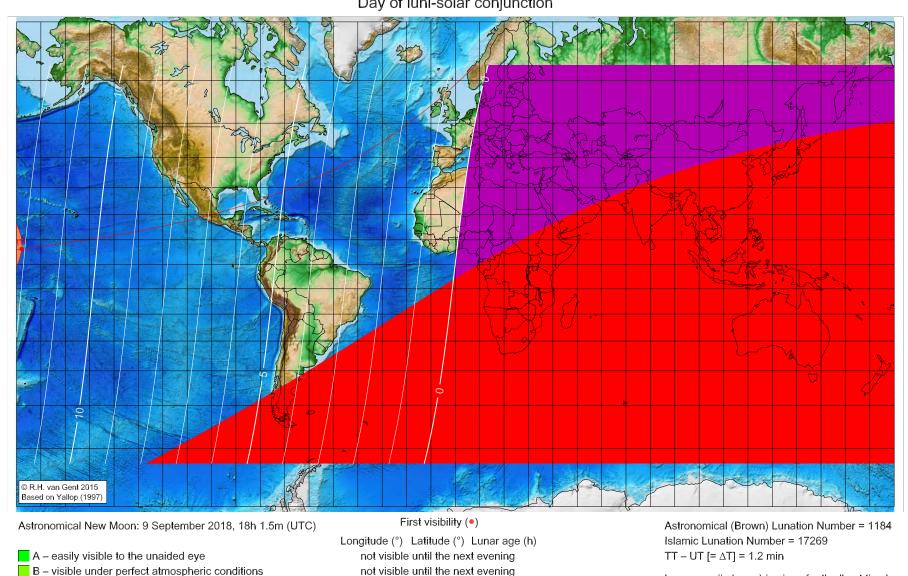
First visibility lunar crescent for Muharram 1440 AH

Global visibility map for 9 September 2018 [Sunday]

Day of luni-solar conjunction



not visible until the next evening

not visible until the next evening

6.27

12.09

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)

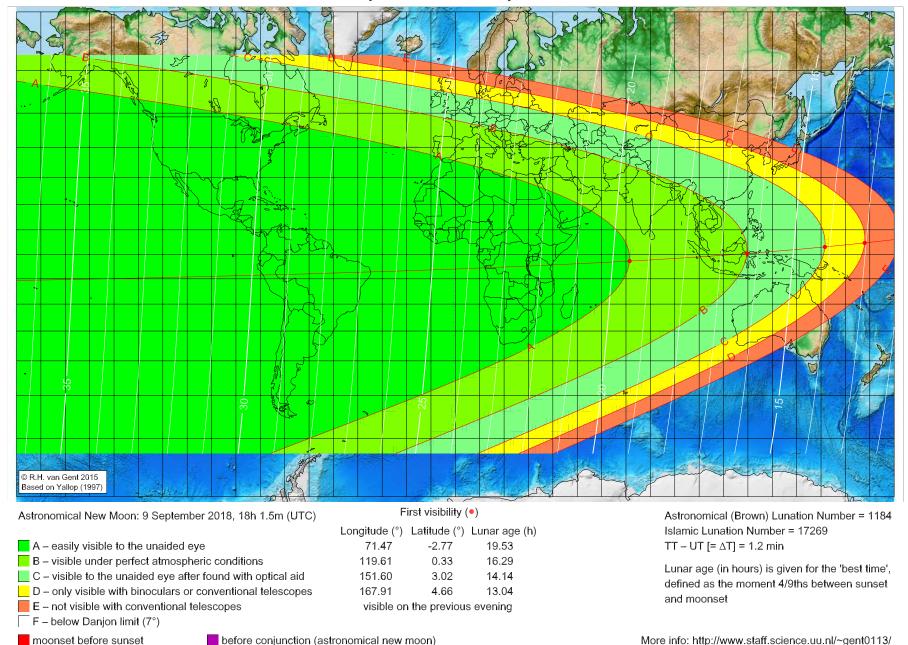
-177.92

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

First visibility lunar crescent for Muḥarram 1440 AH

Global visibility map for 10 September 2018 [Monday]

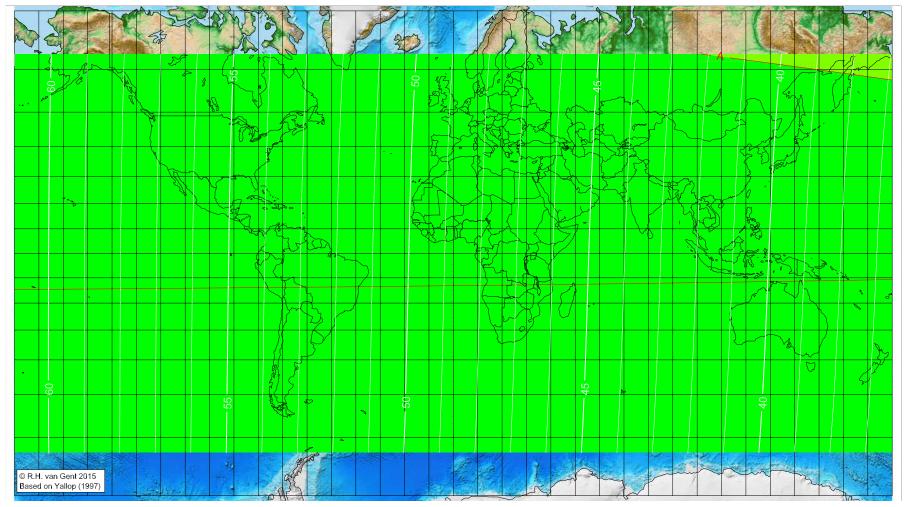
Day after luni-solar conjunction



First visibility lunar crescent for Muharram 1440 AH

Global visibility map for 11 September 2018 [Tuesday]

Second day after luni-solar conjunction



Astronomical New Moon: 9 September 2018, 18h 1.5m (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)

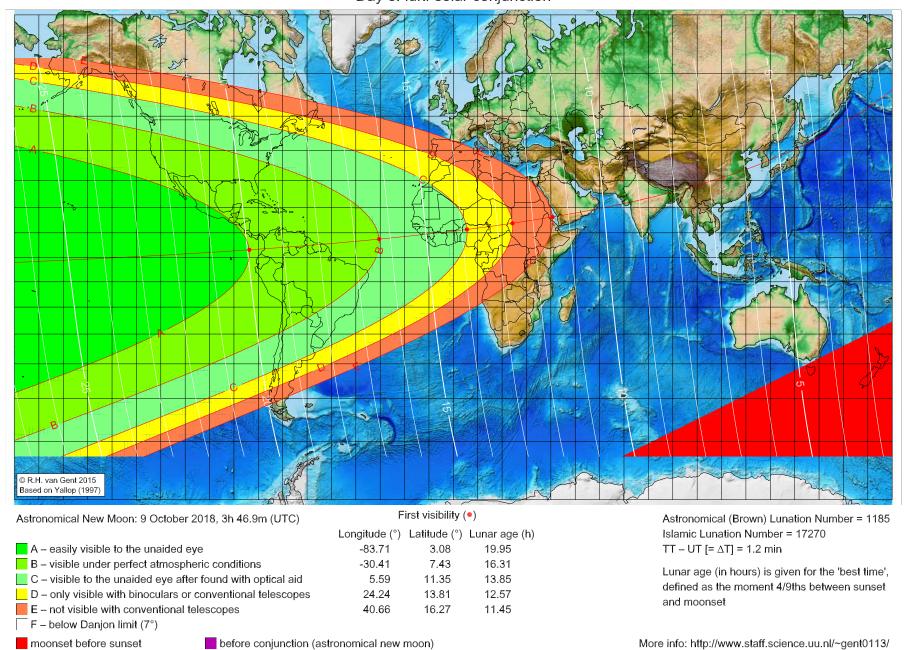
Astronomical (Brown) Lunation Number = 1184 Islamic Lunation Number = 17269 $TT - UT = \Delta T = 1.2 min$

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

First visibility lunar crescent for Şafar 1440 AH

Global visibility map for 9 October 2018 [Tuesday]

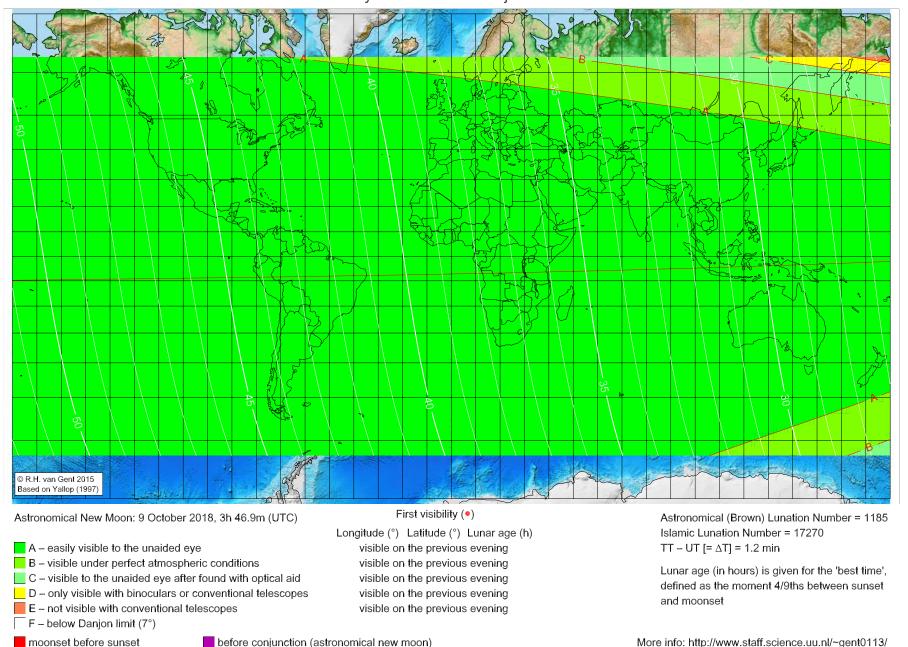
Day of luni-solar conjunction



First visibility lunar crescent for Şafar 1440 AH

Global visibility map for 10 October 2018 [Wednesday]

