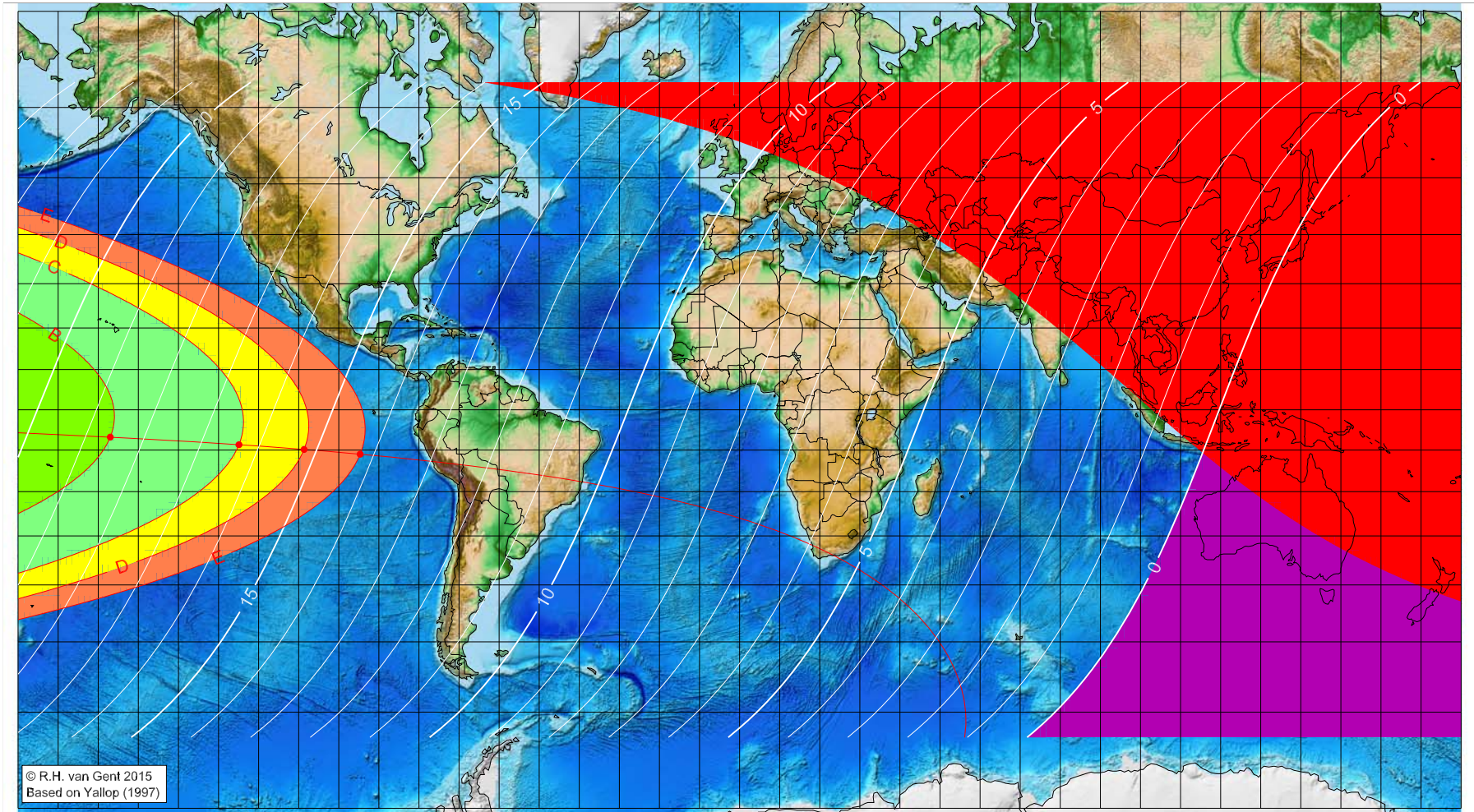


First visibility lunar crescent for Shawwāl 1440 AH

Global visibility map for 3 June 2019 [Monday]
Day of luni-solar conjunction



© R.H. van Gent 2015
Based on Yallop (1997)

Astronomical New Moon: 3 June 2019, 10h 1.9m (UTC)

First visibility (•)

Longitude (°)	Latitude (°)	Lunar age (h)
-157.00	-6.80	18.58
-124.90	-8.68	16.35
-108.66	-9.85	15.22
-94.67	-11.01	14.24

