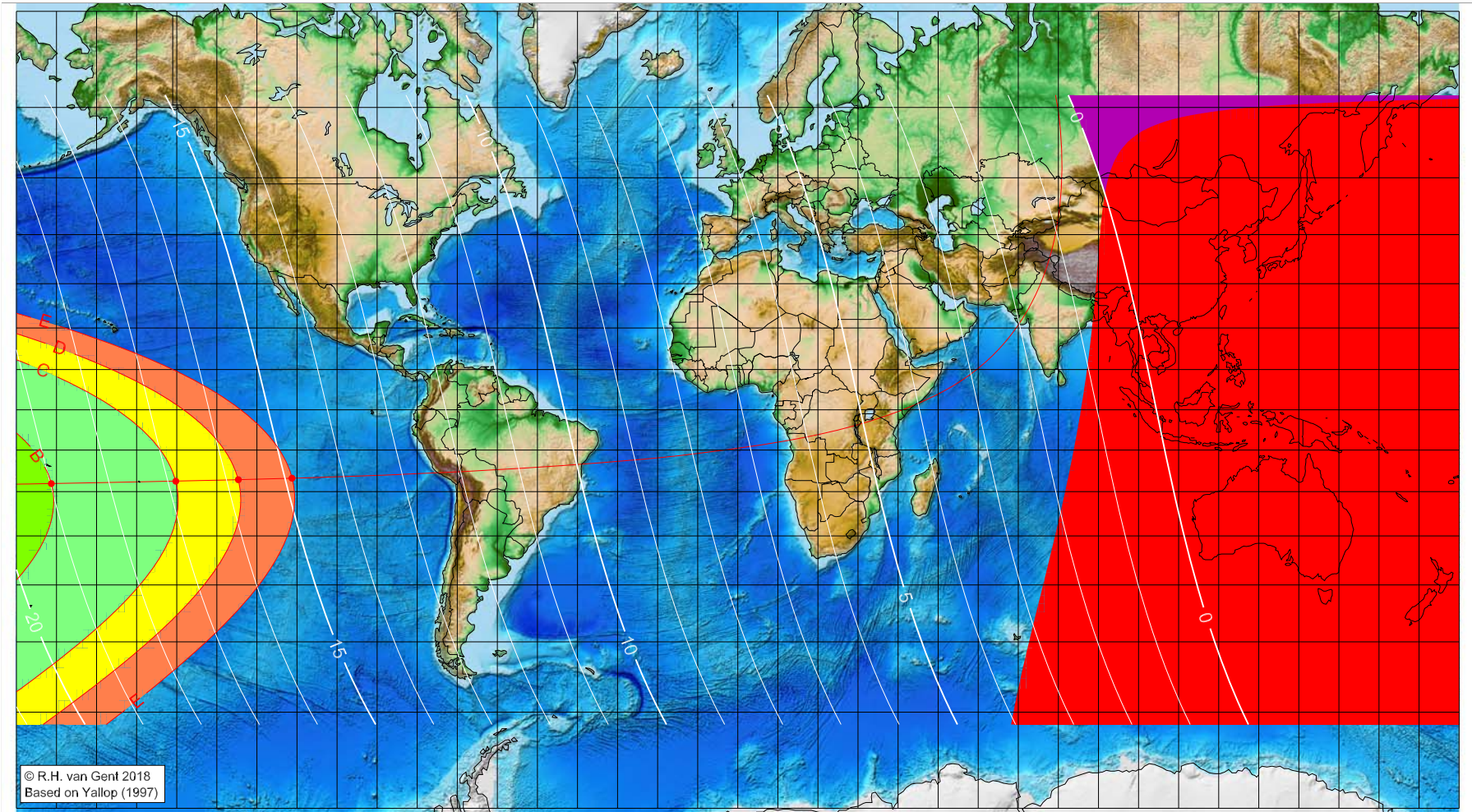


First visibility lunar crescent for Rabī' al-Ākhir 1444 AH

Global visibility map for 25 October 2022 [Tuesday]
Day of luni-solar conjunction



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

Astronomical New Moon: 25 October 2022, 10h 48.5m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1235

Islamic Lunation Number = 17320

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°)

