

Partial Solar Eclipse of 2018 Jul 13

Greatest Eclipse = 03:02:16.1 TD (= 03:01:07.0 UT1)

Eclipse Magnitude = 0.3365
Gamma = -1.3542

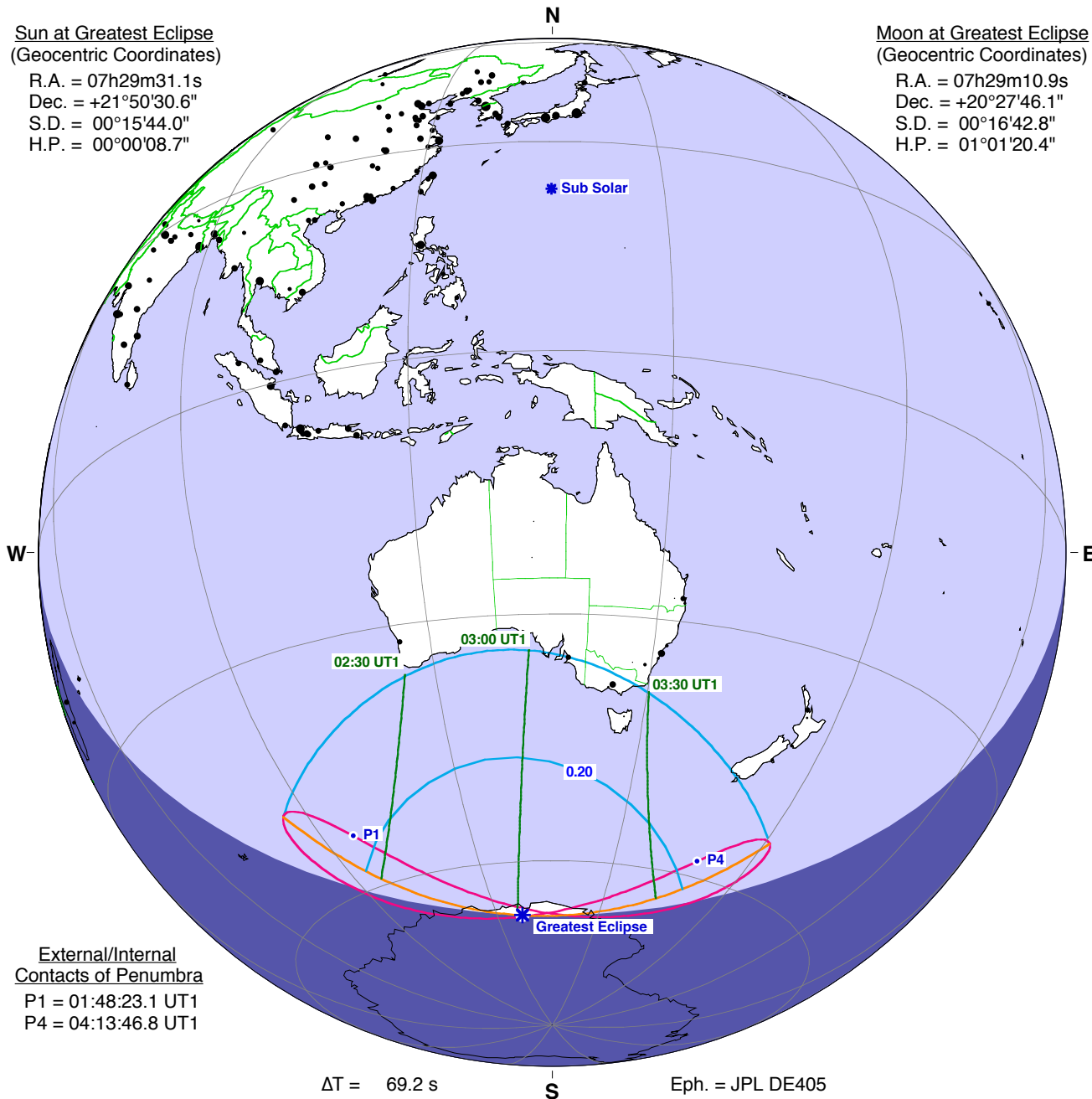
Saros Series = 117
Saros Member = 69 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 07h29m31.1s
Dec. = +21°50'30.6"
S.D. = 00°15'44.0"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 07h29m10.9s
Dec. = +20°27'46.1"
S.D. = 00°16'42.8"
H.P. = 01°01'20.4"



External/Internal
Contacts of Penumbra

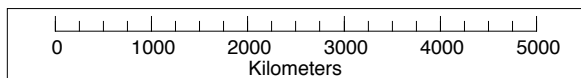
P1 = 01:48:23.1 UT1
P4 = 04:13:46.8 UT1

$\Delta T = 69.2$ s

Eph. = JPL DE405

Circumstances at Greatest Eclipse: 03:01:07.0 UT1

Lat. = 67°55.4'S Sun Alt. = 0.0°
Long. = 127°25.8'E Sun Azm. = 8.1°



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