Astronomical (Brown) Lunation Number = 1193
Islamic Lunation Number = 17278
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°)

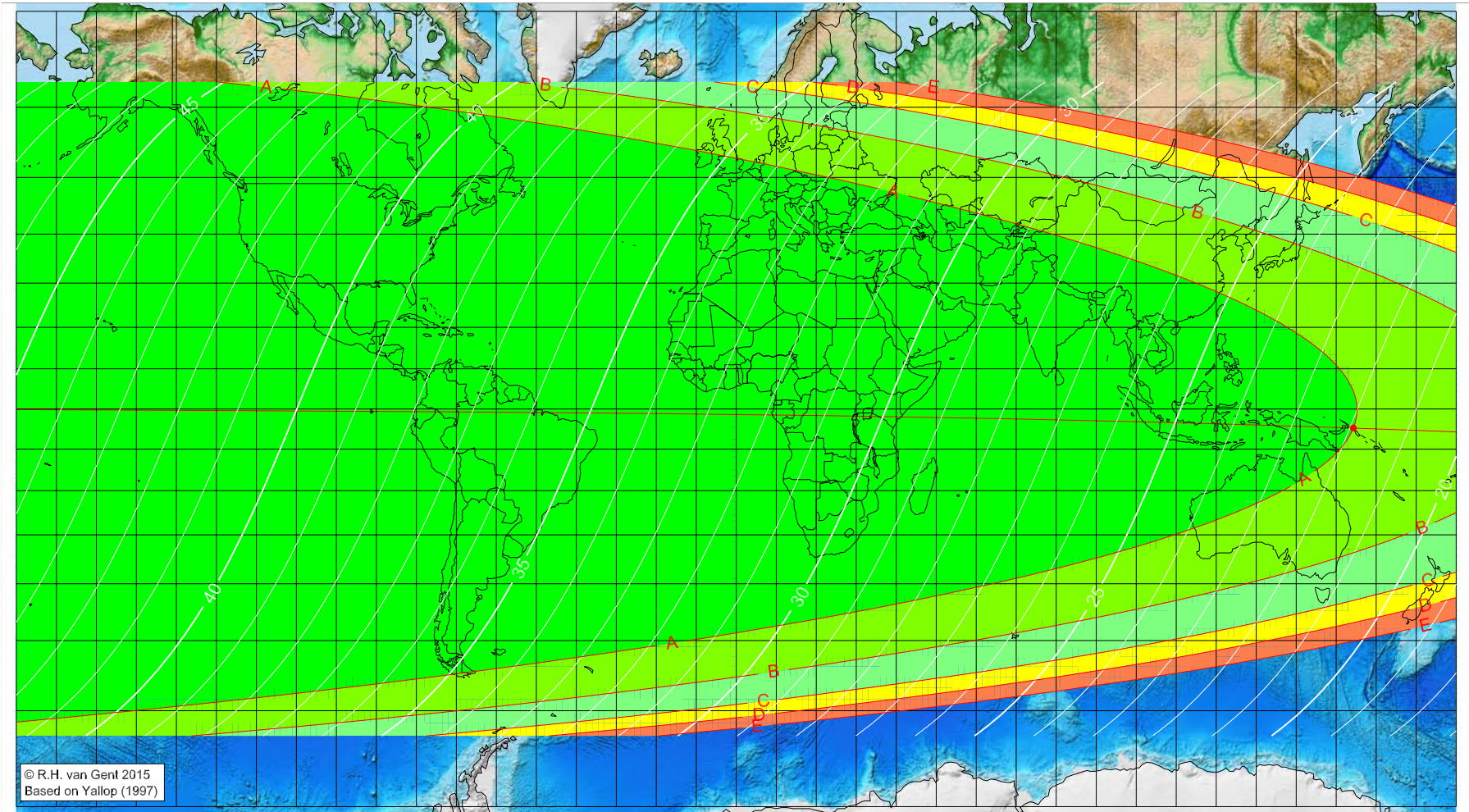
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

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

First visibility lunar crescent for Shawwāl 1440 AH

Global visibility map for 4 June 2019 [Tuesday]
Day after luni-solar conjunction



© R.H. van Gent 2015
Based on Yallop (1997)

Astronomical New Moon: 3 June 2019, 10h 1.9m (UTC)

First visibility (•)

