

Partial Solar Eclipse of 2011 Jul 01

Ecliptic Conjunction = 08:55:01.5 TD (= 08:53:54.2 UT)

Greatest Eclipse = 08:39:30.1 TD (= 08:38:22.7 UT)

Eclipse Magnitude = 0.0971 Gamma = -1.4917

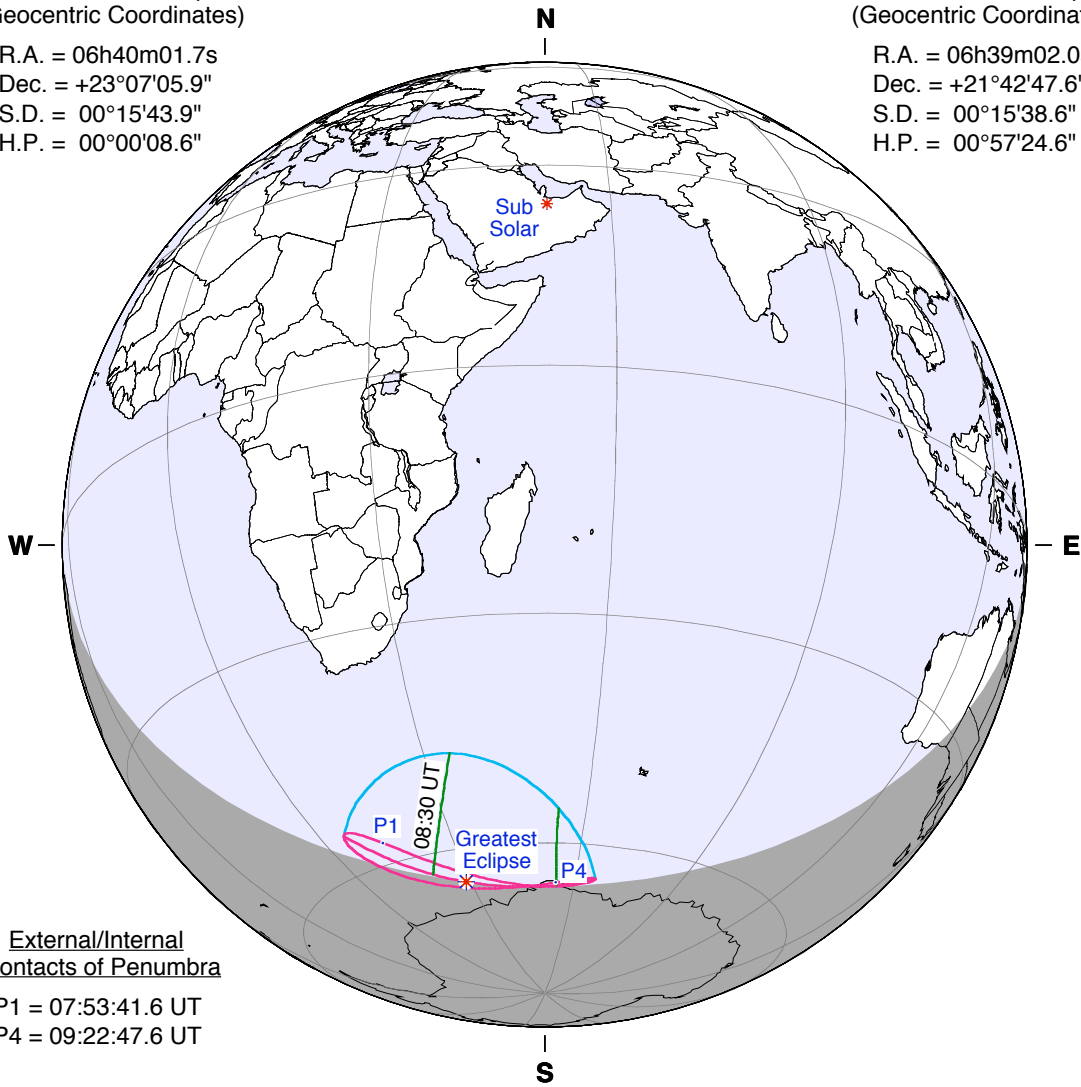
Saros Series = 156 Member = 1 of 69

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 06h40m01.7s
Dec. = +23°07'05.9"
S.D. = 00°15'43.9"
H.P. = 00°00'08.6"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 06h39m02.0s
Dec. = +21°42'47.6"
S.D. = 00°15'38.6"
H.P. = 00°57'24.6"

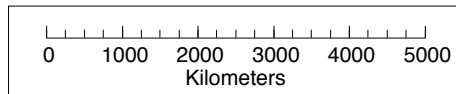


External/Internal
Contacts of Penumbra

P1 = 07:53:41.6 UT
P4 = 09:22:47.6 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)

$l = -5.16^\circ$
 $b = 1.84^\circ$
 $c = 2.39^\circ$
Brown Lun. No. = 1095