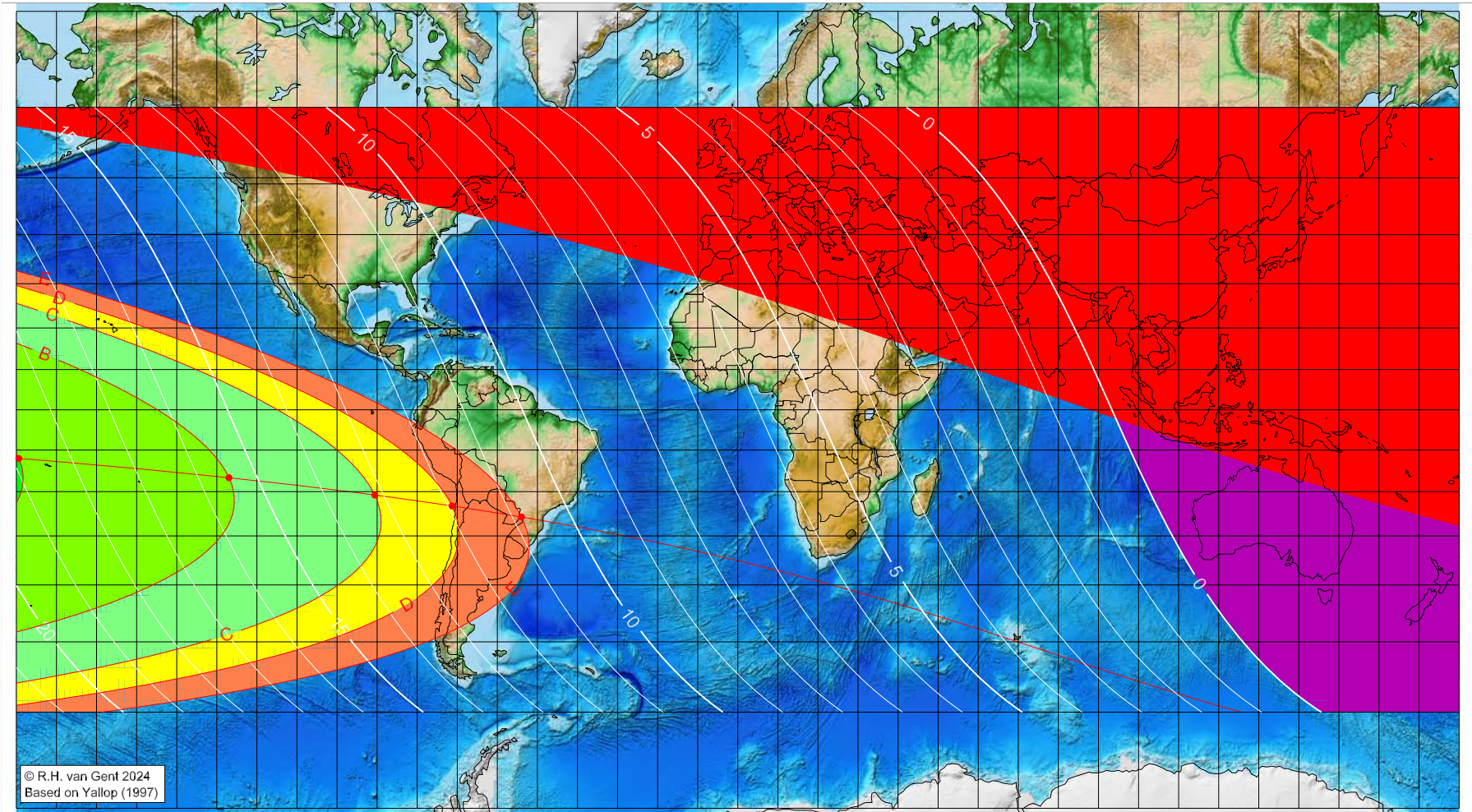


# First visibility lunar crescent for Rajab 1445 AH

Global visibility map for 11 January 2024 [Thursday]  
Day of luni-solar conjunction



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

Astronomical New Moon: 11 January 2024, 11h 57.4m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1250

Islamic Lunation Number = 17335

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°)

Longitude (°)	Latitude (°)	Lunar age (h)
-179.41	-12.05	18.89
-126.97	-16.72	15.48
-90.59	-20.80	13.15
-71.30	-23.32	11.93
-53.97	-25.83	10.84

