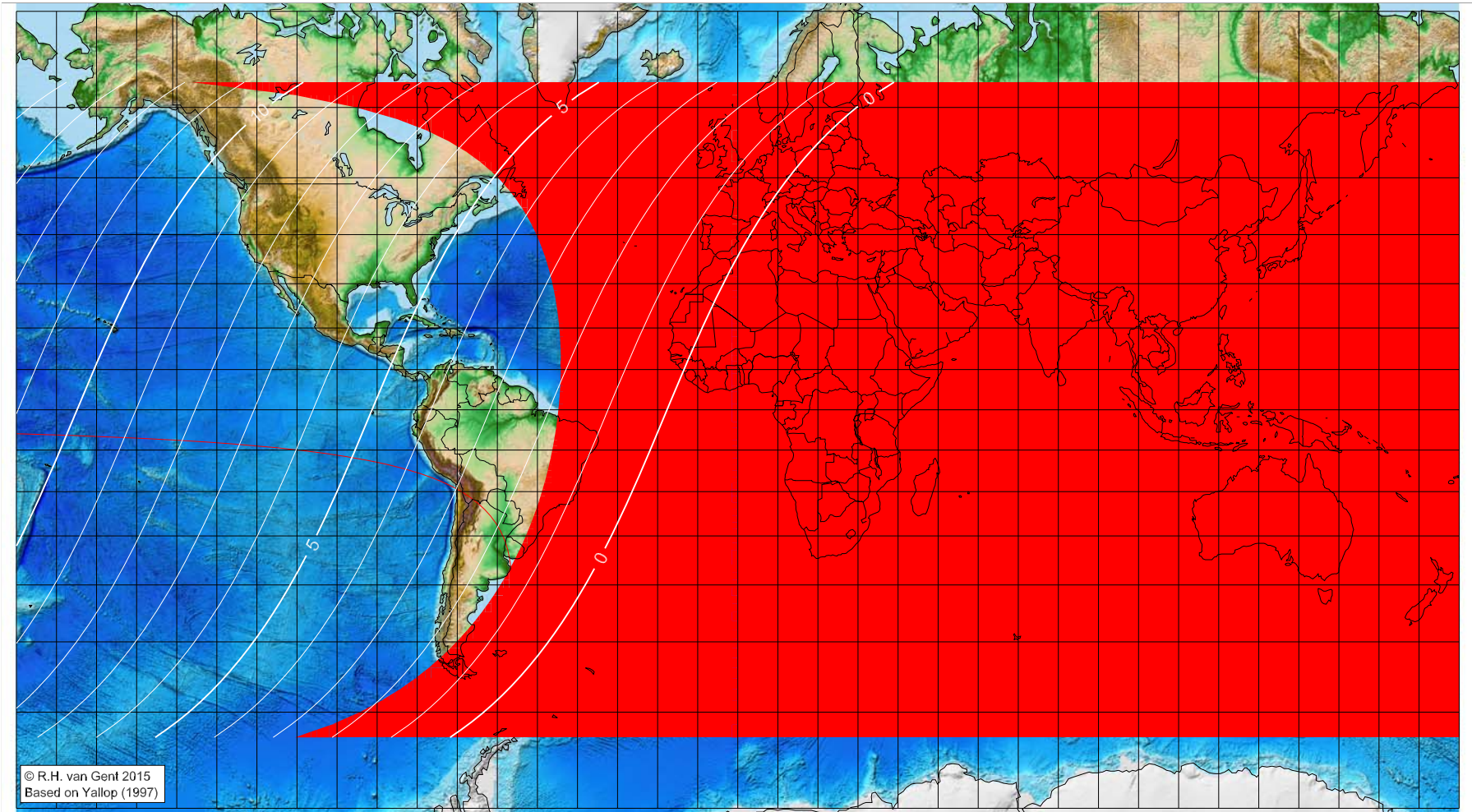


First visibility lunar crescent for Dhu 'l-Qa'da 1440 AH

Global visibility map for 2 July 2019 [Tuesday]
Day of luni-solar conjunction



Astronomical New Moon: 2 July 2019, 19h 16.2m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1194
Islamic Lunation Number = 17279
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)

