# **2023 ECLIPSES**

#### **Climate Data Processing Centre/PMD**

There will be four Eclipses, two Lunar (Moon) and two Solar (Sun) during the year 2023.

# 1. <u>Total Eclipse Of Sun On, 20<sup>th</sup> April, 202</u>3 (Not Visible in Pakistan)

The path of totality passes over North West Cape, a remote peninsula of Western Australia. Partially it will be visible in South/East Asia, Australia, Pacific, Indian Ocean and Antarctica.

06-34 PST 07-37 PST 09-17 PST 10-57 PST 11-59 PST

### 2. Penumbral Eclipse Of Moon On, 05th and 06th May, 2023 (Visible in Pakistan)

It will be visible from South/East Europe, Much of Asia, Australia, Africa, Pacific, Atlantic, Indian Ocean, and Antarctica.

Penumbral Eclipse begins Greatest Eclipse Penumbral Eclipse ends 20-14 PST on 05<sup>th</sup> May 22-23 PST on 05<sup>th</sup> May 00-32 PST on 06<sup>th</sup> May

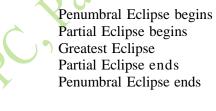
## 3. <u>Annular Eclipse Of Sun On, 14<sup>th</sup> and 15<sup>th</sup> October, 2023 (Not Visible in Pakistan)</u>

The eclipse will be visible in parts of the Yucatán peninsula in southwestern Mexico and several Central American countries, including Belize, Honduras, and Panama. It will then sweep across central Colombia and a large stretch of northern Brazil before coming to an end in the Atlantic Ocean, just off Natal Brazil.

Partial Eclipse begins Total Eclipse begins Greatest Eclipse Total Eclipse ends Partial Eclipse ends 20-04PST on14th October 21-10 PST on14th October 22-59PST on14th October 00-49 PST on15th October 01-55PST on15th October

#### 4. Partial Eclipse Of Moon On, 28<sup>th</sup> and 29<sup>th</sup> October, 2023 (Visible in Pakistan)

It will be visible from Europe, Asia, Australia, Africa, North America, North/East South America, Pacific, Atlantic, Indian Ocean, Arctic and Antarctica.



23-02 PST on 28<sup>th</sup> October 00-35 PST on 29<sup>th</sup> October 01-14 PST on 29<sup>th</sup> October 01-53 PST on 29<sup>th</sup> October 03-26 PST on 29<sup>th</sup> October

Climate Data Processing Center Pakistan Meteorological Department, <u>info.cdpc@pmd.gov.pk</u> 15<sup>th</sup> November, 2022 <u>http://www.pmd.gov.pk/cdpc/eclipses-2023.pdf</u>