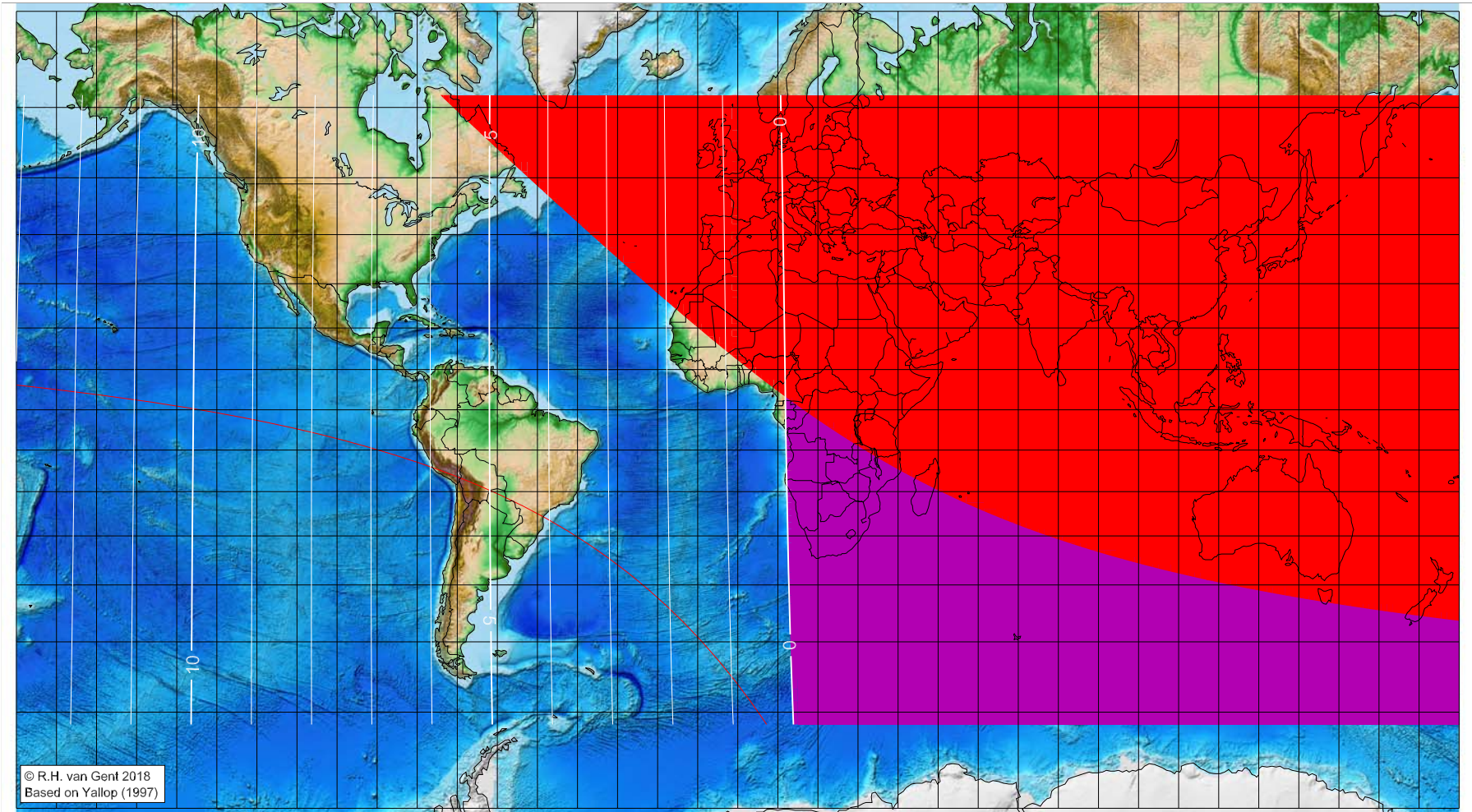


# First visibility lunar crescent for Ramaḍān 1444 AH

Global visibility map for 21 March 2023 [Tuesday]  
Day of luni-solar conjunction



© R.H. van Gent 2018  
Based on Yallop (1997)

Astronomical New Moon: 21 March 2023, 17h 23.1m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1240  
Islamic Lunation Number = 17325  
TT - UT [= ΔT] = 1.2 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°)

