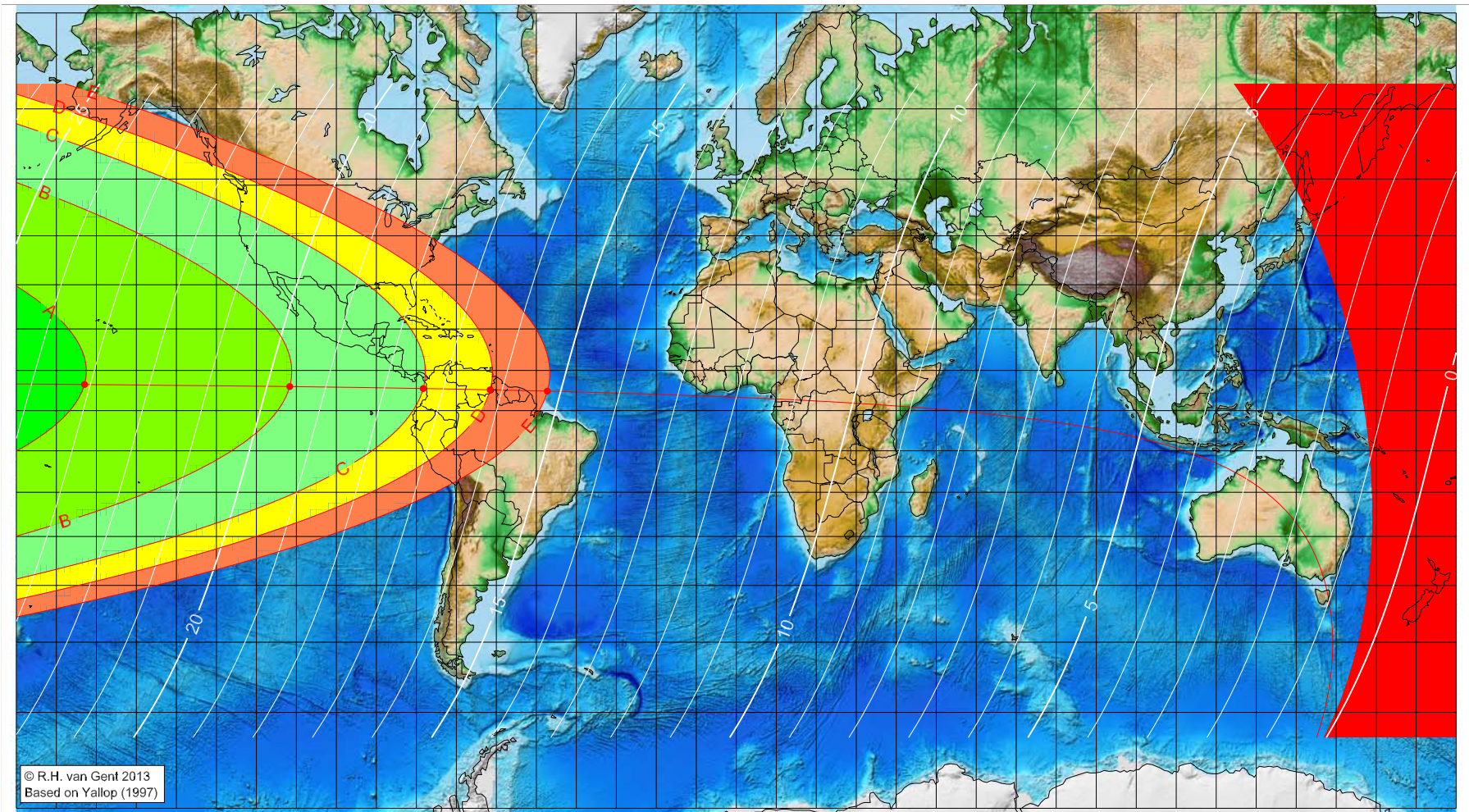


First visibility lunar crescent for Rajab 1435 AH

Global visibility map for 29 April 2014 [Tuesday]
Day of luni-solar conjunction



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

Astronomical New Moon: 29 April 2014, 6h 14.4m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1130

