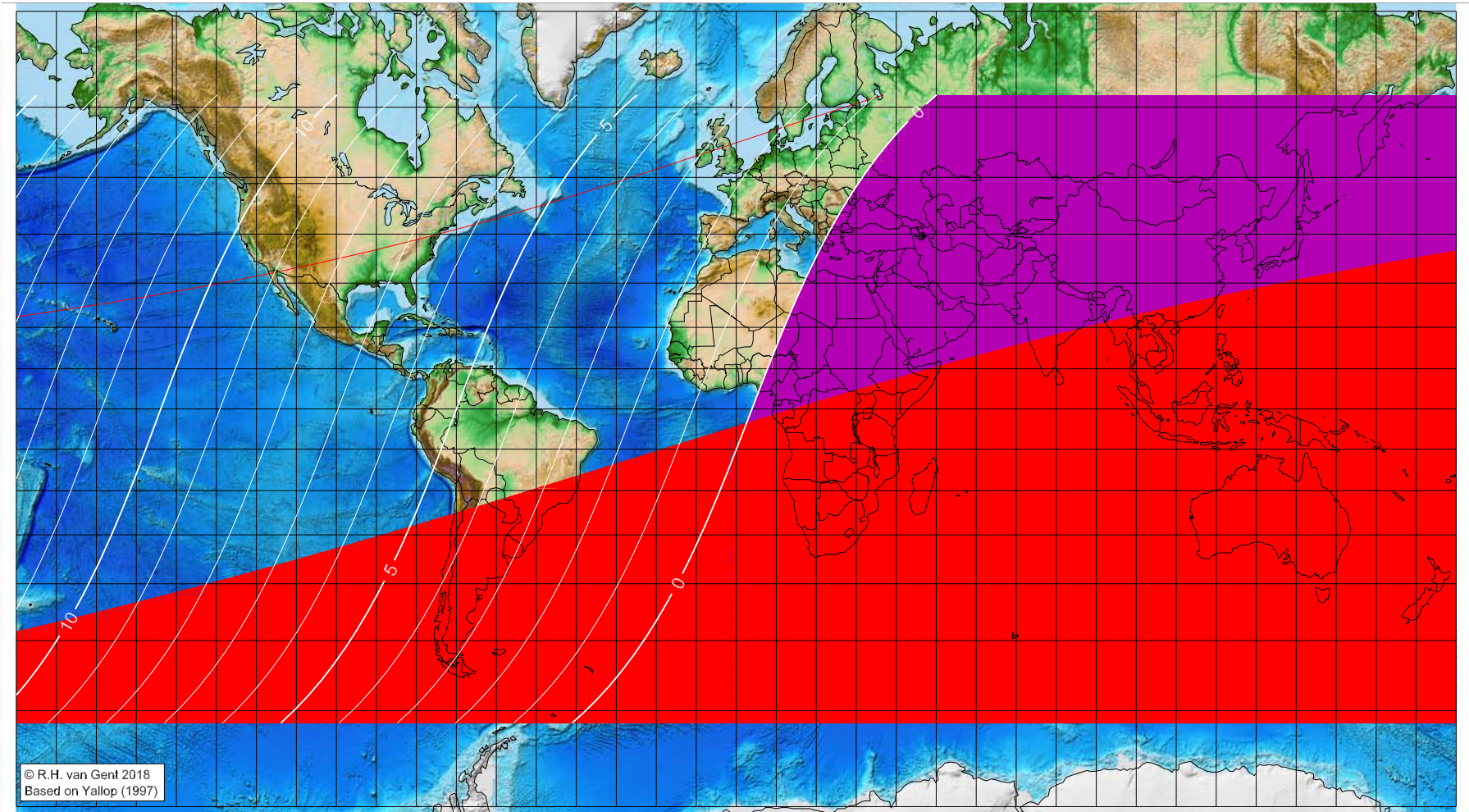


First visibility lunar crescent for Muḥarram 1444 AH

Global visibility map for 28 July 2022 [Thursday]
Day of luni-solar conjunction



Astronomical New Moon: 28 July 2022, 17h 54.9m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1232
Islamic Lunation Number = 17317
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°)

Longitude (°) Latitude (°) Lunar age (h)
not visible until the next evening
not visible until the next evening
not visible until the next evening
not visible until the next evening
not visible until the next evening

