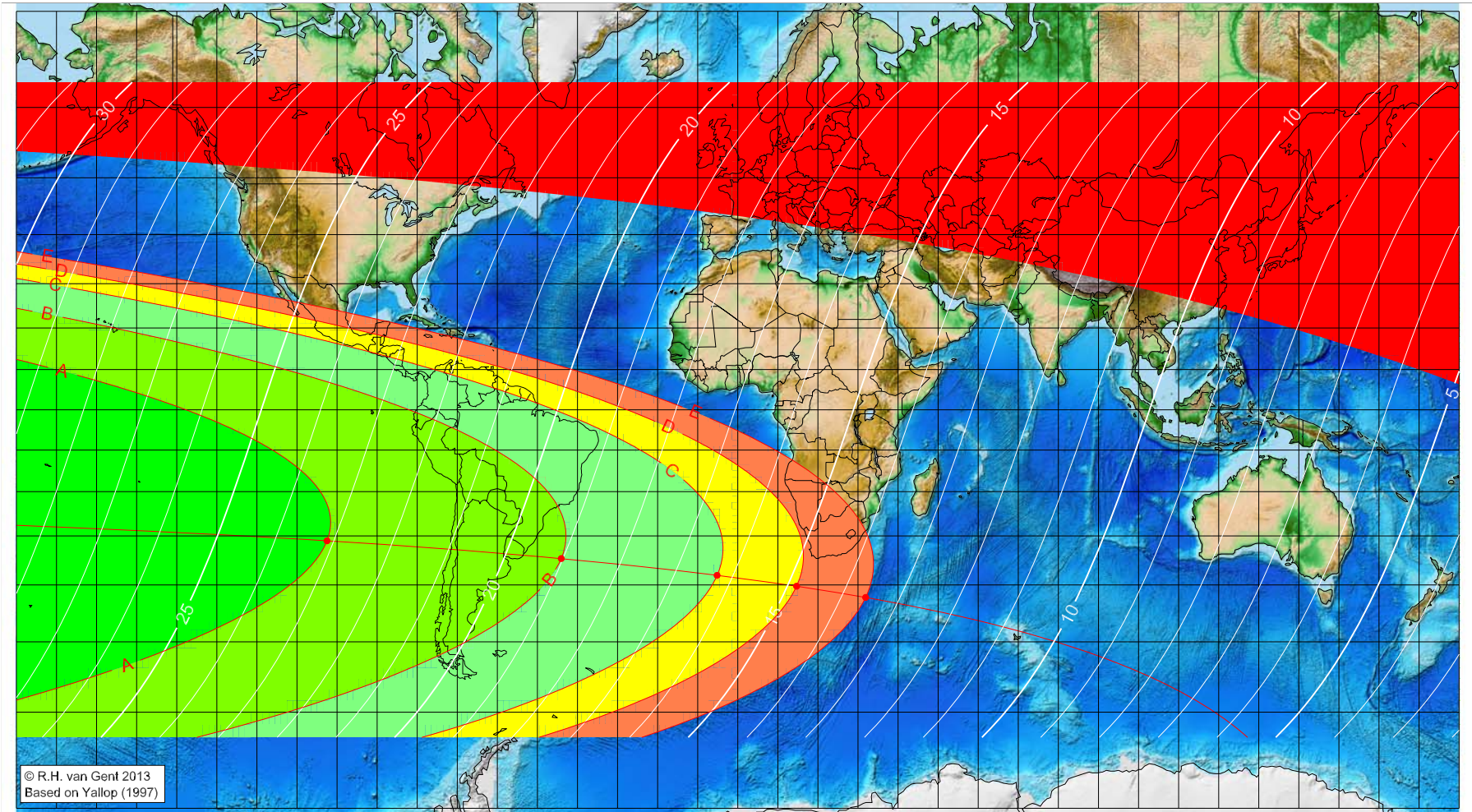


First visibility lunar crescent for Shawwāl 1436 AH

Global visibility map for 16 July 2015 [Thursday]
Day of luni-solar conjunction



© R.H. van Gent 2013
Based on Yallop (1997)

Astronomical New Moon: 16 July 2015, 1h 24.3m (UTC)

First visibility (●)

	Longitude (°)	Latitude (°)	Lunar age (h)
A	-102.50	-31.05	23.11
B	-44.05	-34.77	19.03
C	-5.17	-38.14	16.27
D	14.67	-40.24	14.84
E	31.90	-42.34	13.58

