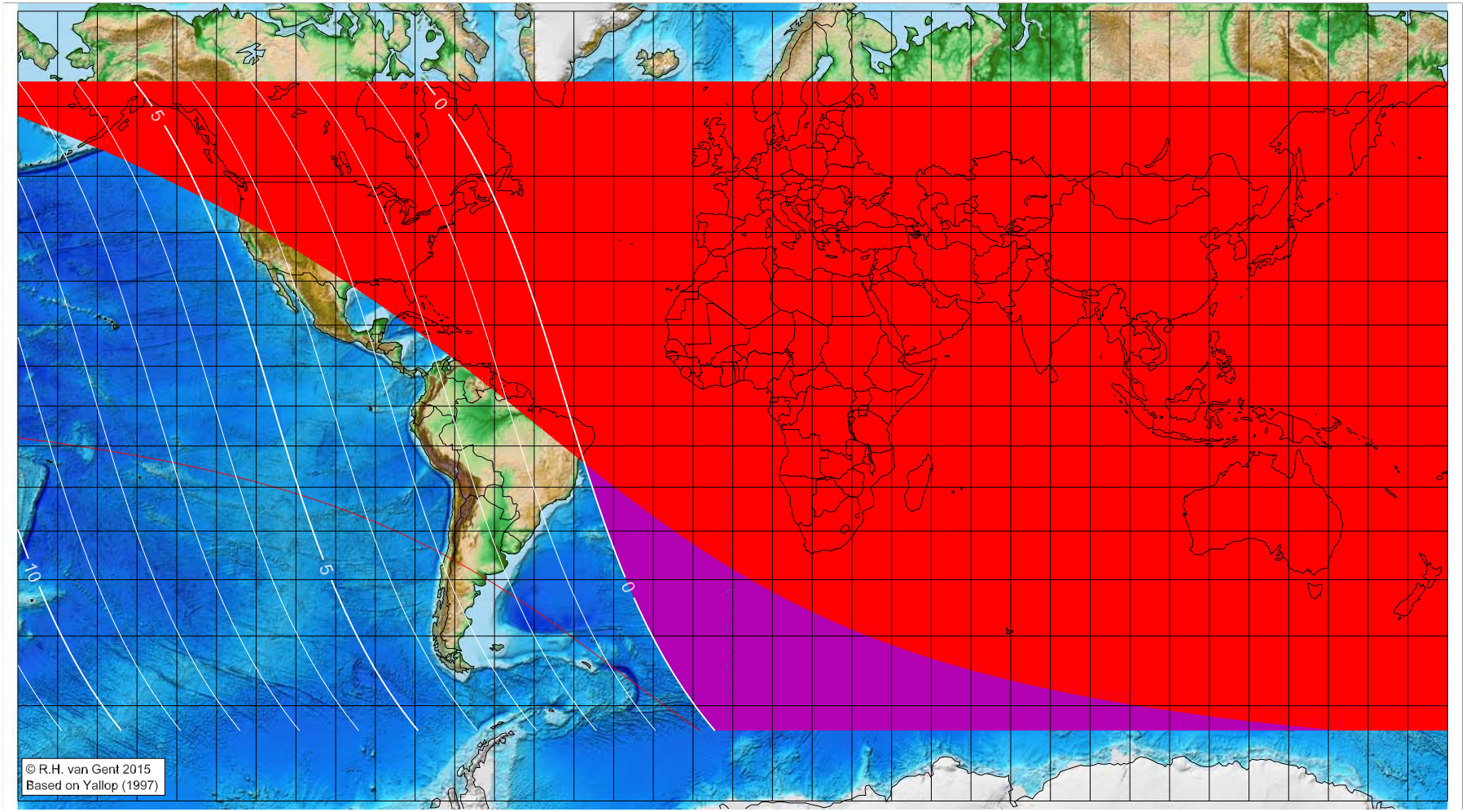
# First visibility lunar crescent for Jumādā ʾl-Ākhira 1440 AH

## Global visibility map for 4 February 2019 [Monday]

Day of luni-solar conjunction




Astronomical New Moon: 4 February 2019, 21h 3.5m (UTC)

First visibility (•)

| 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 | | |

- 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°)

Astronomical (Brown) Lunation Number = 1189
Islamic Lunation Number = 17274
TT – UT [= ΔT] = 1.2 min

