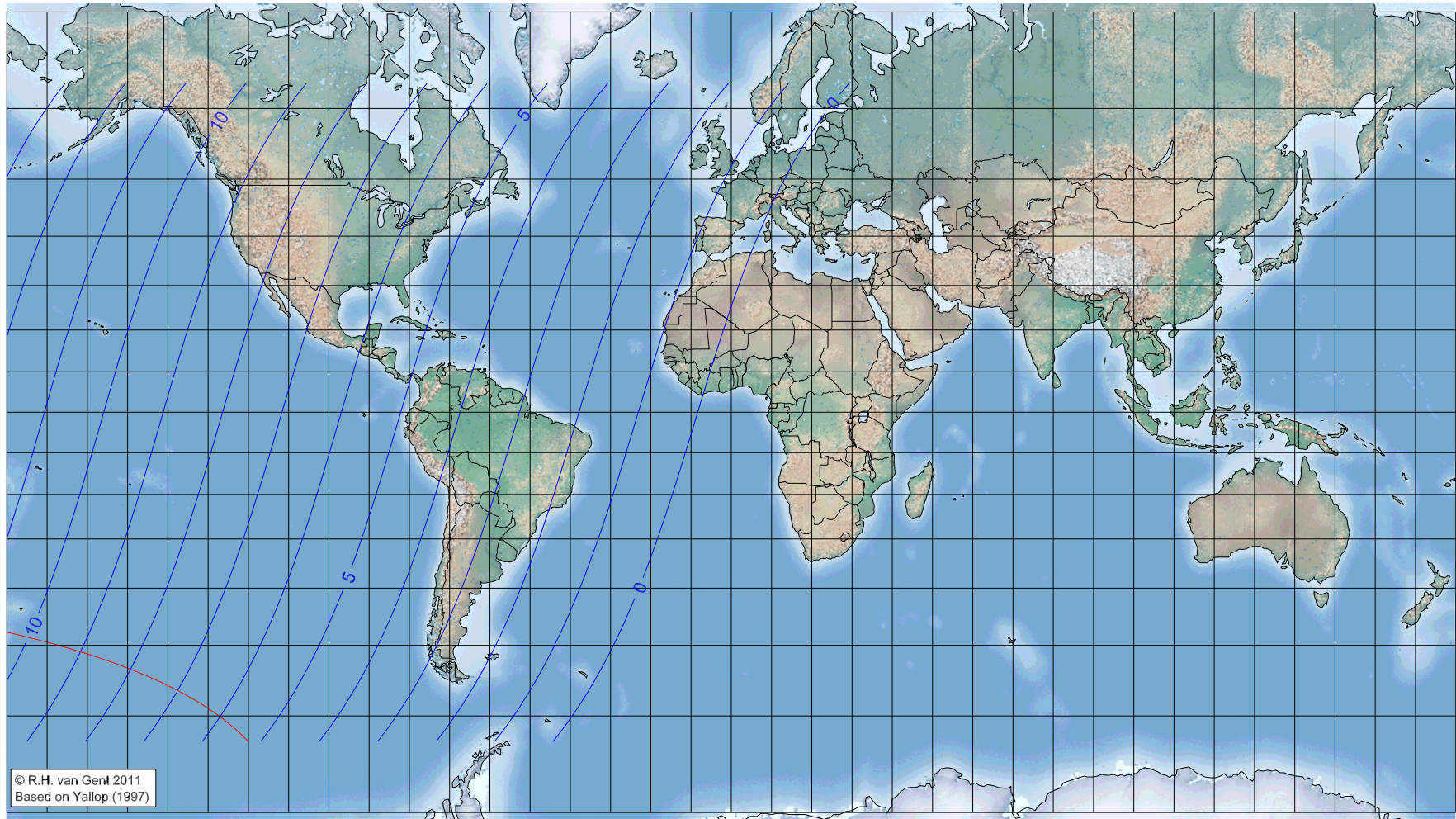


First visibility lunar crescent for Ramaḍān 1432 AH

Global visibility map for 30 July 2011 [Saturday]

Day of luni-solar conjunction



© R.H. van Gent 2011
Based on Yallop (1997)

Astronomical New Moon: 30 July 2011, 18h 39.8m (UTC)

$\Delta T = 1.1$ min

First visibility (●)

Longitude (°) Latitude (°) Lunar age (h)

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – may need optical aid before visible to the unaided eye
- D – only visible with binoculars or a telescope
- E – Danjon limit (8°) – invisible even with optical aid

