

Penumbral lunar eclipse in Hong Kong on January 11

A penumbral lunar eclipse will occur in Hong Kong in the small hours of January 11 (Saturday). As the elevation of the moon will be rather high during the eclipse, the event can be best observed at most places with an unobstructed view towards the west to northwest if weather permits.

The eclipse will begin at 1.05am and end at 5.15am, with the maximum eclipse occurring at 3.10am. A penumbral lunar eclipse occurs when the moon only enters the penumbra of the Earth but not the umbra. During the event, the moon will become slightly dimmer.

Details of the penumbral lunar eclipse are set out in the following table:

Date	Time	Phenomenon	Elevation	Direction (Azimuth)
January 10 (Friday)	5.28pm	Moonrise	-1 degree	East-northeast (65 degrees)
January 11 (Saturday)	1.05am	Moon enters penumbra	81 degrees	West (277 degrees)
	3.10am	Maximum eclipse	53 degrees	West (279 degrees)
	5.15am	Moon leaves penumbra	26 degrees	West-northwest (286 degrees)
	7.05am	Sunrise	-1 degree	East-southeast (113 degrees)
	7.20am	Moonset	-1 degree	West-northwest (295 degrees)

For the latest weather conditions and the astronomical observation conditions on January 11, please refer to the nine-day weather forecast issued by the Hong Kong Observatory (www.hko.gov.hk/en/wxinfo/currwx/fnd.htm) and the Weather Information for Astronomical Observation webpage (www.hko.gov.hk/en/gts/astronomy/astro_portal.html).

The next lunar eclipse observable in Hong Kong will occur on June 6 this year. It will be a penumbral lunar eclipse.