

Partial Solar Eclipse of 2029 Dec 05

Greatest Eclipse = 15:03:58.0 TD (= 15:02:44.2 UT1)

Eclipse Magnitude = 0.8911

Saros Series = 123

Gamma = -1.0609

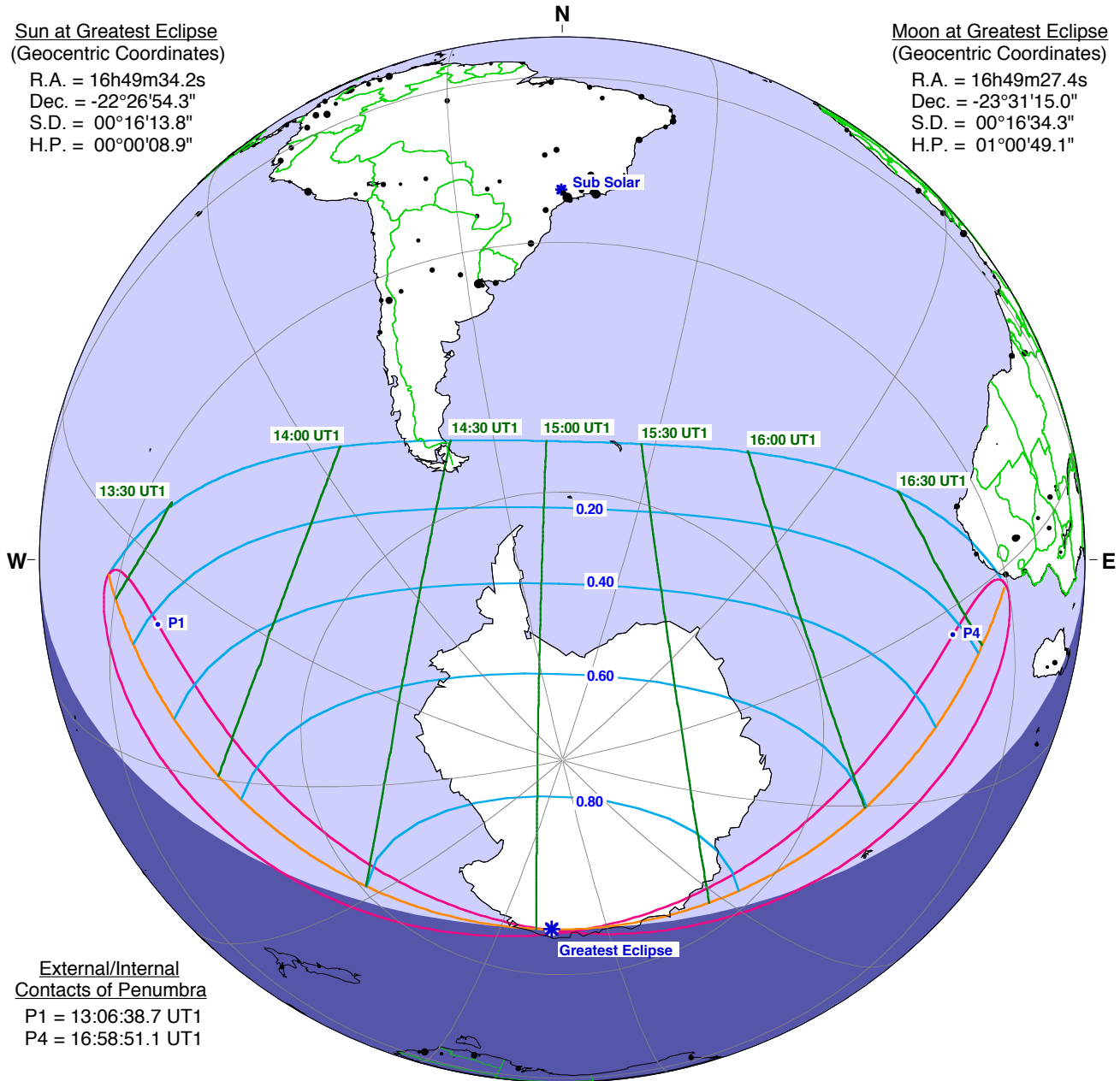
Saros Member = 54 of 70

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h49m34.2s
Dec. = -22°26'54.3"
S.D. = 00°16'13.8"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h49m27.4s
Dec. = -23°31'15.0"
S.D. = 00°16'34.3"
H.P. = 01°00'49.1"



External/Internal
Contacts of Penumbra

P1 = 13:06:38.7 UT1
P4 = 16:58:51.1 UT1

$\Delta T = 73.8$ s

S

Eph. = JPL DE405

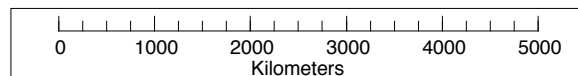
Circumstances at Greatest Eclipse: 15:02:44.2 UT1

Lat. = 67°30.8'S

Sun Alt. = 0.0°

Long. = 135°38.7'E

Sun Azm. = 176.6°



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