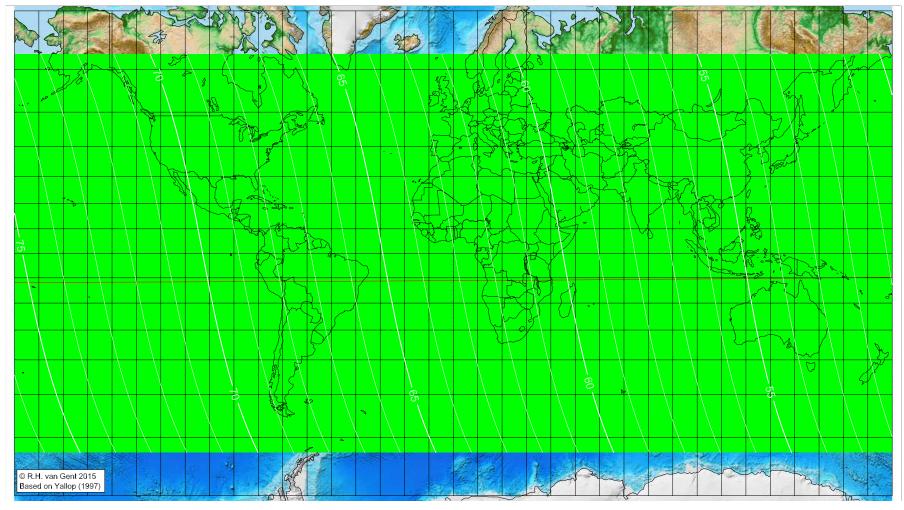
Day after luni-solar conjunction



First visibility lunar crescent for Şafar 1440 AH

Global visibility map for 11 October 2018 [Thursday]

Second day after luni-solar conjunction



Astronomical New Moon: 9 October 2018, 3h 46.9m (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)

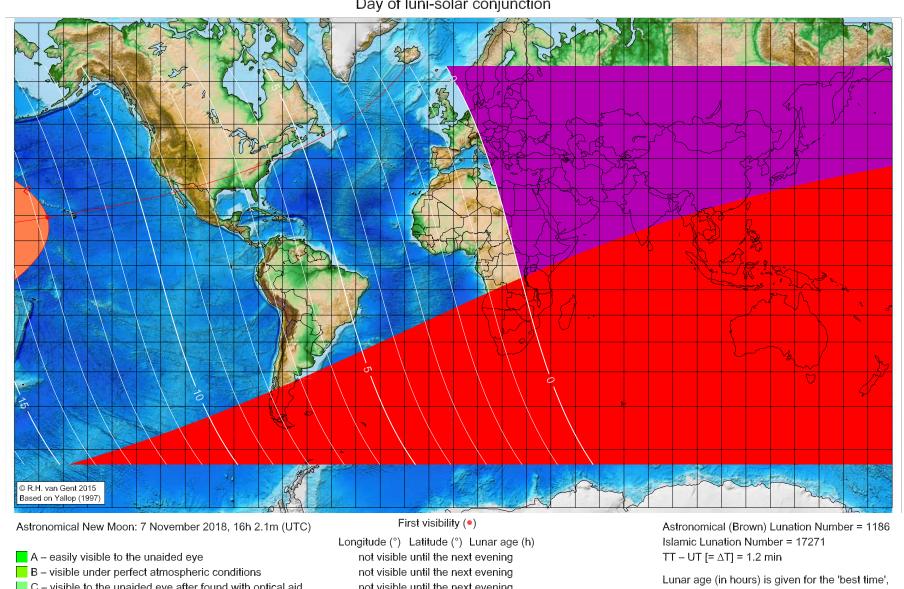
Astronomical (Brown) Lunation Number = 1185 Islamic Lunation Number = 17270 $TT - UT [= \Delta T] = 1.2 min$

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

First visibility lunar crescent for Rabī al-Awwal 1440 AH

Global visibility map for 7 November 2018 [Wednesday]

Day of luni-solar conjunction



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)

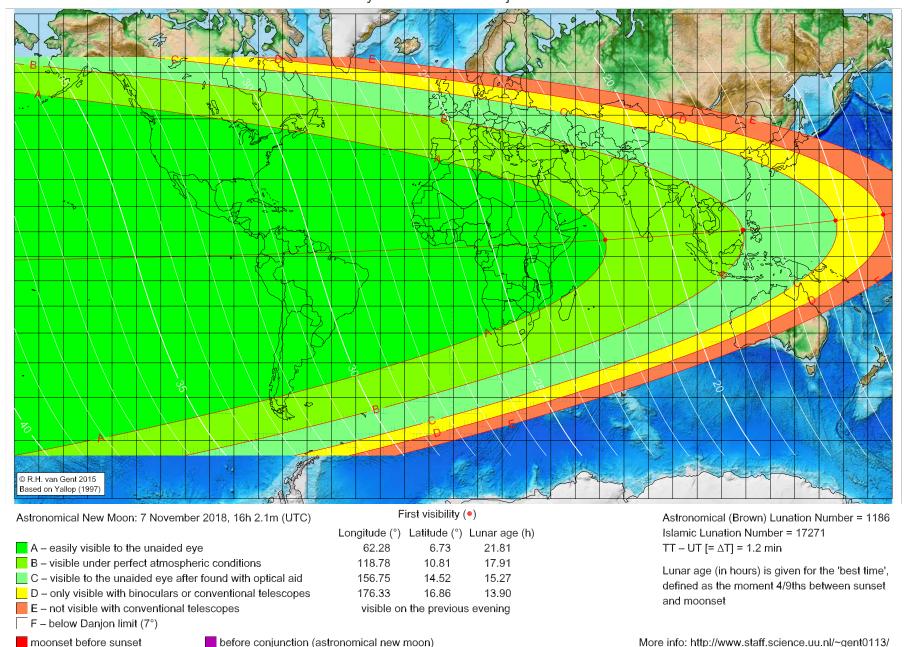
not visible until the next evening not visible until the next evening -166.49 19.21 12.69

defined as the moment 4/9ths between sunset and moonset

First visibility lunar crescent for Rabī al-Awwal 1440 AH

Global visibility map for 8 November 2018 [Thursday]

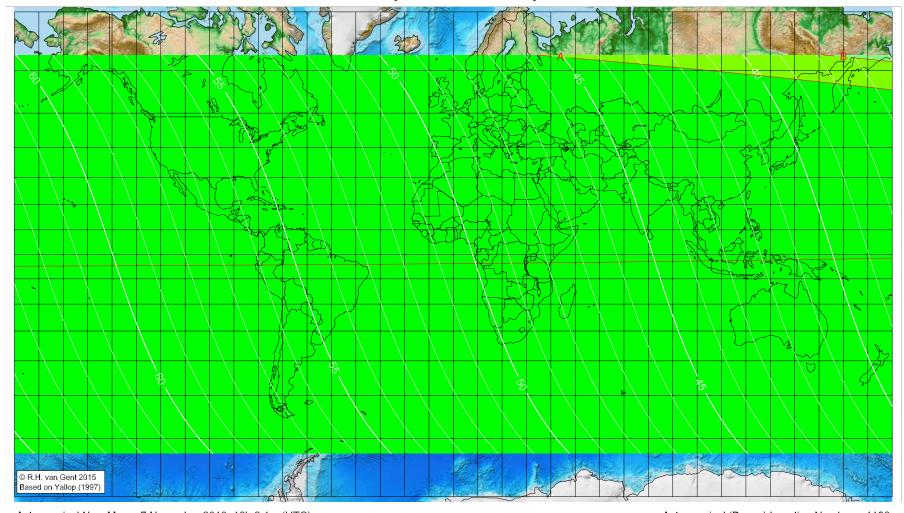
Day after luni-solar conjunction



First visibility lunar crescent for Rabī al-Awwal 1440 AH

Global visibility map for 9 November 2018 [Friday]

Second day after luni-solar conjunction



Astronomical New Moon: 7 November 2018, 16h 2.1m (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

