2018 ECLIPSES
Climate Data Processing Centre/PMD

There will be Five Eclipses, two Lunar (of the Moon) and three Solar (of the Sun) during the year 2018.

1. **Total Eclipse of Moon on 31st January, 2018** (Visible at Moonrise time in Pakistan)
It will be visible in large parts of US, northeastern Europe, Russia, Asia, the Indian Ocean, the Pacific, and Australia. In Pakistan, it will be visible at moonrise time. The total phase of this lunar eclipse, also known as a Blood Moon.

   Penumbral Eclipse begins 15-51 PST
   Partial Eclipse begins 16-48 PST
   Total Eclipse begins 17-52 PST
   Greatest Eclipse 18-31 PST
   Total Eclipse ends 19-08 PST
   Partial Eclipse ends 20-11 PST
   Penumbral Eclipse ends 21-08 PST

   Penumbral magnitude=2.2941
   Umbral magnitude=1.3155

2. **Partial Eclipse of Sun on 15th /16th February, 2018** (Not visible in Pakistan)
It will be visible from South in South America, Pacific, Atlantic and Antarctica.

   Partial Eclipse begins 00-36 PST (on 15th February, 2018)
   Greatest Eclipse 01-31 PST (on 16th February, 2018)
   Partial Eclipse ends 03-47 PST (on 16th February, 2018)

   Eclipse magnitude=0.5986

3. **Partial Eclipse of Sun on Friday 13th July, 2018** (Not Visible in Pakistan)
It is visible from the South in Australia, Pacific, Indian Ocean.

   Partial Eclipse begins 06-48 PST
   Greatest Eclipse 08-01 PST
   Partial Eclipse ends 09-14 PST

   Eclipse Magnitude=0.3367

4. **Total Eclipse of Moon on Friday/Saturday, 27th /28th July, 2018** (Visible in Pakistan)
It will be visible from Much of Europe, Much of Asia, Australia, Africa, South in North America, South America, Pacific, Atlantic, Indian Ocean and Antarctica. In Pakistan, all phases are visible.

   Penumbral Eclipse begins 22-15 PST (on 27th July, 2018)
   Partial Eclipse begins 23-24 PST (on 27th July, 2018)
   Total Eclipse begins 00-30 PST (on 28th July, 2018)
   Greatest Eclipse 01-23 PST (on 28th July, 2018)
   Total Eclipse ends 02-13 PST (on 28th July, 2018)
   Partial Eclipse ends 03-19 PST (on 28th July, 2018)
   Penumbral Eclipse ends 04-29 PST (on 28th July, 2018)

   Penumbral Magnitude=2.6792
   Umbral Magnitude=1.6087

5. **Partial Eclipse of Sun on Saturday 11th August, 2018** (Not Visible in Pakistan)
It will be visible from the North/East Europe, North/West Asia, North in North America, Atlantic and Arctic.

   Partial Eclipse begins 13-02 PST
   Greatest Eclipse 14-46 PST
   Partial Eclipse ends 16-31 PST

   Eclipse Magnitude=0.7361