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

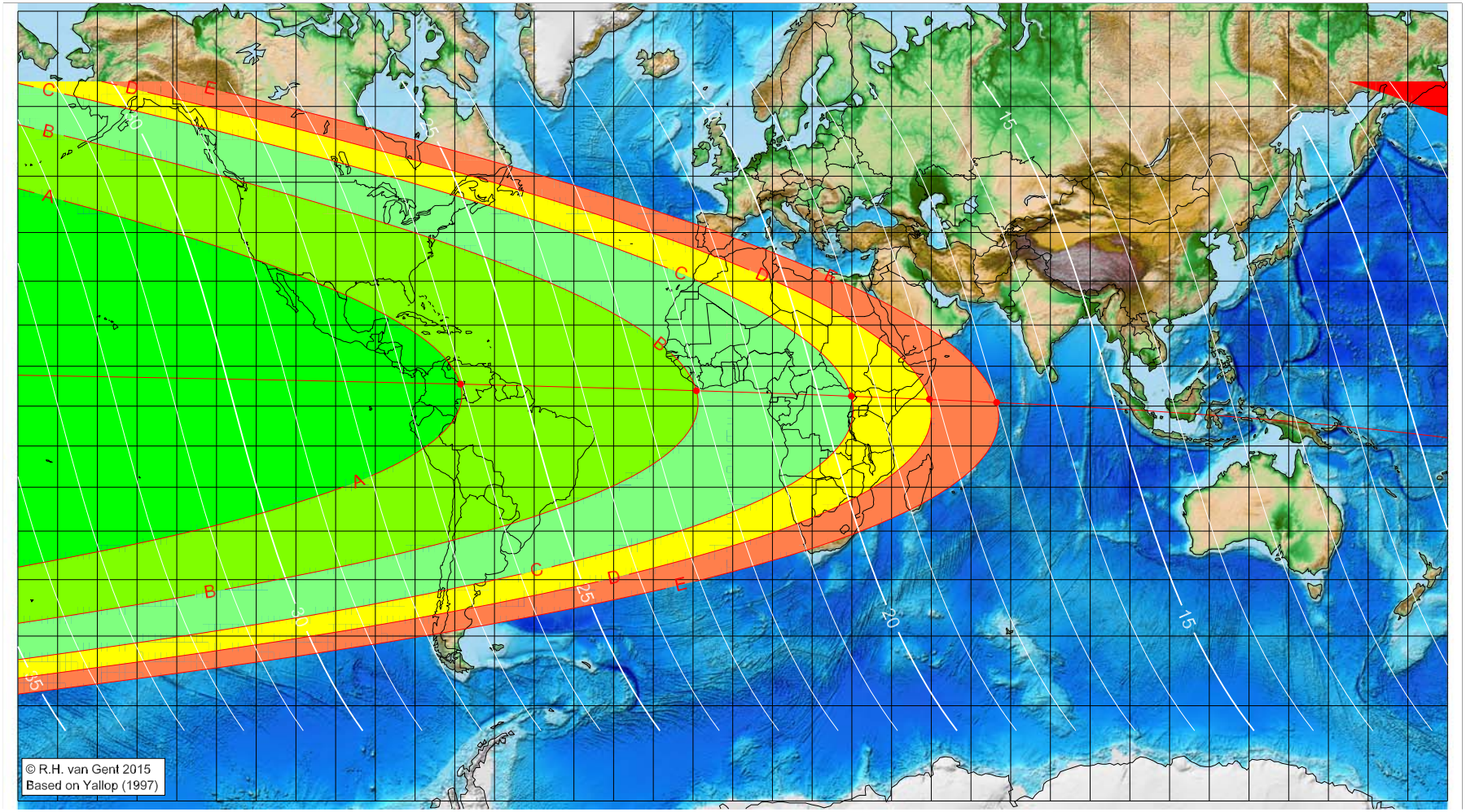
- moonset before sunset
- before conjunction (astronomical new moon)

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

# First visibility lunar crescent for Jumādā ʾl-Ākhira 1440 AH

## Global visibility map for 5 February 2019 [Tuesday]

Day after luni-solar conjunction




Astronomical New Moon: 4 February 2019, 21h 3.5m (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°)

First visibility (●)

| Longitude (°) | Latitude (°) | Lunar age (h) |
|---|---|---|
| -68.56 | 5.52 | 26.05 |
| -9.14 | 3.88 | 22.06 |
| 29.87 | 2.51 | 19.45 |
| 49.53 | 1.70 | 18.14 |
| 66.45 | 0.92 | 17.01 |

