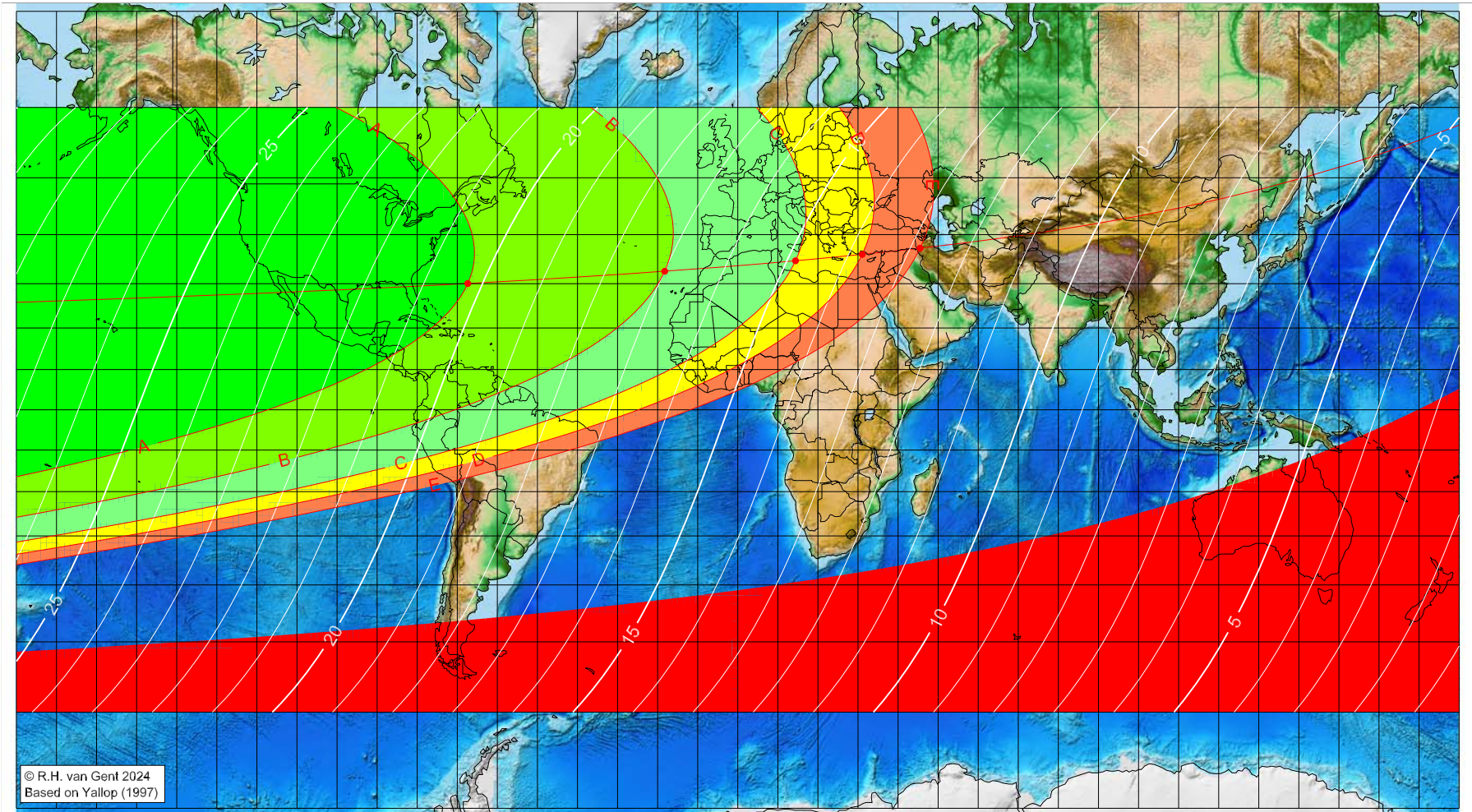


First visibility lunar crescent for Dhu 'l-Qa'da 1445 AH

Global visibility map for 8 May 2024 [Wednesday]
Day of luni-solar conjunction



Astronomical New Moon: 8 May 2024, 3h 22.0m (UTC)

First visibility (●)

Astronomical (Brown) Lunation Number = 1254
Islamic Lunation Number = 17339
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) |
|---------------|--------------|---------------|
| -67.38 | 30.04 | 20.25 |
| -18.24 | 32.64 | 17.00 |
| 14.40 | 34.82 | 14.85 |
| 31.04 | 36.11 | 13.77 |
| 45.49 | 37.36 | 12.83 |

