

Partial Solar Eclipse of 2025 Sep 21

Greatest Eclipse = 19:43:04.2 TD (= 19:41:52.2 UT1)

Eclipse Magnitude = 0.8550

Saros Series = 154

Gamma = -1.0651

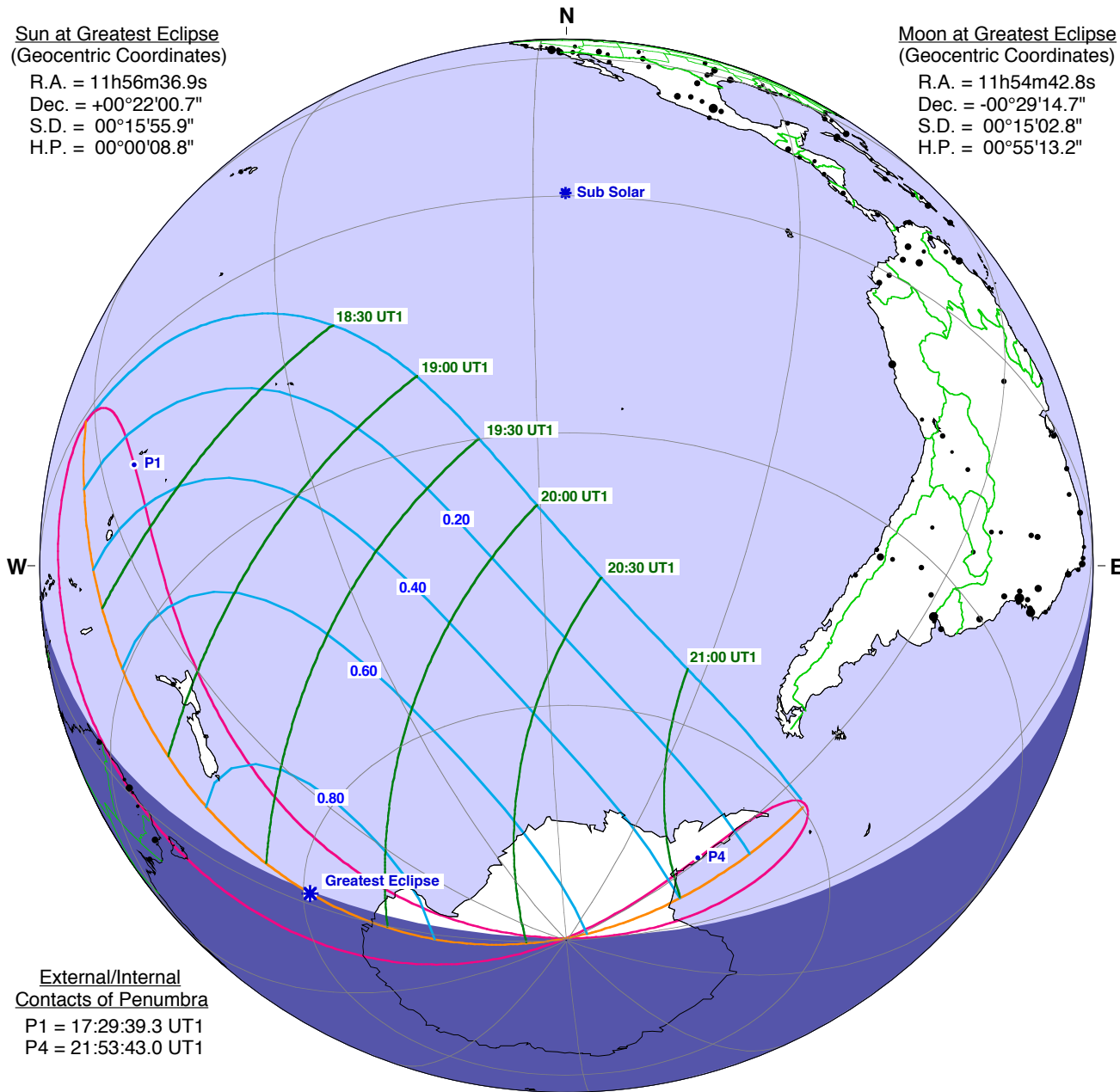
Saros Member = 7 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 11h56m36.9s
Dec. = +00°22'00.7"
S.D. = 00°15'55.9"
H.P. = 00°00'08.8"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 11h54m42.8s
Dec. = -00°29'14.7"
S.D. = 00°15'02.8"
H.P. = 00°55'13.2"



External/Internal
Contacts of Penumbra

P1 = 17:29:39.3 UT1
P4 = 21:53:43.0 UT1

$\Delta T = 72.1$ s

S

Eph. = JPL DE405

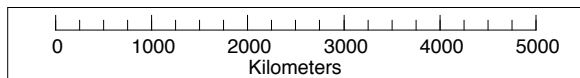
Circumstances at Greatest Eclipse: 19:41:52.2 UT1

Lat. = 60°54.1'S

Sun Alt. = 0.0°

Long. = 153°29.9'E

Sun Azm. = 89.2°



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