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 = 1096

Islamic Lunation Number = 17181

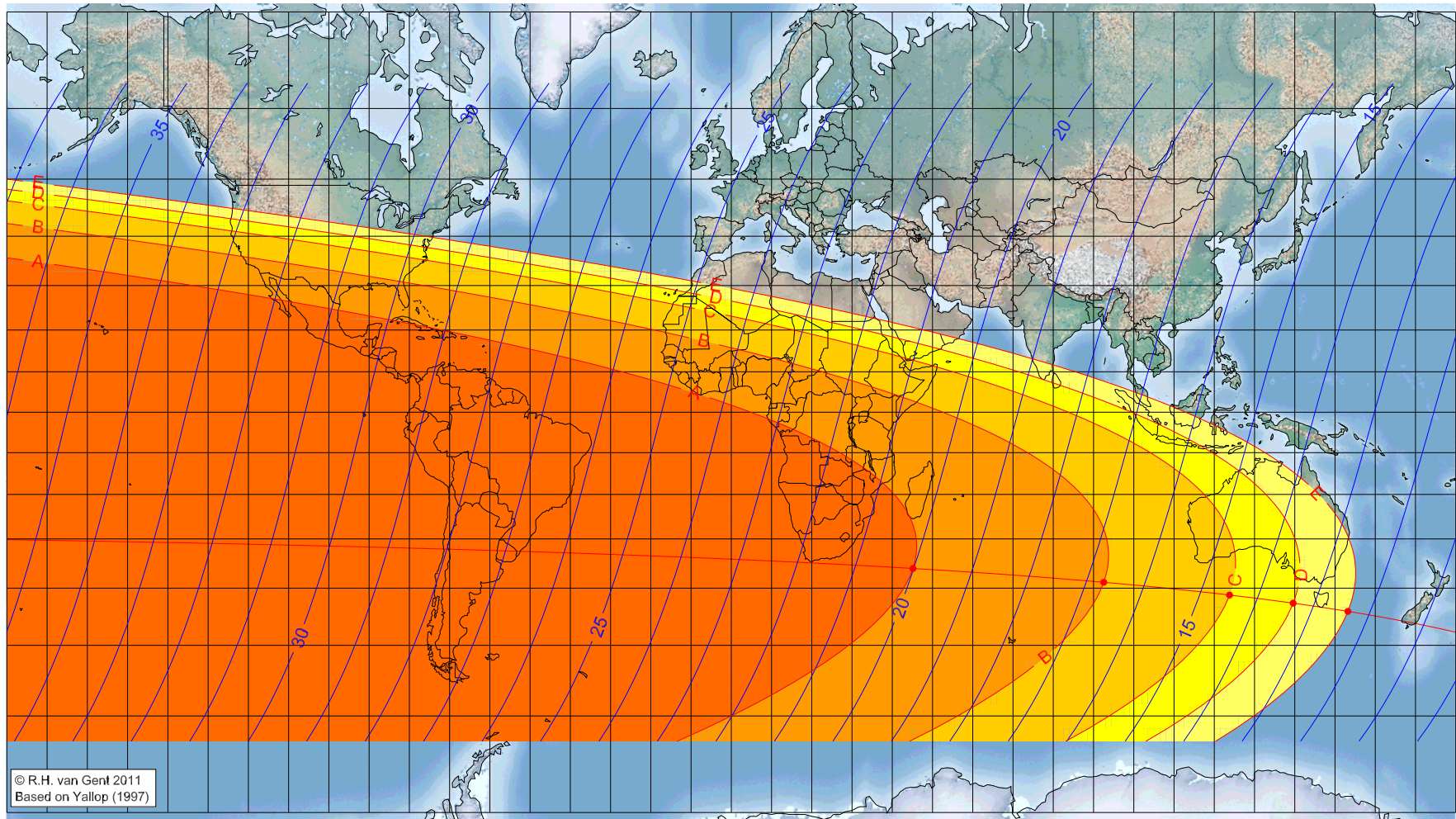
Lunar age (in hours) is given for the 'best time',
defined as the moment 4/9ths between sunset
and moonset

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

First visibility lunar crescent for Ramaḍān 1432 AH

Global visibility map for 31 July 2011 [Sunday]

Day after luni-solar conjunction



Astronomical New Moon: 30 July 2011, 18h 39.8m (UTC)

$\Delta T = 1.1$ min

First visibility (●)

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – may need optical aid before visible to the unaided eye
- D – only visible with binoculars or a telescope
- E – Danjon limit (8°) – invisible even with optical aid

Longitude ($^\circ$)	Latitude ($^\circ$)	Lunar age (h)
45.14	-36.15	20.01
92.54	-38.87	16.70
123.80	-41.29	14.49
139.60	-42.79	13.36
153.20	-44.27	12.38