Islamic Lunation Number = 17215

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

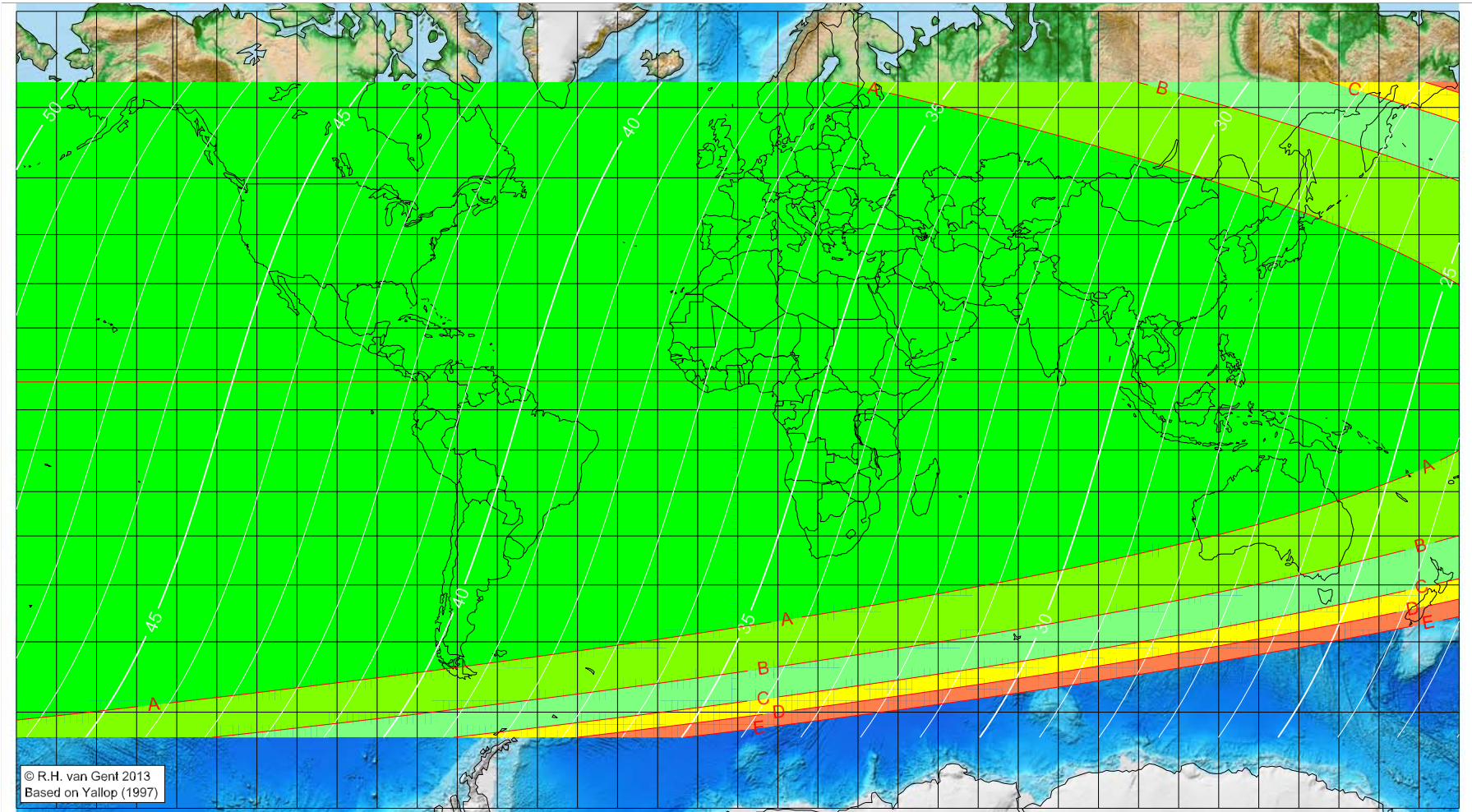
■ before conjunction (astronomical new moon)

Longitude (°)	Latitude (°)	Lunar age (h)
-162.97	6.52	23.10
-111.65	6.00	19.61
-78.28	5.50	17.34
-61.56	5.18	16.20
-47.25	4.86	15.23

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

First visibility lunar crescent for Rajab 1435 AH

Global visibility map for 30 April 2014 [Wednesday]
Day after luni-solar conjunction



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

Astronomical New Moon: 29 April 2014, 6h 14.4m (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 = 1130

