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