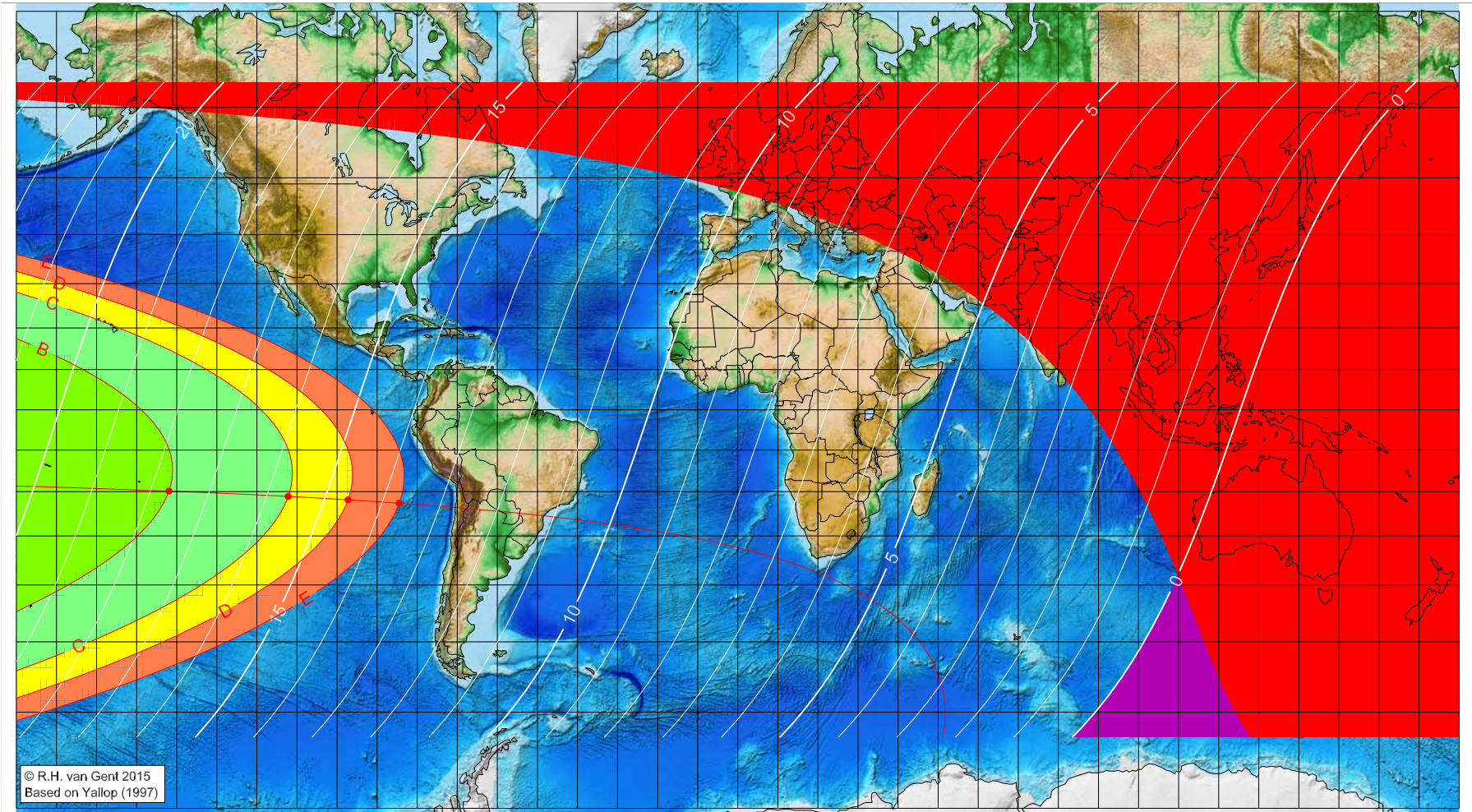


First visibility lunar crescent for Dhu 'l-Qa'da 1438 AH

Global visibility map for 23 July 2017 [Sunday]
Day of luni-solar conjunction



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

Astronomical New Moon: 23 July 2017, 9h 45.6m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1170
Islamic Lunation Number = 17255
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°)

Longitude (°)	Latitude (°)	Lunar age (h)
-141.94	-19.87	17.69
-112.19	-21.13	15.63
-97.27	-21.91	14.60
-84.48	-22.68	13.71

