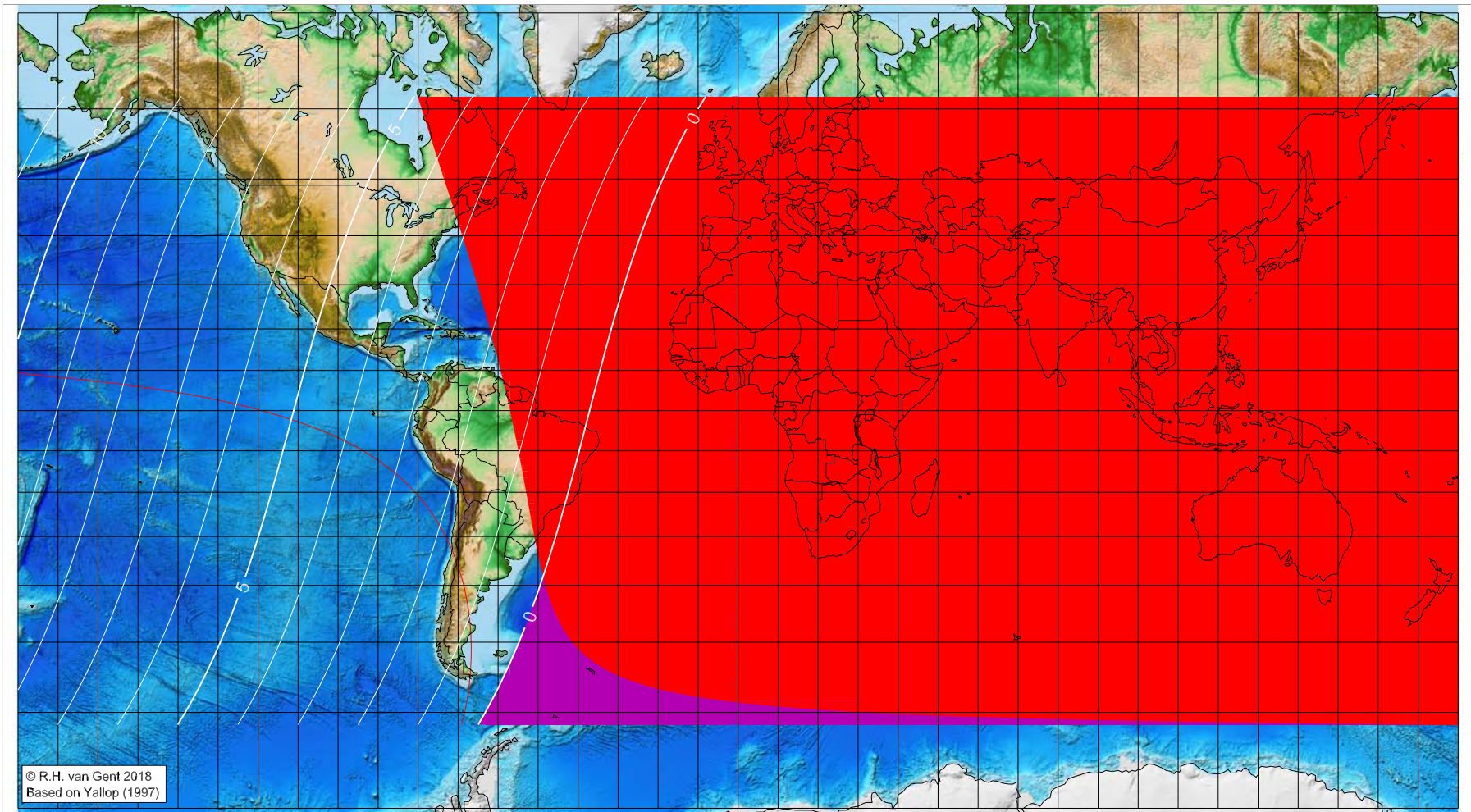


First visibility lunar crescent for Shawwāl 1443 AH

Global visibility map for 30 April 2022 [Saturday]
Day of luni-solar conjunction



© R.H. van Gent 2018
Based on Yallop (1997)

Astronomical New Moon: 30 April 2022, 20h 27.9m (UTC)

First visibility (•)

- 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)
		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

