<u>2017 ECLIPSES</u>

Climate Data Processing Centre/PMD

There will be four eclipses, two Lunar (of the Moon) and two Solar (of the Sun) during the year 2017.

1. Penumbral Eclipse Of Moon On Saturday, 11th February, 2017. (Visible at Moonset time in Pakistan) It will be visible from Americas, Europe, Africa and Asia. In Pakistan, It will be visible at moonset time. The beginning and end of a penumbral eclipse are not visible to the eye. Penumbral eclipse begins 03-34 PST Greatest eclipse 05-44 PST Penumbral eclipse ends 07-53 PST Penumbral magnitude=0.9884 Umbral magnitude= -0.0354 2. Annular Eclipse Of Sun On Sunday, 26th February, 2017. (Not visible in Pa An annular eclipse will be visible from South America, Atlantic, Africa and Antarctica. An Annular Phases will be visible from Pacific, Chile, Argentina, Atlantic and Africa. Eclipse begins 17-11 PST Annular phase begins 18-15 PST Greatest Eclipse 19-53 PS Annular phase ends 21-32 PS 22-36 PS Eclipse ends Eclipse magnitude=0.9922 Partial Eclipse Of Moon On Monday/Tuesday 07th /08th August, 2017. (Visible in Pakistan) 3. It is visible from the western Pacific Ocean, Australasia, Asia, Antarctica, Africa and most of Europe. Penumbral eclipse begins 20-50 PST Partial eclipse begins 22-23 PST Greatest eclipse 23-20 PST 00-18 PST (on 08th August, 2017) Partial eclipse ends Penumbral eclipse ends 01-51 PST (on 08th August, 2017) Penumbral Magnitude= 1.2886 Umbral Magnitude= 0.2464 Total Eclipse Of Sun On Monday/Tuesday, 21st /22nd August, 2017. (Not visible in Pakistan) 4. It will be visible from North America, NS America. Total Eclipse will be visible from North Pacific, U.S., and South Atlantic Eclipse begins 20-47 PST Total phase begins 21-50 PST 23-26 PST Greatest eclipse 01-02 PST (on 22nd August, 2017) Total phase ends 02-04 PST (on 22nd August, 2017) Eclipse ends

Eclipse magnitude=1.0306

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