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

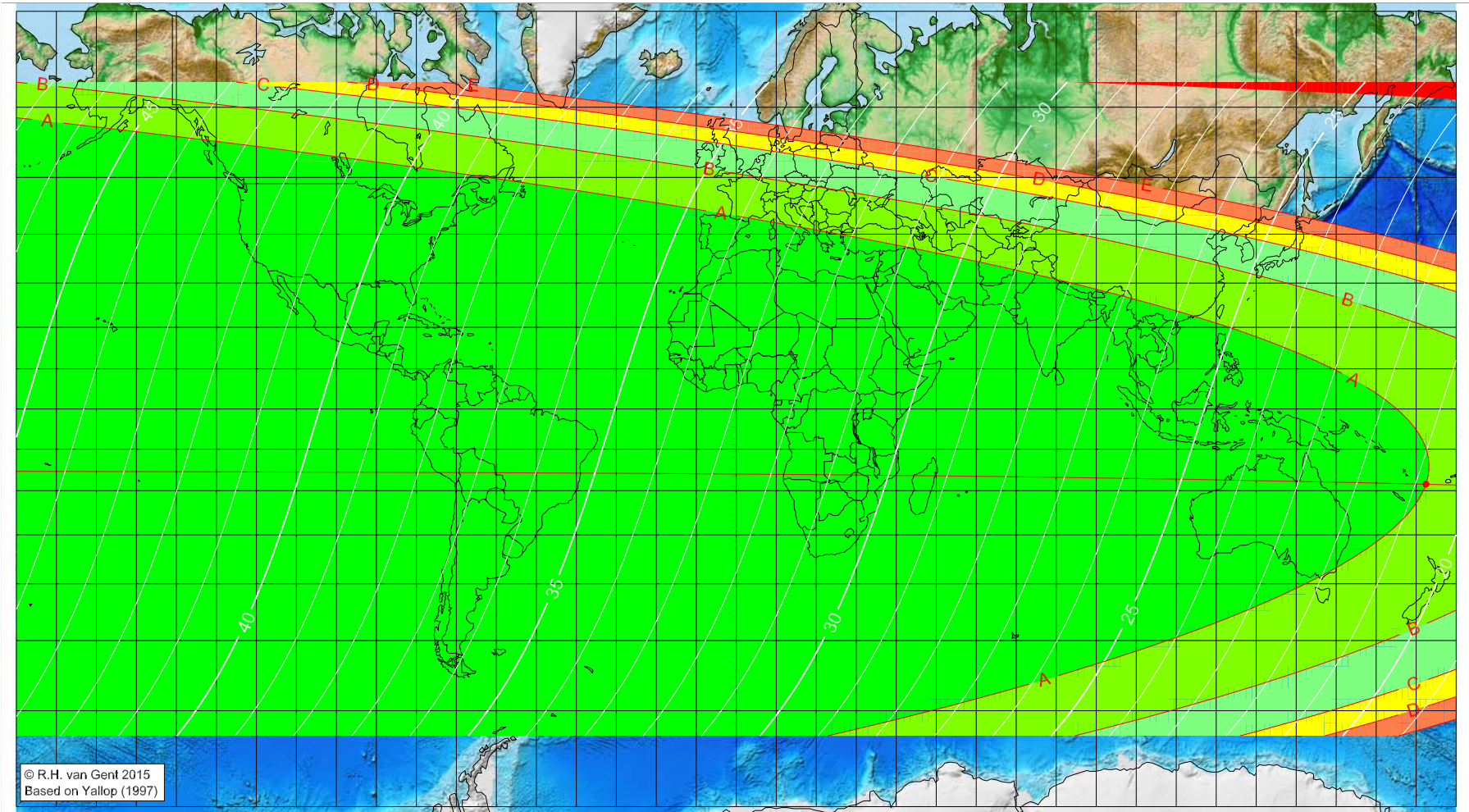
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

First visibility lunar crescent for Dhu 'l-Qa'da 1438 AH

Global visibility map for 24 July 2017 [Monday]
Day after luni-solar conjunction



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

Astronomical New Moon: 23 July 2017, 9h 45.6m (UTC)

First visibility (●)

Longitude (°)	Latitude (°)	Lunar age (h)
172.44	-18.49	20.82
visible on the previous evening		
visible on the previous evening		
visible on the previous evening		

