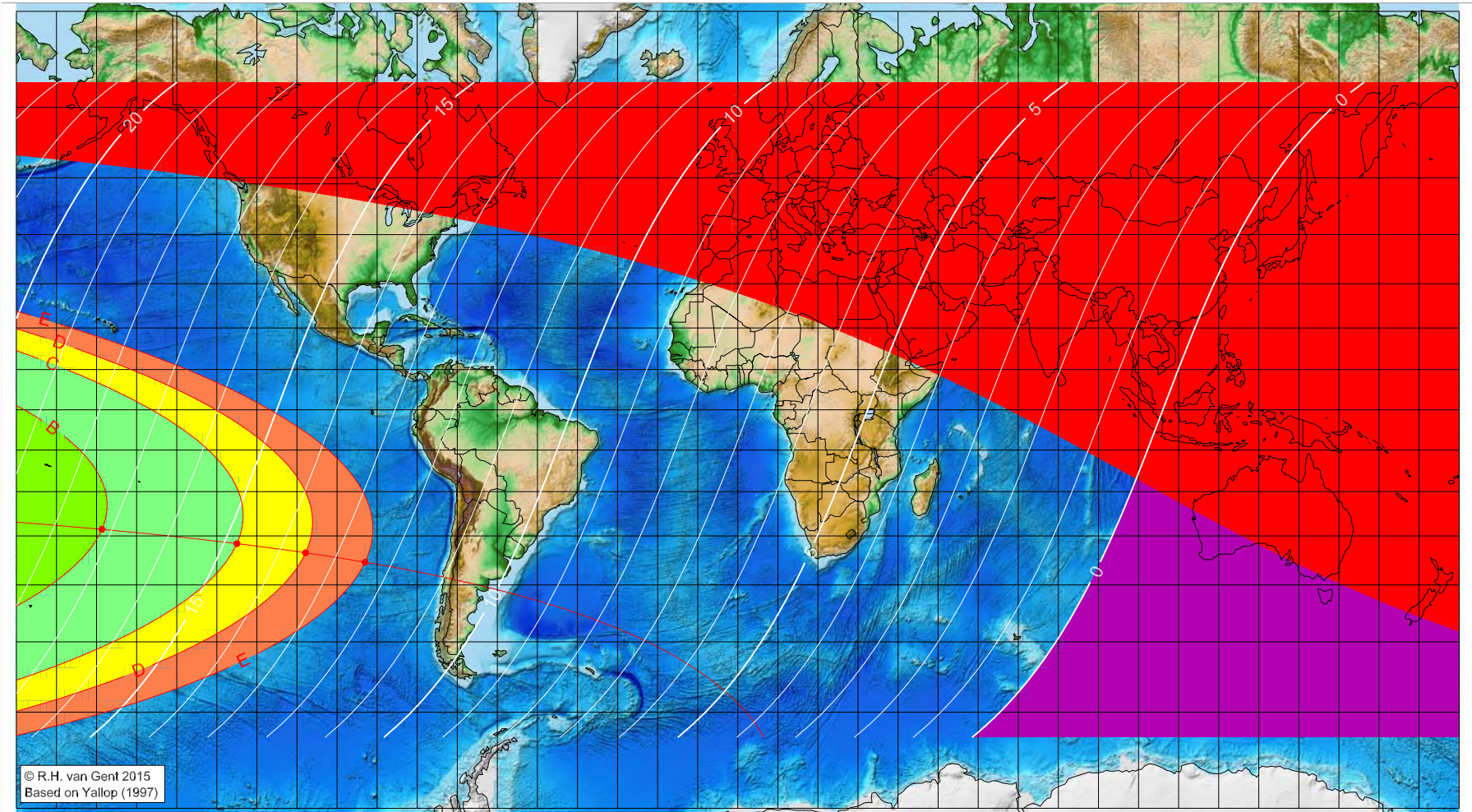


First visibility lunar crescent for Shawwāl 1437 AH

Global visibility map for 4 July 2016 [Monday]
Day of luni-solar conjunction



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

Astronomical New Moon: 4 July 2016, 11h 1.1m (UTC)

First visibility (•)

Longitude (°)	Latitude (°)	Lunar age (h)
-158.67	-28.56	17.17
-124.98	-31.65	14.78
-107.84	-33.57	13.54
-92.99	-35.50	12.46

