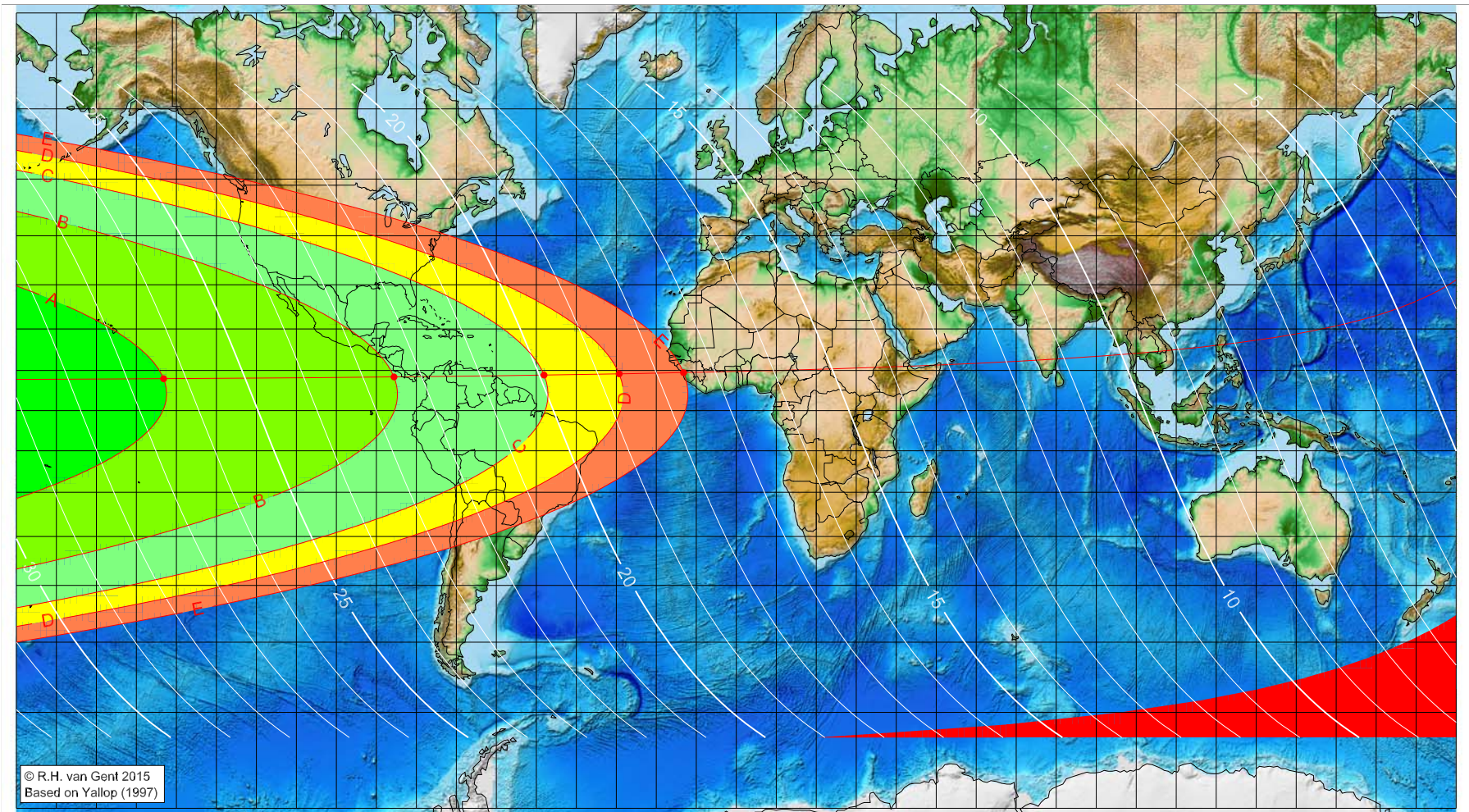


# First visibility lunar crescent for Jumādā 'l-Ūlā 1440 AH

Global visibility map for 6 January 2019 [Sunday]  
Day of luni-solar conjunction



Astronomical New Moon: 6 January 2019, 1h 28.1m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1188

