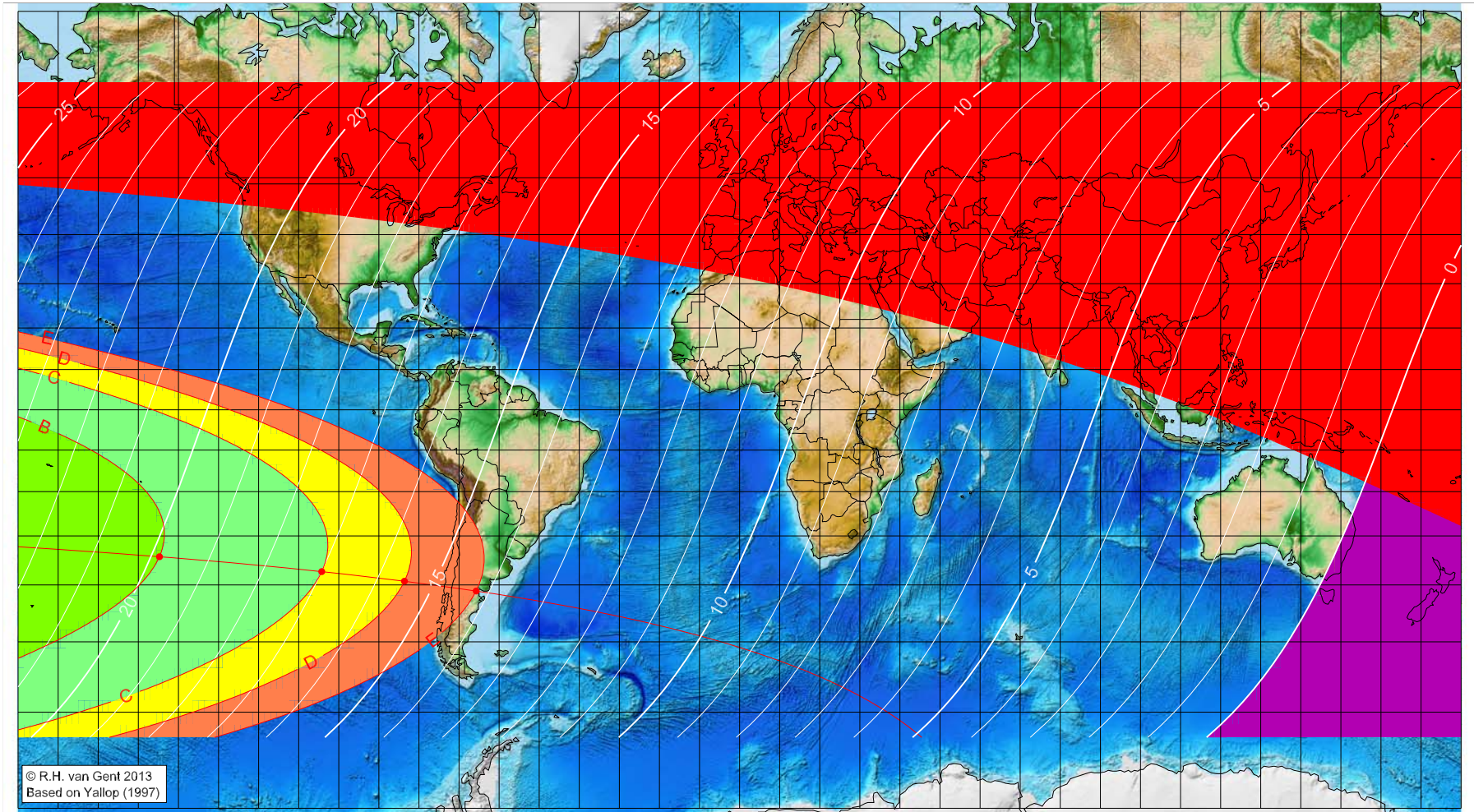


First visibility lunar crescent for Ramaḍān 1434 AH

Global visibility map for 8 July 2013 [Monday]
Day of luni-solar conjunction



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

Astronomical New Moon: 8 July 2013, 7h 14.3m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1120
Islamic Lunation Number = 17205
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)

