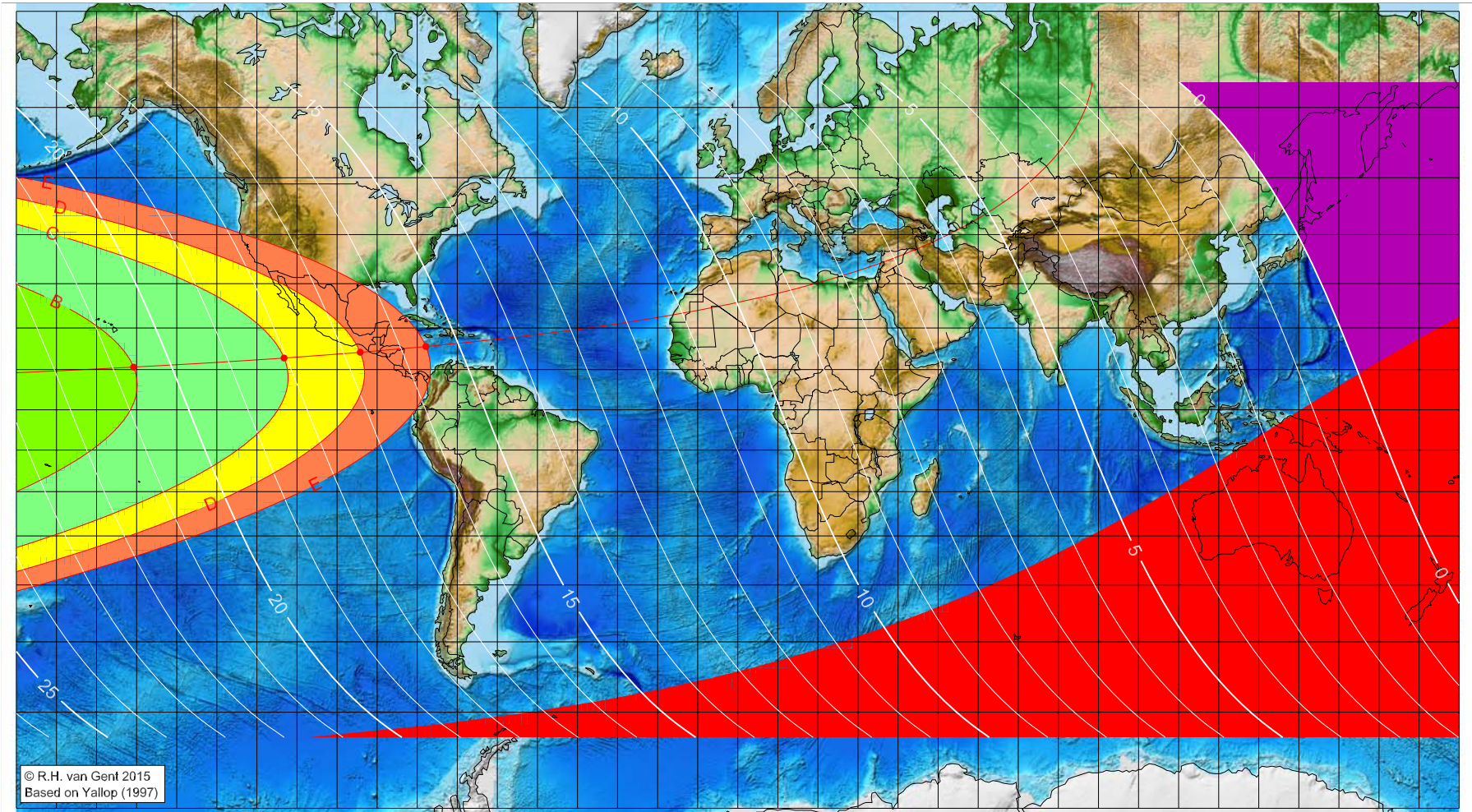


First visibility lunar crescent for Rabī' al-Ākhir 1440 AH

Global visibility map for 7 December 2018 [Friday]
Day of luni-solar conjunction



© R.H. van Gent 2015
Based on Yallop (1997)

Astronomical New Moon: 7 December 2018, 7h 20.3m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1187
Islamic Lunation Number = 17272
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)
-150.76	10.59	20.64
-113.21	12.82	18.04
-94.22	14.21	16.71
-77.84	15.59	15.57

