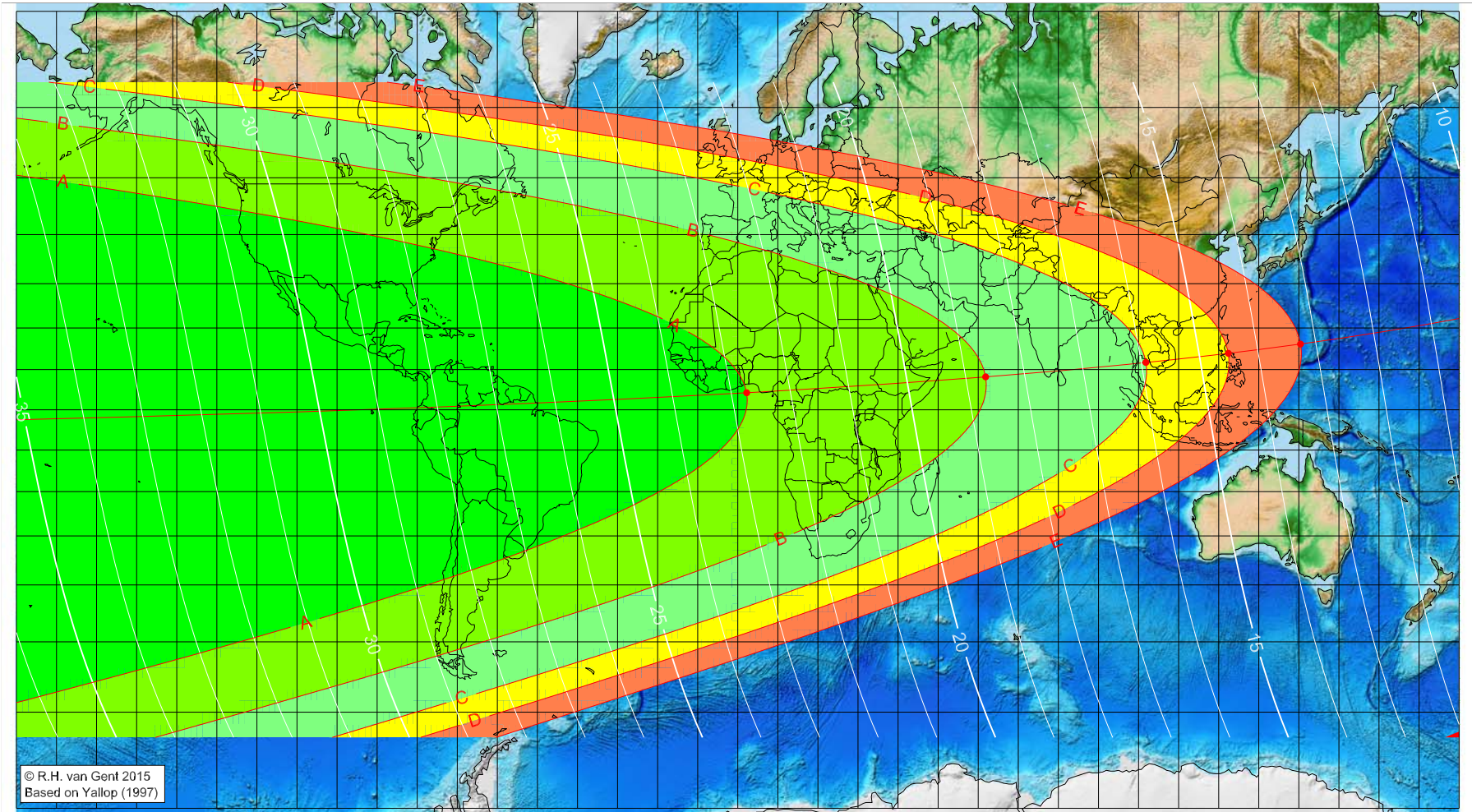
| Longitude (°) | Latitude (°) | Lunar age (h) |
|---------------|--------------|------------------------------------|
| | | not visible until the next evening |
| | | not visible until the next evening |
| | | not visible until the next evening |
| | | not visible until the next evening |
| | | not 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 Şafar 1439 AH

Global visibility map for 20 October 2017 [Friday]
Day after luni-solar conjunction



Astronomical New Moon: 19 October 2017, 19h 12.0m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1173

