

Key to Solar Eclipse Catalog

Cat Num — sequential Catalog Number assigned to each eclipse from 1 to 11,898

Calendar Date — Julian or Gregorian date of Greatest Eclipse

TD of Greatest Eclipse — Terrestrial Dynamical Time of Greatest Eclipse

ΔT — arithmetic difference between Terrestrial Dynamical Time Universal Time (seconds)

Luna Num — number of synodic months, or lunations, since New Moon on 2000 Jan 06

Saros Num — Saros Series Number of eclipse

Ecl Type — Solar Eclipse Type

P = Partial Solar Eclipse

A = Annular Solar Eclipse

T = Total Solar Eclipse

H = Hybrid Solar Eclipse

m = Middle eclipse of Saros series

n = Central eclipse of with no northern limit

s = Central eclipse of with no southern limit

+ = Non-central eclipse of with no northern limit

– = Non-central eclipse of with no southern limit

2 = Hybrid eclipse path begins total and ends annular

3 = Hybrid eclipse path begins annular and ends total

b = Saros series begins (first eclipse in a Saros series)

e = Saros series ends (last eclipse in a Saros series)

QLE — Quincena Lunar Eclipse Parameter

n = Penumbral Lunar Eclipse

p = Partial Lunar Eclipse

t = Total Lunar Eclipse

Gamma — minimum distance from the axis of the lunar shadow to the center of Earth

Ecl Mag — Eclipse Magnitude; fraction of the Sun's diameter obscured by the Moon

Lat & Lng — latitude and longitude where the Sun appears in zenith at greatest eclipse

Sun Alt & Sun Azm — altitude and azimuth of the Sun at greatest eclipse

Path Width — width of the central path (km) at greatest eclipse (total, annular & hybrid eclipses)

Central Line Dur — Central Line Duration (minutes. seconds) at greatest eclipse