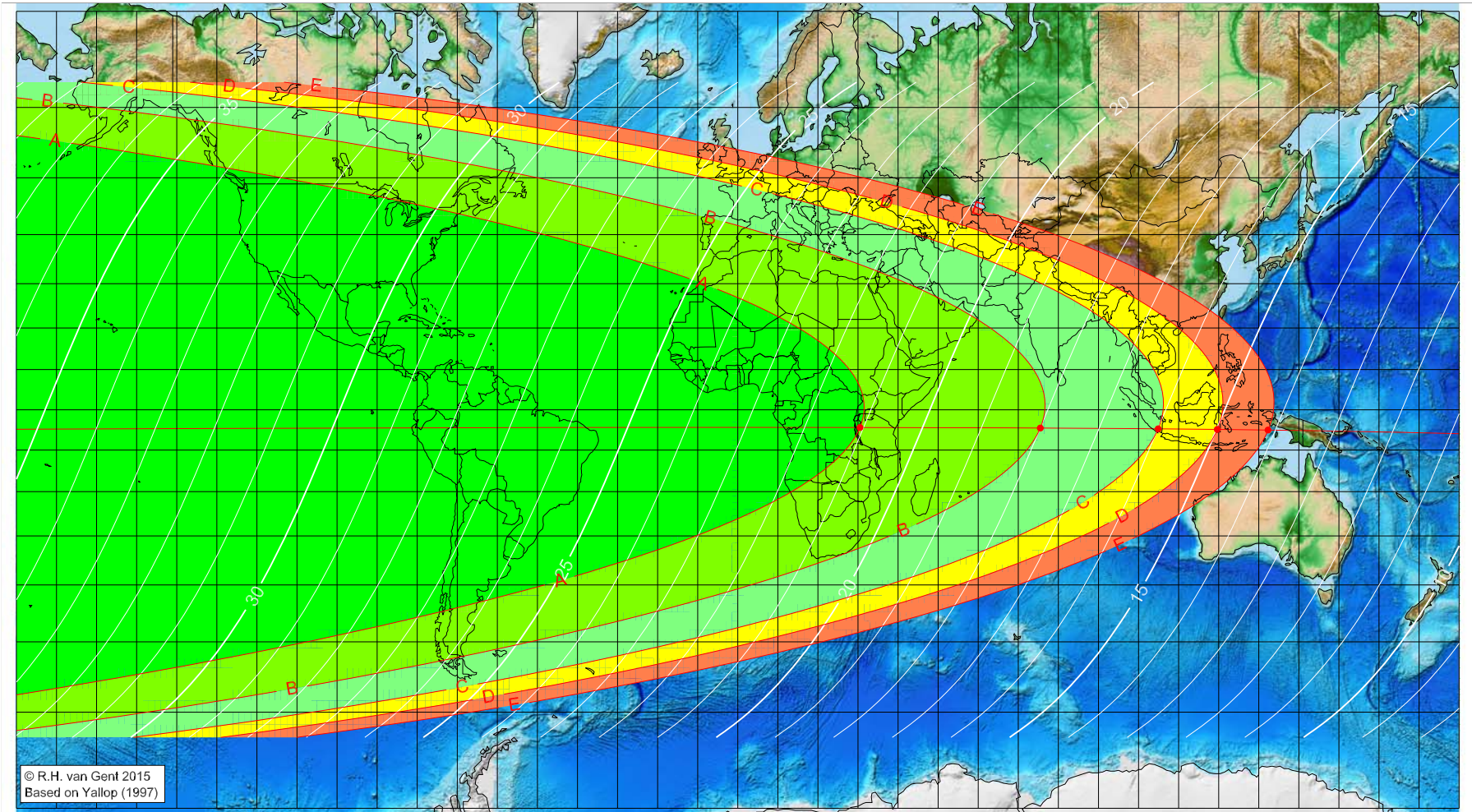
Longitude (°)	Latitude (°)	Lunar age (h)
		not visible until the next evening
		not visible until the next evening
		not visible until the next evening
		not visible until the next evening
		not visible until the next evening

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 Dhu 'l-Qa'da 1440 AH

Global visibility map for 3 July 2019 [Wednesday]
Day after luni-solar conjunction



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Based on Yallop (1997)

Astronomical New Moon: 2 July 2019, 19h 16.2m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1194