Astronomical (Brown) Lunation Number = 1157
Islamic Lunation Number = 17242
TT - UT [= ΔT] = 1.1 min

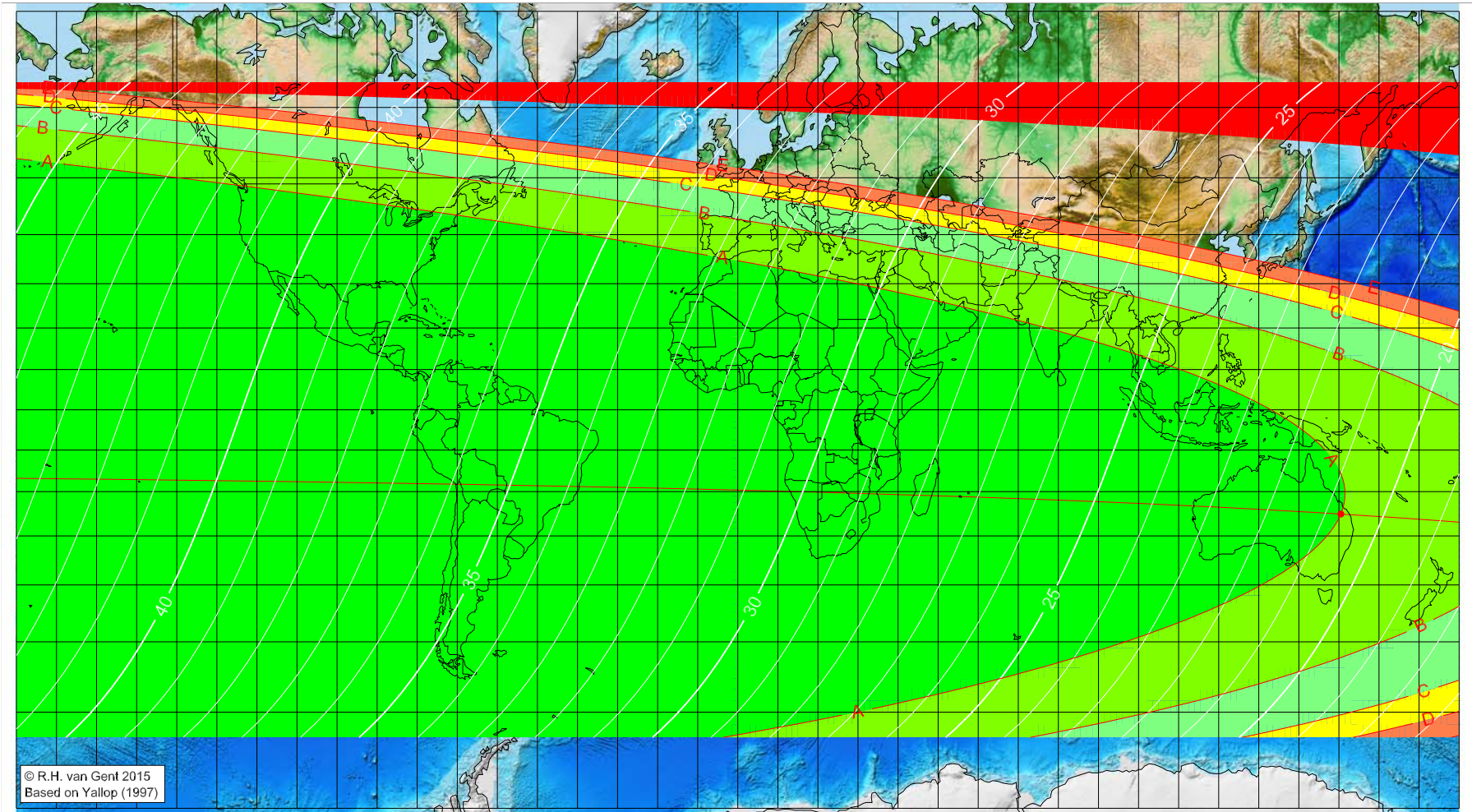
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

- 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 1437 AH

Global visibility map for 5 July 2016 [Tuesday]
Day after luni-solar conjunction



Astronomical New Moon: 4 July 2016, 11h 1.1m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1157
Islamic Lunation Number = 17242
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)

