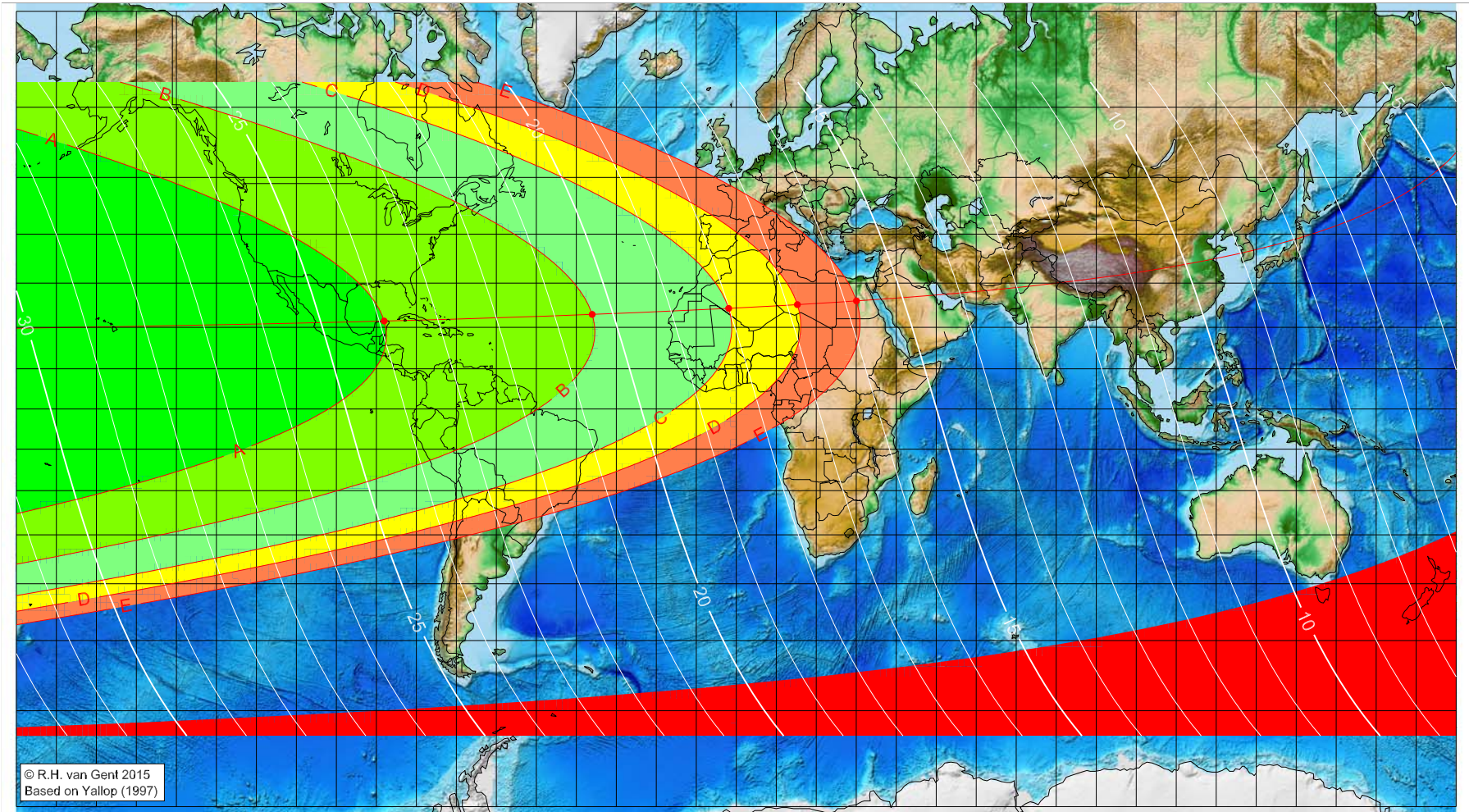


# First visibility lunar crescent for Jumādā 'l-Ūlā 1438 AH

Global visibility map for 28 January 2017 [Saturday]  
Day of luni-solar conjunction



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

Astronomical New Moon: 28 January 2017, 0h 7.0m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1164

Islamic Lunation Number = 17249

TT - UT [= ΔT] = 1.1 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)
-88.05	21.47	23.92
-36.04	23.00	20.36
-1.91	24.37	18.01
15.28	25.23	16.82
30.05	26.07	15.80