Astronomical (Brown) Lunation Number = 1170

Islamic Lunation Number = 17255

TT - UT [= ΔT] = 1.1 min

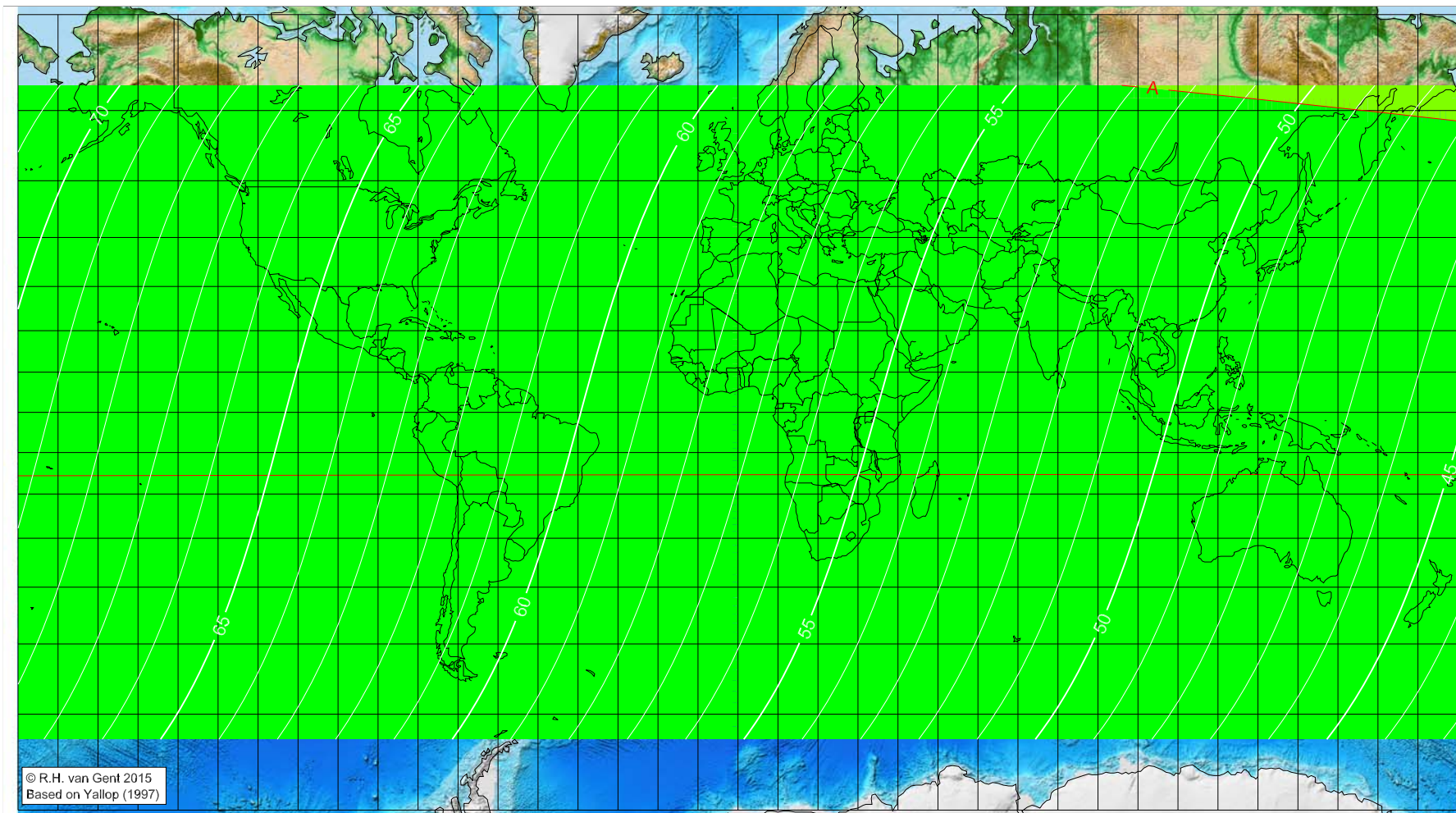
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

- 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°)
- 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 1438 AH

Global visibility map for 25 July 2017 [Tuesday]
Second day after luni-solar conjunction



Astronomical New Moon: 23 July 2017, 9h 45.6m (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 = 1170
Islamic Lunation Number = 17255
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

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