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

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

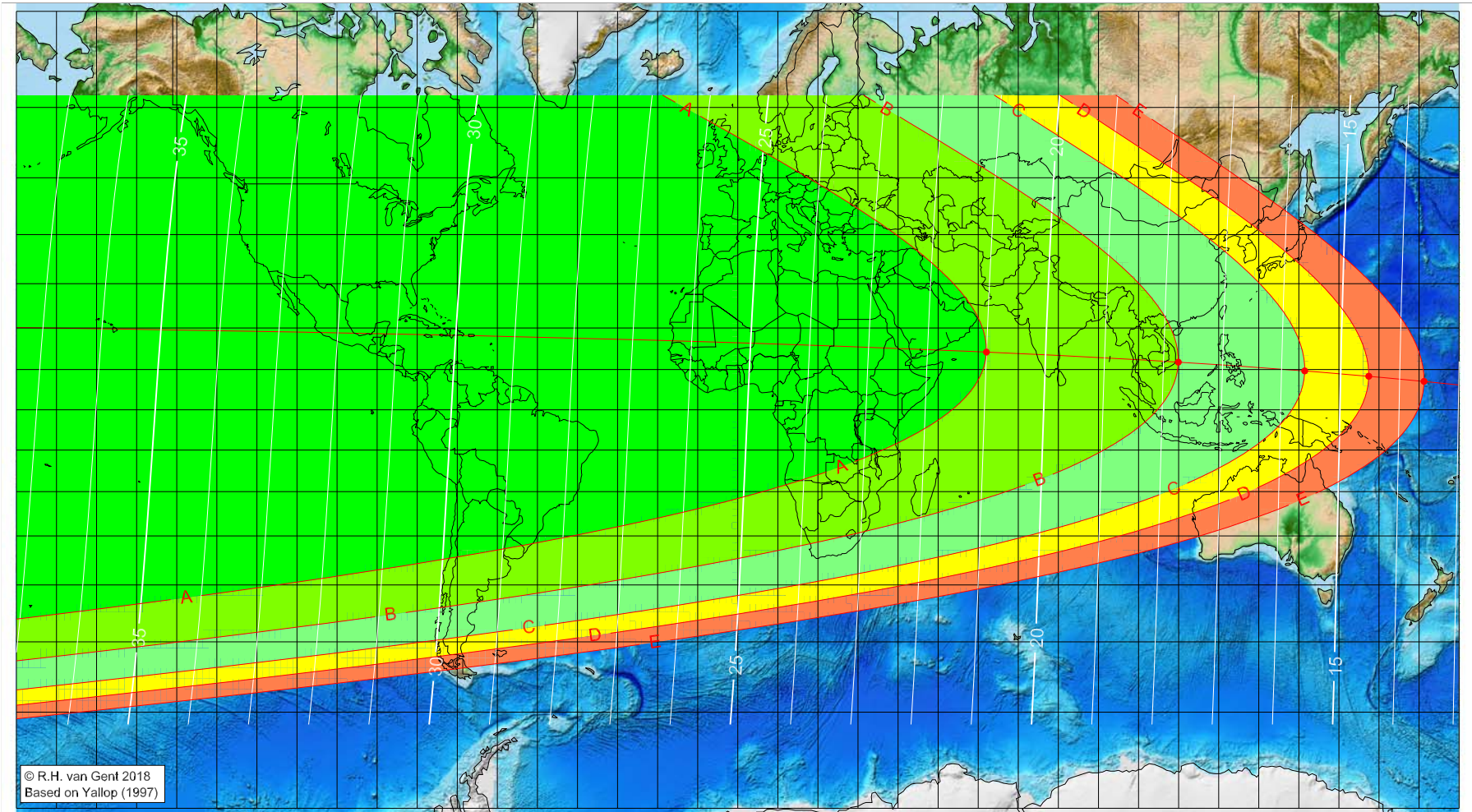
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

# First visibility lunar crescent for Ramaḍān 1444 AH

Global visibility map for 22 March 2023 [Wednesday]  
Day after luni-solar conjunction



Astronomical New Moon: 21 March 2023, 17h 23.1m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1240

Islamic Lunation Number = 17325

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

- 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°)

Longitude (°)	Latitude (°)	Lunar age (h)
62.04	14.25	21.00
109.93	11.80	17.75
141.47	9.66	15.61
157.45	8.35	14.52
171.24	7.07	13.59