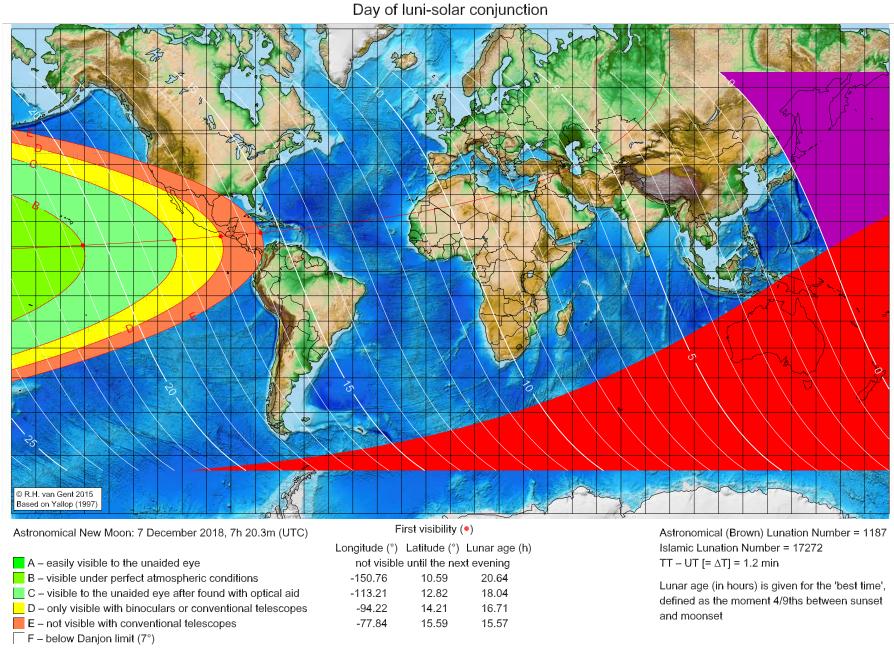
before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1186 Islamic Lunation Number = 17271 TT – UT [= Δ T] = 1.2 min

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

First visibility lunar crescent for Rabī al-Ākhir 1440 AH

Global visibility map for 7 December 2018 [Friday]



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

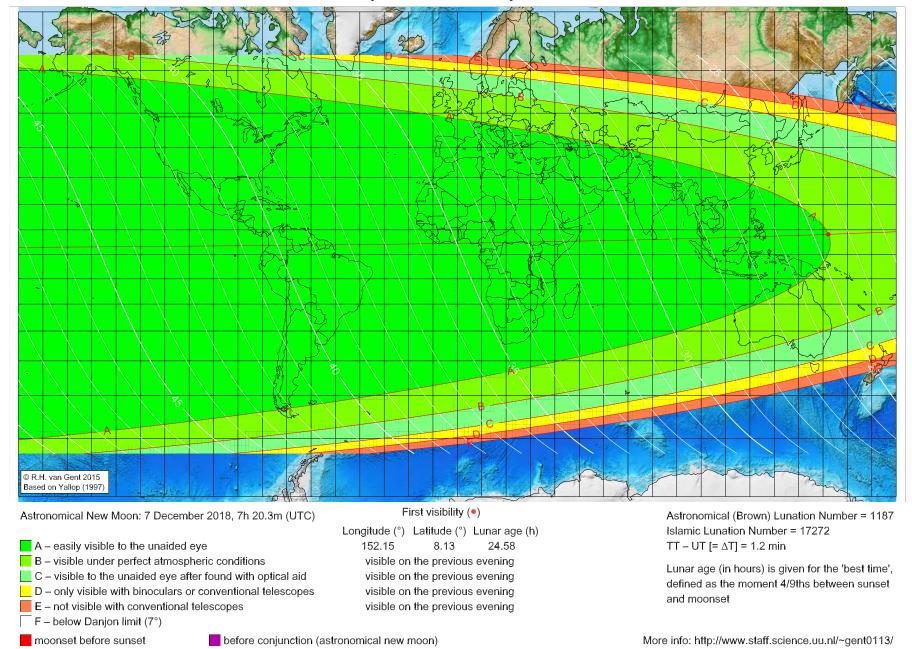
before conjunction (astronomical new moon)

moonset before sunset

First visibility lunar crescent for Rabī al-Ākhir 1440 AH

Global visibility map for 8 December 2018 [Saturday]

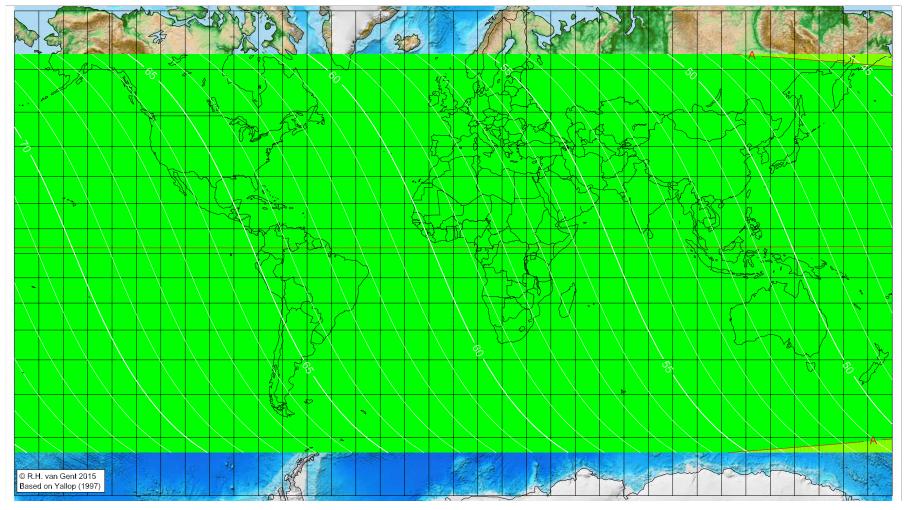
Day after luni-solar conjunction



First visibility lunar crescent for Rabī al-Ākhir 1440 AH

Global visibility map for 9 December 2018 [Sunday]

Second day after luni-solar conjunction



Astronomical New Moon: 7 December 2018, 7h 20.3m (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)

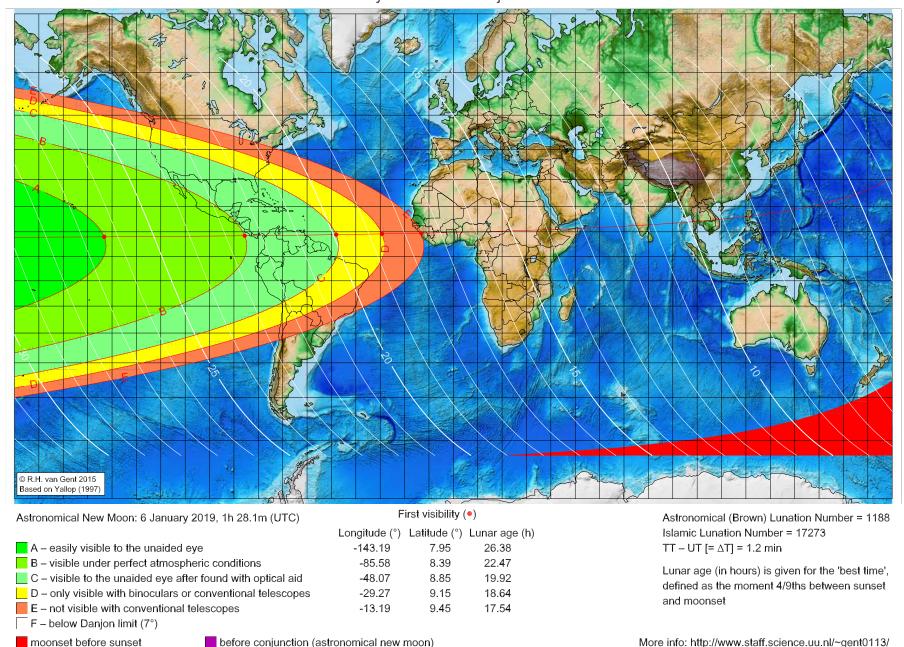
Astronomical (Brown) Lunation Number = 1187 Islamic Lunation Number = 17272 $TT - UT = \Delta T = 1.2 min$

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

First visibility lunar crescent for Jumādā 'I-Ūlā 1440 AH

Global visibility map for 6 January 2019 [Sunday]