Islamic Lunation Number = 17258

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

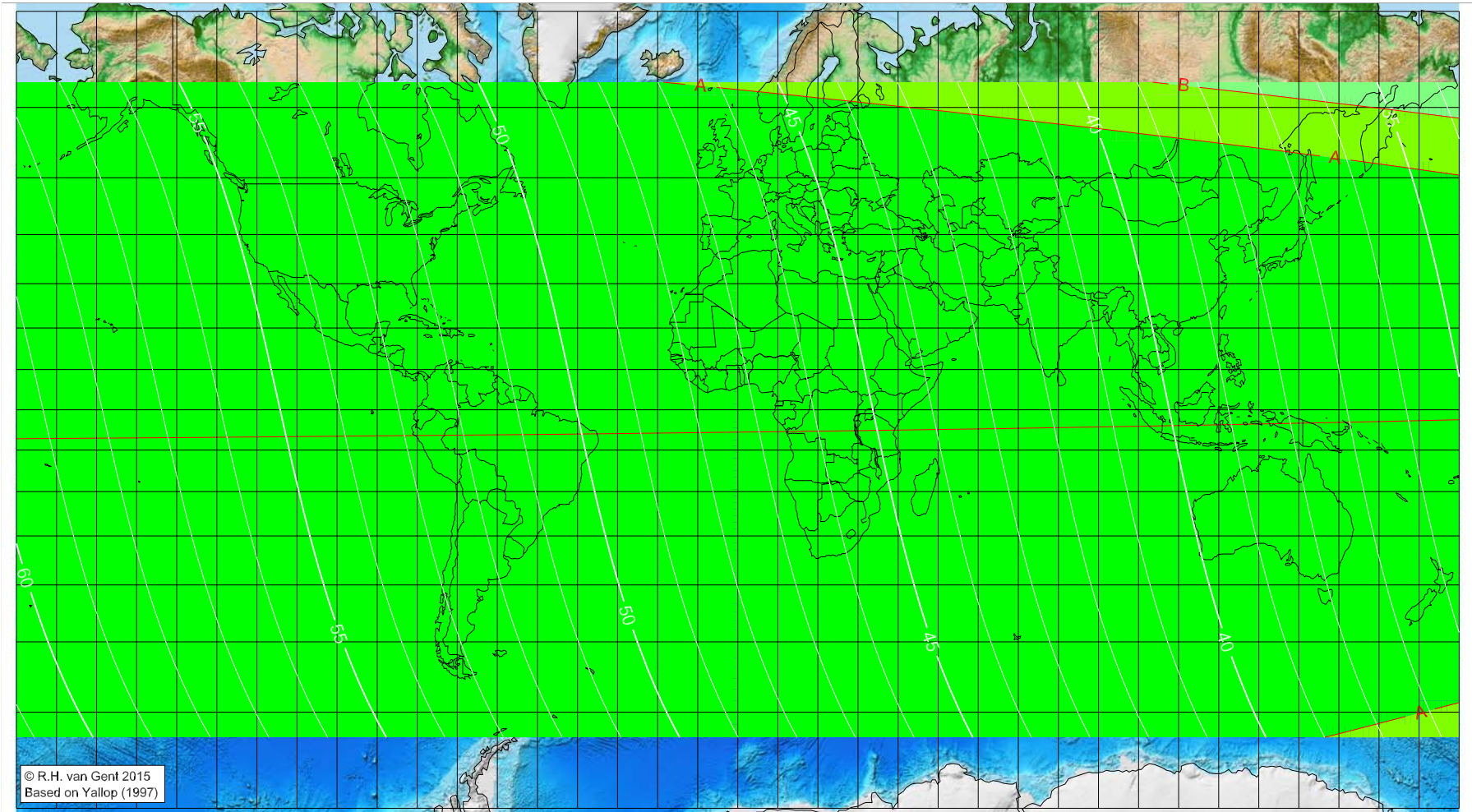
- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset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

| Longitude (°) | Latitude (°) | Lunar age (h) |
|---------------|--------------|---------------|
| 2.22 | 4.25 | 22.74 |
| 61.85 | 8.19 | 18.66 |
| 101.83 | 11.74 | 15.92 |
| 122.41 | 13.96 | 14.50 |
| 140.42 | 16.18 | 13.26 |

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

First visibility lunar crescent for Şafar 1439 AH

Global visibility map for 21 October 2017 [Saturday]
Second day after luni-solar conjunction



Astronomical New Moon: 19 October 2017, 19h 12.0m (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 = 1173
Islamic Lunation Number = 17258
 $TT - UT [= \Delta T] = 1.1 \text{ min}$

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/>