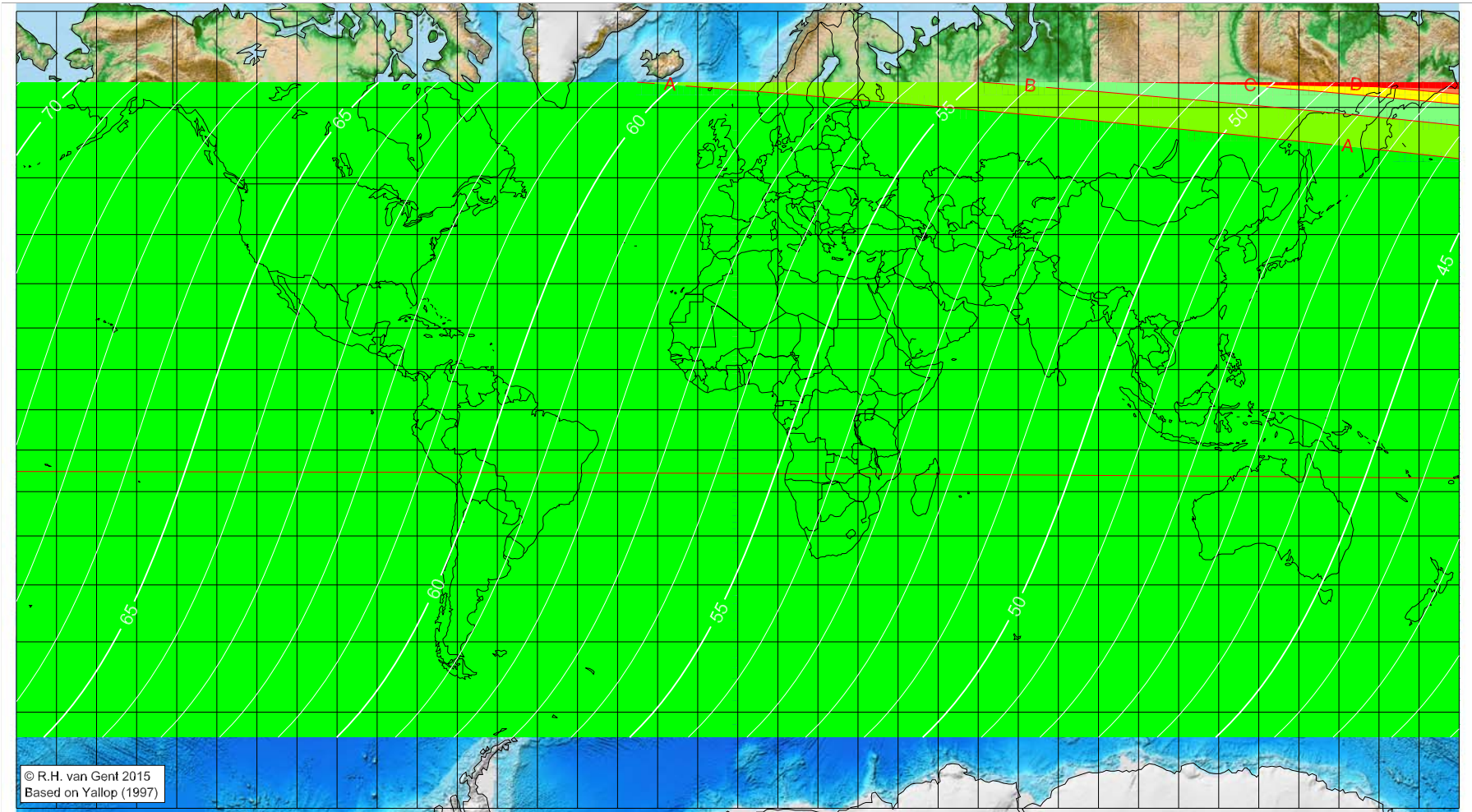
Longitude (°)	Latitude (°)	Lunar age (h)
150.49	-25.16	20.73
		visible on the previous evening
		visible on the previous evening
		visible on the previous evening

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 1437 AH

Global visibility map for 6 July 2016 [Wednesday]
Second day after luni-solar conjunction



Astronomical New Moon: 4 July 2016, 11h 1.1m (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°)
- moonset before sunset
- before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1157
Islamic Lunation Number = 17242
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/>