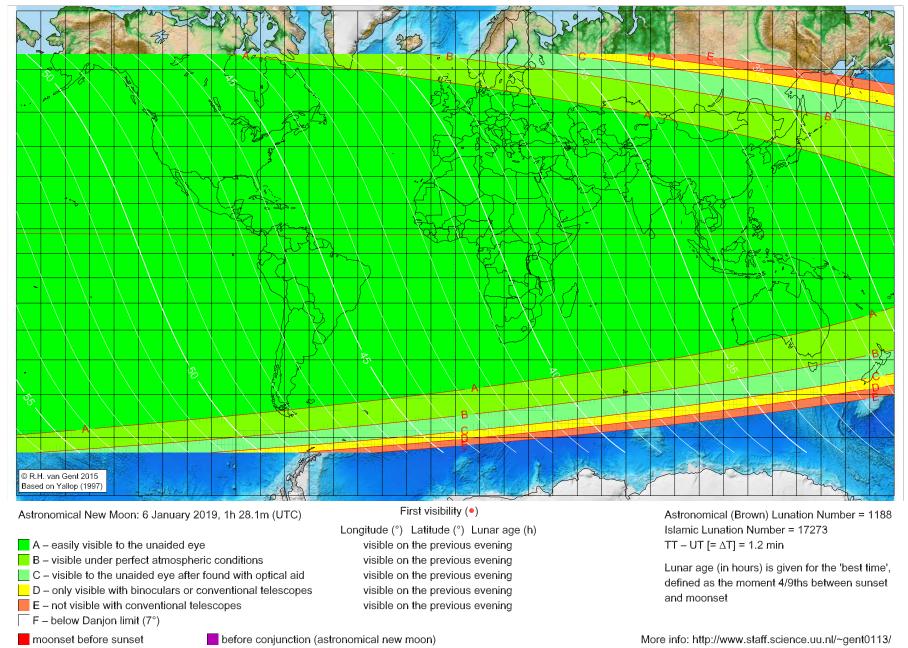
Day of luni-solar conjunction



First visibility lunar crescent for Jumādā 'I-Ūlā 1440 AH

Global visibility map for 7 January 2019 [Monday]

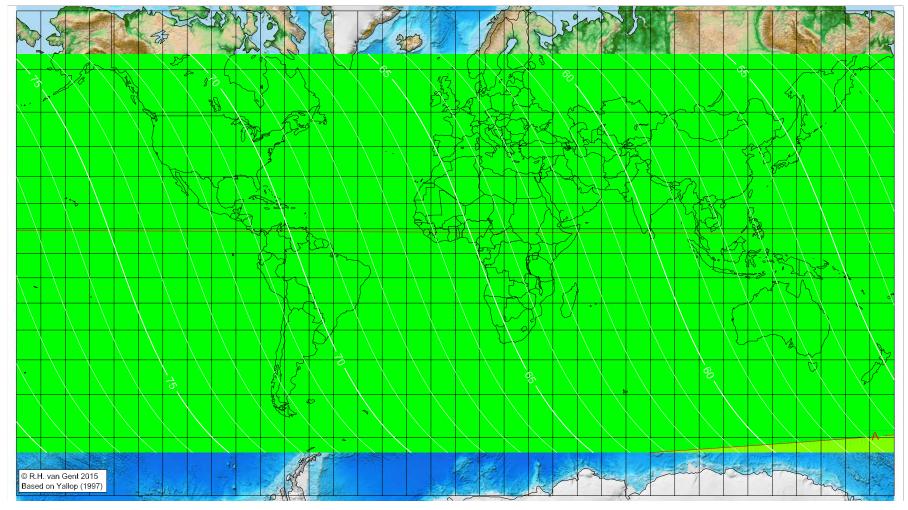
Day after luni-solar conjunction



First visibility lunar crescent for Jumādā 'I-Ūlā 1440 AH

Global visibility map for 8 January 2019 [Tuesday]

Second day after luni-solar conjunction



Astronomical New Moon: 6 January 2019, 1h 28.1m (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 = 1188 Islamic Lunation Number = 17273 $TT - UT [= \Delta T] = 1.2 min$

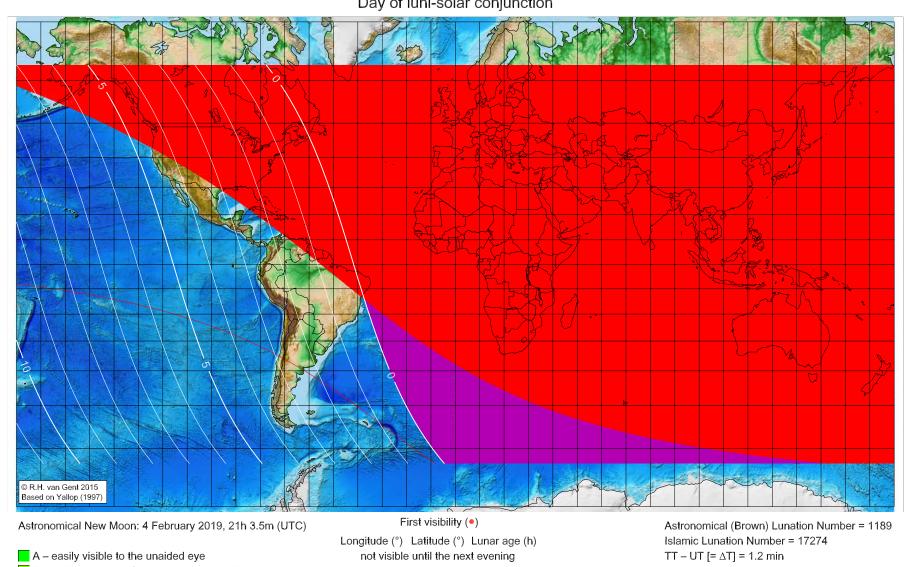
Lunar age (in hours) is given for the 'best time',

defined as the moment 4/9ths between sunset and moonset

First visibility lunar crescent for Jumādā 'I-Ākhira 1440 AH

Global visibility map for 4 February 2019 [Monday]

Day of luni-solar conjunction



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)

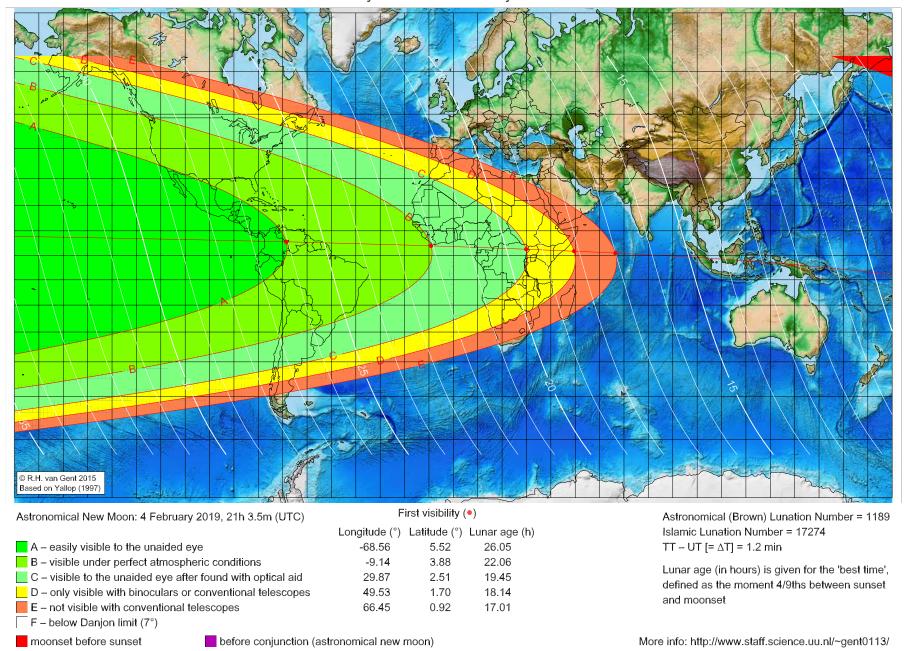
not visible until the next evening not visible until the next evening not visible until the next evening not visible until the next evening

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

First visibility lunar crescent for Jumādā 'I-Ākhira 1440 AH

Global visibility map for 5 February 2019 [Tuesday]

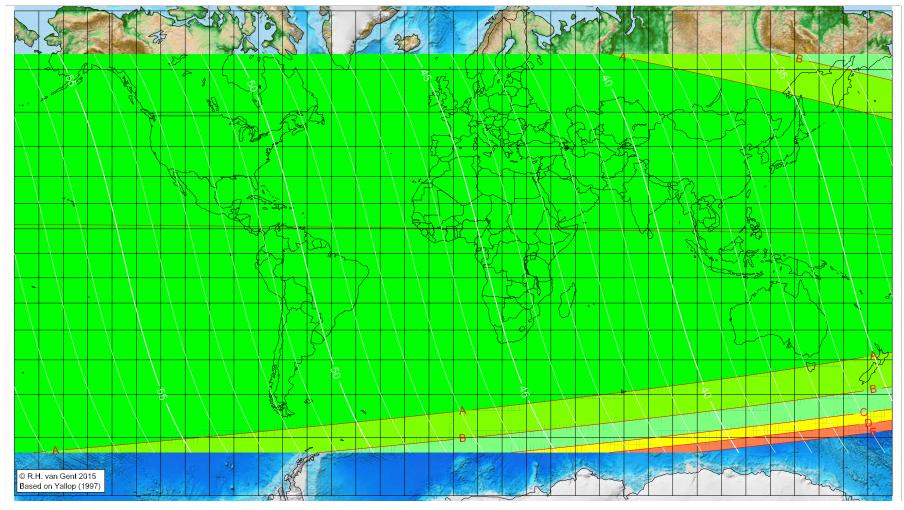
Day after luni-solar conjunction



First visibility lunar crescent for Jumādā 'I-Ākhira 1440 AH

Global visibility map for 6 February 2019 [Wednesday]

Second day after luni-solar conjunction



Astronomical New Moon: 4 February 2019, 21h 3.5m (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