Astronomical (Brown) Lunation Number = 1189
Islamic Lunation Number = 17274
TT – UT [= ΔT] = 1.2 min

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

moonset before sunset

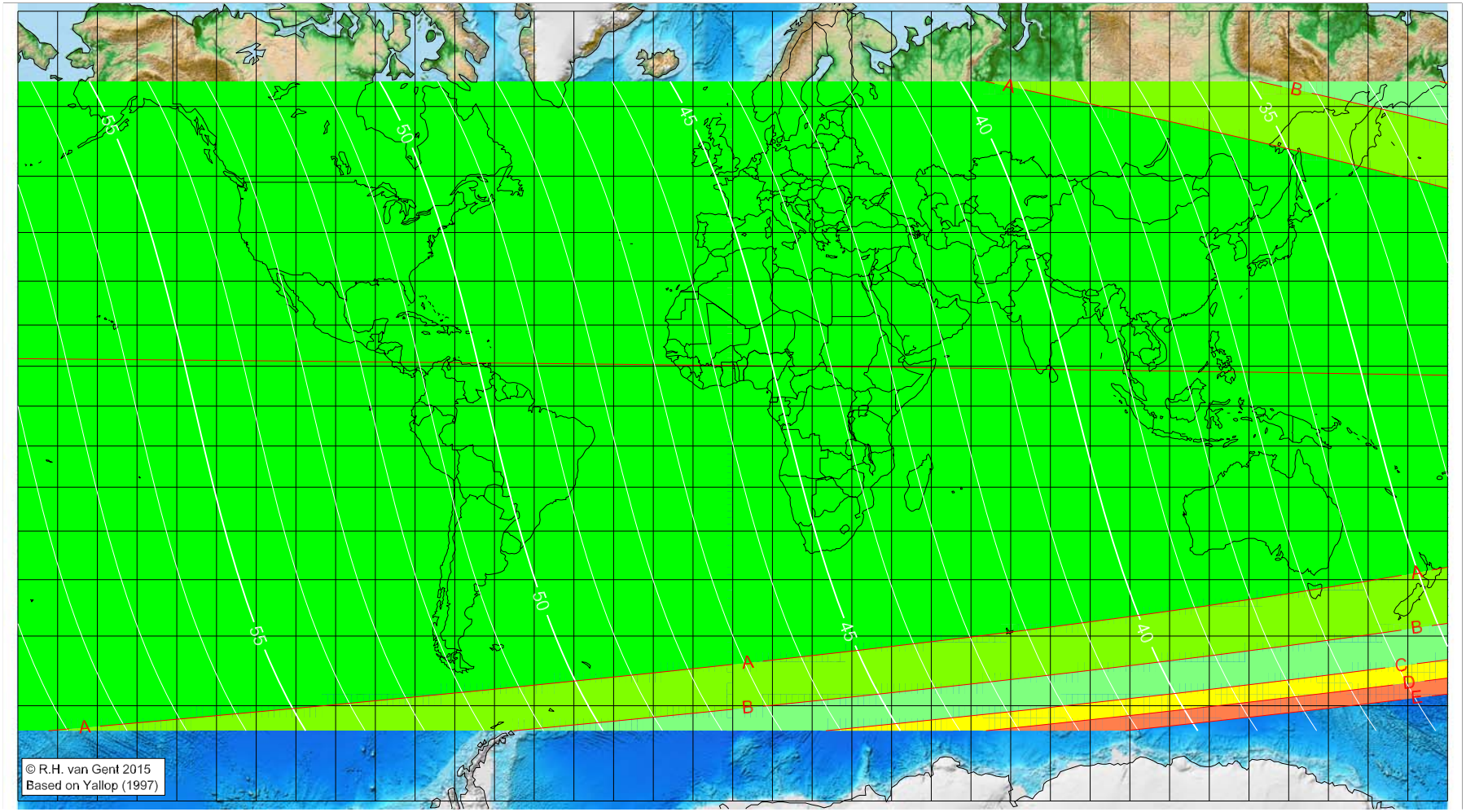
before conjunction (astronomical new moon)

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

# First visibility lunar crescent for Jumādā ʾl-Ākhira 1440 AH

## Global visibility map for 6 February 2019 [Wednesday]

Second day after luni-solar conjunction




Astronomical New Moon: 4 February 2019, 21h 3.5m (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 = 1189
Islamic Lunation Number = 17274
TT – UT [= ΔT] = 1.2 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/