Islamic Lunation Number = 17215

TT - UT [= ΔT] = 1.1 min

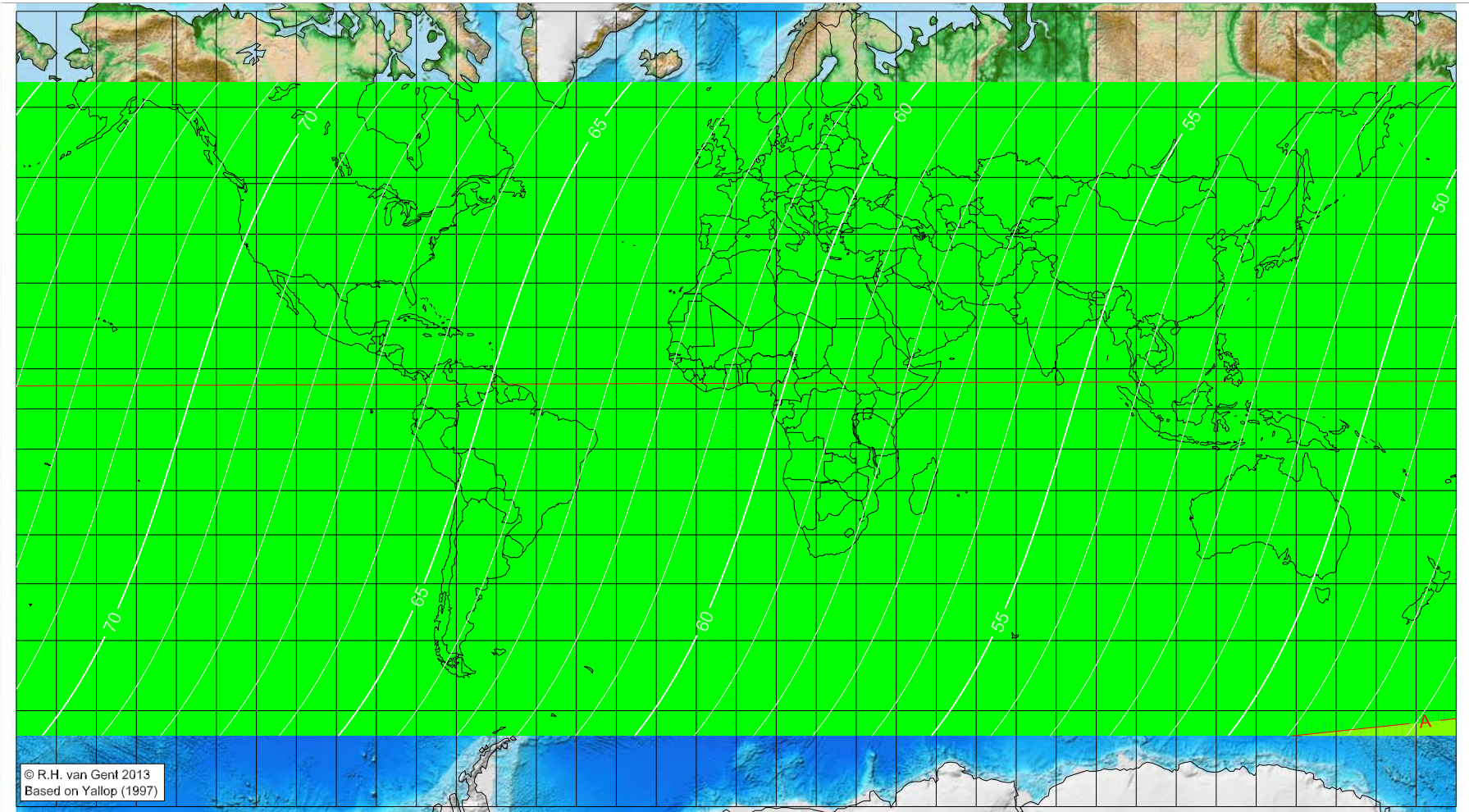
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

- 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 Rajab 1435 AH

Global visibility map for 1 May 2014 [Thursday]
Second day after luni-solar conjunction



Astronomical New Moon: 29 April 2014, 6h 14.4m (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 = 1130
Islamic Lunation Number = 17215
 $TT - UT [= \Delta T] = 1.1 \text{ min}$

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/>