■ moonset before sunset

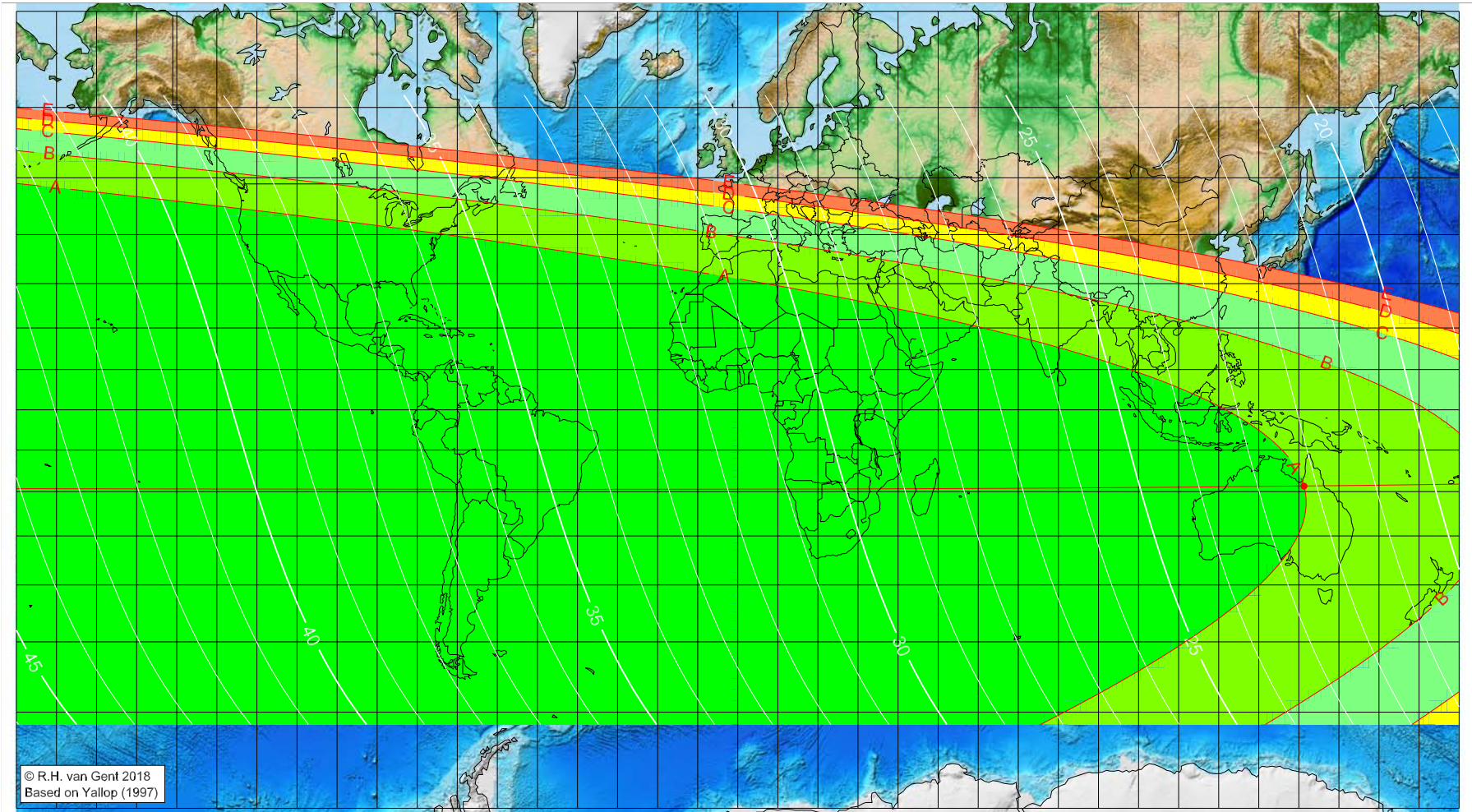
■ before conjunction (astronomical new moon)

Longitude (°)	Latitude (°)	Lunar age (h)
-171.29	-18.11	18.98
-140.24	-17.54	16.86
-124.63	-17.18	15.80
-111.24	-16.82	14.88

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

First visibility lunar crescent for Rabī' al-Ākhir 1444 AH

Global visibility map for 26 October 2022 [Wednesday]
Day after luni-solar conjunction



Astronomical New Moon: 25 October 2022, 10h 48.5m (UTC)

First visibility (•)

Longitude (°)	Latitude (°)	Lunar age (h)
141.28	-18.70	22.21
visible on the previous evening		
visible on the previous evening		
visible on the previous evening		

