

Partial Solar Eclipse of 2029 Jun 12

Greatest Eclipse = 04:06:13.0 TD (= 04:04:59.5 UT1)

Eclipse Magnitude = 0.4576
Gamma = 1.2943

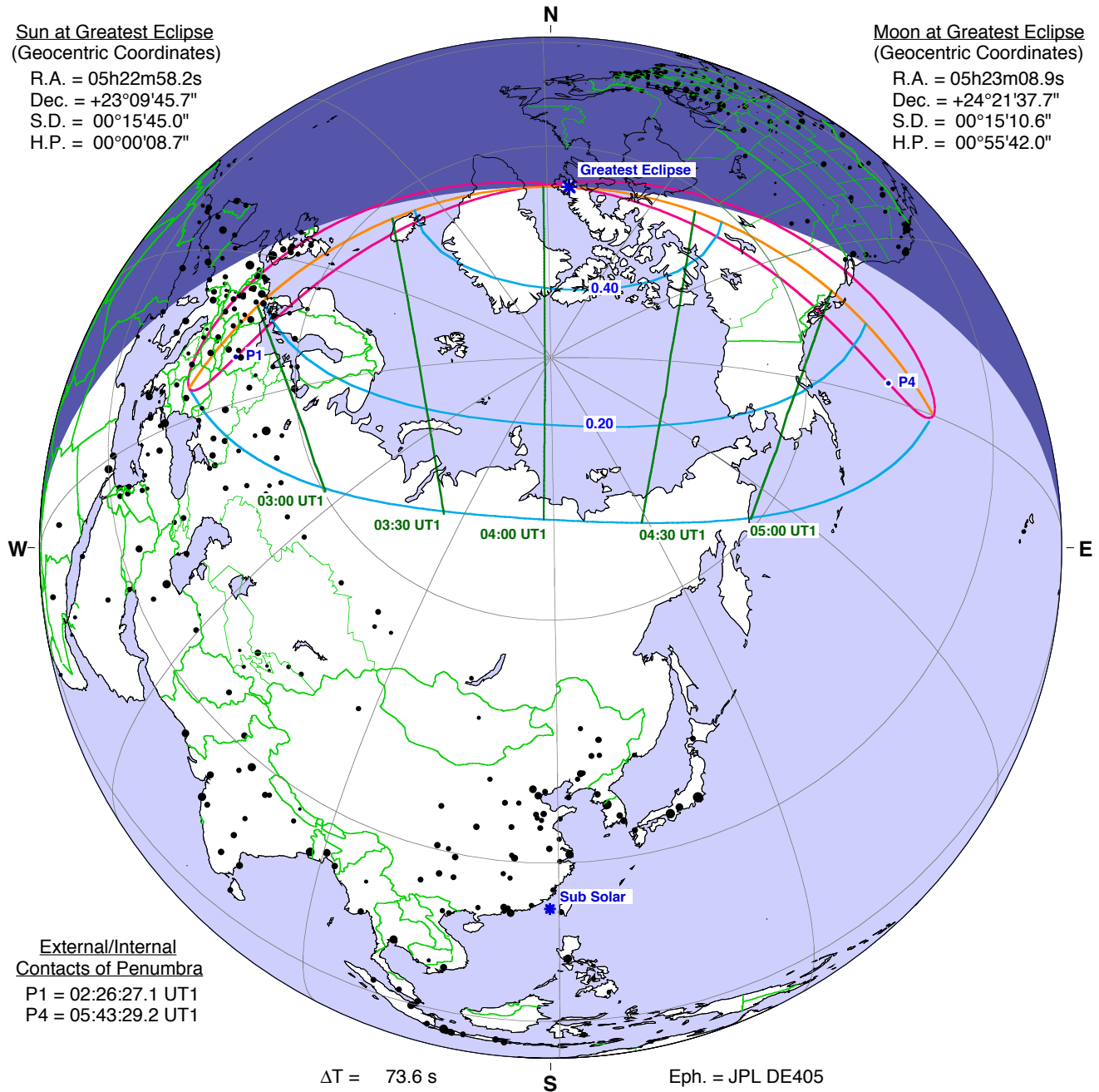
Saros Series = 118
Saros Member = 69 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 05h22m58.2s
Dec. = +23°09'45.7"
S.D. = 00°15'45.0"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 05h23m08.9s
Dec. = +24°21'37.7"
S.D. = 00°15'10.6"
H.P. = 00°55'42.0"



External/Internal
Contacts of Penumbra

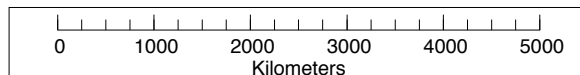
P1 = 02:26:27.1 UT1
P4 = 05:43:29.2 UT1

$\Delta T = 73.6$ s

Eph. = JPL DE405

Circumstances at Greatest Eclipse: 04:04:59.5 UT1

Lat. = 66°45.9'N Sun Alt. = 0.0°
Long. = 066°11.0'W Sun Azm. = 355.5°



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