

Annular Solar Eclipse of 2028 Jan 26

Greatest Eclipse = 15:08:58.8 TD (= 15:07:45.8 UT1)

Eclipse Magnitude = 0.9208

Saros Series = 141

Gamma = 0.3901

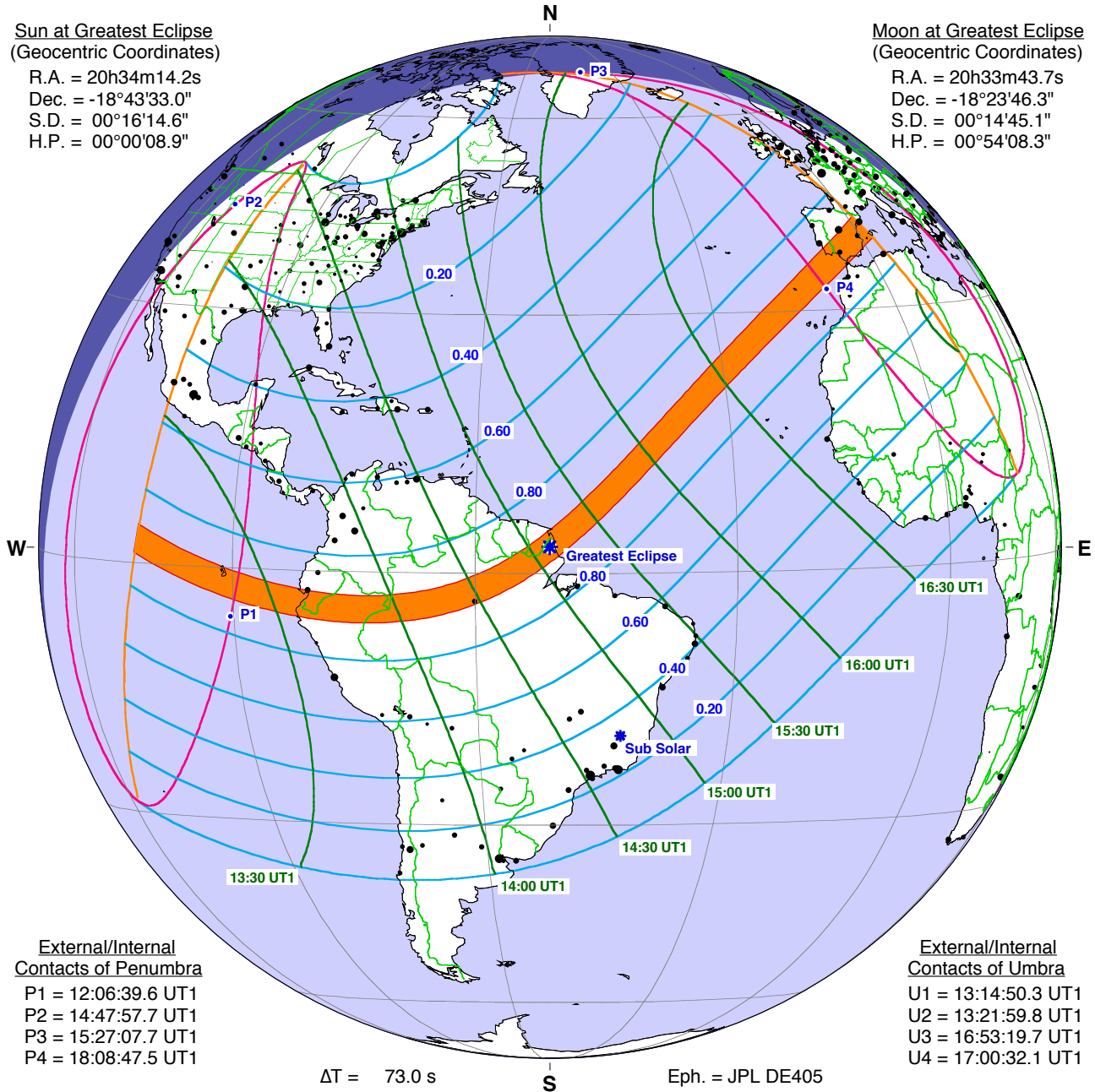
Saros Member = 24 of 70

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 20h34m14.2s
Dec. = -18°43'33.0"
S.D. = 00°16'14.6"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 20h33m43.7s
Dec. = -18°23'46.3"
S.D. = 00°14'45.1"
H.P. = 00°54'08.3"



External/Internal
Contacts of Penumbra

P1 = 12:06:39.6 UT1
P2 = 14:47:57.7 UT1
P3 = 15:27:07.7 UT1
P4 = 18:08:47.5 UT1

External/Internal
Contacts of Umbra

U1 = 13:14:50.3 UT1
U2 = 13:21:59.8 UT1
U3 = 16:53:19.7 UT1
U4 = 17:00:32.1 UT1

$\Delta T = 73.0$ s

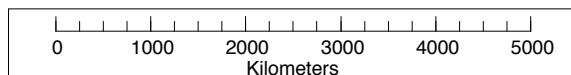
Eph. = JPL DE405

Circumstances at Greatest Eclipse: 15:07:45.8 UT1

Lat. = 02°57.6'N Sun Alt. = 67.0°
Long. = 051°33.6'W Sun Azm. = 161.0°
Path Width = 323.0 km Duration = 10m27.1s

Circumstances at Greatest Duration: 14:53:07.6 UT1

Lat. = 00°47.6'N Sun Alt. = 65.8°
Long. = 054°39.0'W Sun Azm. = 144.6°
Path Width = 328.7 km Duration = 10m30.6s



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