Astronomical (Brown) Lunation Number = 1235

Islamic Lunation Number = 17320

TT - UT [= ΔT] = 1.2 min

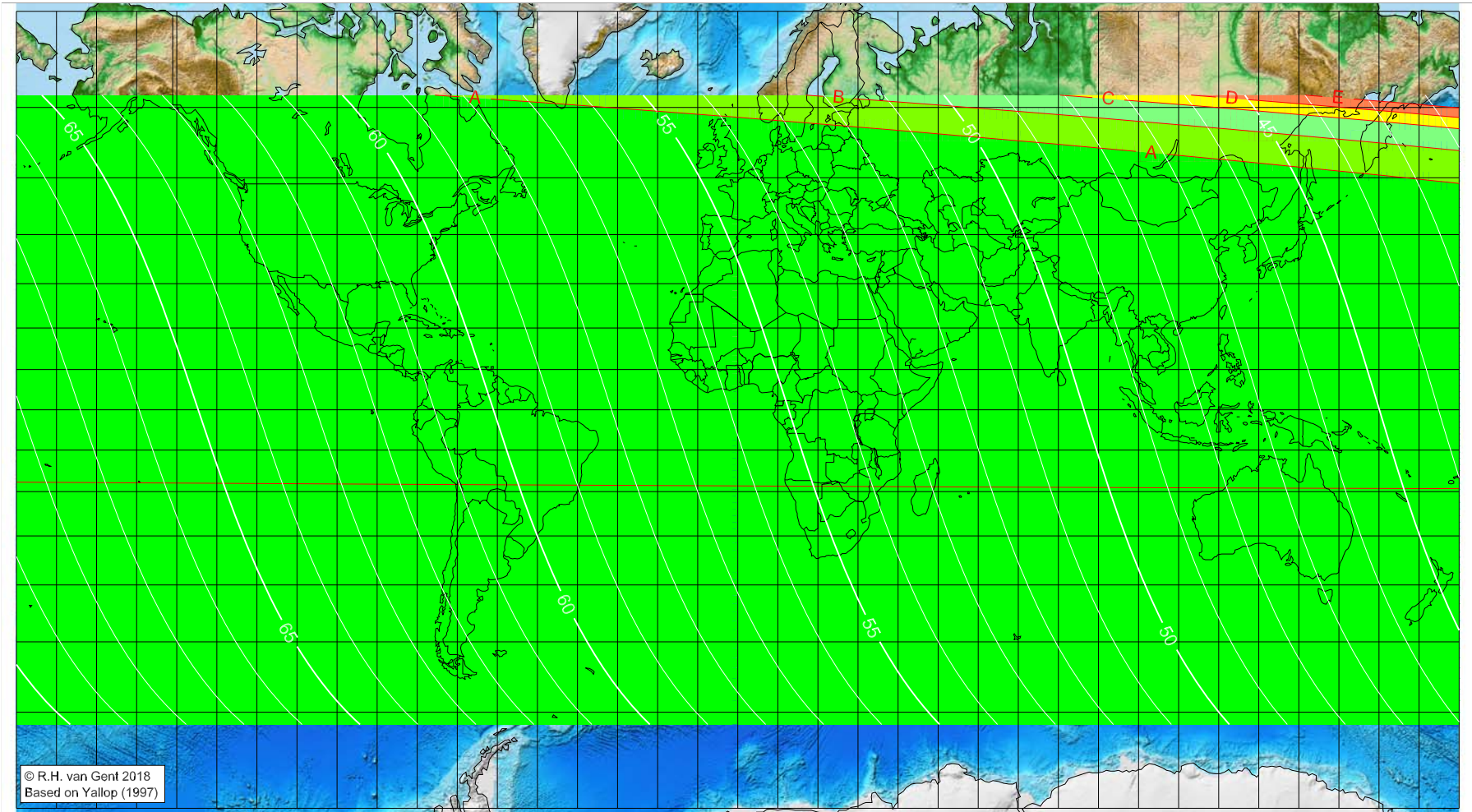
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

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

First visibility lunar crescent for Rabī' al-Ākhir 1444 AH

Global visibility map for 27 October 2022 [Thursday]
Second day after luni-solar conjunction



Astronomical New Moon: 25 October 2022, 10h 48.5m (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 = 1235
Islamic Lunation Number = 17320
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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/>