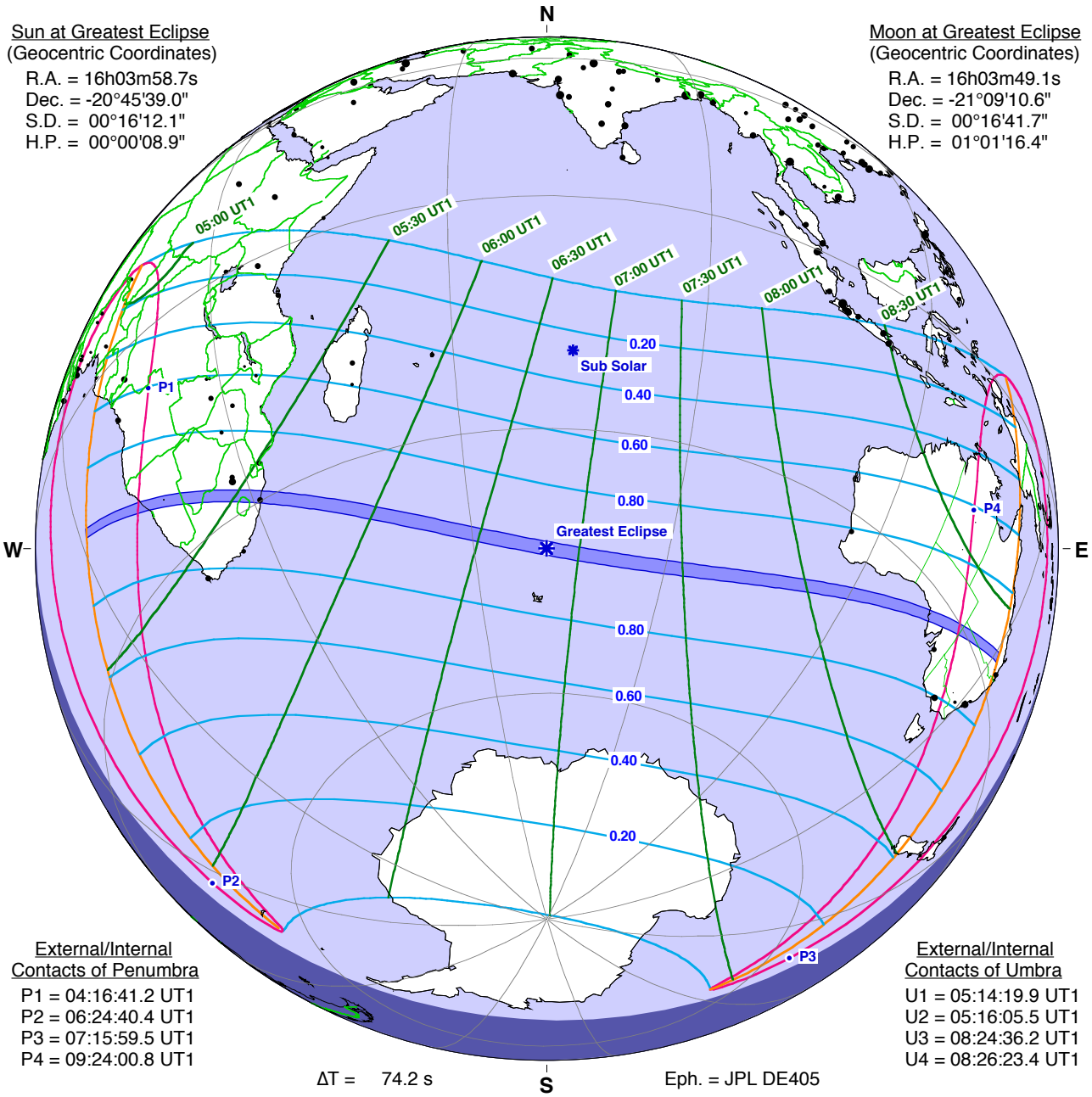
Total Solar Eclipse of 2030 Nov 25

Greatest Eclipse = 06:51:36.9 TD (= 06:50:22.7 UT1)

Eclipse Magnitude = 1.0468 Saros Series = 133

Gamma = -0.3867 Saros Member = 46 of 72



Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 16h03m58.7s
Dec. = -20°45'39.0"
S.D. = 00°16'12.1"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 16h03m49.1s
Dec. = -21°09'10.6"
S.D. = 00°16'41.7"
H.P. = 01°01'16.4"

External/Internal Contacts of Penumbra
P1 = 04:16:41.2 UT1
P2 = 06:24:40.4 UT1
P3 = 07:15:59.5 UT1
P4 = 09:24:00.8 UT1

External/Internal Contacts of Umbra
U1 = 05:14:19.9 UT1
U2 = 05:16:05.5 UT1
U3 = 08:24:36.2 UT1
U4 = 08:26:23.4 UT1

ΔT = 74.2 s

Eph. = JPL DE405

Circumstances at Greatest Eclipse: 06:50:22.7 UT1

Lat. = 43°36.6'S Sun Alt. = 67.0°
Long. = 071°13.7'E Sun Azm. = 7.0°
Path Width = 169.3 km Duration = 03m43.5s

Circumstances at Greatest Duration: 06:51:56.0 UT1

Lat. = 43°42.7'S Sun Alt. = 67.0°
Long. = 072°01.4'E Sun Azm. = 4.1°
Path Width = 169.2 km Duration = 03m43.6s