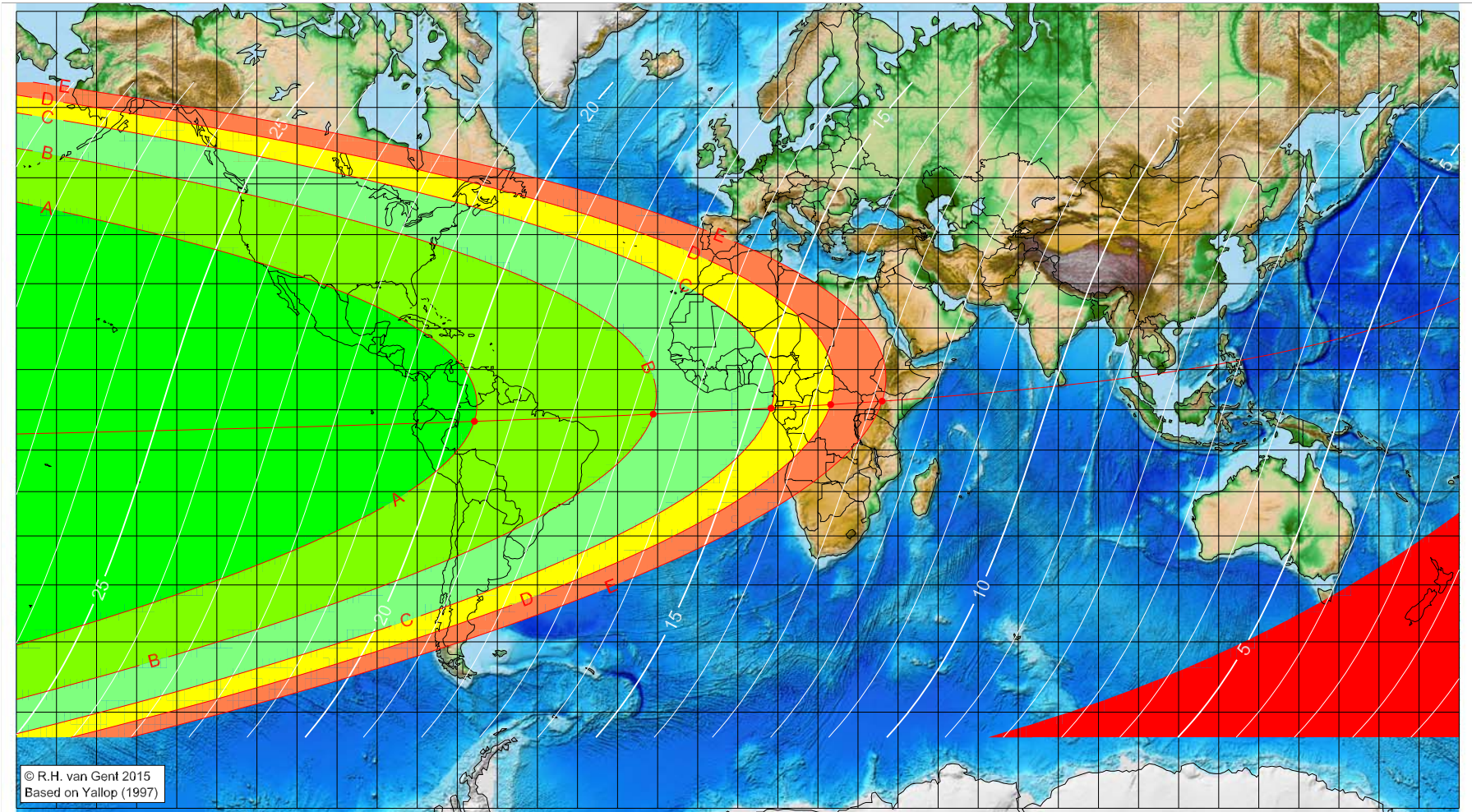


First visibility lunar crescent for Dhu 'l-Hijja 1440 AH

Global visibility map for 1 August 2019 [Thursday]
Day of luni-solar conjunction



Astronomical New Moon: 1 August 2019, 3h 11.9m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1195
Islamic Lunation Number = 17280
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)
-65.73	-2.88	19.63
-21.11	-1.08	16.64
8.30	0.41	14.67
23.18	1.30	13.68
36.02	2.15	12.83