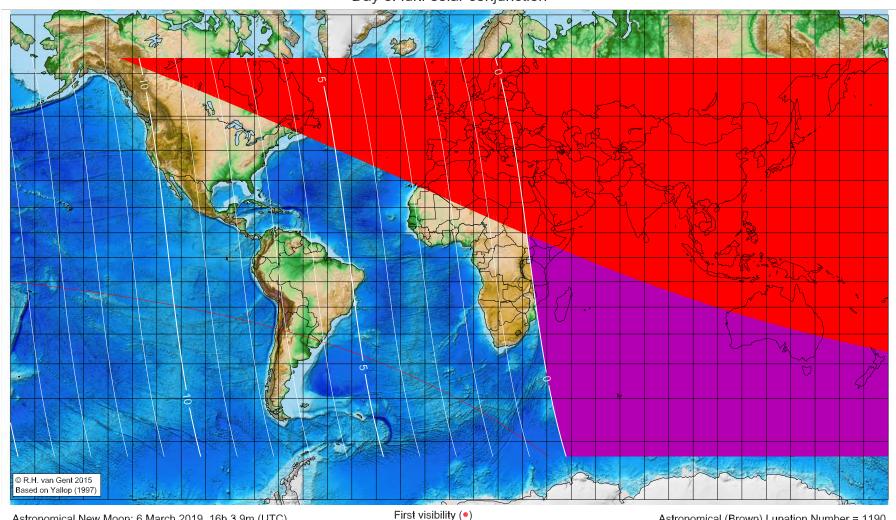
before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1189 Islamic Lunation Number = 17274 $TT - UT [= \Delta T] = 1.2 min$

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

First visibility lunar crescent for Rajab 1440 AH

Global visibility map for 6 March 2019 [Wednesday] Day of luni-solar conjunction



Astronomical New Moon: 6 March 2019, 16h 3.9m (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

Longitude (°) Latitude (°) Lunar age (h) not visible until the next evening not visible until the next evening

before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1190 Islamic Lunation Number = 17275

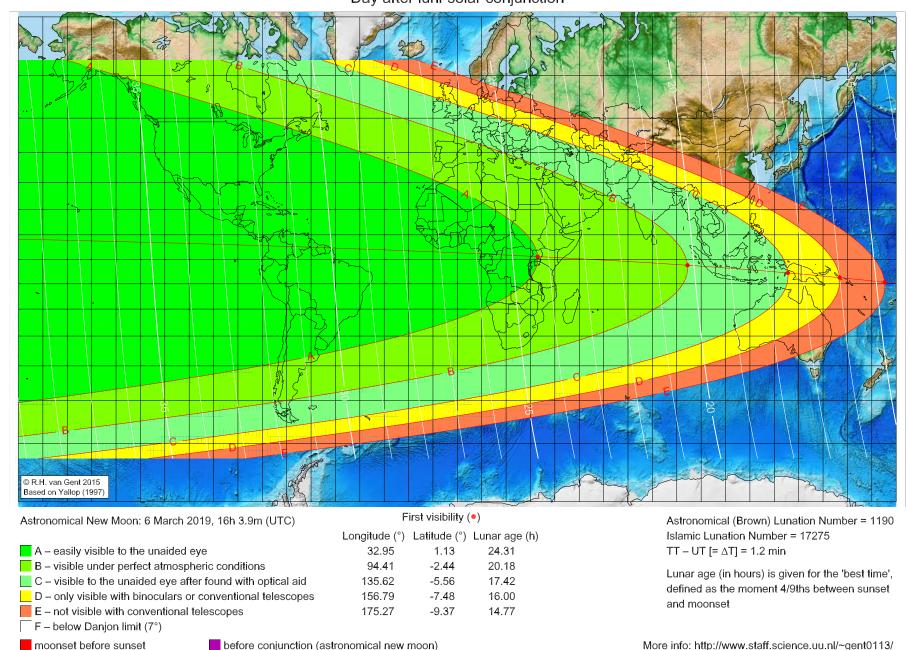
 $TT - UT = \Delta T = 1.2 min$

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

First visibility lunar crescent for Rajab 1440 AH

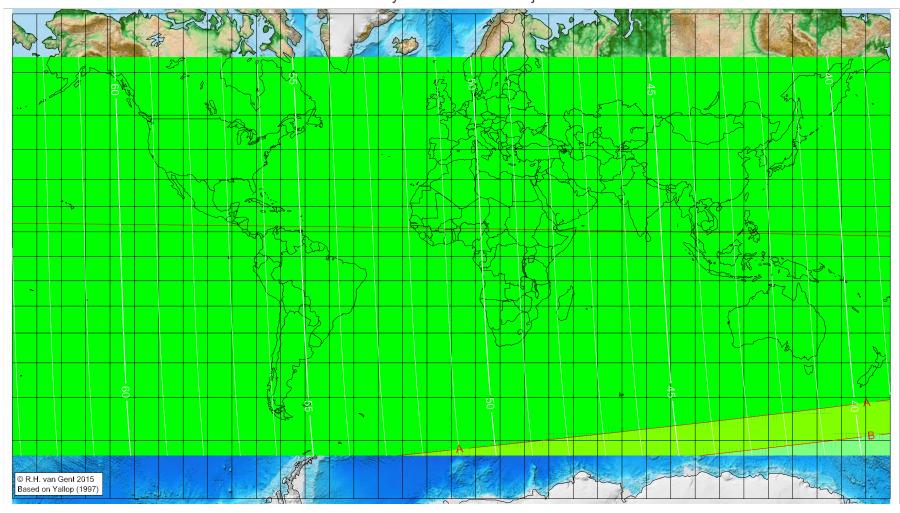
Global visibility map for 7 March 2019 [Thursday]

Day after luni-solar conjunction



First visibility lunar crescent for Rajab 1440 AH

Global visibility map for 8 March 2019 [Friday] Second day after luni-solar conjunction



Astronomical New Moon: 6 March 2019, 16h 3.9m (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)

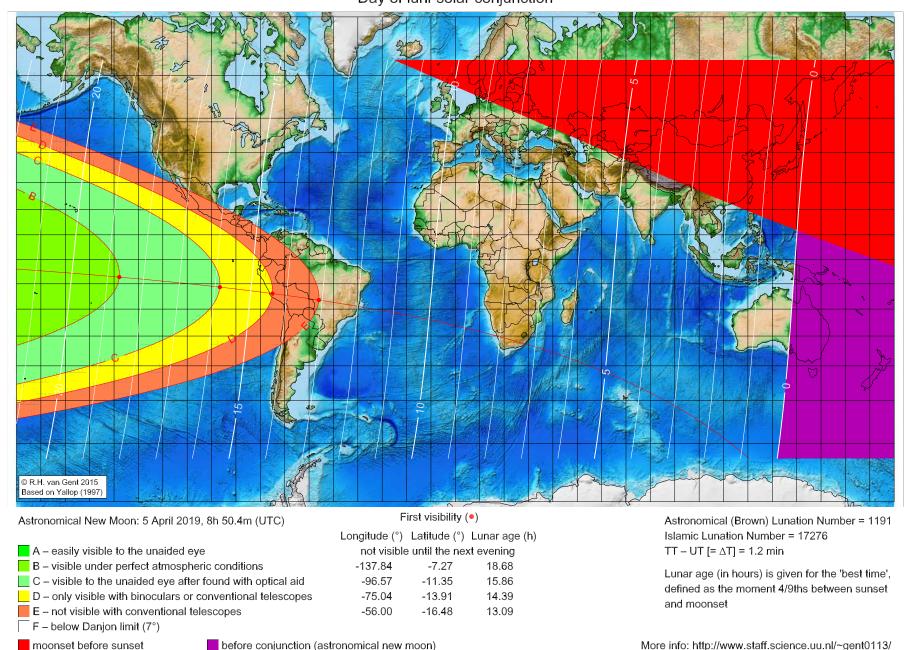
Astronomical (Brown) Lunation Number = 1190 Islamic Lunation Number = 17275 $TT - UT = \Delta T = 1.2 min$

