

Annular Solar Eclipse of 2027 Feb 06

Greatest Eclipse = 16:00:47.7 TD (= 15:59:35.1 UT1)

Eclipse Magnitude = 0.9281
Gamma = -0.2952

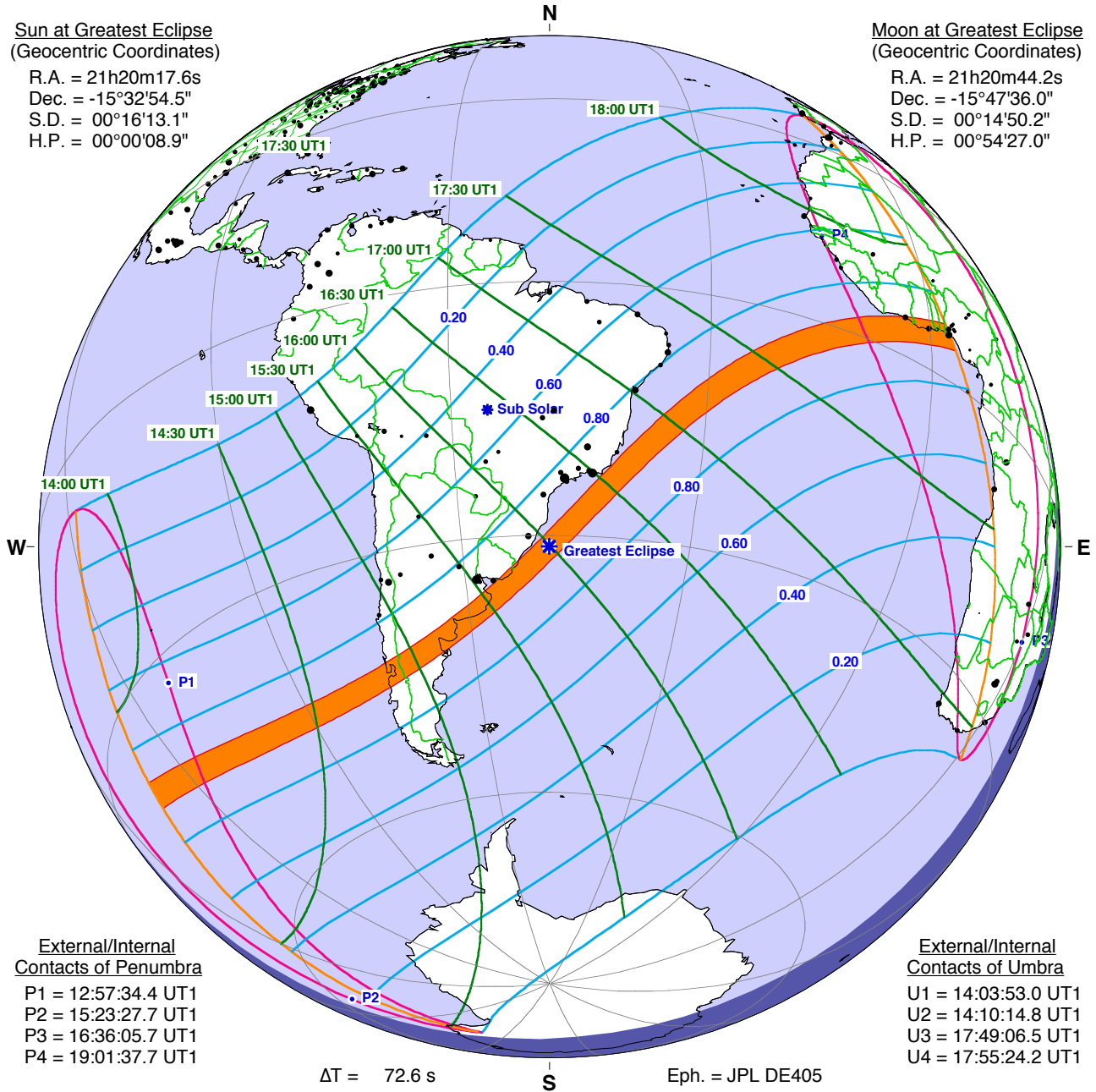
Saros Series = 131
Saros Member = 51 of 70

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 21h20m17.6s
Dec. = -15°32'54.5"
S.D. = 00°16'13.1"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 21h20m44.2s
Dec. = -15°47'36.0"
S.D. = 00°14'50.2"
H.P. = 00°54'27.0"



External/Internal
Contacts of Penumbra

P1 = 12:57:34.4 UT1
P2 = 15:23:27.7 UT1
P3 = 16:36:05.7 UT1
P4 = 19:01:37.7 UT1

External/Internal
Contacts of Umbra

U1 = 14:03:53.0 UT1
U2 = 14:10:14.8 UT1
U3 = 17:49:06.5 UT1
U4 = 17:55:24.2 UT1

$\Delta T = 72.6$ s

S

Eph. = JPL DE405

Circumstances at Greatest Eclipse: 15:59:35.1 UT1

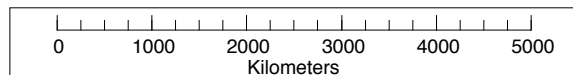
Lat. = 31°18.2'S
Long. = 048°28.0'W
Path Width = 281.5 km

Sun Alt. = 72.7°
Sun Azm. = 333.5°
Duration = 07m50.9s

Circumstances at Greatest Duration: 15:41:47.6 UT1

Lat. = 35°04.2'S
Long. = 053°22.3'W
Path Width = 279.7 km

Sun Alt. = 70.4°
Sun Azm. = 4.1°
Duration = 07m53.5s



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