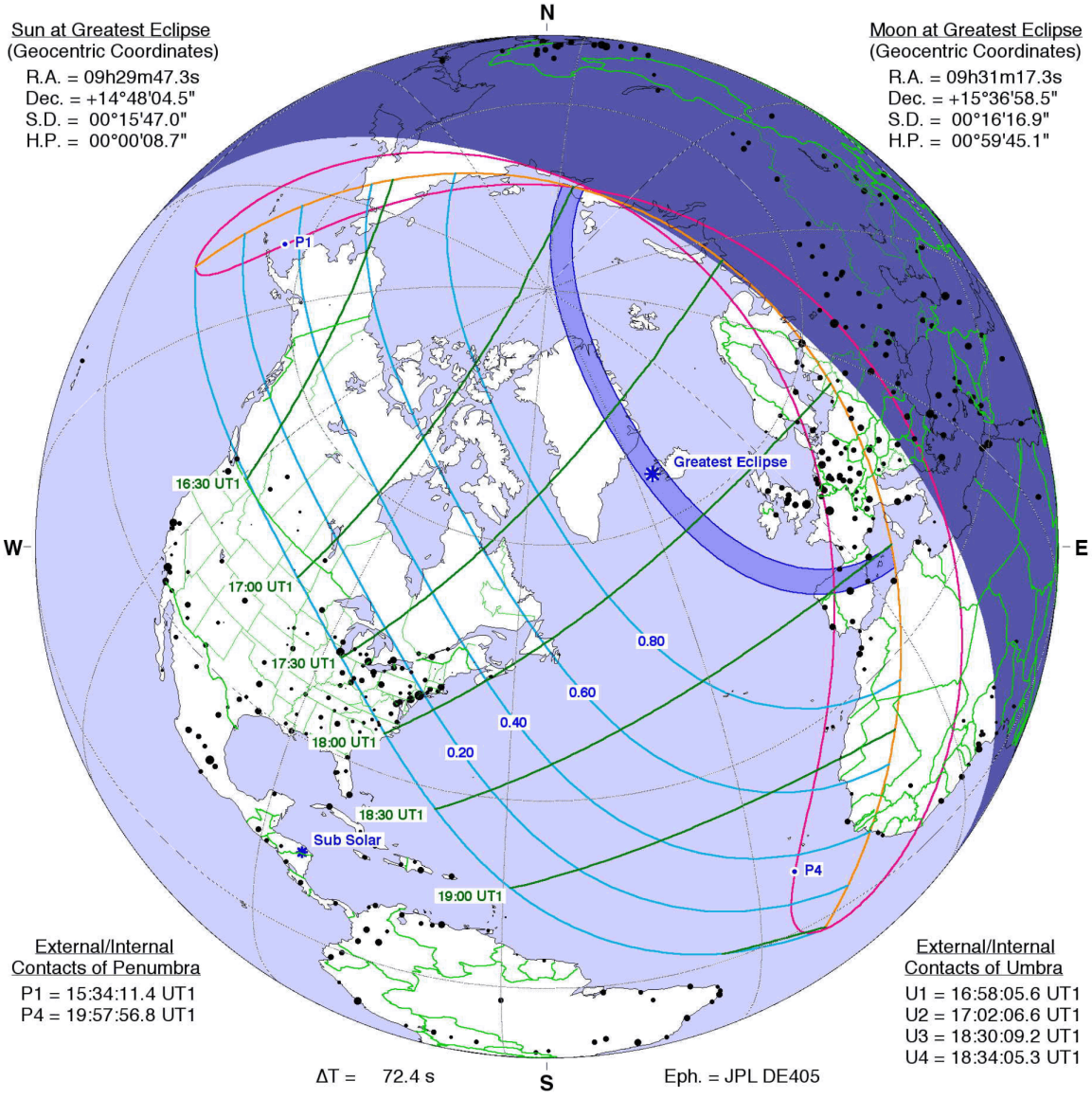
# Total Solar Eclipse of 2026 Aug 12

Greatest Eclipse = 17:47:05.8 TD (= 17:45:53.3 UT1)

Eclipse Magnitude = 1.0386 Saros Series = 126

Gamma = 0.8977 Saros Member = 48 of 72




Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 09h29m47.3s
Dec. = +14°48'04.5"
S.D. = 00°15'47.0"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 09h31m17.3s
Dec. = +15°36'58.5"
S.D. = 00°16'16.9"
H.P. = 00°59'45.1"

External/Internal Contacts of Penumbra
P1 = 15:34:11.4 UT1
P4 = 19:57:56.8 UT1

External/Internal Contacts of Umbra
U1 = 16:58:05.6 UT1
U2 = 17:02:06.6 UT1
U3 = 18:30:09.2 UT1
U4 = 18:34:05.3 UT1

ΔT = 72.4 s Eph. = JPL DE405

Circumstances at Greatest Eclipse: 17:45:53.3 UT1

Lat. = 65°13.4'N Sun Alt. = 25.8°
Long. = 025°13.7'W Sun Azm. = 248.4°
Path Width = 294.0 km Duration = 02m18.2s

Circumstances at Greatest Duration: 17:44:41.5 UT1

Lat. = 65°49.8'N Sun Alt. = 25.7°
Long. = 025°29.1'W Sun Azm. = 247.6°
Path Width = 292.9 km Duration = 02m18.2s

0 1000 2000 3000 4000 5000
Kilometers

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