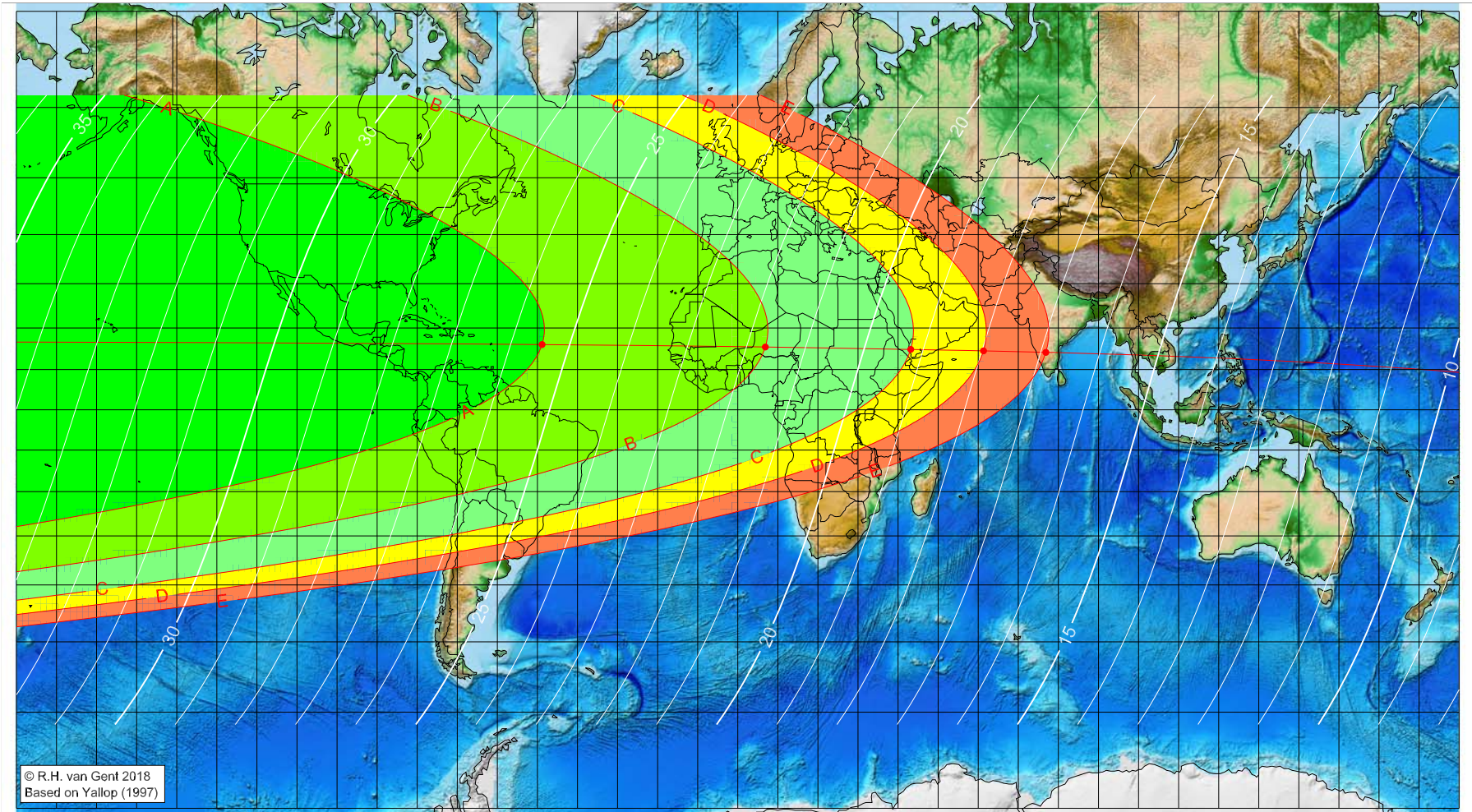
Astronomical (Brown) Lunation Number = 1229
Islamic Lunation Number = 17314
TT – UT [= ΔT] = 1.2 min

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/>

First visibility lunar crescent for Shawwāl 1443 AH

Global visibility map for 1 May 2022 [Sunday]
Day after luni-solar conjunction



Astronomical New Moon: 30 April 2022, 20h 27.9m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1229