Islamic Lunation Number = 17279

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)
30.50	-4.41	21.06
75.49	-4.55	18.00
104.89	-4.75	16.00
119.66	-4.89	14.99
132.32	-5.04	14.12

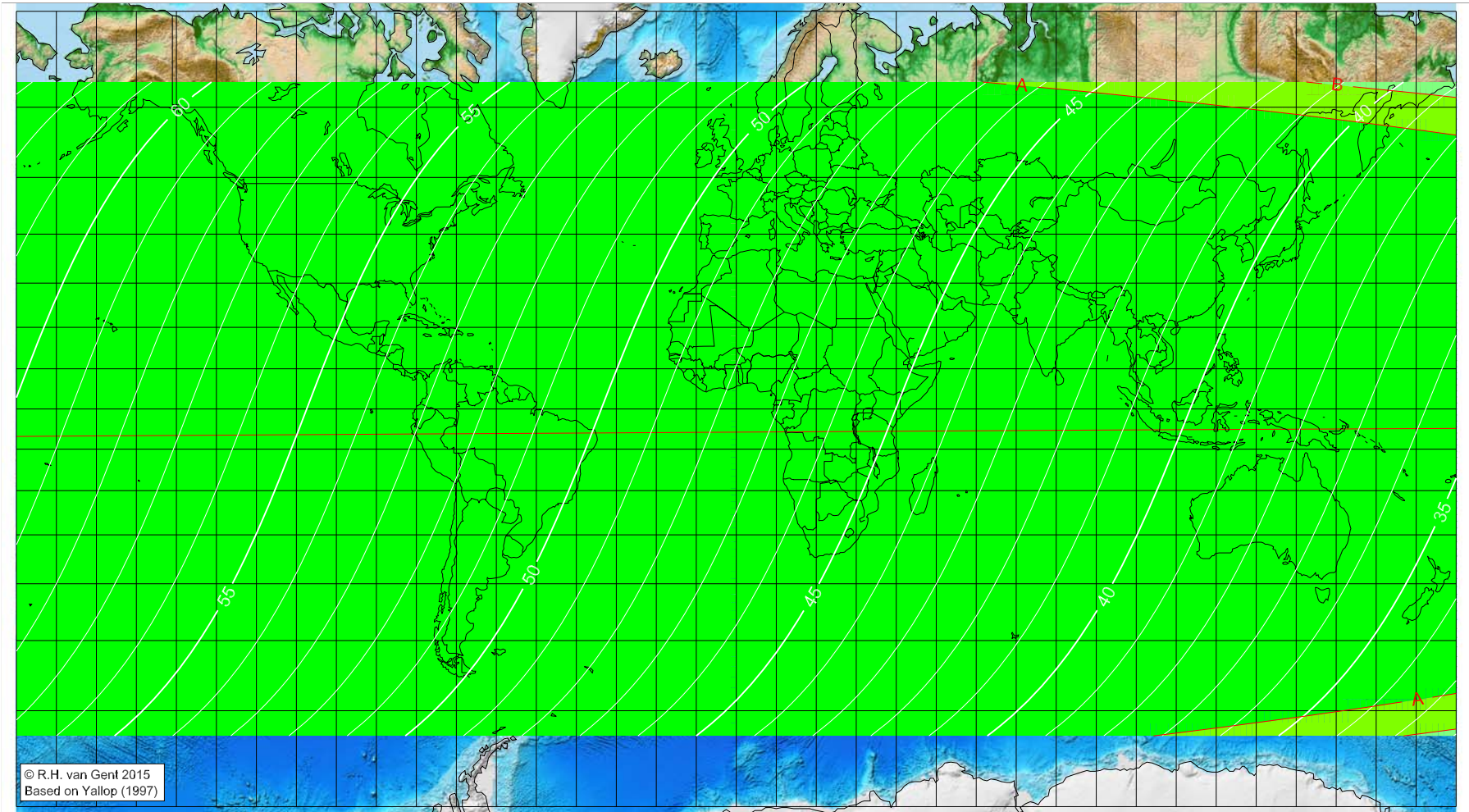
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

First visibility lunar crescent for Dhu 'l-Qa'da 1440 AH

Global visibility map for 4 July 2019 [Thursday]
Second day after luni-solar conjunction



Astronomical New Moon: 2 July 2019, 19h 16.2m (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 = 1194
Islamic Lunation Number = 17279
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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/>