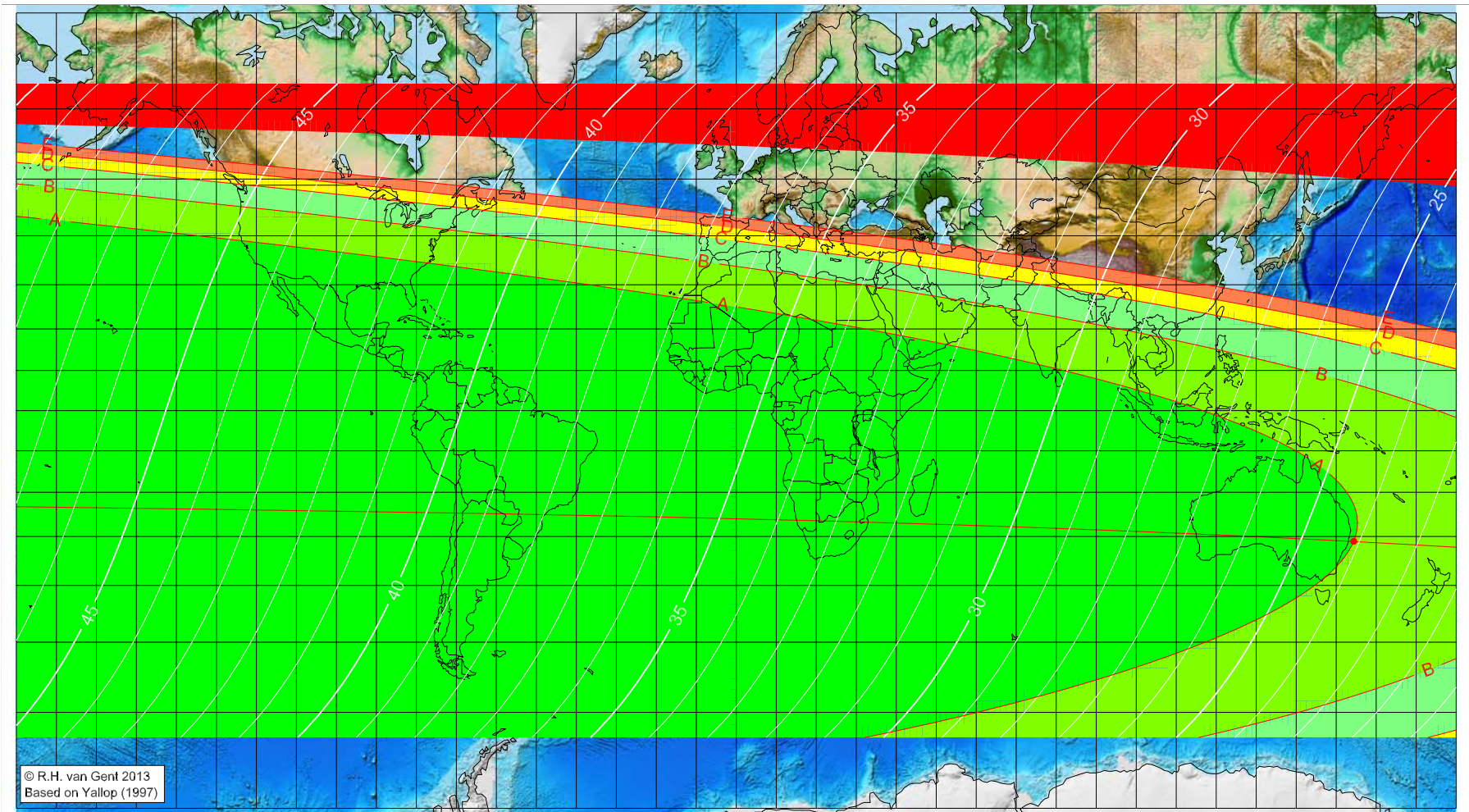
Longitude (°)	Latitude (°)	Lunar age (h)
-144.73	-34.39	19.86
-104.25	-37.40	17.00
-83.62	-39.28	15.52
-65.72	-41.15	14.23

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 Ramaḍān 1434 AH

Global visibility map for 9 July 2013 [Tuesday]
Day after luni-solar conjunction



Astronomical New Moon: 8 July 2013, 7h 14.3m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1120
Islamic Lunation Number = 17205
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)