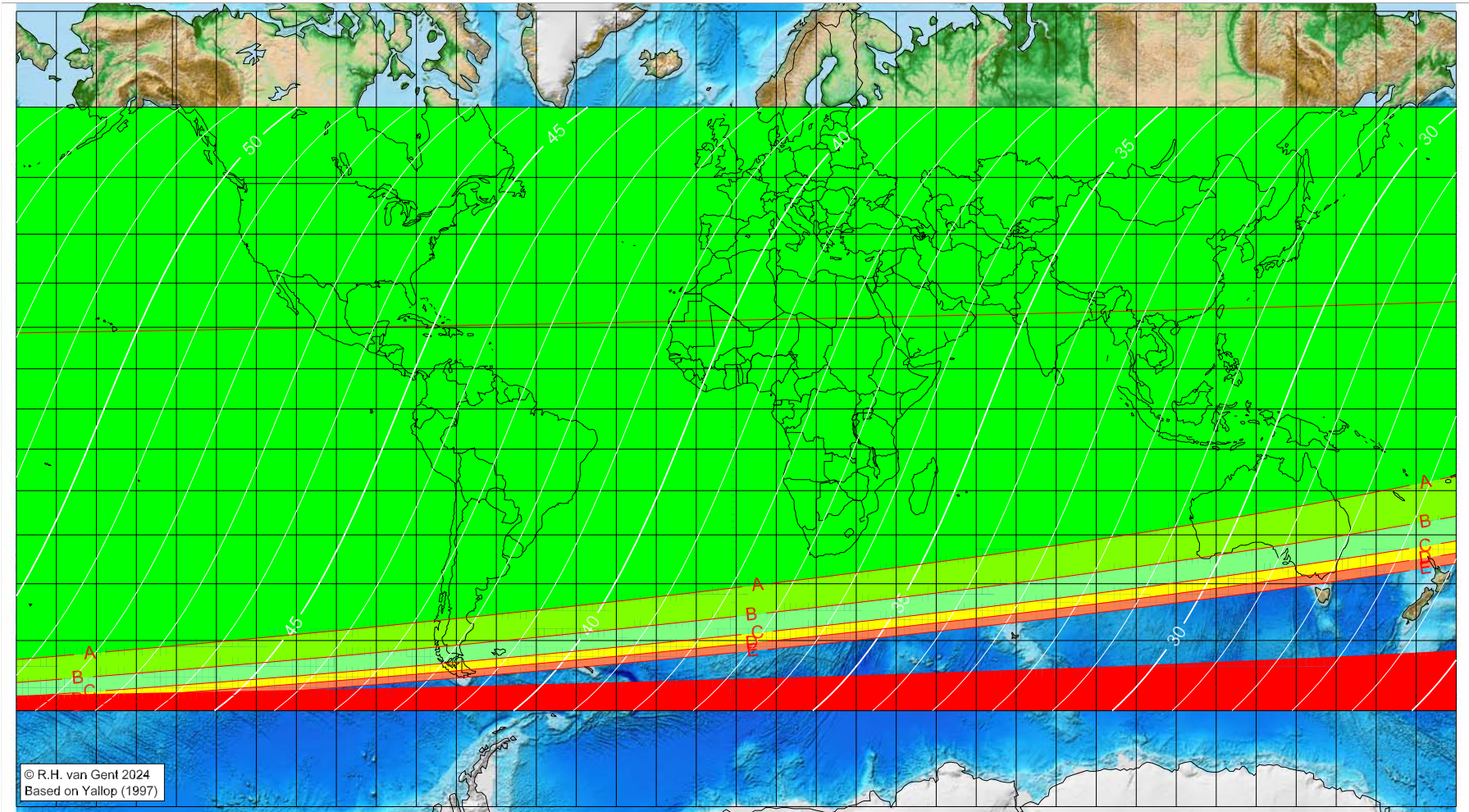
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

- moonset before sunset
- before conjunction (astronomical new moon)

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

First visibility lunar crescent for Dhu 'l-Qa' da 1445 AH

Global visibility map for 9 May 2024 [Thursday]
Day after luni-solar conjunction



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Based on Yallop (1997)

Astronomical New Moon: 8 May 2024, 3h 22.0m (UTC)