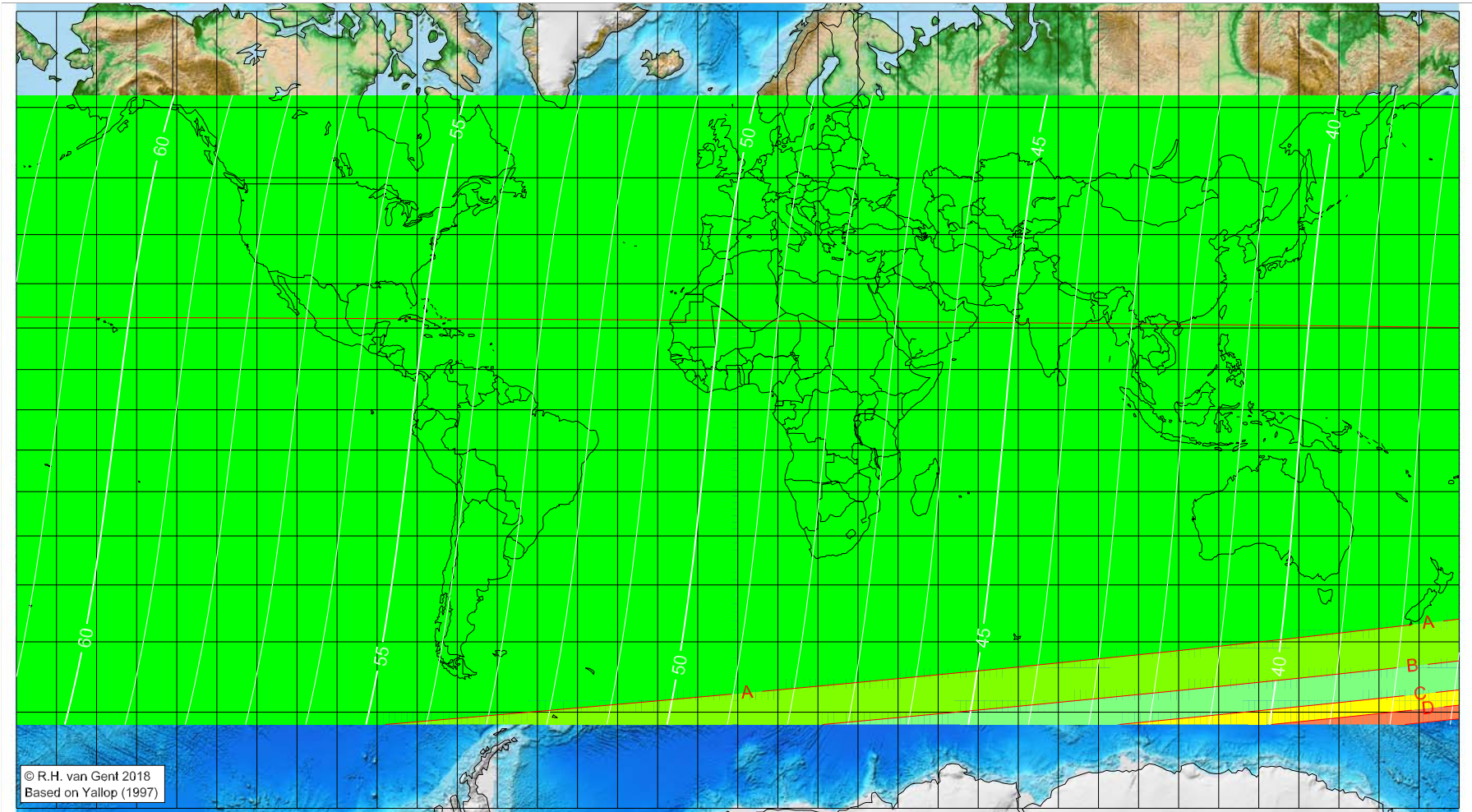
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

# First visibility lunar crescent for Ramaḍān 1444 AH

Global visibility map for 23 March 2023 [Thursday]  
Second day after luni-solar conjunction



Astronomical New Moon: 21 March 2023, 17h 23.1m (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 = 1240  
Islamic Lunation Number = 17325  
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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

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