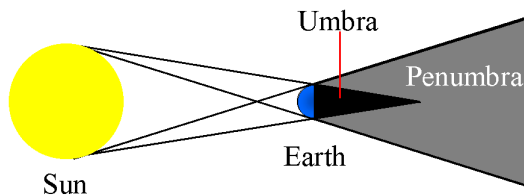


## Total Lunar Eclipse of 2018 July 28 Press Release

### Official Timing For Brunei Darussalam & Circumstances of the Eclipse

Moon enters penumbra: **01:14**  
 Moon enters umbra: **02:24**  
 Start of totality: **03:30**  
 Maximum eclipse: **04:22**  
 End of totality: **05:13**  
 Moon leaves umbra: **06:19\***  
 Moonset: **06:23\***  
 Moon leaves penumbra: **07:28\***

**\*Not visible from Brunei as the moon is very low or below the horizon**



#### Note:

The umbra is the Earth shadow's dark core.  
 Penumbra is the lighter outer part of the shadow.

### Local Duration

The total duration of the partial phases is 2 hours, 12 minutes.

The duration of the full eclipse is 1 hour, 43 minutes, the longest total lunar eclipse of the 21st century.

**Visibility** Worldwide; Much of Europe, Much of Asia, Australia, Africa, South in North America, South America, Pacific, Atlantic, Indian Ocean, Antarctica

### Official Local Observation Site, Time, Organisers

Date: 27<sup>th</sup>/28<sup>th</sup> July 2018 (Fri-Sat)  
 Venue: Taman Mahkota Jubli Emas, Bandar Seri Begawan  
 Time: 7.00 pm (27th) - 5.30 am (28th)  
 Co-Organisers: a. Survey Department of Brunei Darussalam.  
 b. Universiti Islam Sultan Sharif Ali.  
 c. Astronomical Society of Brunei Darussalam.

### Tentative Programme:

7.00 pm: Sky watching and celestial observation for Mars Opposition  
 8:00 pm: Astronomy Talk Session 1  
 8:30 pm: Press Conference I  
 9:00 pm: Astronomy Talk Session 2  
 10:00 pm: Astronomy Talk Session 3  
 1.00 am: Lunar eclipse observation & Livestream  
 3:30 am: Press Conference II  
*Sembahyang Sunat Gerhana*  
 5.30 am: Moon is very close to horizon - end of observation.

**Rarity** It is a relatively rare central eclipse where the moon passes in front of the center of the Earth's shadow. Only 30% of all lunar eclipses are total eclipses. Mars is very close to the eclipsed Moon on July 28 and is easy to see with naked eyes, weather permitting.

**Viewing Lunar Eclipse** It is safe to look at the moon during a total lunar eclipse. The Moon, Earth's natural satellite, will turn a spectacular red or ruddy-brown color during the eclipse. The following instruments will enhance our view of the moon with Binocular, Small telescope and Digital Camera.

### Next Eclipse visible in Brunei:

17 Jul 2019 Partial Lunar Eclipse; 26 Dec 2019 Partial Solar Eclipse