First visibility (•)

| 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 |

Astronomical (Brown) Lunation Number = 1254
Islamic Lunation Number = 17339
TT - UT [= ΔT] = 1.2 min

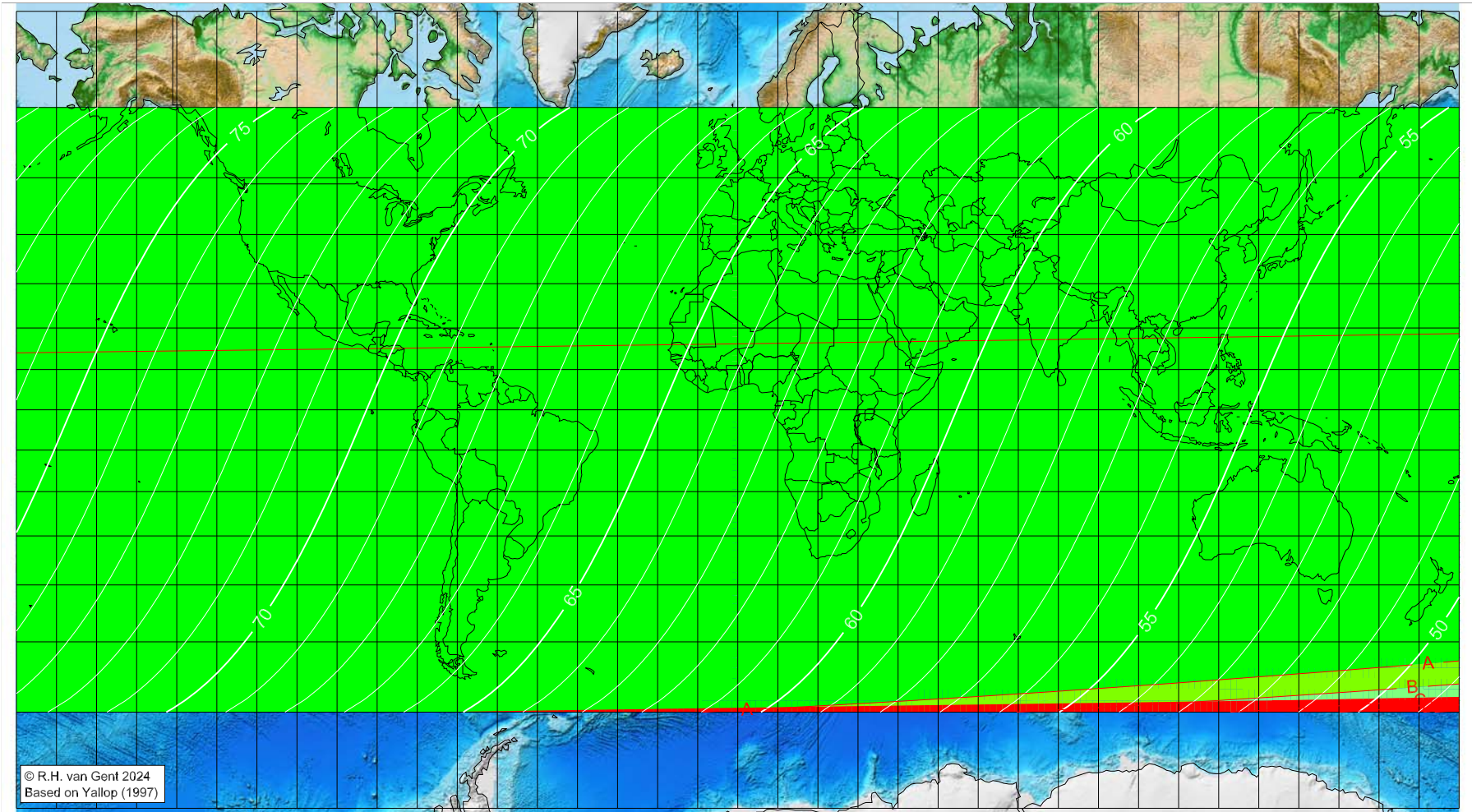
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

- A – easily visible to the unaided eye
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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)

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

First visibility lunar crescent for Dhu 'l-Qa' da 1445 AH

Global visibility map for 10 May 2024 [Friday]
Second day after luni-solar conjunction



Astronomical New Moon: 8 May 2024, 3h 22.0m (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 = 1254
Islamic Lunation Number = 17339
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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

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