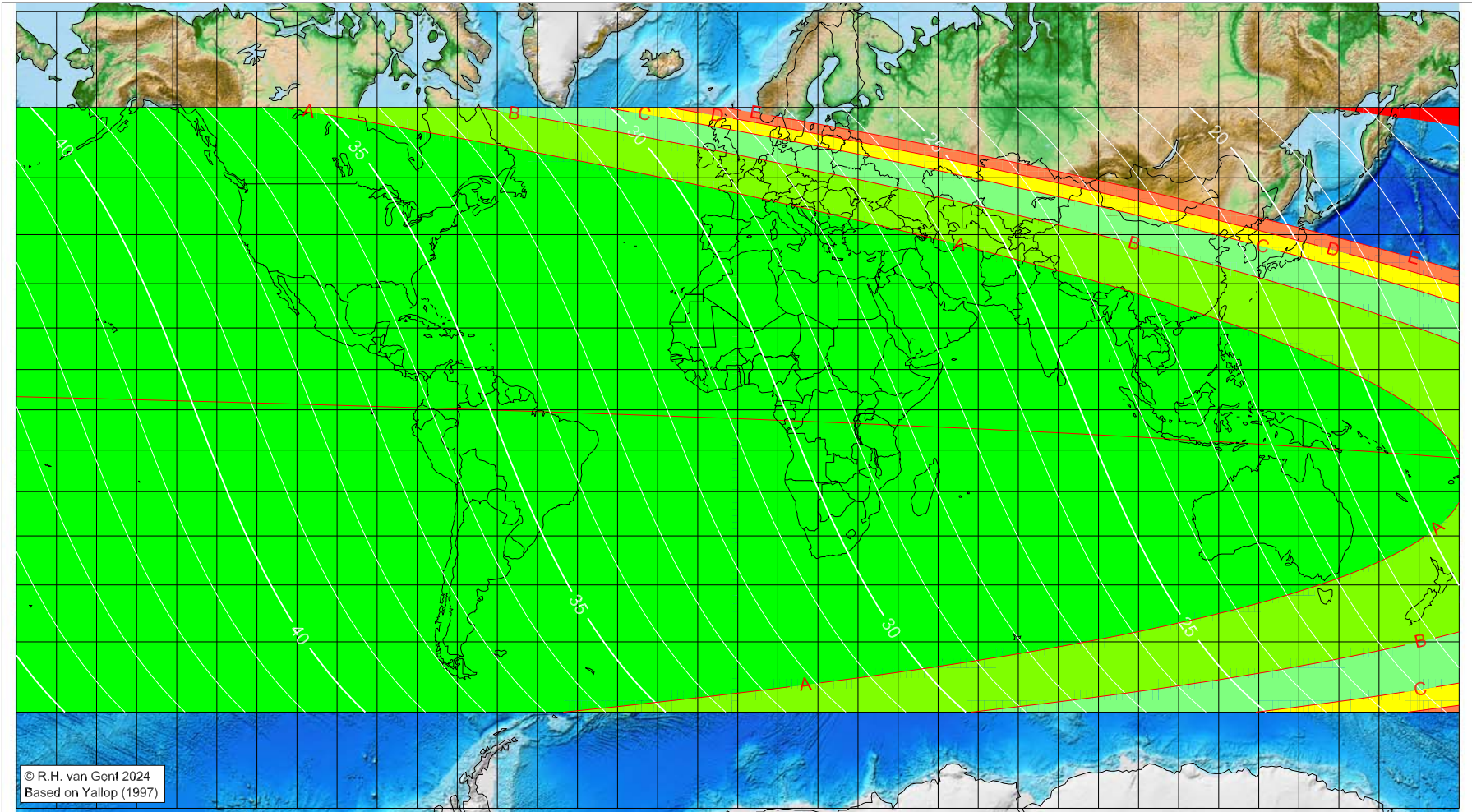
■ moonset before sunset

■ before conjunction (astronomical new moon)

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

# First visibility lunar crescent for Rajab 1445 AH

Global visibility map for 12 January 2024 [Friday]  
Day after luni-solar conjunction



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

Astronomical New Moon: 11 January 2024, 11h 57.4m (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 = 1250  
Islamic Lunation Number = 17335  
TT - UT [= ΔT] = 1.2 min

