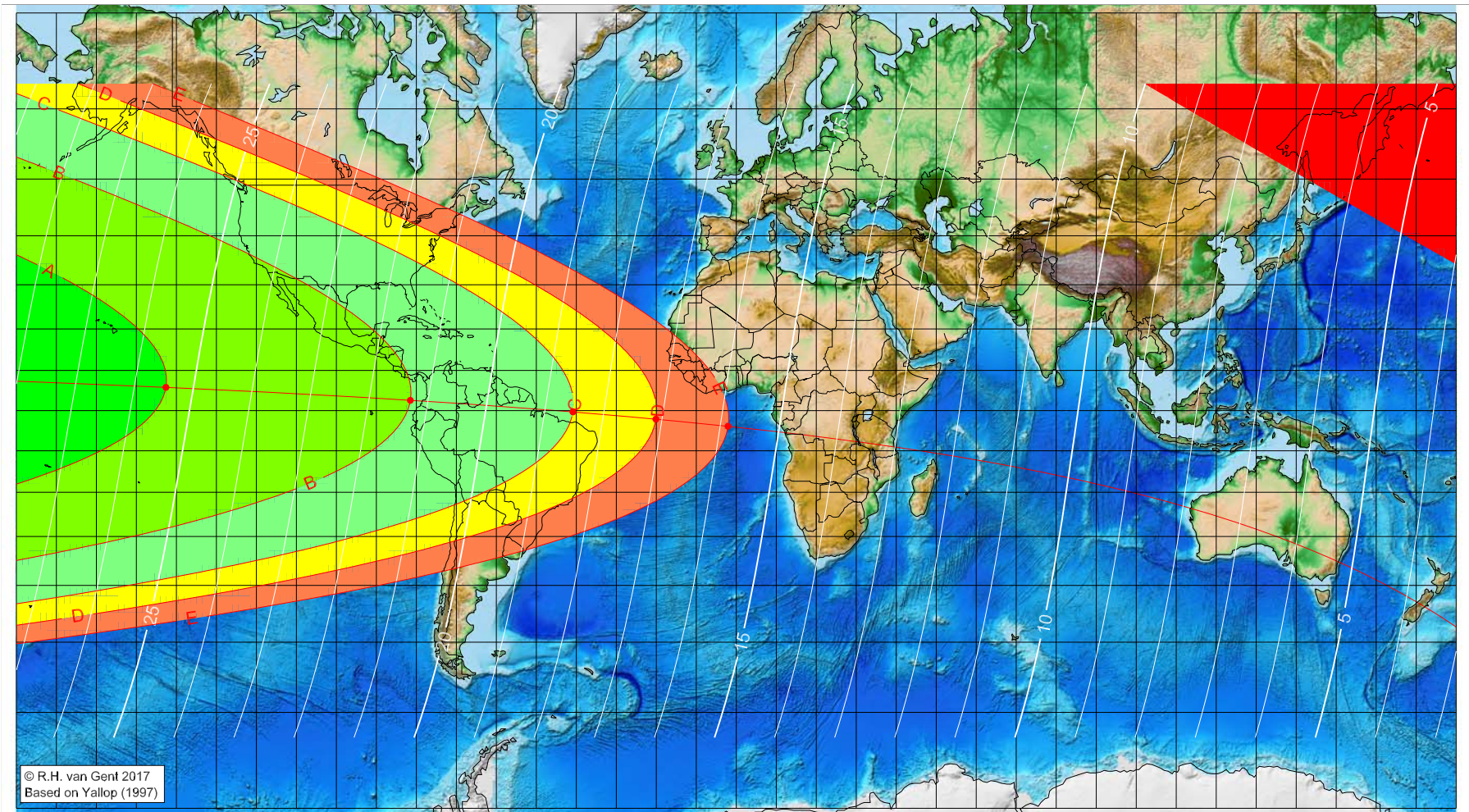


First visibility lunar crescent for Ramaḍān 1442 AH

Global visibility map for 12 April 2021 [Monday]
Day of luni-solar conjunction



Astronomical New Moon: 12 April 2021, 2h 30.7m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1216
Islamic Lunation Number = 17301
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)
-142.61	5.81	25.46
-81.50	2.57	21.30
-40.85	-0.33	18.52
-20.10	-2.13	17.10
-2.06	-3.91	15.87