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

First visibility lunar crescent for Sha'bān 1440 AH

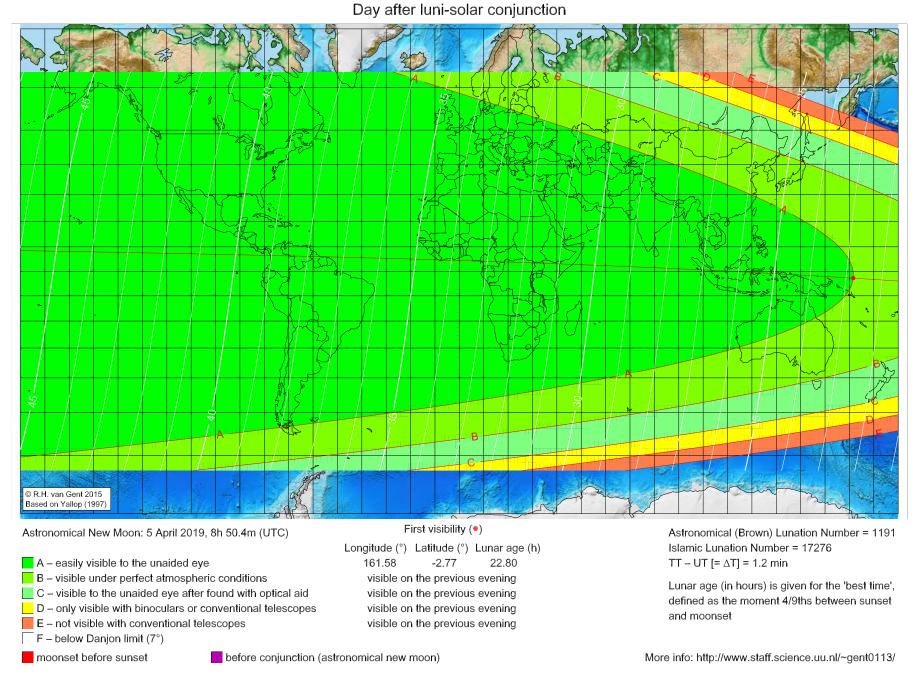
Global visibility map for 5 April 2019 [Friday]

Day of luni-solar conjunction



First visibility lunar crescent for Sha'bān 1440 AH

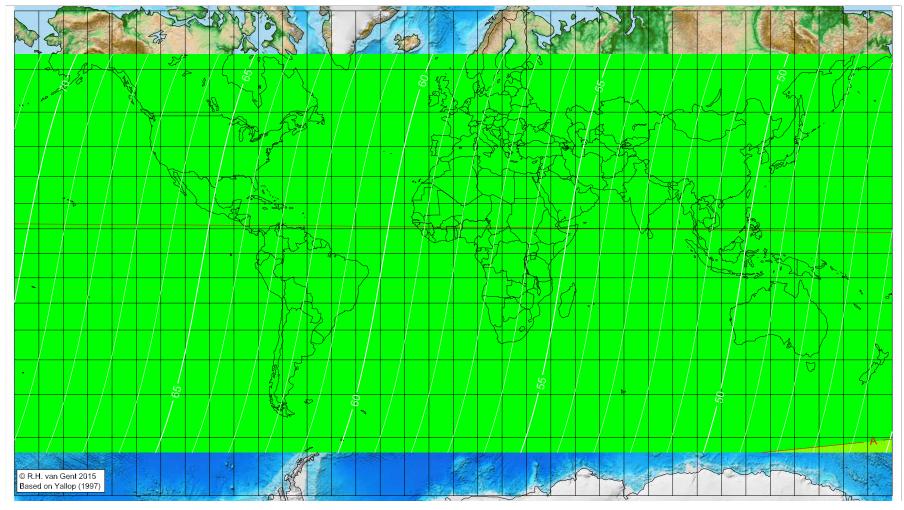
Global visibility map for 6 April 2019 [Saturday]



First visibility lunar crescent for Sha'bān 1440 AH

Global visibility map for 7 April 2019 [Sunday]

Second day after luni-solar conjunction



Astronomical New Moon: 5 April 2019, 8h 50.4m (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°)

moonset before sunset

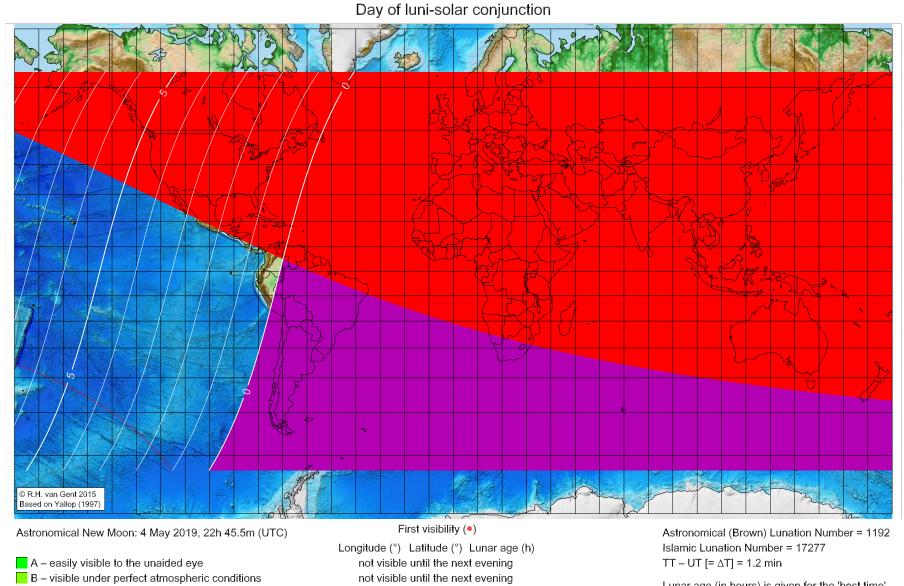
before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1191 Islamic Lunation Number = 17276 $TT - UT = \Delta T = 1.2 min$

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

First visibility lunar crescent for Ramadan 1440 AH

Global visibility map for 4 May 2019 [Saturday]



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

Longitude (°) Latitude (°) Lunar age (h)
not visible until the next evening

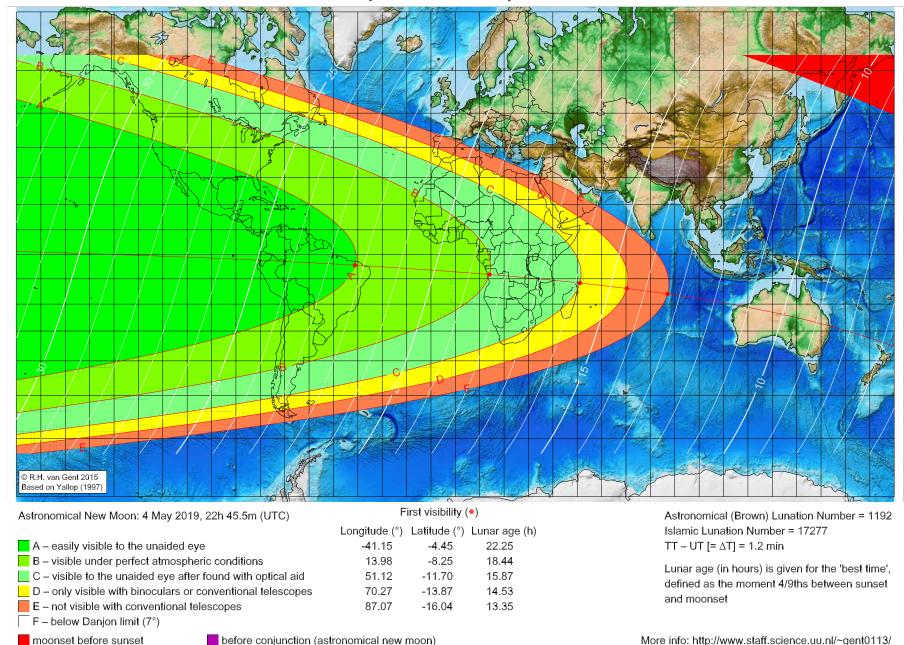
before conjunction (astronomical new moon)

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

First visibility lunar crescent for Ramadan 1440 AH

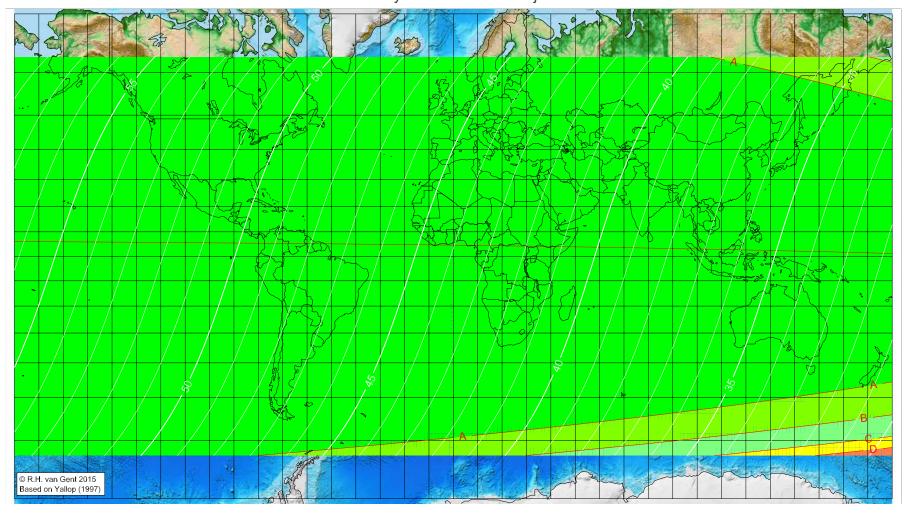
Global visibility map for 5 May 2019 [Sunday]

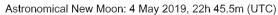
Day after luni-solar conjunction



First visibility lunar crescent for Ramadan 1440 AH

Global visibility map for 6 May 2019 [Monday] Second day after luni-solar conjunction





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)

