

In conjunction with Partial Lunar Eclipse, National Space Agency (ANGKASA) will organize a Partial Lunar Eclipse Program at the National Planetarium Kuala Lumpur from 12 until 17 August 2008. *Persatuan Falak Syari Malaysia, Falak Online, Unit Falak Syarie Pejabat Mufti Wilayah Persekutuan, Starhunter Astronomy Society and Star Finder Astronomy Society* also take part. The tentative program is as below:

**PARTIAL LUNAR ECLIPSE DAILY PROGRAM
12 - 17 AUGUST 2008
10:00 AM - 4:00 PM**

Time	Activity	Target	Location
10:00am – 12:00pm	Poster Drawing “Wonders of the Universe” Contest	8 – 11 years old	Activity Room National Planetarium
2:30pm – 4:00pm	Membina Model Lunar Prospector	8 – 12 years old	Activity Room National Planetarium

**MOON, JUPITER & PARTIAL LUNAR ECLIPSE OBSERVATION PROGRAM
16 - 17 AUGUST 2008
10:00 PM - 7:00 AM**

Time	Activity	Location
10:00pm – 7:00am	Moon Observation	National Planetarium
10:00pm – 3:00am	Jupiter Observation	National Planetarium
10:00pm – 2:00am	Creative Lunar Eclipse	Activity Room National Planetarium
10:00pm – 7:00am	Visit to Exhibition Gallery	Exhibition Gallery
10:30pm	Live Lecture Astronomy Talk Astronomy Quiz	Space Theater
1:00am	Talk “Preparation for Solar Eclipse 2009” by <i>Persatuan Falak Syari Malaysia & Falak Online</i>	Space Theater
11:00pm, 12:00am, 2:00am	“Moon Dreams” Show	Mini Planetarium
6:00am	“Solat Sunat Gerhana & Solat Subuh Berjemaah”	VIP Lobby
Partial Lunar Eclipse Observation		
2:25am	Moon start passing “Penumbra”	National Planetarium
3:36am	Moon start passing “Umbra”	National Planetarium
5:10am	Moon partially blocked by “Umbra”	National Planetarium
6:44am	Moon totally leaves “Umbra”	National Planetarium
7:00am	Dismiss	

Watch the live web cast Partial Lunar Eclipse in the early morning of 17 August 2008 at www.angkasa.gov.my/planetarium

**Partial Lunar Eclipse
17 August 2008**

On 17th August 2008, we will have the opportunity to observe a partial lunar eclipse from 2.25 a.m. until 6.29 a.m. In general, lunar eclipse will occur when Moon passes Earth’s shadow during full Moon. Phases of partial lunar eclipse seen as in diagram 2 and its related explanation are at table1.

The eclipse will start at 2.25 a.m. when the Moon start passing the penumbral shadow of the Earth (P1). But most observers will not be able to visually detect the eclipse since penumbral shadow is less dark.

The eclipse can only be observed when the Moon start passing umbra (U1) at 3:36 a.m. until maximum phase at 5:10 a.m. The Moon will totally leave the Earth’s umbra shadow (U4) at 6:44 a.m. The eclipse can only be observed until 6:29 a.m. when the Moon set at 6:29 a.m. at Peninsular Malaysia.

Residents of Peninsular Malaysia will have the opportunity to observe Partial Lunar Eclipse from penumbra phase (P1) until umbra phase (U4) meanwhile residents of Sabah and Sarawak only have opportunity to observe from penumbra phase (P1) until maximum phase only as time for Moon rise and set are different according the location. (Refer to Table 1 and 2)

Table 1 : Data on the Partial Lunar Eclipse on 17th August 2008

Phase	Remarks	Time
P1	Moon start passing “Penumbra”	02:25 a.m.
U1	Moon start passing “Umbra”	03:36 a.m.
Maksimum	Moon partially blocked by “Umbra”	05:10 a.m.
U4	Moon totally leaves “Umbra”	06:44 a.m.
P4	Moon start leaving “Penumbra”	07:55 a.m.

Table 2 : Moon Rise and Set Data at Malaysia

Location	Time Moon Rise (16 August 2008)	Time Moon Set (17 August 2008)
Peninsular	07:01 p.m.	06:29 a.m.
Sabah	05:55 p.m.	05:19 a.m.
Sarawak	06:06 p.m.	05:29 a.m.