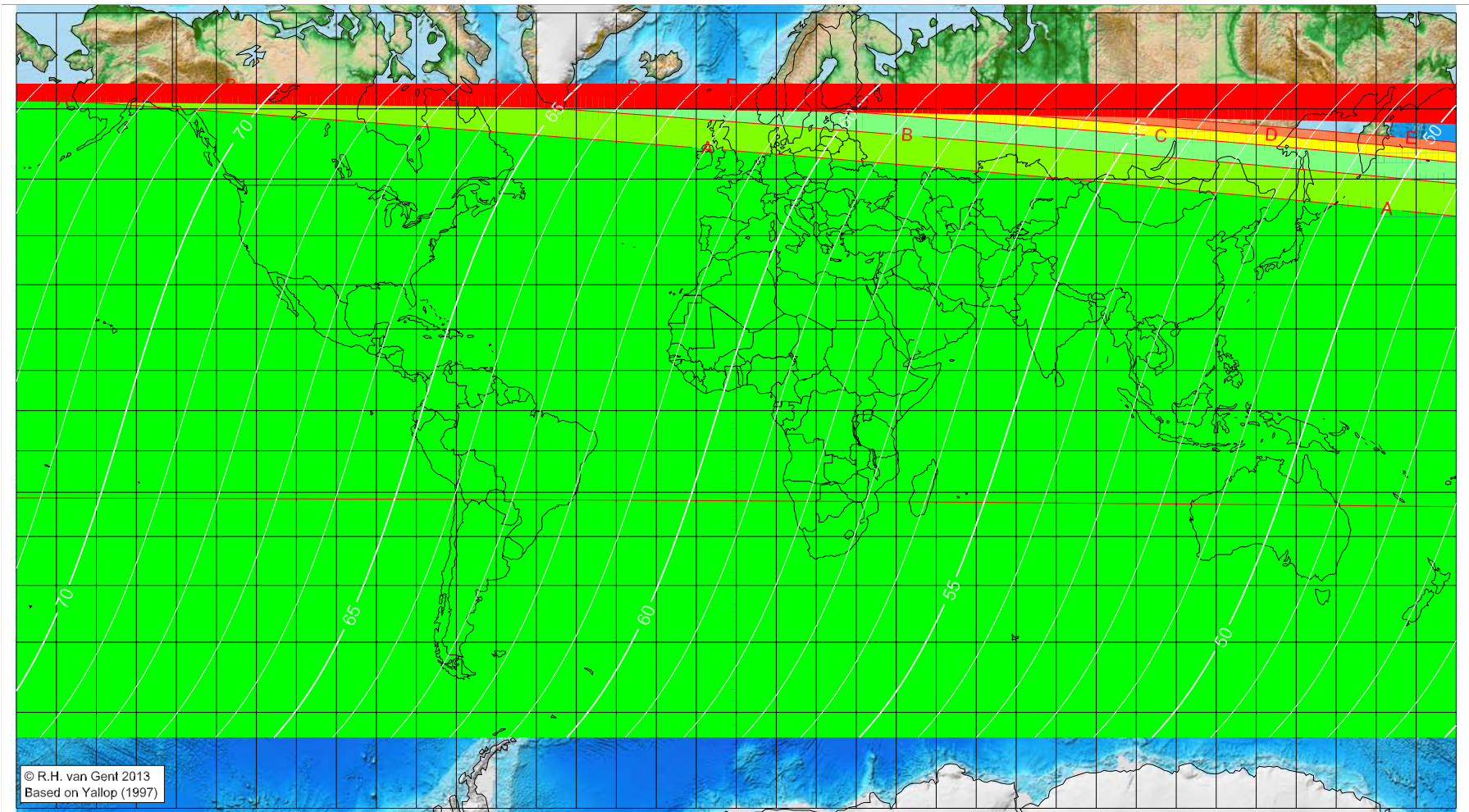
Longitude (°)	Latitude (°)	Lunar age (h)
154.40	-31.05	24.10
visible on the previous evening		
visible on the previous evening		
visible on the previous evening		

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 Ramaḍān 1434 AH

Global visibility map for 10 July 2013 [Wednesday]
Second day after luni-solar conjunction



Astronomical New Moon: 8 July 2013, 7h 14.3m (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 = 1120
Islamic Lunation Number = 17205
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/>