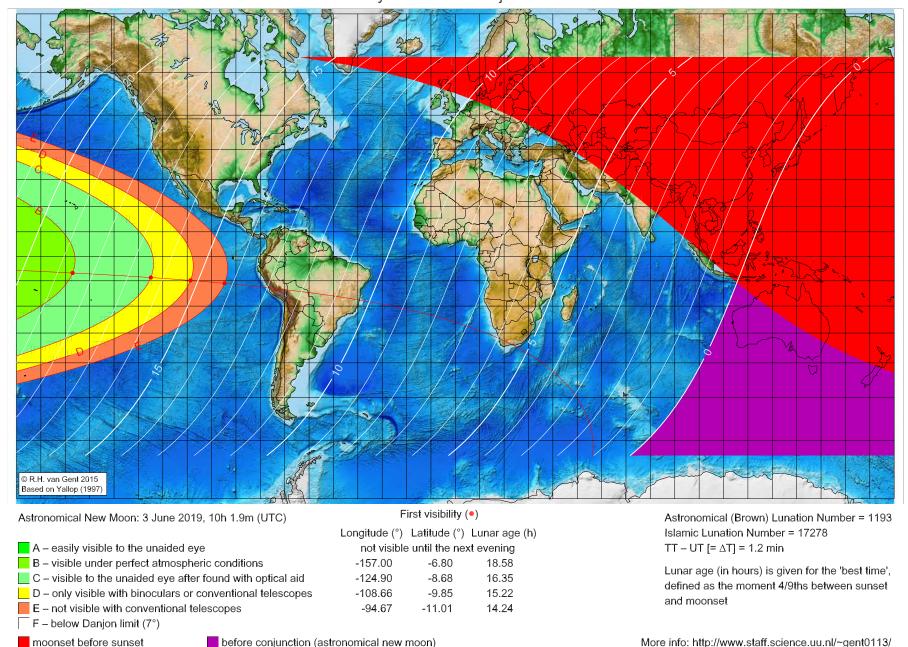
Astronomical (Brown) Lunation Number = 1192 Islamic Lunation Number = 17277 $TT - UT [= \Delta T] = 1.2 min$

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

First visibility lunar crescent for Shawwāl 1440 AH

Global visibility map for 3 June 2019 [Monday]

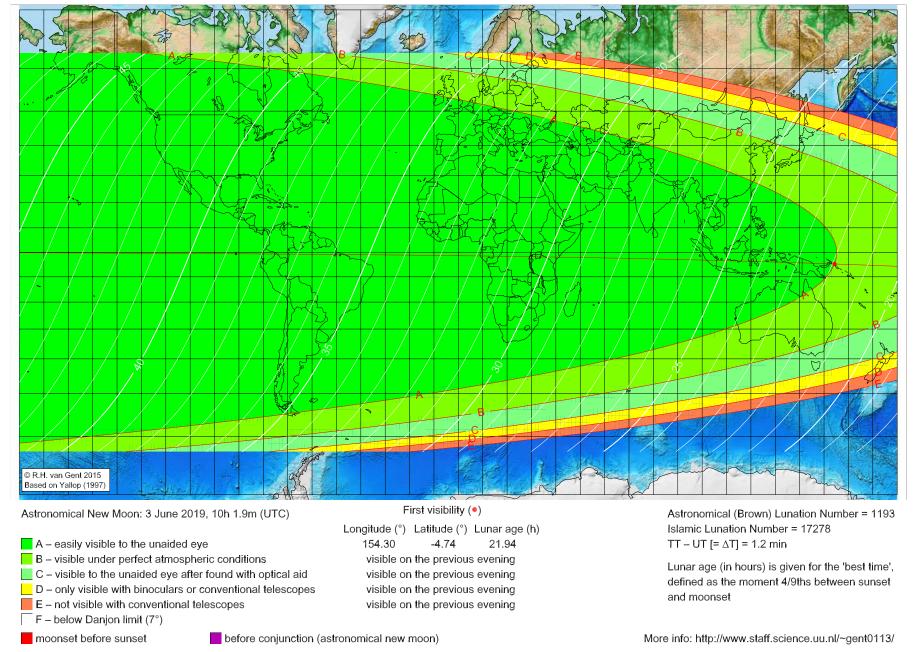
Day of luni-solar conjunction



First visibility lunar crescent for Shawwāl 1440 AH

Global visibility map for 4 June 2019 [Tuesday]

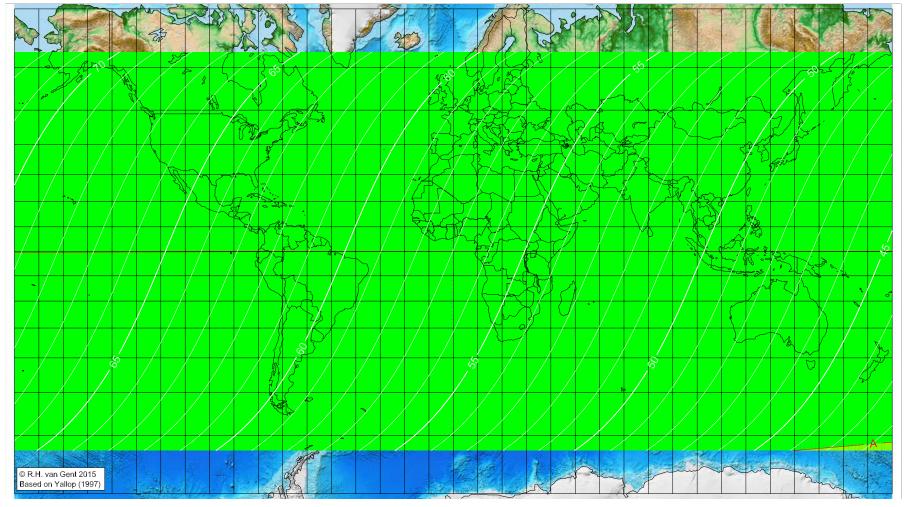
Day after luni-solar conjunction



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)

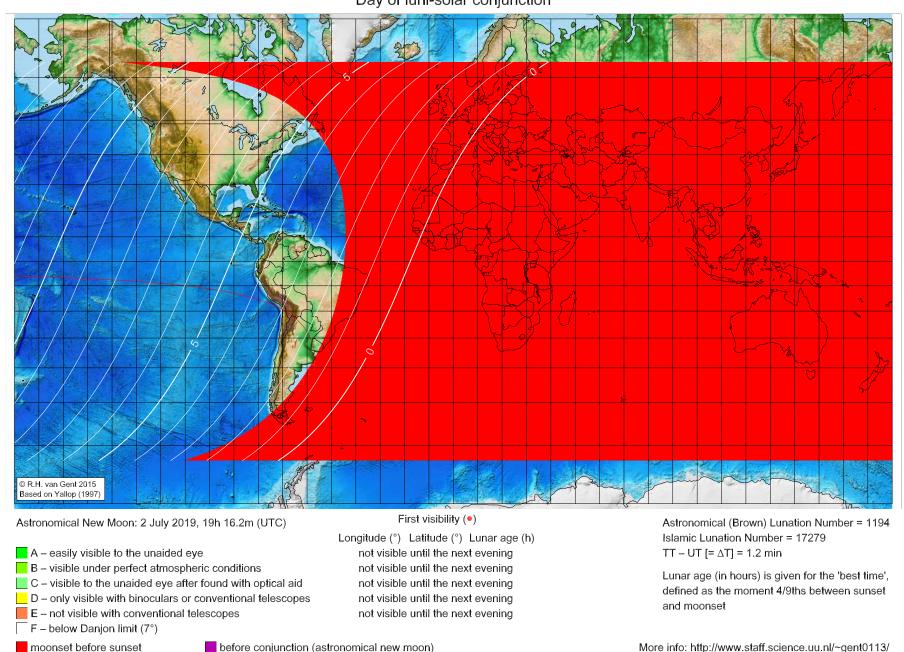
Astronomical (Brown) Lunation Number = 1193 Islamic Lunation Number = 17278 $TT - UT = \Delta T = 1.2 min$

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

First visibility lunar crescent for Dhu 'l-Qa'da 1440 AH

Global visibility map for 2 July 2019 [Tuesday]

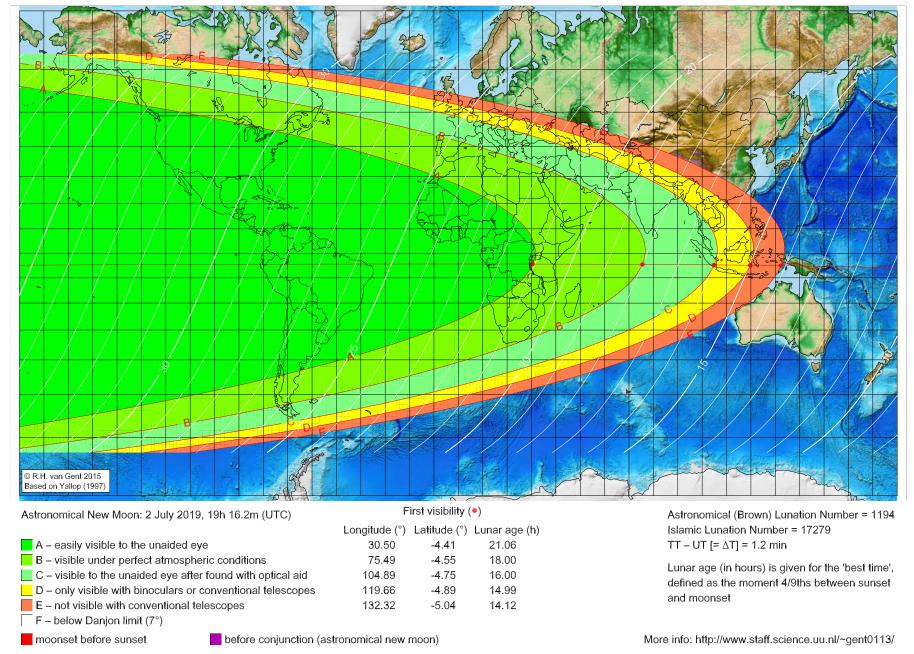
Day of luni-solar conjunction



First visibility lunar crescent for Dhu 'l-Qa'da 1440 AH

Global visibility map for 3 July 2019 [Wednesday]

