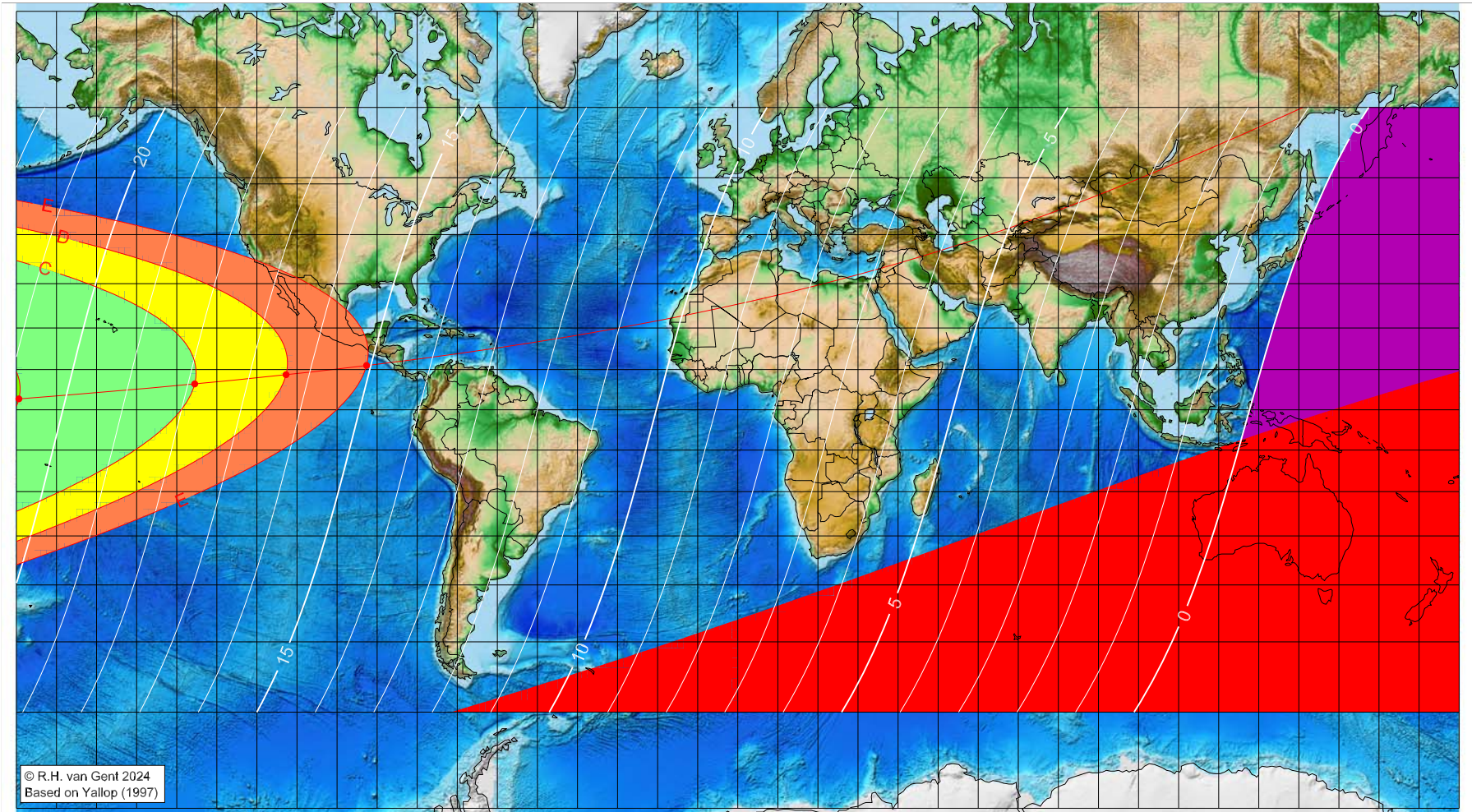


First visibility lunar crescent for Şafar 1445 AH

Global visibility map for 16 August 2023 [Wednesday]
Day of luni-solar conjunction



Astronomical New Moon: 16 August 2023, 9h 38.1m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1245