Astronomical (Brown) Lunation Number = 1145

Islamic Lunation Number = 17230

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°)

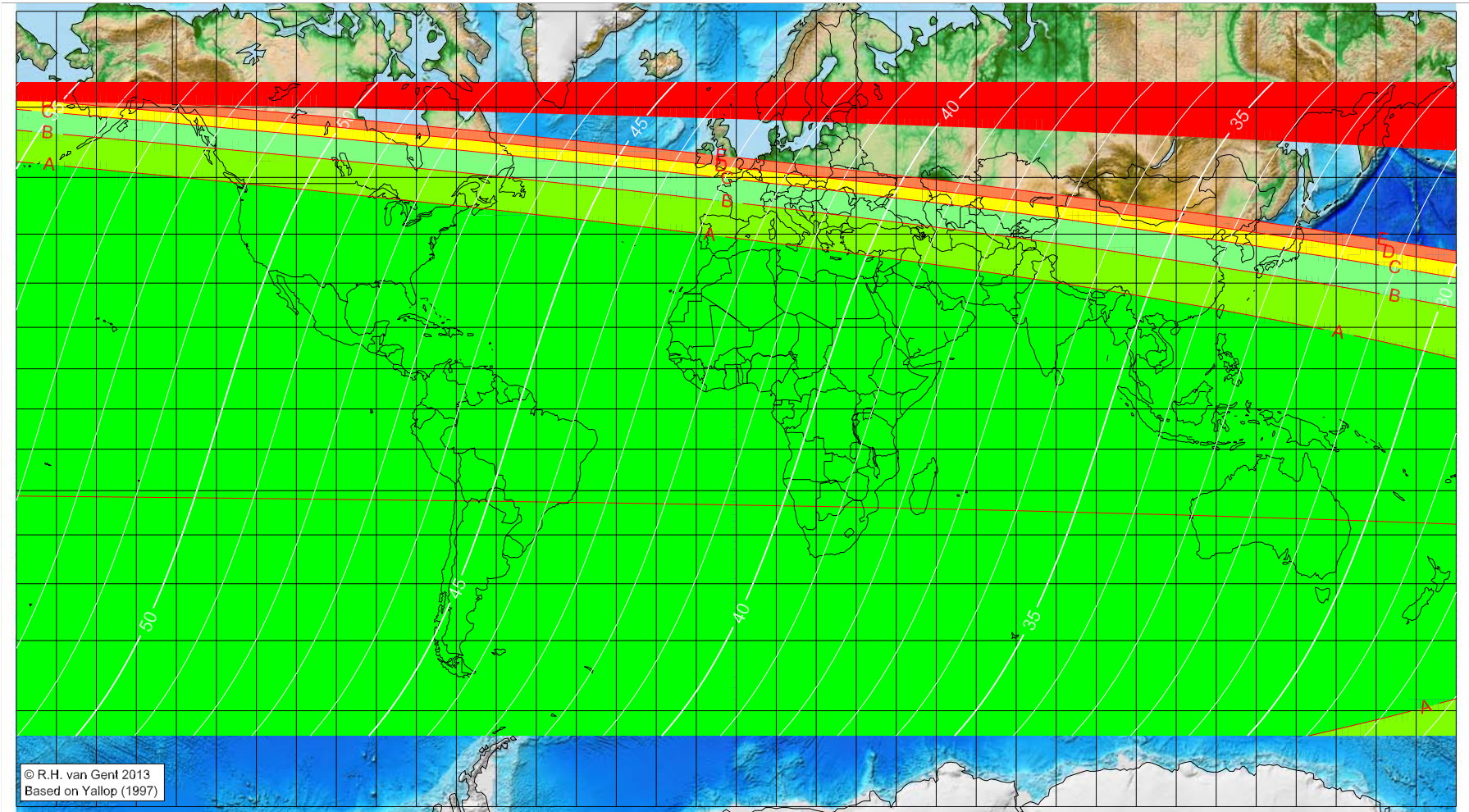
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

First visibility lunar crescent for Shawwāl 1436 AH

Global visibility map for 17 July 2015 [Friday]
Day after luni-solar conjunction



Astronomical New Moon: 16 July 2015, 1h 24.3m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1145