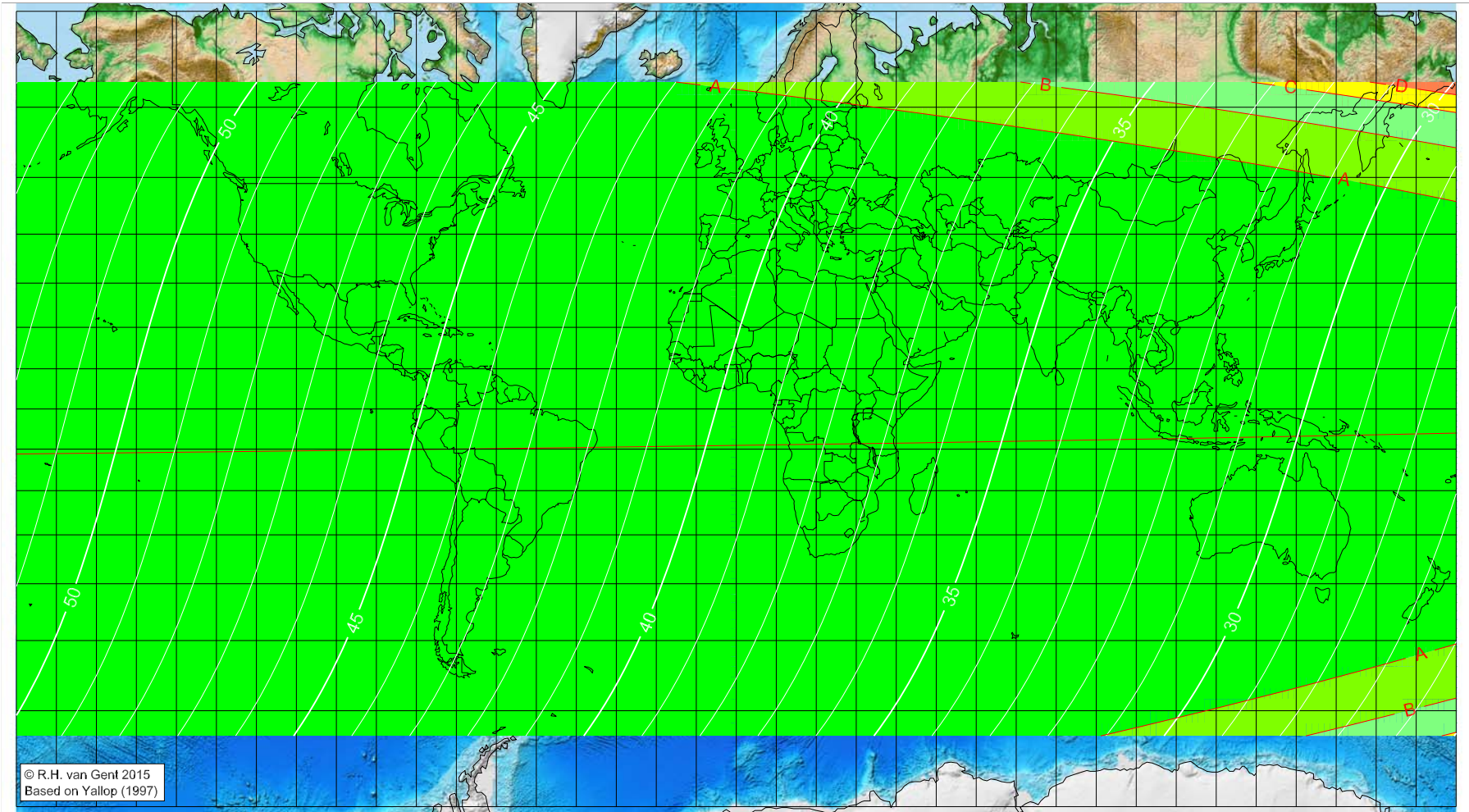
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

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

First visibility lunar crescent for Dhu 'l-Hijja 1440 AH

Global visibility map for 2 August 2019 [Friday]
Day after luni-solar conjunction



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Based on Yallop (1997)

Astronomical New Moon: 1 August 2019, 3h 11.9m (UTC)

First visibility (•)

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

Astronomical (Brown) Lunation Number = 1195
Islamic Lunation Number = 17280
TT - UT [= ΔT] = 1.2 min