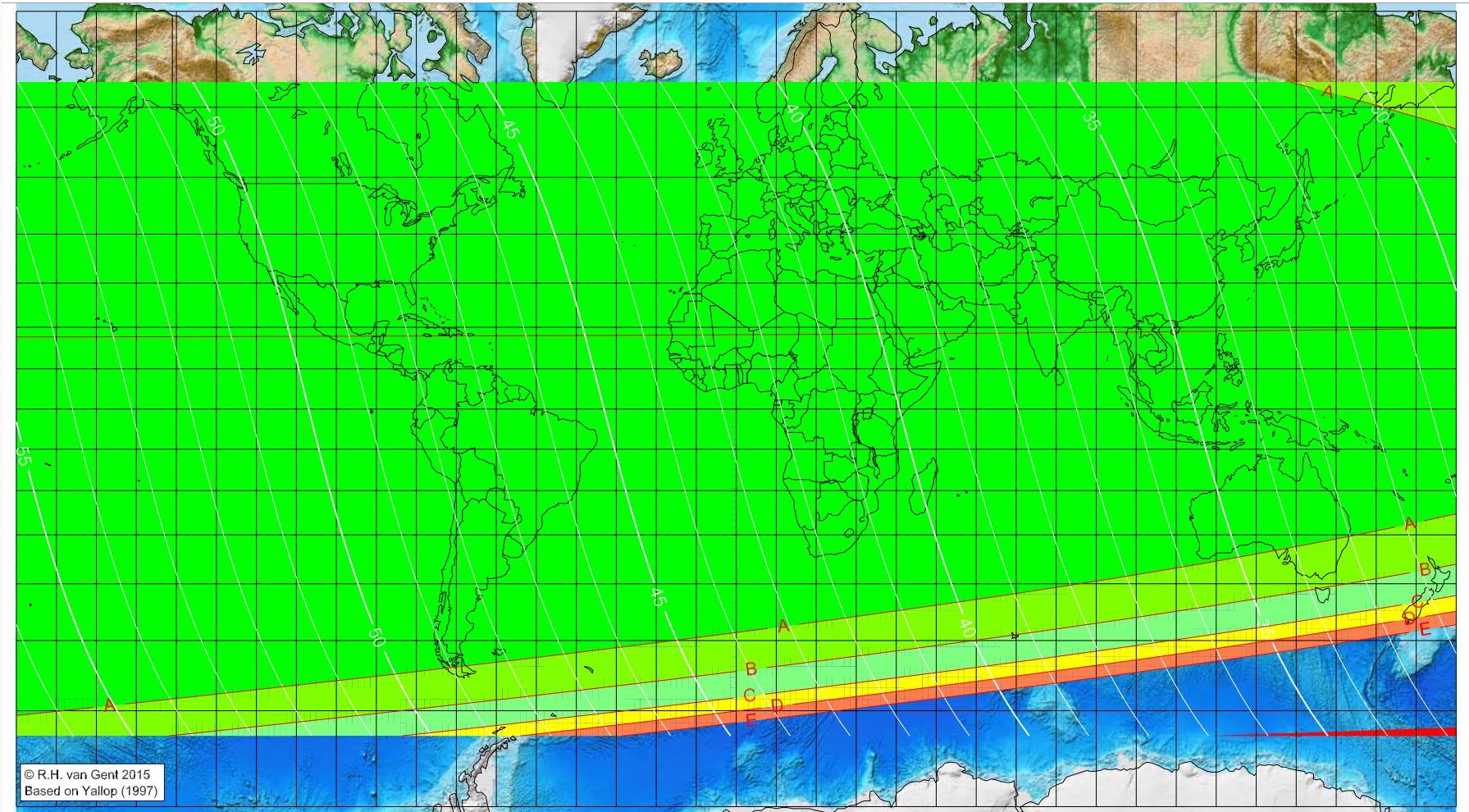
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

# First visibility lunar crescent for Jumādā 'I-Ūlā 1438 AH

Global visibility map for 29 January 2017 [Sunday]  
Day after luni-solar conjunction



Astronomical New Moon: 28 January 2017, 0h 7.0m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1164  
Islamic Lunation Number = 17249  
TT - UT [= ΔT] = 1.1 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)
		visible on the previous evening
		visible on the previous evening
		visible on the previous evening
		visible on the previous evening