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

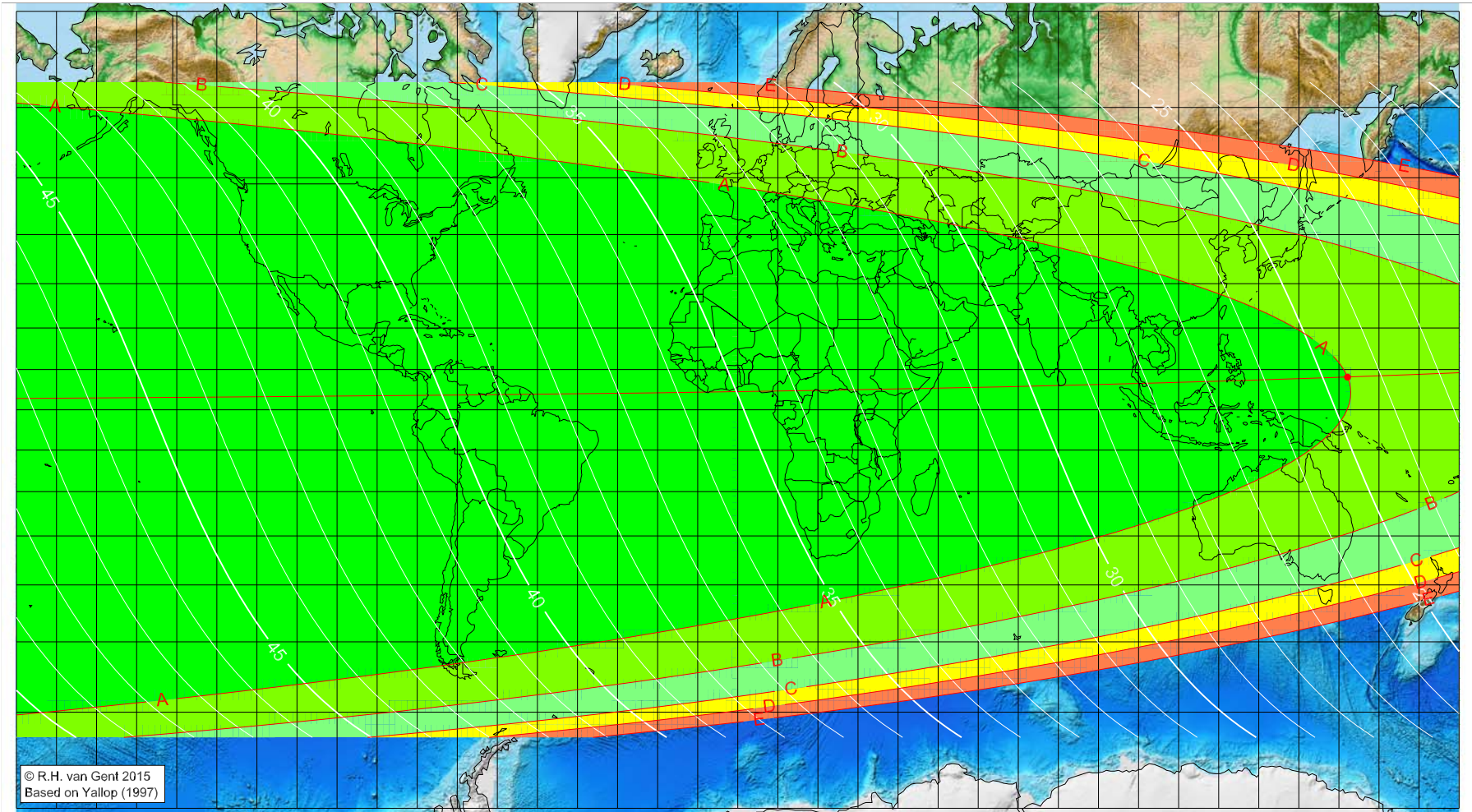
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

First visibility lunar crescent for Rabī al-Ākhir 1440 AH

Global visibility map for 8 December 2018 [Saturday]
Day after luni-solar conjunction



Astronomical New Moon: 7 December 2018, 7h 20.3m (UTC)

First visibility (•)

Longitude (°)	Latitude (°)	Lunar age (h)
152.15	8.13	24.58
visible on the previous evening		
visible on the previous evening		
visible on the previous evening		