Astronomical (Brown) Lunation Number = 1096

Islamic Lunation Number = 17181

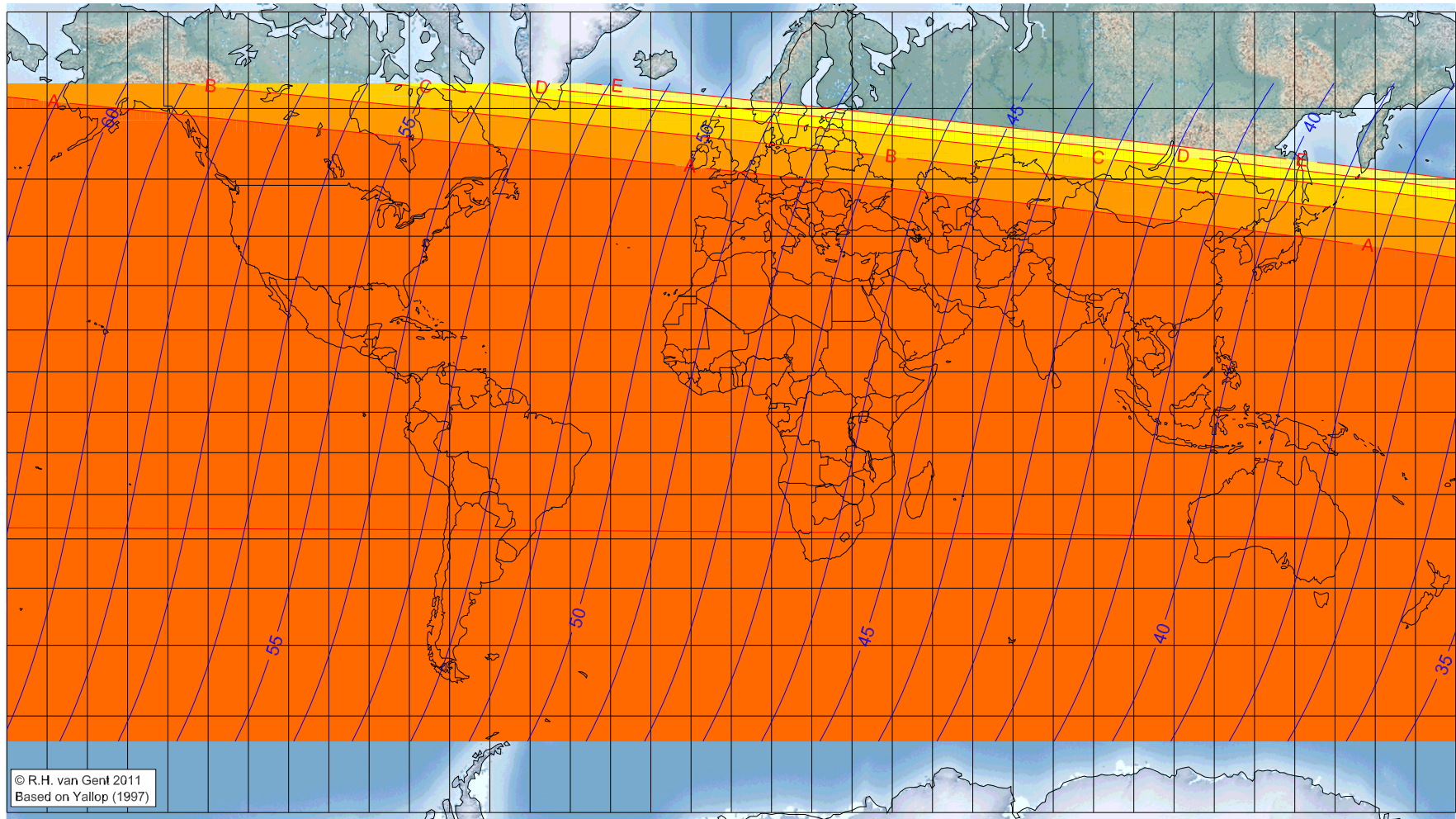
Lunar age (in hours) is given for the 'best time', defined as the moment 4/9ths between sunset and moonset

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

First visibility lunar crescent for Ramaḍān 1432 AH

Global visibility map for 1 August 2011 [Monday]

Second day after luni-solar conjunction



Astronomical New Moon: 30 July 2011, 18h 39.8m (UTC)

$\Delta T = 1.1$ min

Astronomical (Brown) Lunation Number = 1096

Islamic Lunation Number = 17181

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – may need optical aid before visible to the unaided eye
- D – only visible with binoculars or a telescope
- E – Danjon limit (8°) – invisible even with optical aid

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/>