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

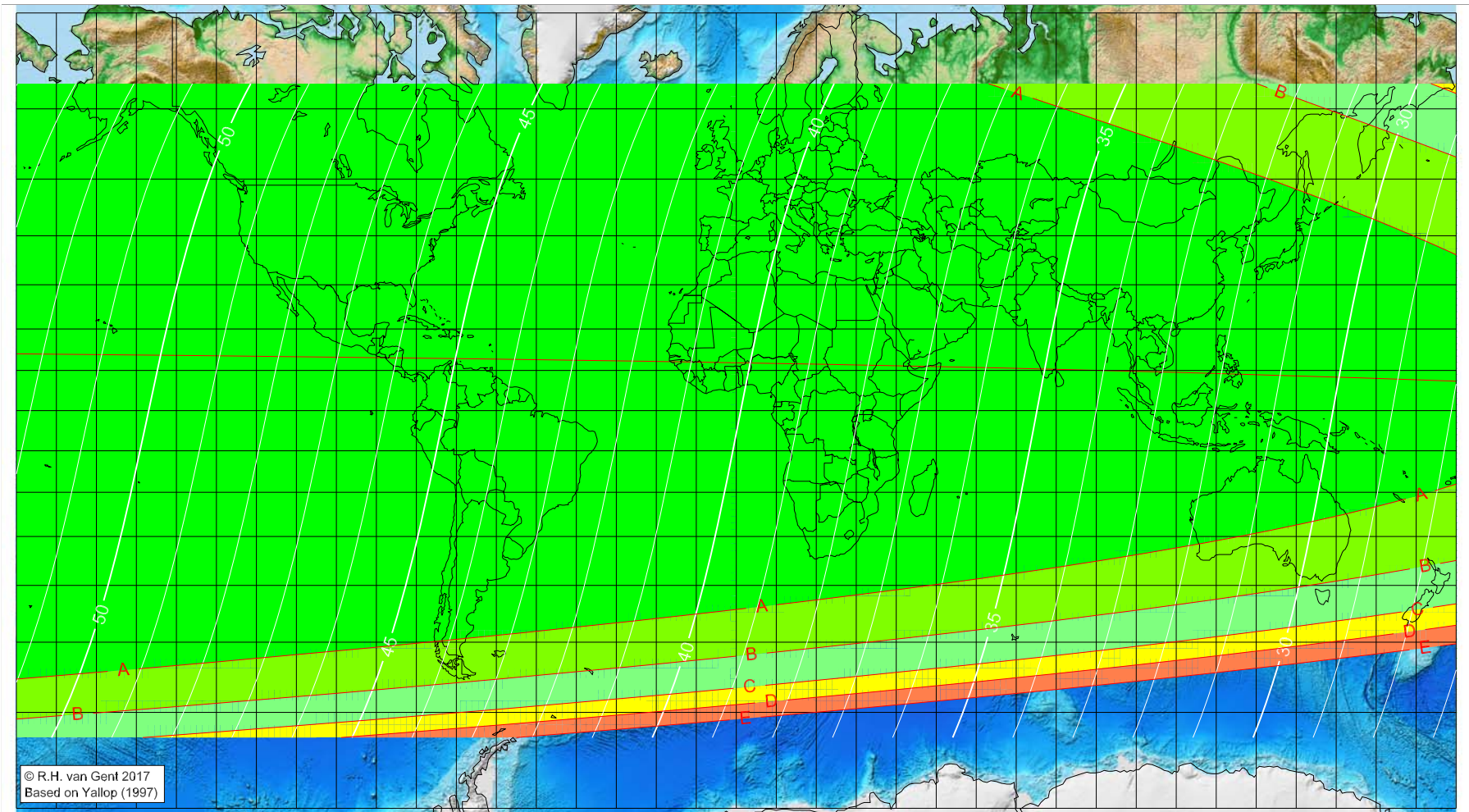
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

First visibility lunar crescent for Ramaḍān 1442 AH

Global visibility map for 13 April 2021 [Tuesday]
Day after luni-solar conjunction



© R.H. van Gent 2017
Based on Yallop (1997)

Astronomical New Moon: 12 April 2021, 2h 30.7m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1216
Islamic Lunation Number = 17301
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°)
- moonset before sunset
- before conjunction (astronomical new moon)