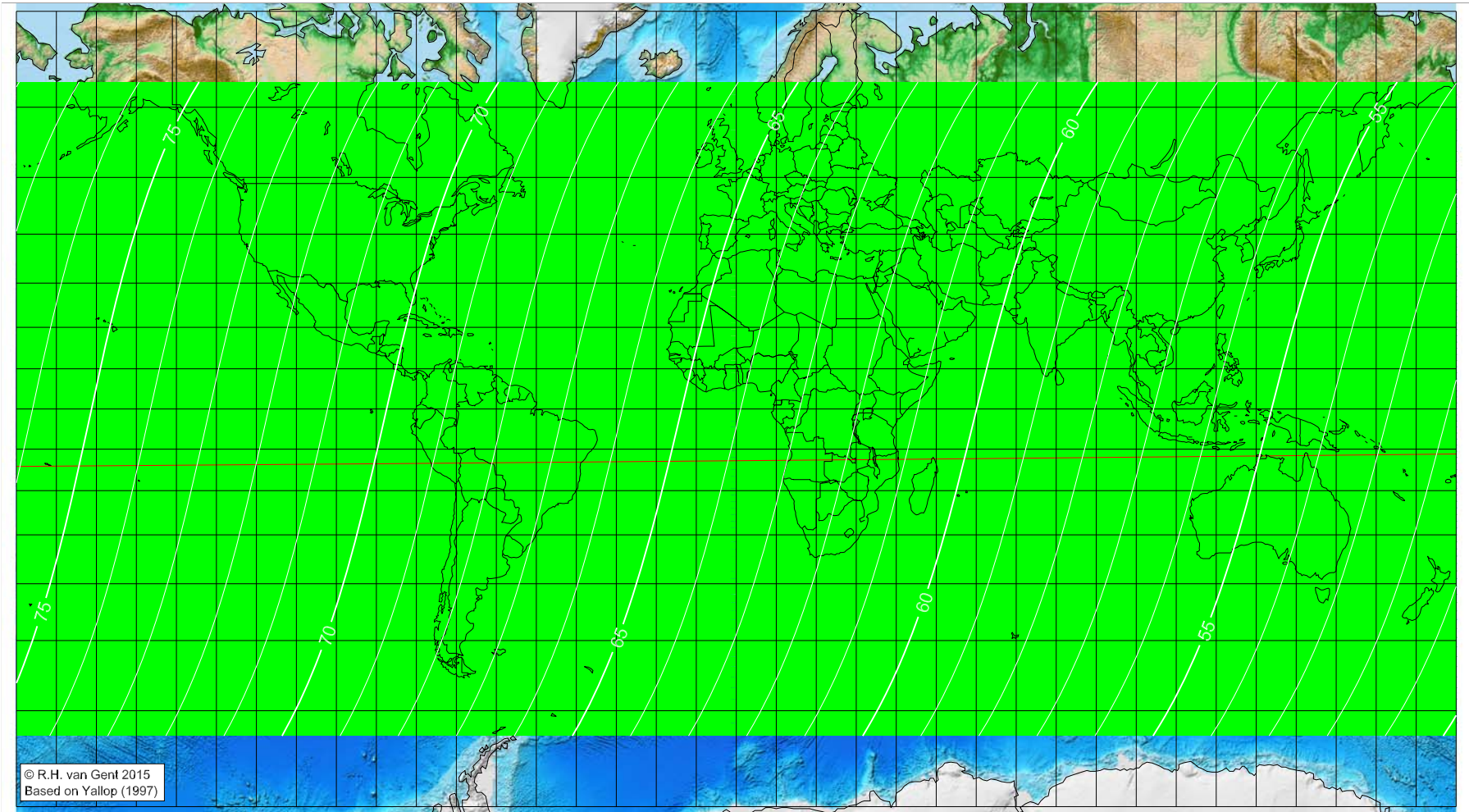
- A – easily visible to the unaided eye
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- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset before sunset
- before conjunction (astronomical new moon)

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-Hijja 1440 AH

Global visibility map for 3 August 2019 [Saturday]
Second day after luni-solar conjunction



Astronomical New Moon: 1 August 2019, 3h 11.9m (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 = 1195
Islamic Lunation Number = 17280
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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/>