

Partial Solar Eclipse of 2011 Nov 25

Ecliptic Conjunction = 06:10:47.0 TD (= 06:09:39.5 UT)

Greatest Eclipse = 06:21:24.1 TD (= 06:20:16.6 UT)

Eclipse Magnitude = 0.9046 Gamma = -1.0537

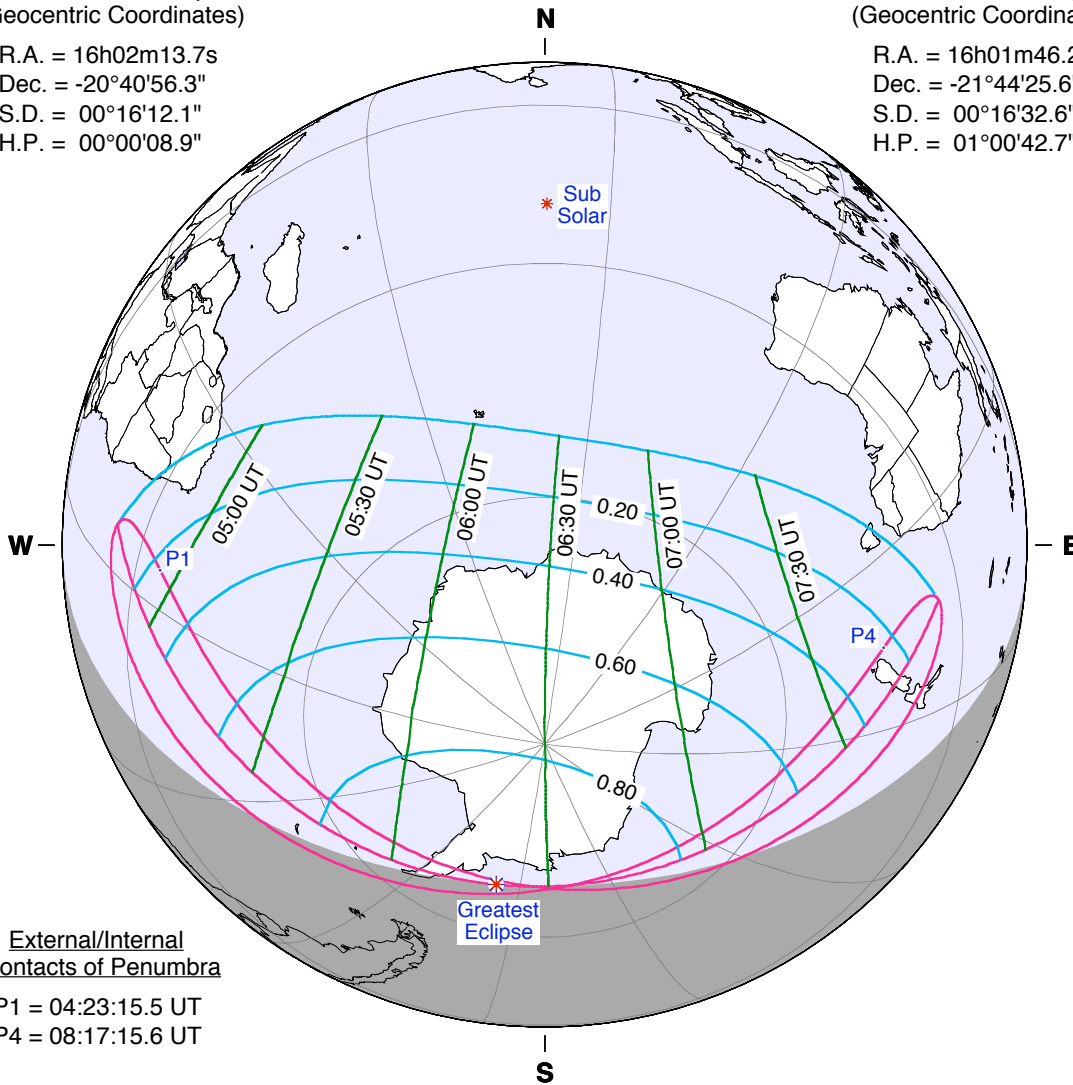
Saros Series = 123 Member = 53 of 70

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h02m13.7s
Dec. = -20°40'56.3"
S.D. = 00°16'12.1"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h01m46.2s
Dec. = -21°44'25.6"
S.D. = 00°16'32.6"
H.P. = 01°00'42.7"

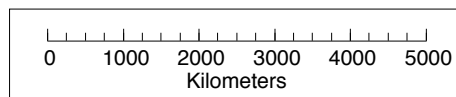


External/Internal
Contacts of Penumbra

P1 = 04:23:15.5 UT
P4 = 08:17:15.6 UT

Constants & Ephemeris

$\Delta T = 67.5$ s
 $k1 = 0.2724880$
 $k2 = 0.2722810$
 $\Delta b = 0.0''$ $\Delta l = 0.0''$
Eph. = VSOP87/ELP2000-85



F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

Geocentric Libration
(Optical + Physical)

$l = 2.93^\circ$
 $b = 1.38^\circ$
 $c = 12.80^\circ$
Brown Lun. No. = 1100