Islamic Lunation Number = 17314

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

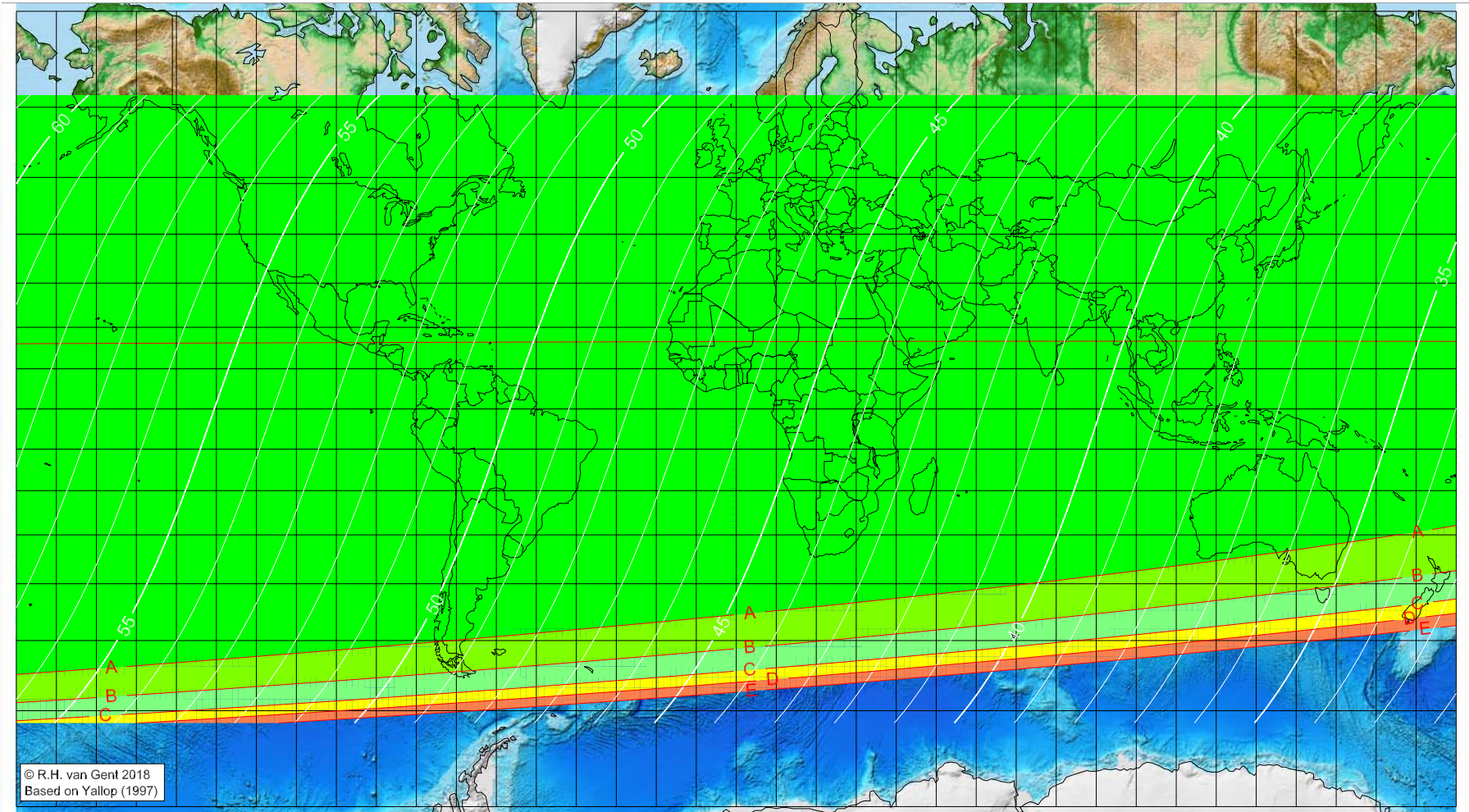
■ before conjunction (astronomical new moon)

Longitude (°)	Latitude (°)	Lunar age (h)
-48.84	16.07	25.47
6.88	15.48	21.68
43.15	14.91	19.21
61.32	14.55	17.97
76.88	14.18	16.91

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

First visibility lunar crescent for Shawwāl 1443 AH

Global visibility map for 2 May 2022 [Monday]
Second day after luni-solar conjunction



Astronomical New Moon: 30 April 2022, 20h 27.9m (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 = 1229
Islamic Lunation Number = 17314
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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

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