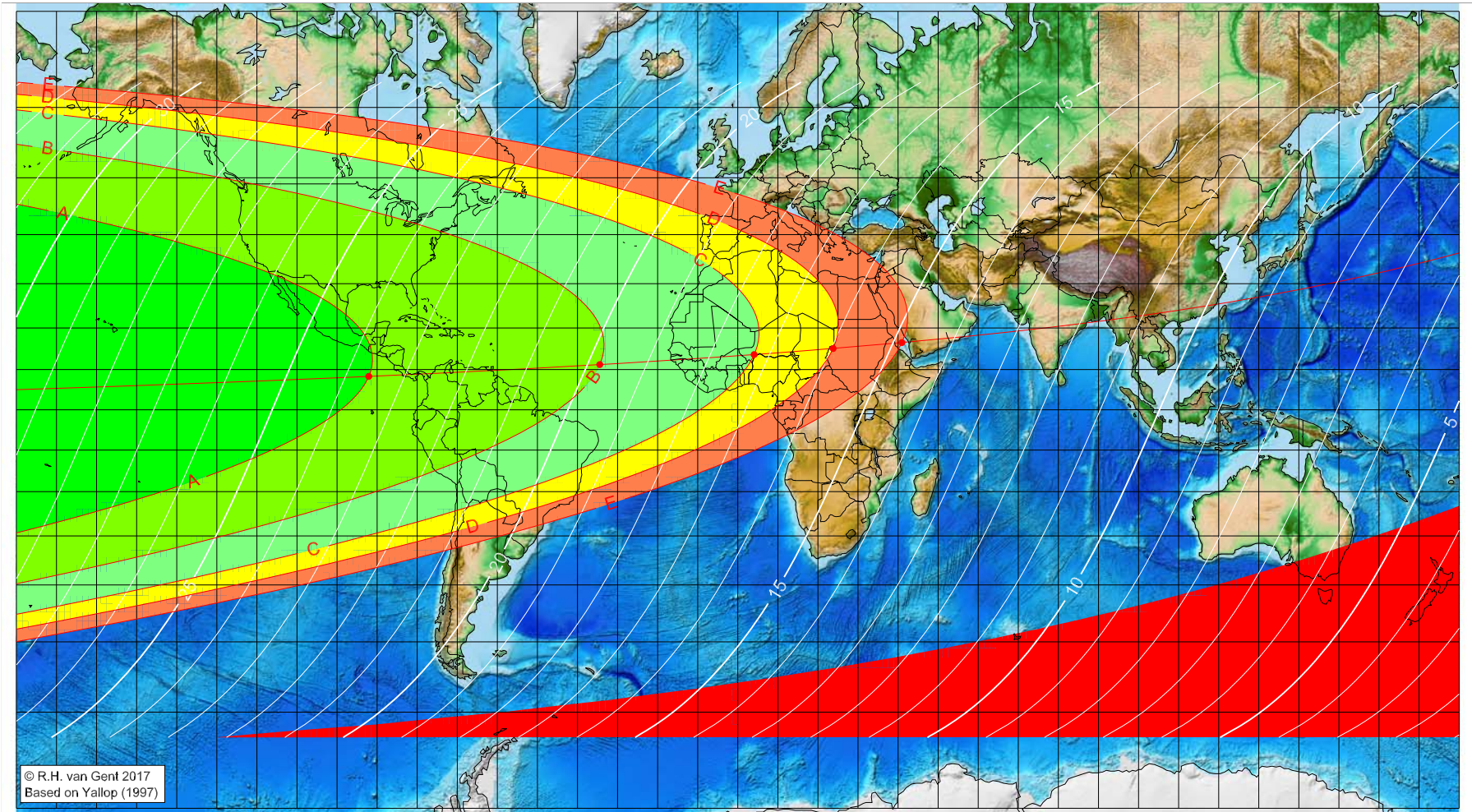


First visibility lunar crescent for Dhu 'l-Hijja 1442 AH

Global visibility map for 10 July 2021 [Saturday]
Day of luni-solar conjunction



© R.H. van Gent 2017
Based on Yallop (1997)

Astronomical New Moon: 10 July 2021, 1h 16.6m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1219
Islamic Lunation Number = 17304
TT - UT [= ΔT] = 1.2 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)