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

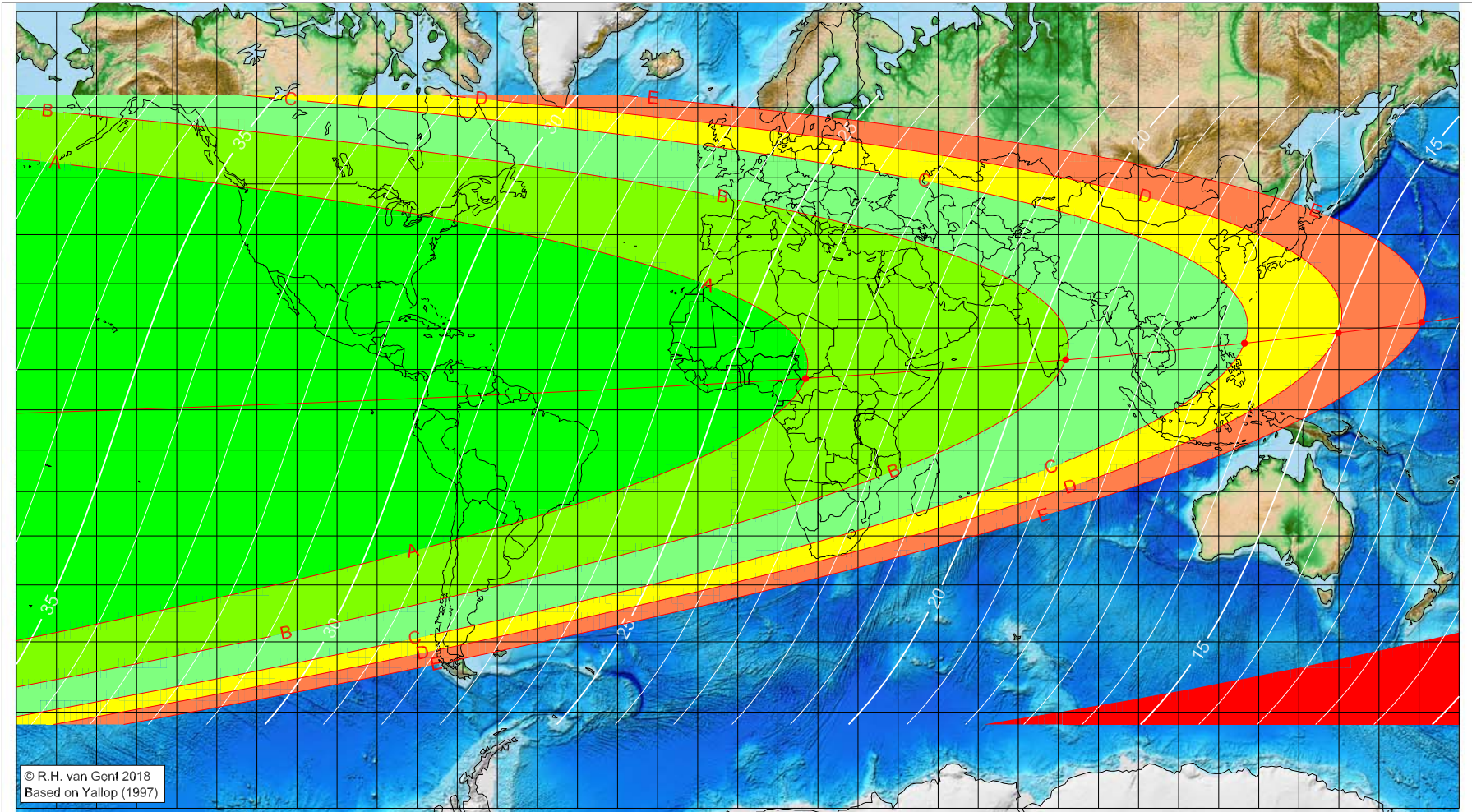
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

First visibility lunar crescent for Muḥarram 1444 AH

Global visibility map for 29 July 2022 [Friday]
Day after luni-solar conjunction



Astronomical New Moon: 28 July 2022, 17h 54.9m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1232

