

Partial Solar Eclipse of 2011 Jun 01

Ecliptic Conjunction = 21:03:42.8 TD (= 21:02:35.5 UT)
 Greatest Eclipse = 21:17:18.4 TD (= 21:16:11.1 UT)

Eclipse Magnitude = 0.6011 Gamma = 1.2130

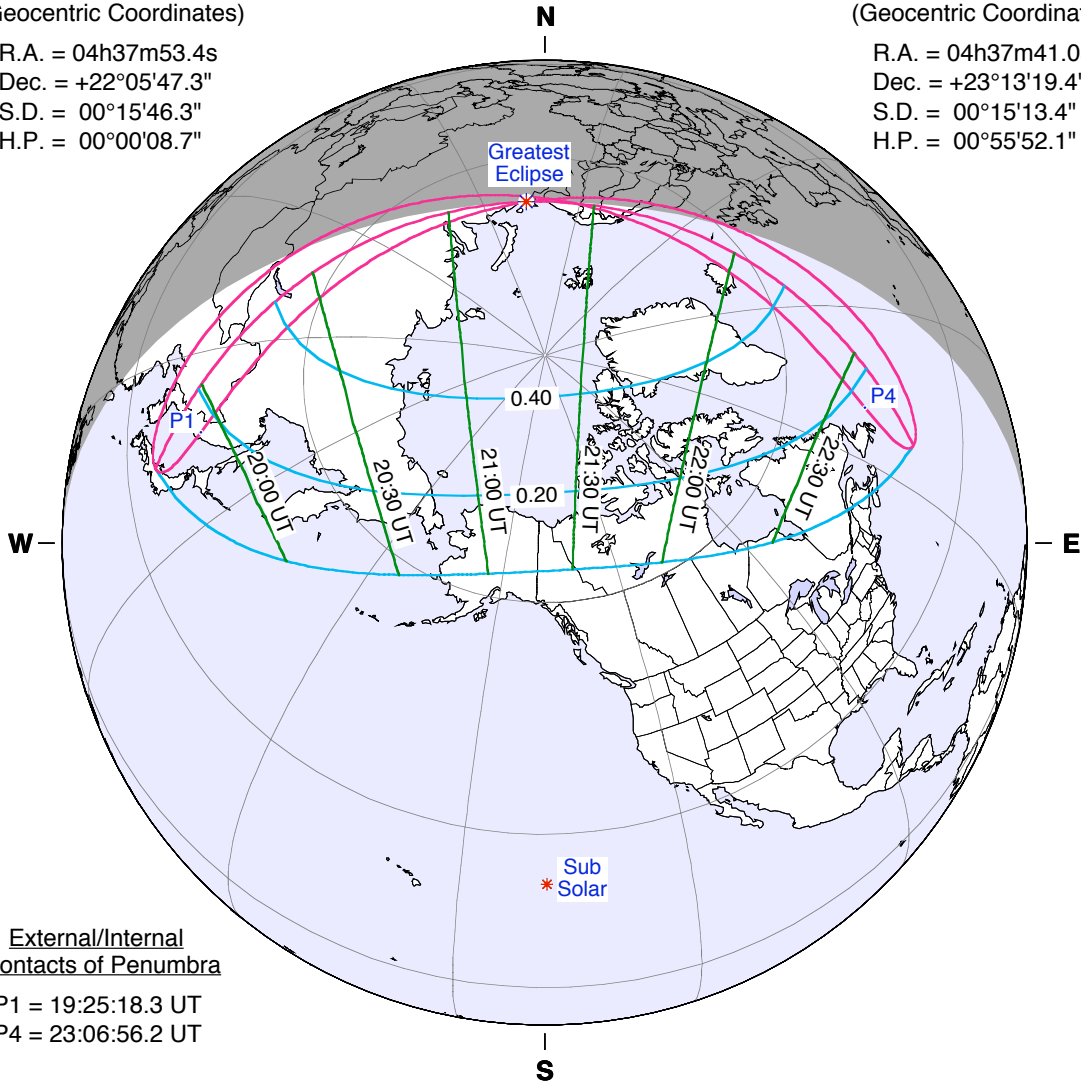
Saros Series = 118 Member = 68 of 72

Sun at Greatest Eclipse
 (Geocentric Coordinates)

R.A. = 04h37m53.4s
 Dec. = +22°05'47.3"
 S.D. = 00°15'46.3"
 H.P. = 00°00'08.7"

Moon at Greatest Eclipse
 (Geocentric Coordinates)

R.A. = 04h37m41.0s
 Dec. = +23°13'19.4"
 S.D. = 00°15'13.4"
 H.P. = 00°55'52.1"

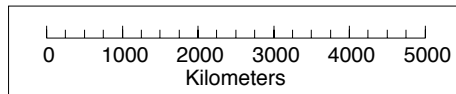


External/Internal
Contacts of Penumbra

P1 = 19:25:18.3 UT
 P4 = 23:06:56.2 UT

Constants & Ephemeris

$\Delta T = 67.3$ 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)

$l = -4.65^\circ$
 $b = -1.48^\circ$
 $c = -9.54^\circ$
 Brown Lun. No. = 1094