

ECLIPSES DURING THE YEAR 2014 A.D

There will be four eclipses, two Lunar (of the Moon) and two Solar (of the Sun) during the year 2014 A.D.

1. Total Eclipse Of Moon On Tuesday, 15th April, 2014. (Not Visible in Pakistan)

It is visible from the Americas, the eastern and central Pacific Ocean region, New Zealand, eastern Australia and the eastern tip of Russia.

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|--------------------------|-----------|
| Penumbral eclipse begins | 09-54 PST |
| Partial eclipse begins | 10-58 PST |
| Total eclipse begins | 12-07 PST |
| Greatest eclipse | 12-46 PST |
| Total eclipse ends | 13-25 PST |
| Partial eclipse ends | 14-33 PST |
| Penumbral eclipse ends | 15-38 PST |

Penumbral magnitude=2.3183

Umbral magnitude=1.2907

2. Annular Eclipse Of Sun On Tuesday 29th April, 2014. (Not visible in Pakistan)

Annular Eclipse will be visible from Southern Indian Ocean, the Southern edge of Indonesia and all of Australia. .

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|-----------------------|-----------|
| Eclipse begins | 08-53 PST |
| Annular phases begins | 10-58 PST |
| Greatest Eclipse | 11-05 PST |
| Annular phases ends | 11-10 PST |
| Eclipse ends | 13-14 PST |

Eclipse magnitude=0.9868

3. Total Eclipse Of Moon On Wednesday 08th October, 2014.

(Some phases visible in Pakistan)

It is visible from North America and most part of Western South America, the Pacific Ocean, Australasia and the eastern half of Asia. It some phases will be visible in Pakistan at moonrise time. The time of the major eclipse phases are listed below.

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|--------------------------|-----------|
| Penumbral eclipse begins | 13-16 PST |
| Partial eclipse begins | 14-15 PST |
| Total eclipse begins | 15-25 PST |
| Greatest eclipse | 15-55 PST |
| Total eclipse ends | 16-24 PST |
| Partial eclipse ends | 17-34 PST |
| Penumbral eclipse ends | 18-34 PST |

Penumbral Magnitude= 2.1456

Umbral Magnitude= 1.1659

4. Partial Eclipse Of Sun On Friday 24th October, 2014. (Not visible in Pakistan)

It will be visible from the eastern half of USA and Canada.

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|------------------|-----------|
| Eclipse begins | 00-38 PST |
| Greatest eclipse | 02-46 PST |
| Eclipse ends | 04-52 PST |

Eclipse magnitude=0.8114