Islamic Lunation Number = 17273

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

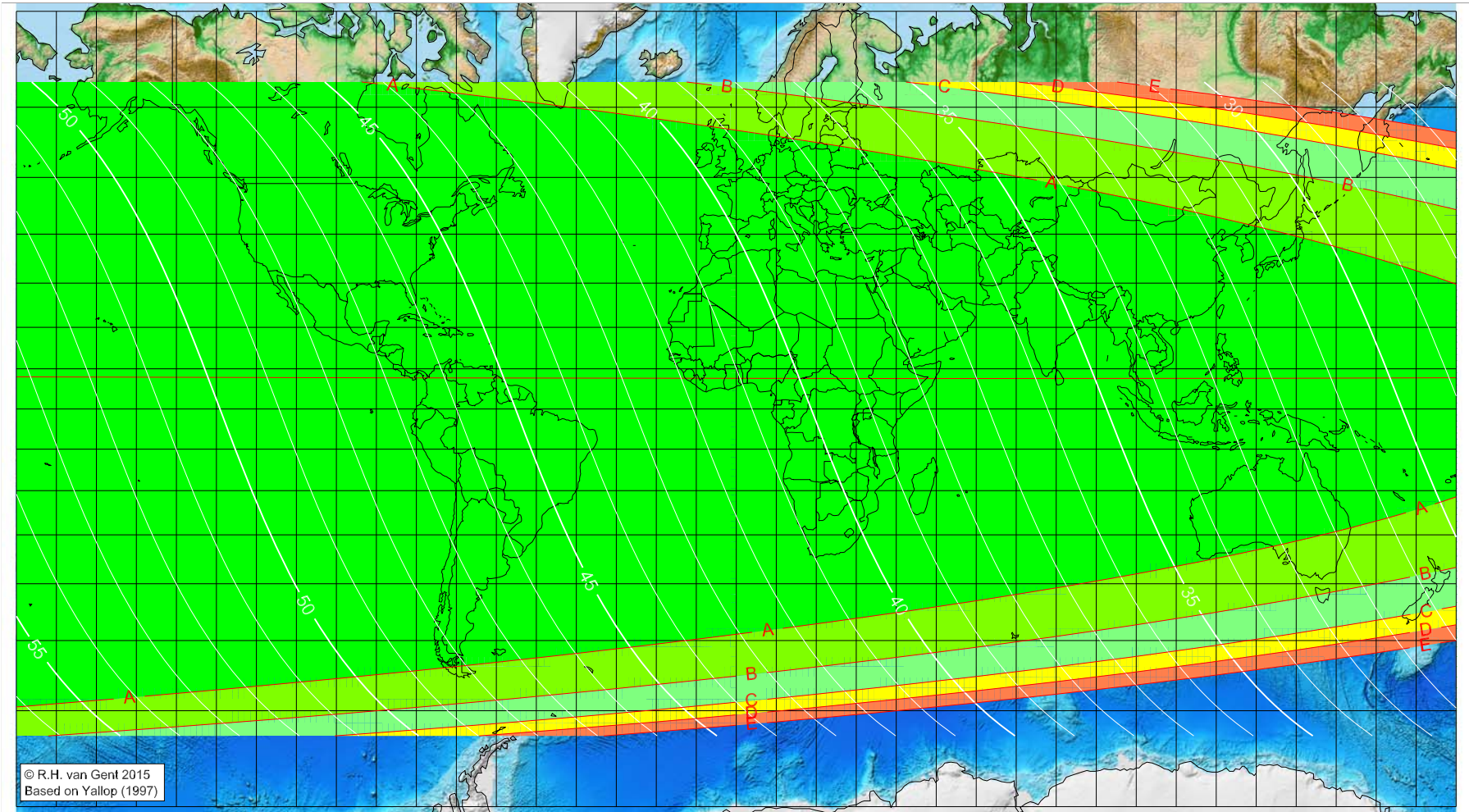
- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset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

Longitude (°)	Latitude (°)	Lunar age (h)
-143.19	7.95	26.38
-85.58	8.39	22.47
-48.07	8.85	19.92
-29.27	9.15	18.64
-13.19	9.45	17.54

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

# First visibility lunar crescent for Jumādā 'I-Ūlā 1440 AH

Global visibility map for 7 January 2019 [Monday]  
Day after luni-solar conjunction



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

Astronomical New Moon: 6 January 2019, 1h 28.1m (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 = 1188  
Islamic Lunation Number = 17273  
TT - UT [= ΔT] = 1.2 min

