

Partial lunar eclipse in Hong Kong on July 17

A partial lunar eclipse will occur in Hong Kong in the small hours of July 17 (Wednesday). As the elevation of the moon will be rather low during the eclipse, the event will be best observed at places with an unobstructed view to the southwest if weather permits.

The eclipse will begin at 2.42am with the maximum eclipse occurring at 5.31am. This partial lunar eclipse has an umbral magnitude of 0.66, meaning that 66 per cent of the moon's diameter will enter into the umbra (total shadow) of the Earth at the time of the maximum eclipse. Details of the partial lunar eclipse are set out in the following table:

Date	Time	Phenomenon	Elevation	Direction (Azimuth)
July 16 (Tuesday)	6.47pm	Moonrise	-1 degree	East-southeast (114 degrees)
July 17 (Wednesday)	2.42am	Moon enters penumbra	34 degrees	Southwest (220 degrees)
	4.01am	Moon enters umbra	21 degrees	Southwest (233 degrees)
	5.31am	Maximum eclipse	4 degrees	West-southwest (244 degrees)
	5.49am	Sunrise	-1 degree	East-northeast (67 degrees)
	5.52am	Moonset	-1 degree	West-southwest (246 degrees)
	7.00am	Moon leaves umbra	Below the horizon	—
	8.19am	Moon leaves penumbra	Below the horizon	—

Members of the public can watch the whole event via a webcast to be jointly provided by the Hong Kong Observatory, the Hong Kong Space Museum, the Ho Koon Nature Education cum Astronomical Centre, the Po Leung Kuk Ngan Po Ling College and the Hong Kong Sheng Kung Hui Solar Tower's Camp on the following webpage: www.hko.gov.hk/gts/event/webcast-20190717.htm.

For the latest weather conditions and the astronomical observation conditions on July 17, please refer to the 9-day weather forecast issued by the Hong Kong Observatory (www.hko.gov.hk/wxinfo/currwx/fnd.htm) and the Weather Information for Astronomical Observation webpage (www.hko.gov.hk/gts/astronomy/astro_portal.html).

The next lunar eclipse observable in Hong Kong will occur on January 11, 2020. It will be a penumbral lunar eclipse.