

Partial Solar Eclipse of 2029 Jan 14

Greatest Eclipse = 17:13:47.5 TD (= 17:12:34.1 UT1)

Eclipse Magnitude = 0.8714
Gamma = 1.0553

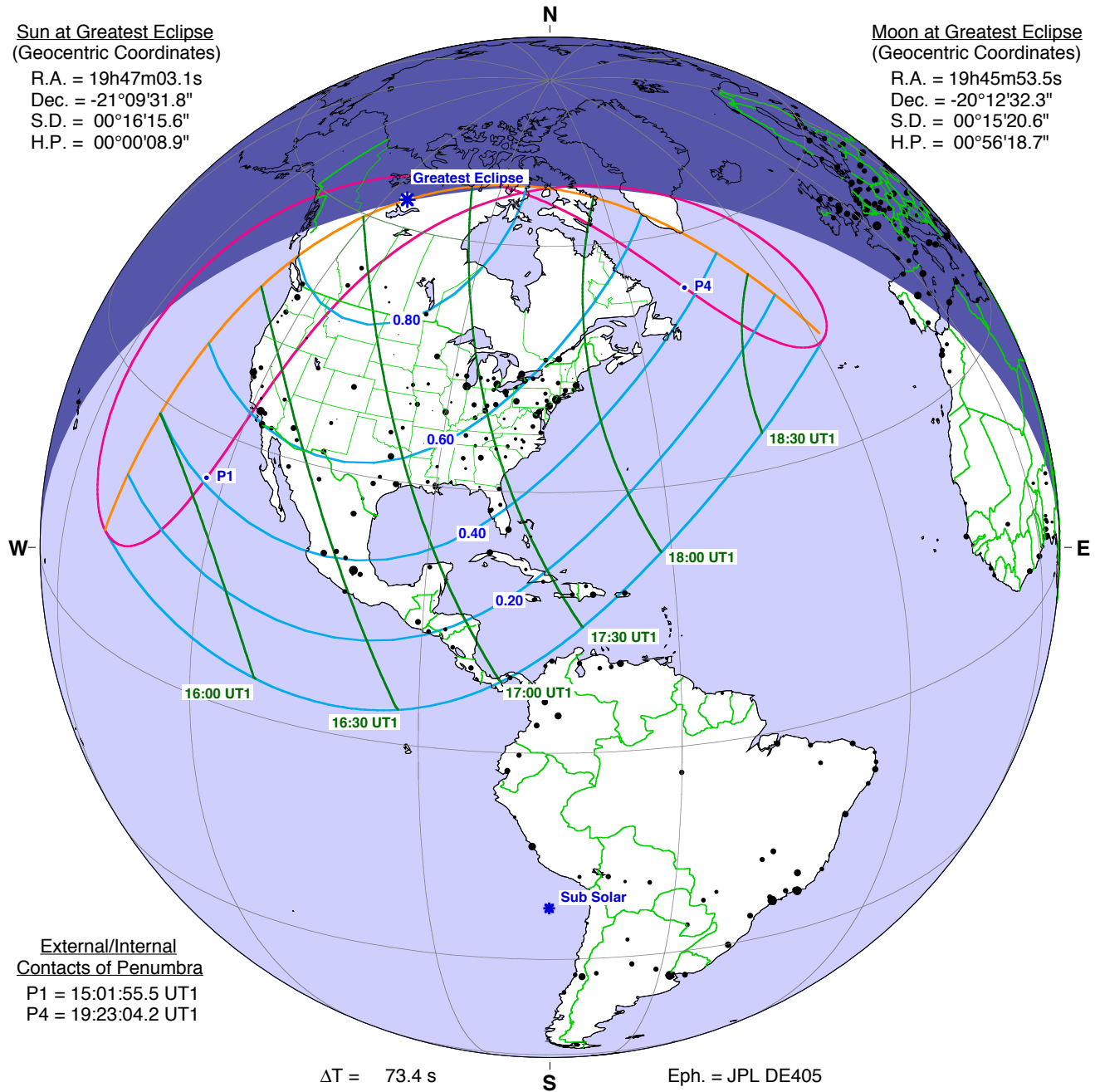
Saros Series = 151
Saros Member = 15 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 19h47m03.1s
Dec. = -21°09'31.8"
S.D. = 00°16'15.6"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 19h45m53.5s
Dec. = -20°12'32.3"
S.D. = 00°15'20.6"
H.P. = 00°56'18.7"



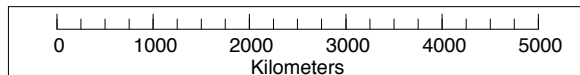
External/Internal
Contacts of Penumbra
P1 = 15:01:55.5 UT1
P4 = 19:23:04.2 UT1

$\Delta T = 73.4 \text{ s}$

Eph. = JPL DE405

Circumstances at Greatest Eclipse: 17:12:34.1 UT1

Lat. = 63°42.1'N Sun Alt. = 0.0°
Long. = 114°13.5'W Sun Azm. = 144.6°



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