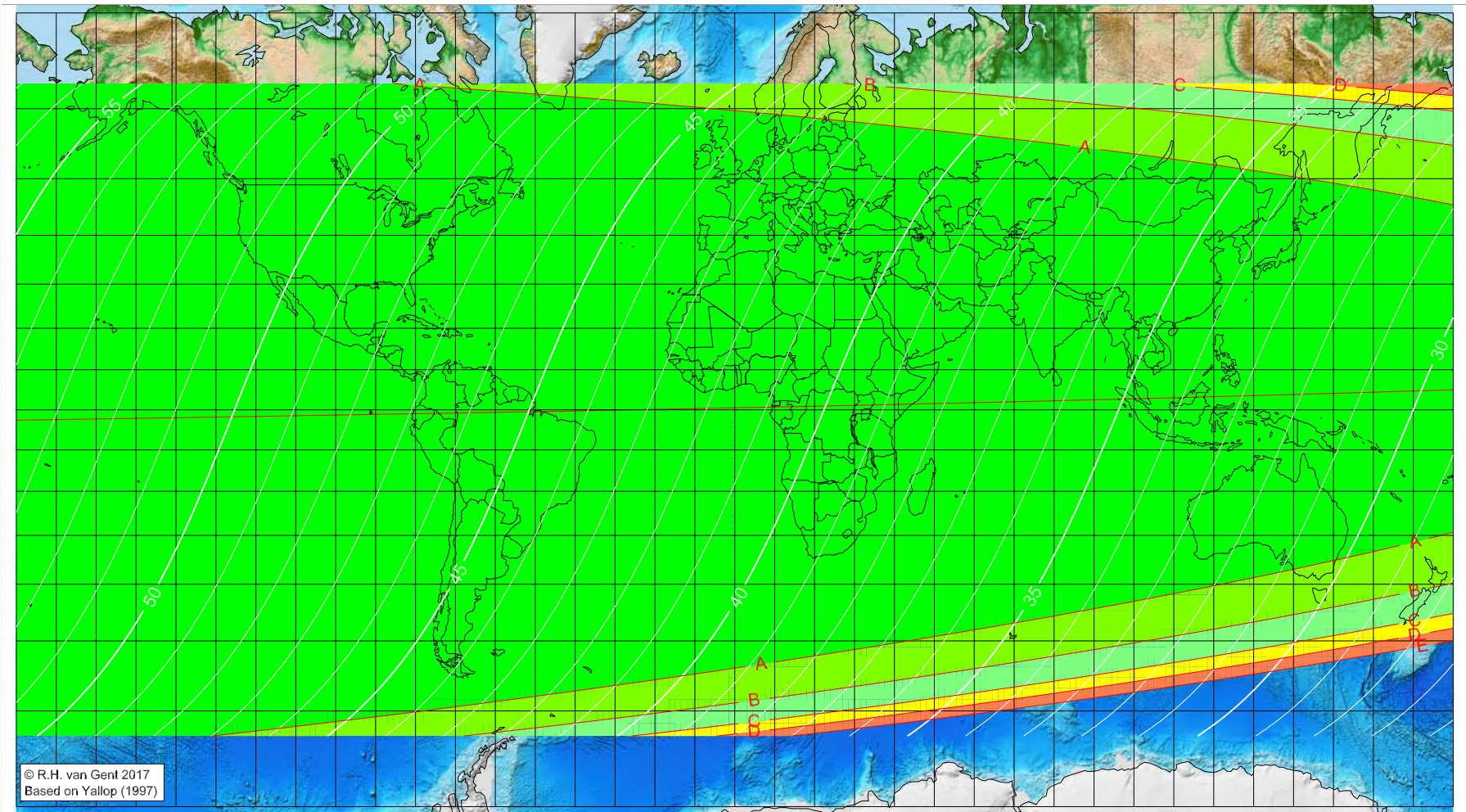
Longitude (°)	Latitude (°)	Lunar age (h)
-92.07	8.31	23.61
-34.44	11.21	19.79
4.08	13.65	17.26
23.79	15.12	15.97
40.95	16.54	14.85

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 Dhu 'l-Hijja 1442 AH

Global visibility map for 11 July 2021 [Sunday]
Day after luni-solar conjunction



Astronomical New Moon: 10 July 2021, 1h 16.6m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1219
Islamic Lunation Number = 17304
TT - UT [= ΔT] = 1.2 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)