Islamic Lunation Number = 17330

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

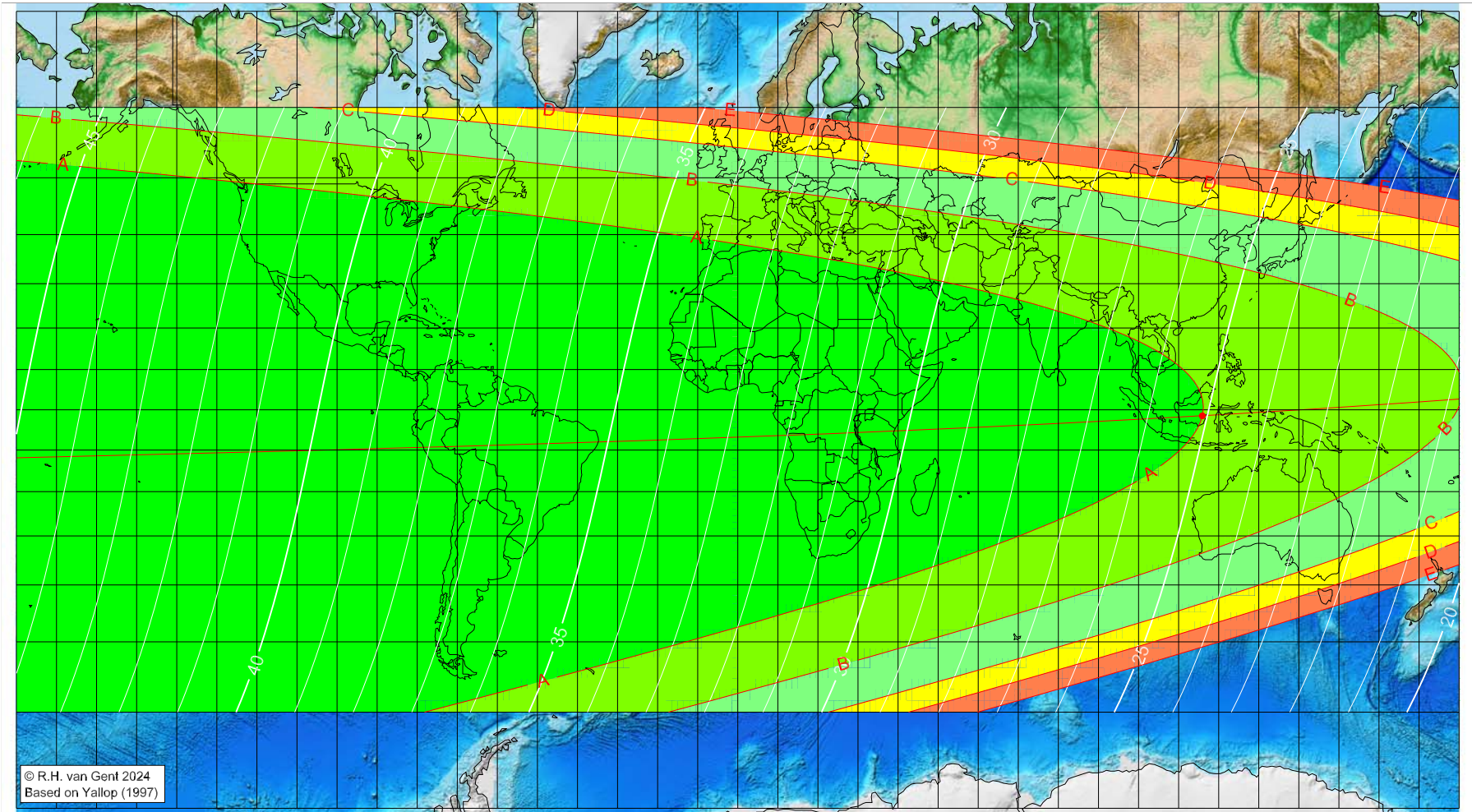
■ before conjunction (astronomical new moon)

Longitude (°)	Latitude (°)	Lunar age (h)
-179.39	2.73	20.78
-135.51	6.44	17.89
-112.72	8.73	16.39
-92.63	10.99	15.07

More info: <https://webspacescience.uu.nl/~gent0113/>

First visibility lunar crescent for Şafar 1445 AH

Global visibility map for 17 August 2023 [Thursday]
Day after luni-solar conjunction



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Based on Yallop (1997)

Astronomical New Moon: 16 August 2023, 9h 38.1m (UTC)

First visibility (●)

Longitude (°)	Latitude (°)	Lunar age (h)
115.92	-1.51	25.08

visible on the previous evening
visible on the previous evening
visible on the previous evening

Astronomical (Brown) Lunation Number = 1245
Islamic Lunation Number = 17330
TT - UT [= ΔT] = 1.2 min