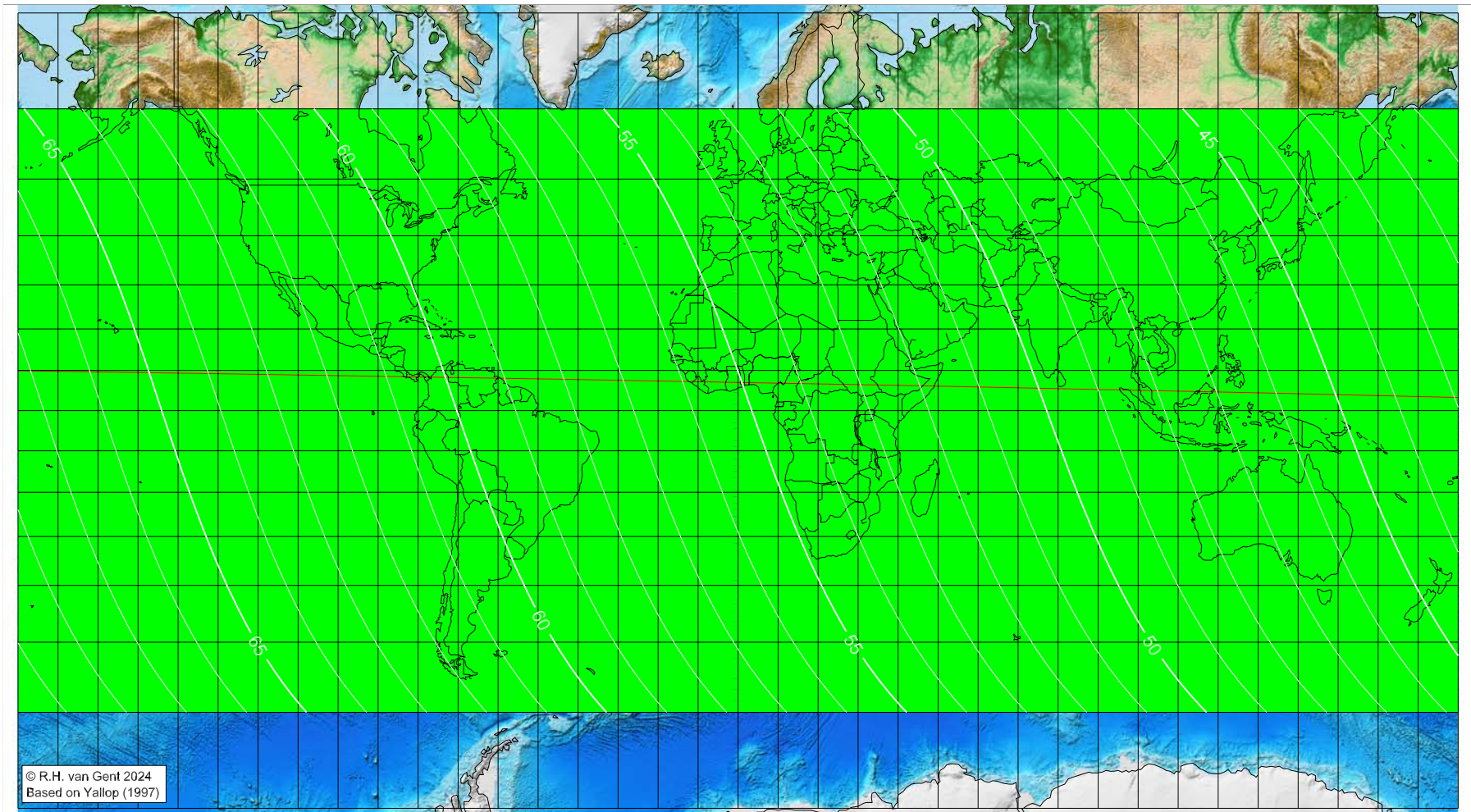
Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

- 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)

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

# First visibility lunar crescent for Rajab 1445 AH

Global visibility map for 13 January 2024 [Saturday]  
Second day after luni-solar conjunction



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

Astronomical New Moon: 11 January 2024, 11h 57.4m (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 ( $7^\circ$ )
- moonset before sunset
- before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1250  
Islamic Lunation Number = 17335  
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

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/>