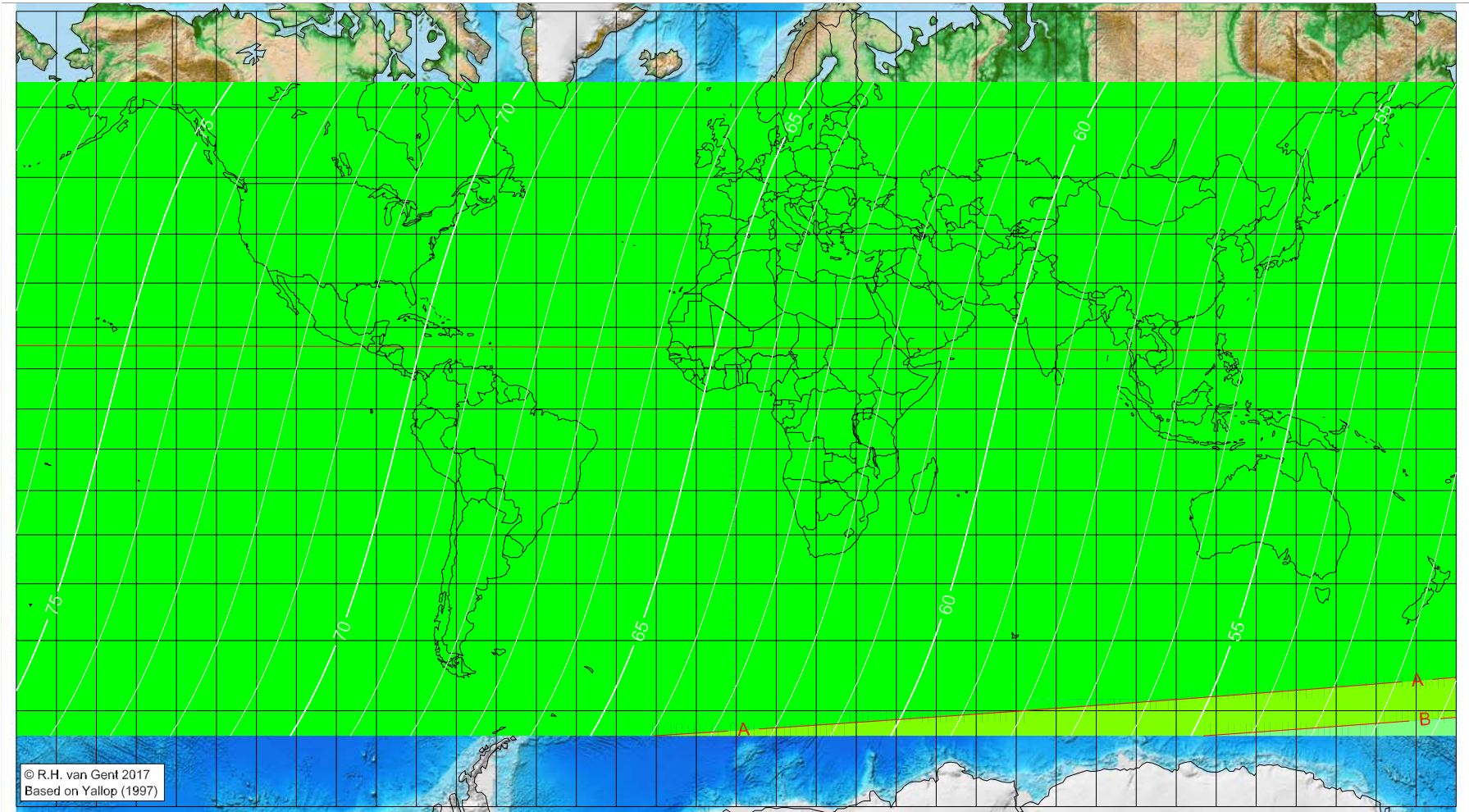
Longitude (°) Latitude (°) Lunar age (h)
 visible on the previous evening
 visible on the previous evening
 visible on the previous evening
 visible on the previous evening
 visible on the previous evening

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 Ramaḍān 1442 AH

Global visibility map for 14 April 2021 [Wednesday]
 Second day after luni-solar conjunction



Astronomical New Moon: 12 April 2021, 2h 30.7m (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 = 1216
 Islamic Lunation Number = 17301
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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/>