Astronomical (Brown) Lunation Number = 1187
Islamic Lunation Number = 17272
TT - UT [= ΔT] = 1.2 min

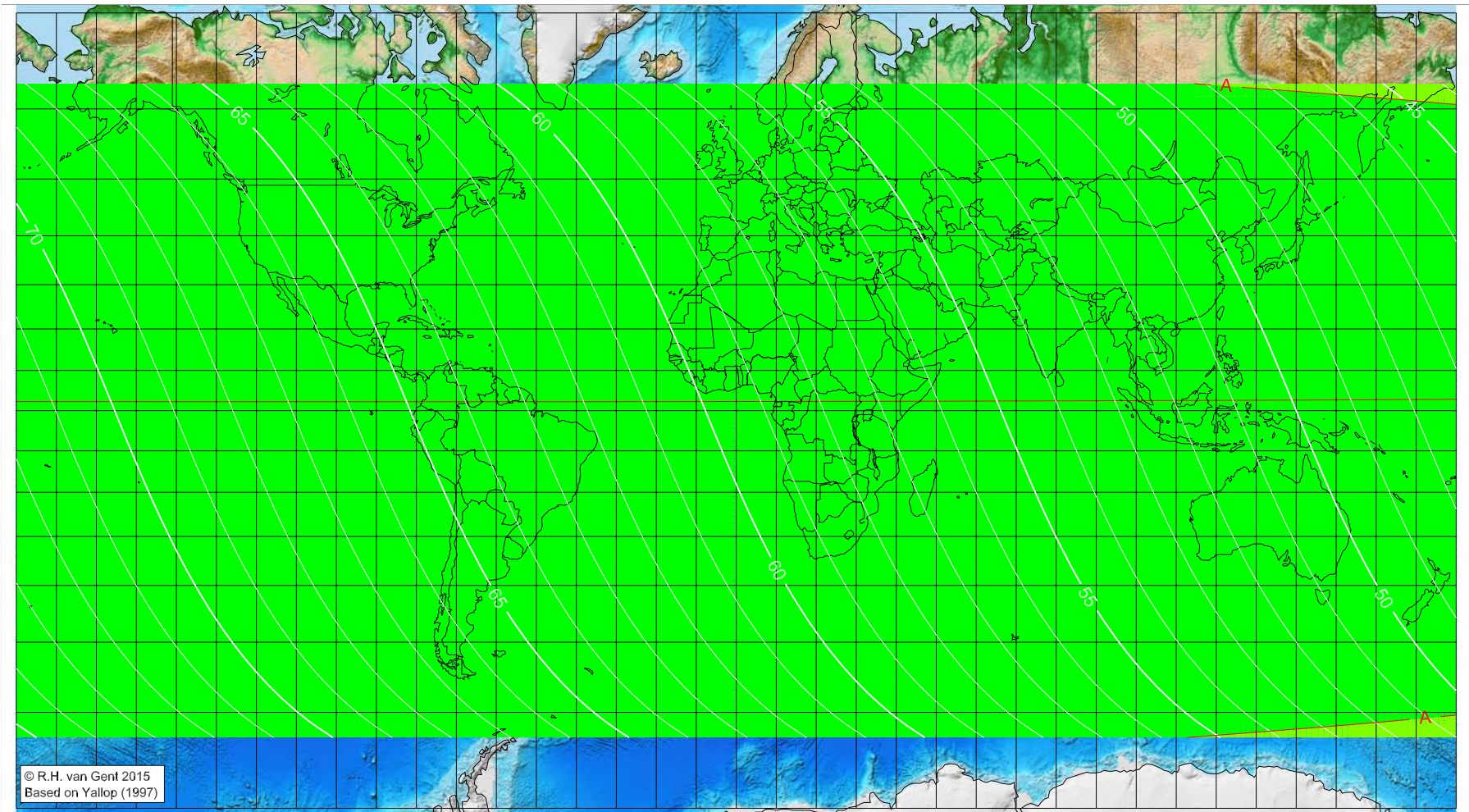
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

- A – easily visible to the unaided eye
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- 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 1440 AH

Global visibility map for 9 December 2018 [Sunday]
Second day after luni-solar conjunction



Astronomical New Moon: 7 December 2018, 7h 20.3m (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 = 1187
Islamic Lunation Number = 17272
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/>