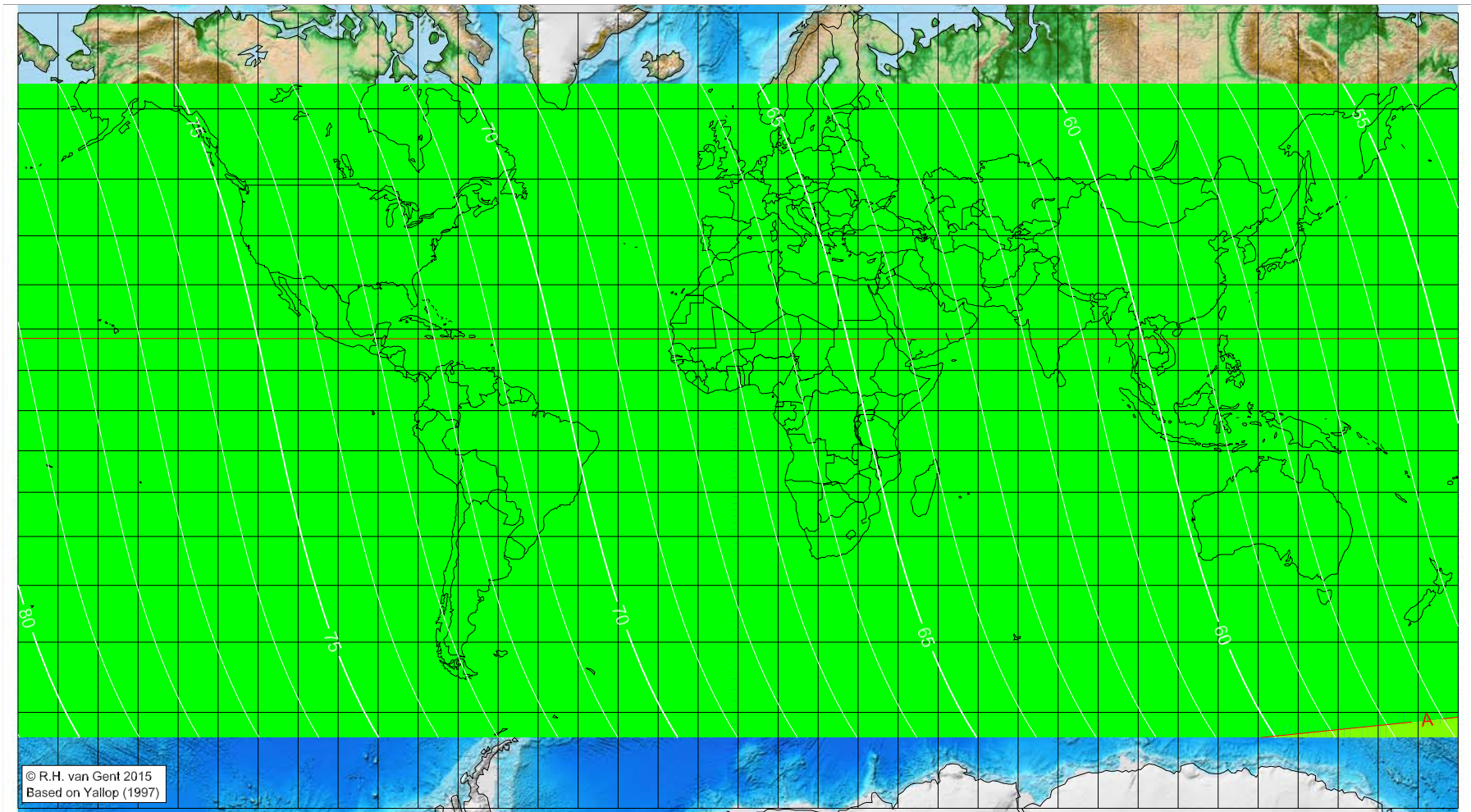
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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



# First visibility lunar crescent for Jumādā 'l-Ūlā 1438 AH

Global visibility map for 30 January 2017 [Monday]  
Second day after luni-solar conjunction



Astronomical New Moon: 28 January 2017, 0h 7.0m (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 = 1164  
Islamic Lunation Number = 17249  
 $TT - UT [= \Delta T] = 1.1 \text{ min}$

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/>