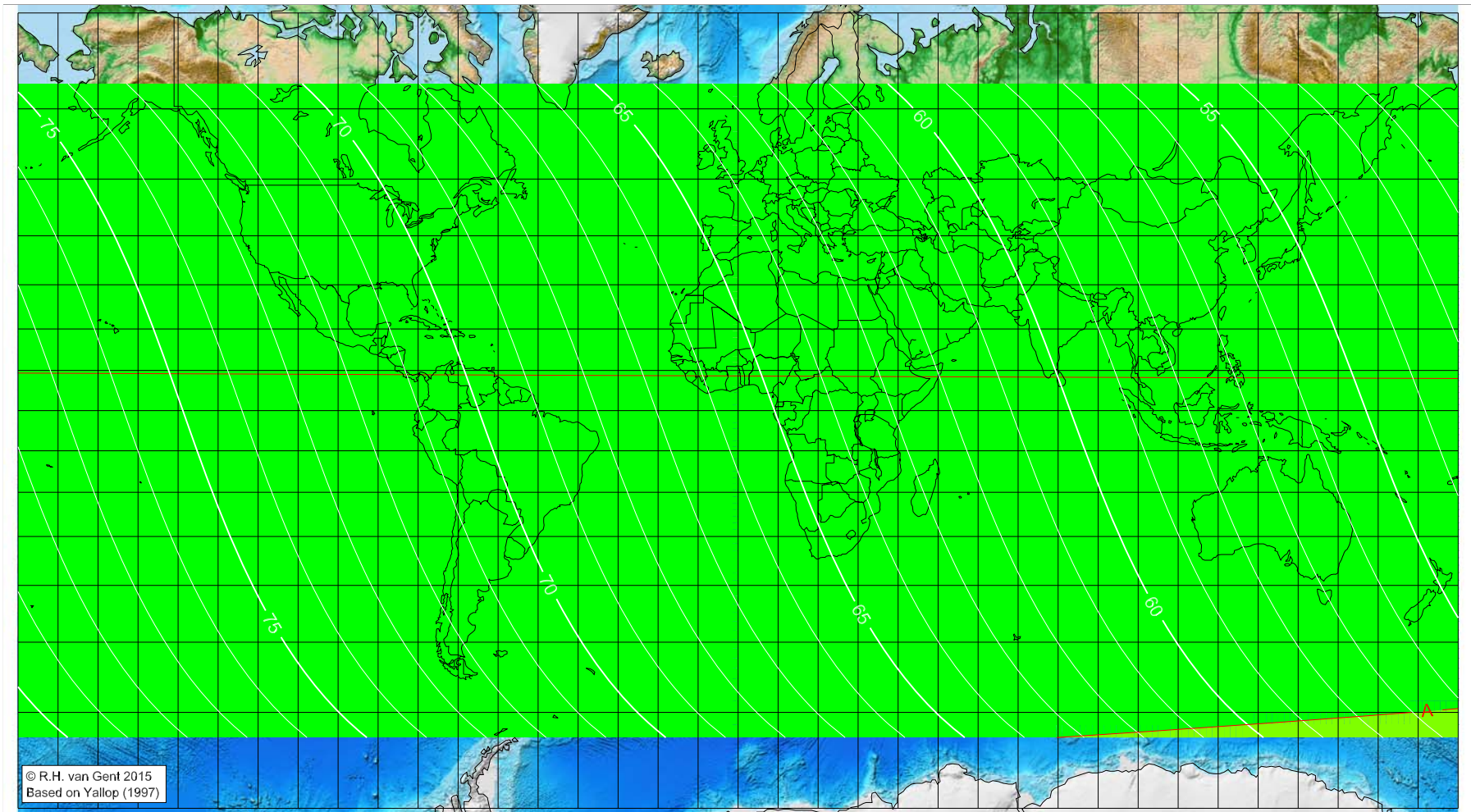
Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

- 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 Jumādā 'I-Ūlā 1440 AH

Global visibility map for 8 January 2019 [Tuesday]  
Second day after luni-solar conjunction



Astronomical New Moon: 6 January 2019, 1h 28.1m (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 ( $7^\circ$ )
- moonset before sunset
- before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1188  
Islamic Lunation Number = 17273  
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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/>