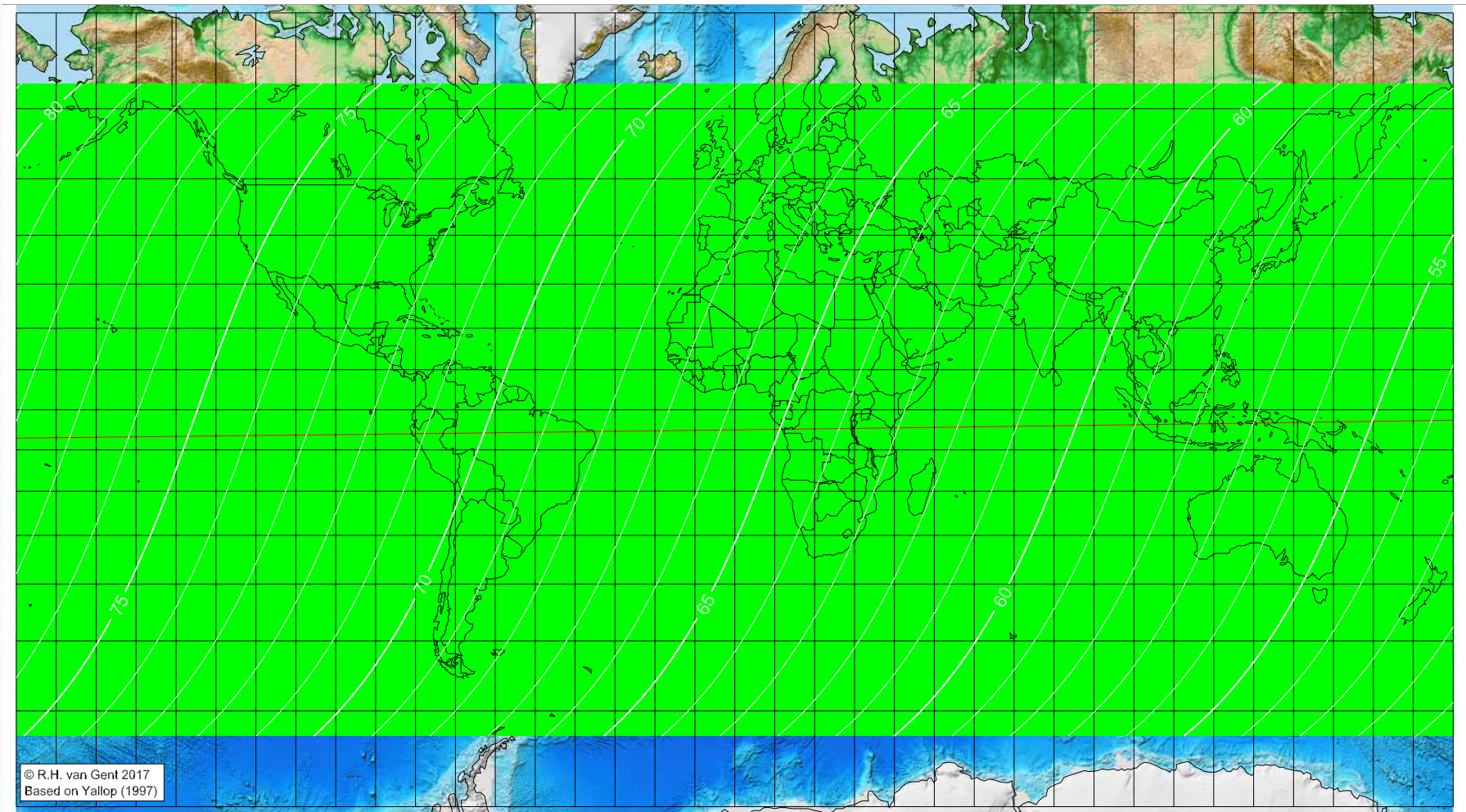
Longitude (°) Latitude (°) Lunar age (h)
visible on the previous evening
visible on the previous evening
visible on the previous evening
visible on the previous evening

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 Dhu 'l-Hijja 1442 AH

Global visibility map for 12 July 2021 [Monday]
Second day after luni-solar conjunction



Astronomical New Moon: 10 July 2021, 1h 16.6m (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 = 1219
Islamic Lunation Number = 17304
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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/>