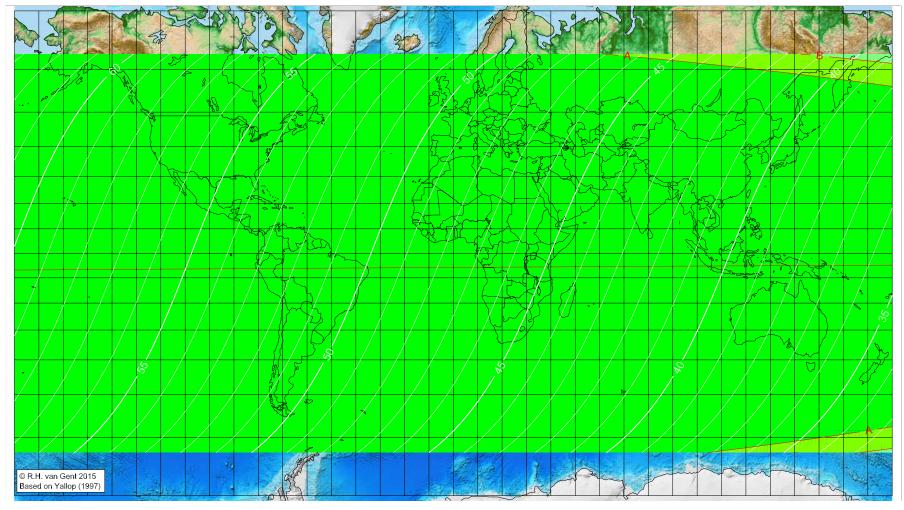
Day after luni-solar conjunction



First visibility lunar crescent for Dhu 'I-Qa'da 1440 AH

Global visibility map for 4 July 2019 [Thursday]

Second day after luni-solar conjunction



Astronomical New Moon: 2 July 2019, 19h 16.2m (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)

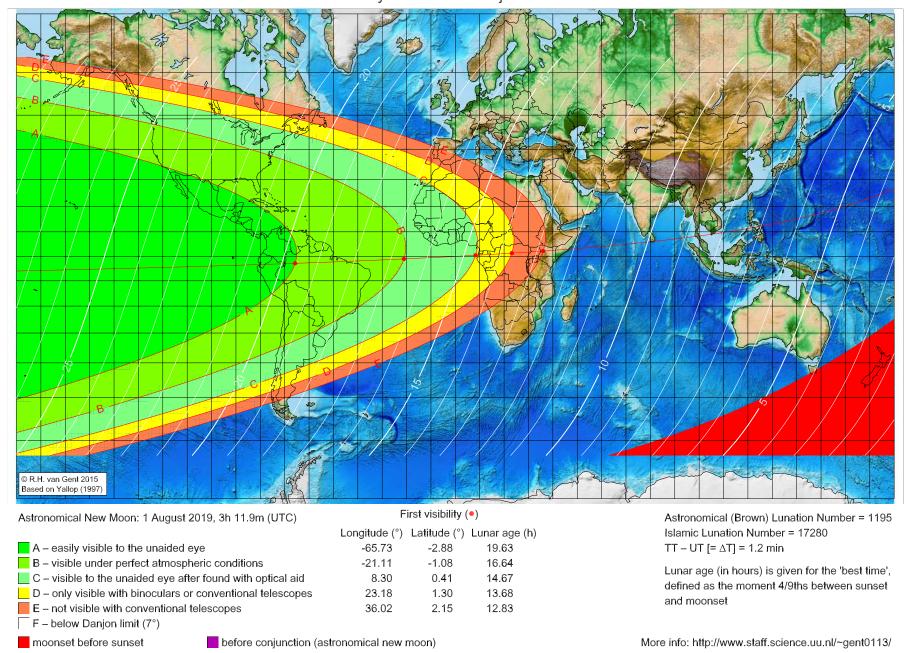
Astronomical (Brown) Lunation Number = 1194 Islamic Lunation Number = 17279 $TT - UT = \Delta T = 1.2 min$

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

First visibility lunar crescent for Dhu 'I-Ḥijja 1440 AH

Global visibility map for 1 August 2019 [Thursday]

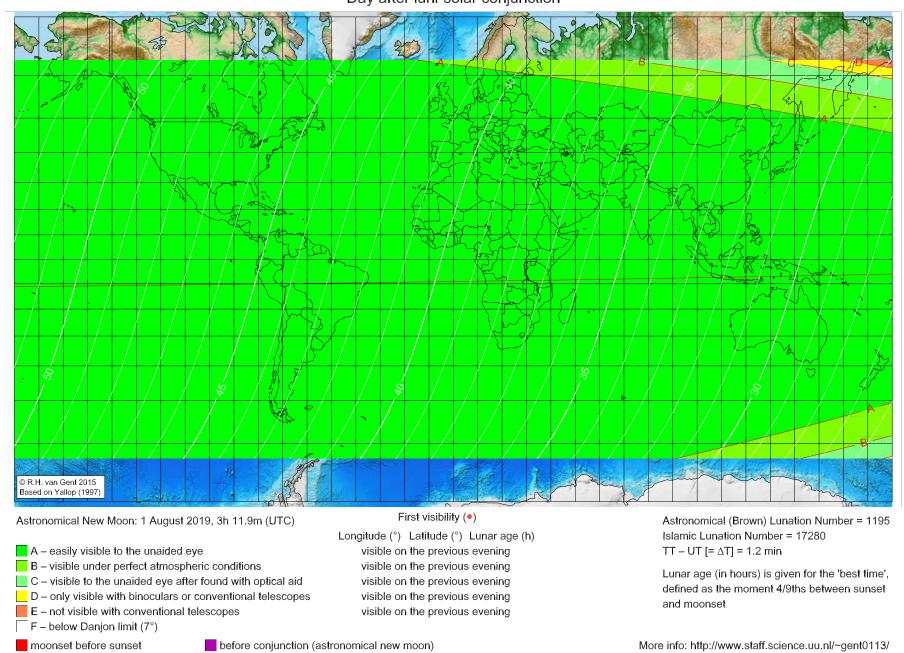
Day of luni-solar conjunction



First visibility lunar crescent for Dhu 'I-Ḥijja 1440 AH

Global visibility map for 2 August 2019 [Friday]

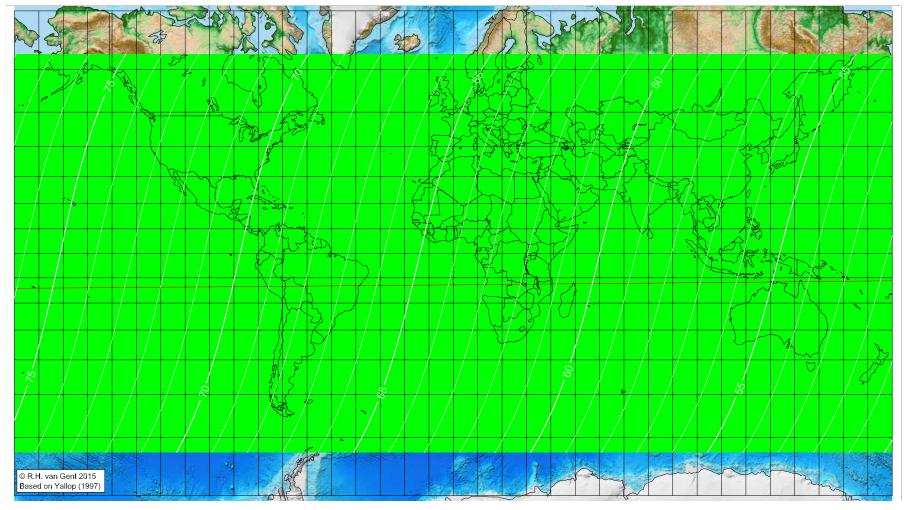
Day after luni-solar conjunction



First visibility lunar crescent for Dhu 'I-Ḥijja 1440 AH

Global visibility map for 3 August 2019 [Saturday]

Second day after luni-solar conjunction



Astronomical New Moon: 1 August 2019, 3h 11.9m (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 = 1195 Islamic Lunation Number = 17280 TT – UT [= Δ T] = 1.2 min

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