Islamic Lunation Number = 17230

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)

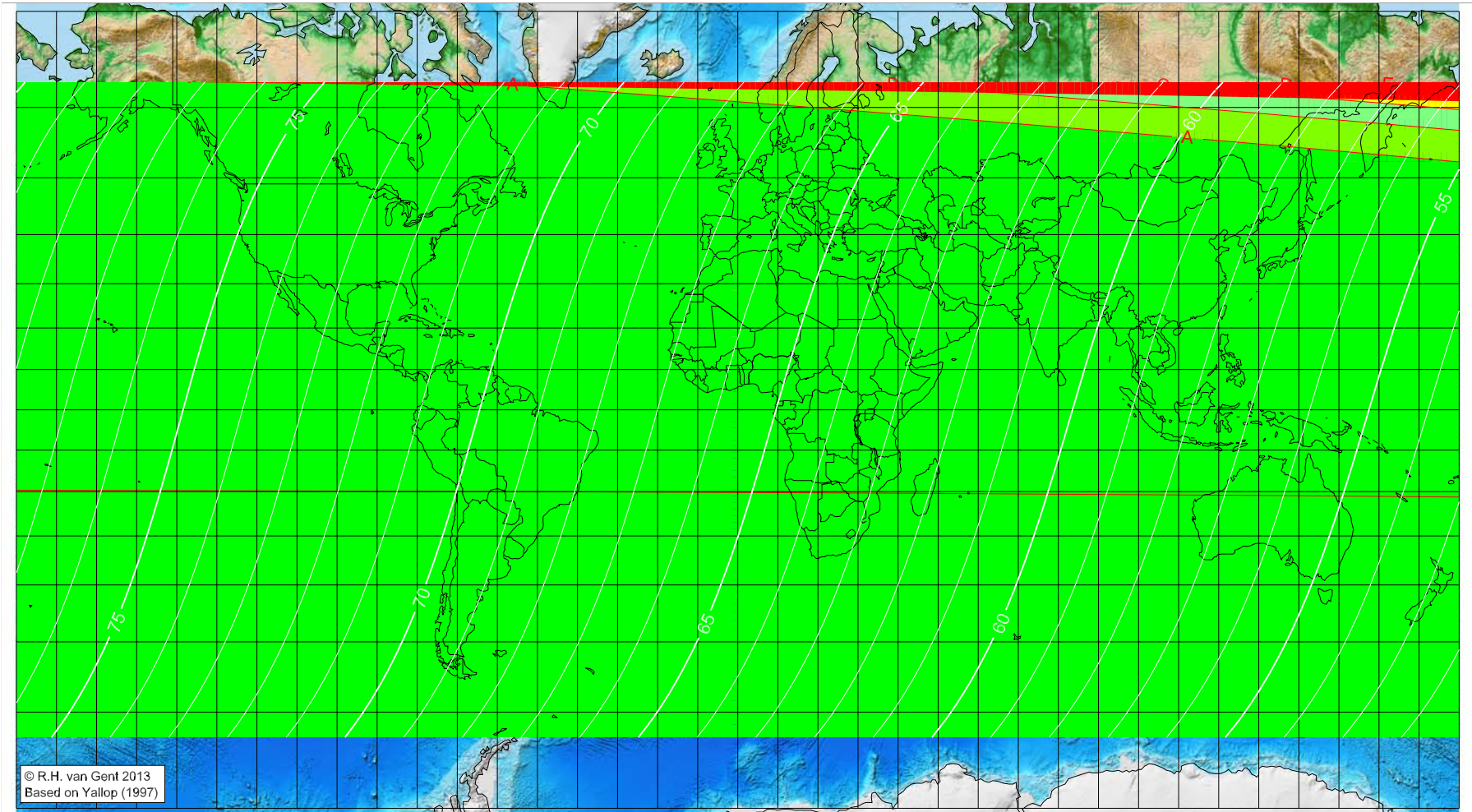
Longitude (°)	Latitude (°)	Lunar age (h)
		visible on the previous evening
		visible on the previous evening
		visible on the previous evening
		visible on the previous evening

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 Shawwāl 1436 AH

Global visibility map for 18 July 2015 [Saturday]
Second day after luni-solar conjunction



Astronomical New Moon: 16 July 2015, 1h 24.3m (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 = 1145
Islamic Lunation Number = 17230
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/>