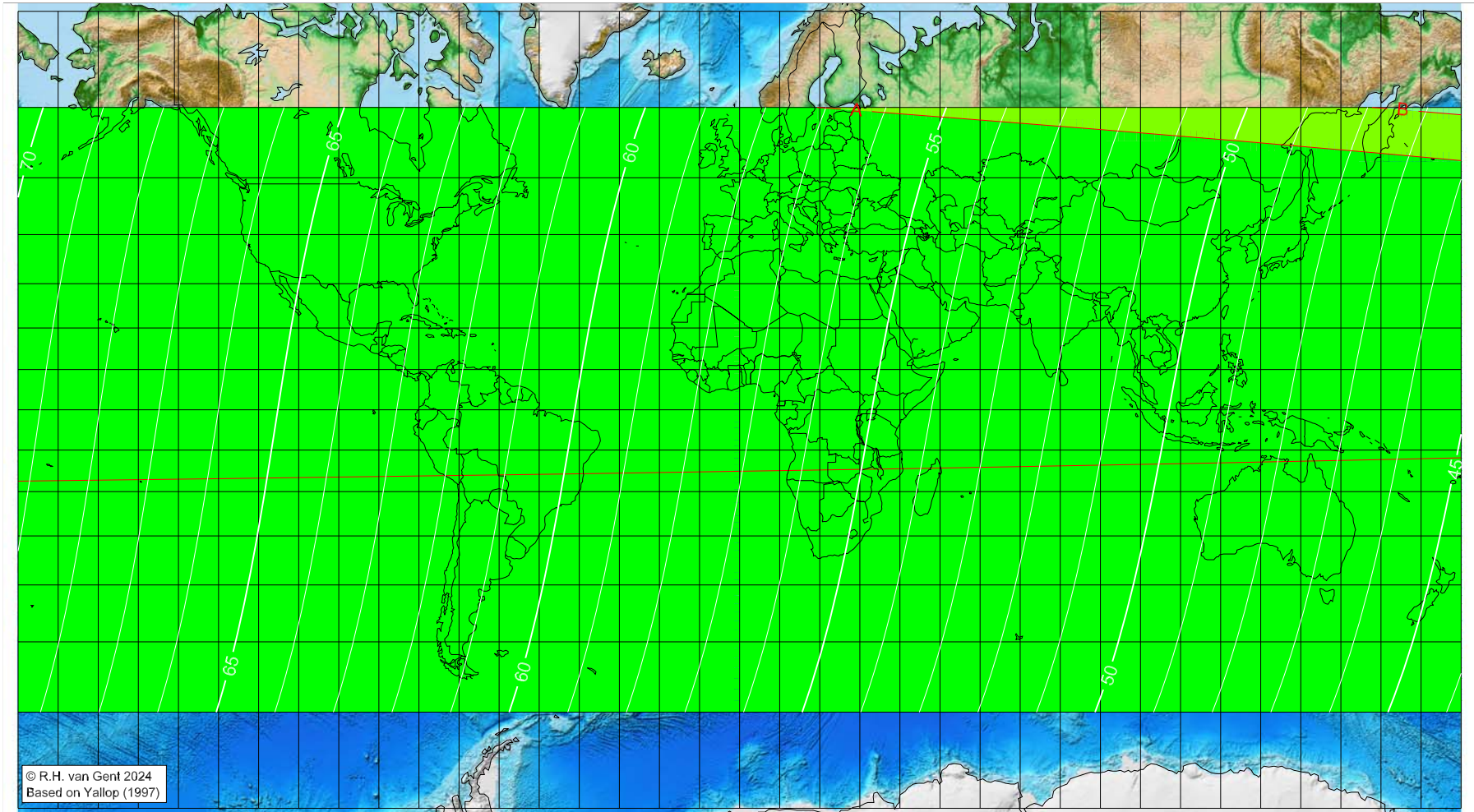
- A – easily visible to the unaided eye
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- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset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

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

More info: <https://webspacescience.uu.nl/~gent0113/>

First visibility lunar crescent for Şafar 1445 AH

Global visibility map for 18 August 2023 [Friday]
Second day after luni-solar conjunction



© R.H. van Gent 2024
Based on Yallop (1997)

Astronomical New Moon: 16 August 2023, 9h 38.1m (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 = 1245
Islamic Lunation Number = 17330
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: <https://webspacescience.uu.nl/~gent0113/>