Longitude (°)	Latitude (°)	Lunar age (h)
154.30	-4.74	21.94

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

Astronomical (Brown) Lunation Number = 1193
Islamic Lunation Number = 17278
TT - UT [= ΔT] = 1.2 min

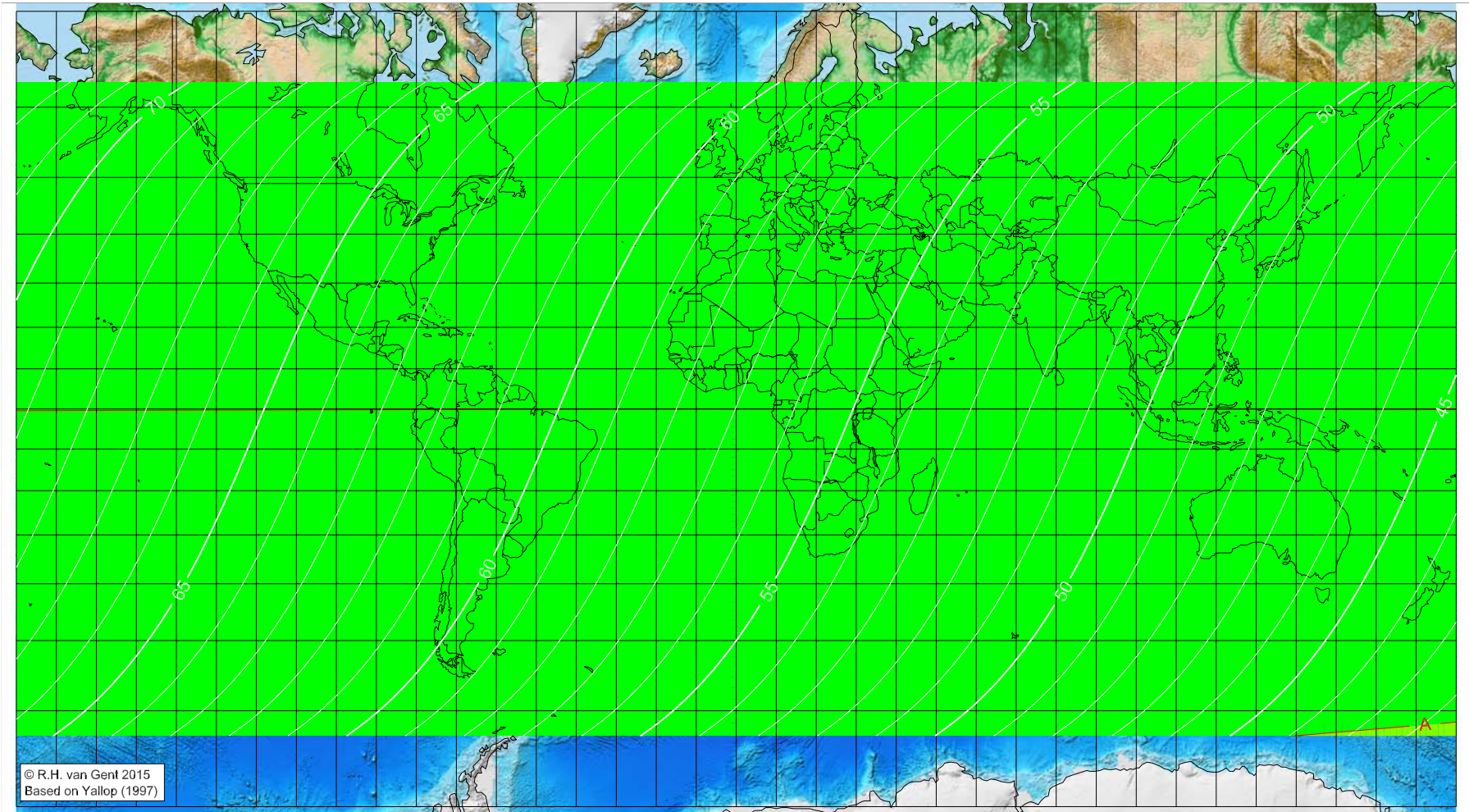
- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset 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: <http://www.staff.science.uu.nl/~gent0113/>

First visibility lunar crescent for Shawwāl 1440 AH

Global visibility map for 5 June 2019 [Wednesday]
Second day after luni-solar conjunction



Astronomical New Moon: 3 June 2019, 10h 1.9m (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 = 1193
Islamic Lunation Number = 17278
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/>