Islamic Lunation Number = 17317

TT - UT [= ΔT] = 1.2 min

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

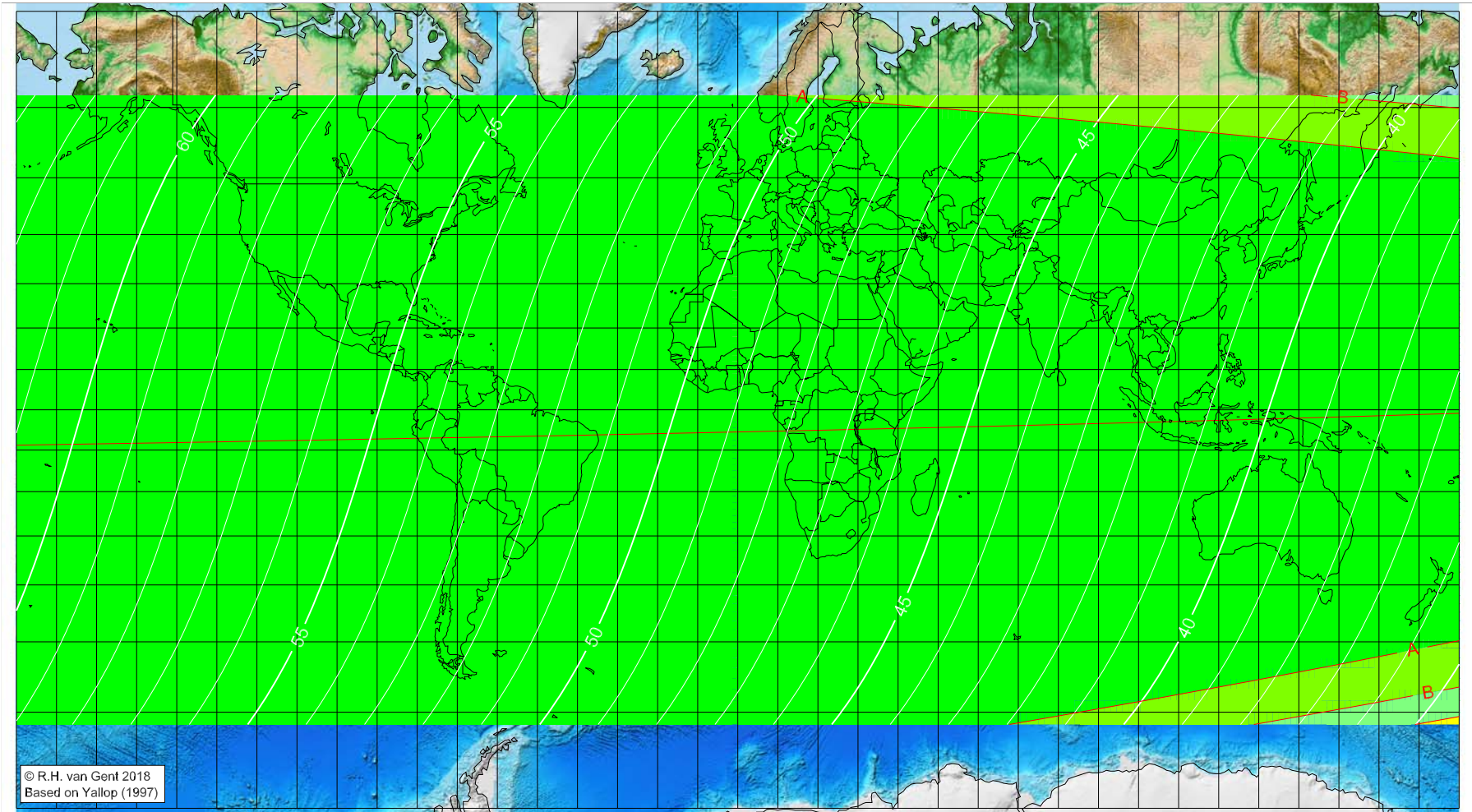
- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset before sunset
- before conjunction (astronomical new moon)

Longitude (°)	Latitude (°)	Lunar age (h)
16.90	7.80	23.66
81.84	12.37	19.39
126.43	16.37	16.48
149.84	18.84	14.97
170.68	21.29	13.63

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

First visibility lunar crescent for Muḥarram 1444 AH

Global visibility map for 30 July 2022 [Saturday]
Second day after luni-solar conjunction



Astronomical New Moon: 28 July 2022, 17h 54.9m (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 = 1232
Islamic Lunation Number = 17317
TT – UT [= ΔT] = 1.2 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/>