

Partial Solar Eclipse of 2015 Sep 13

Ecliptic Conjunction = 06:42:23.9 TD (= 06:41:16.1 UT)

Greatest Eclipse = 06:55:19.2 TD (= 06:54:11.4 UT)

Eclipse Magnitude = 0.7875 Gamma = -1.1004

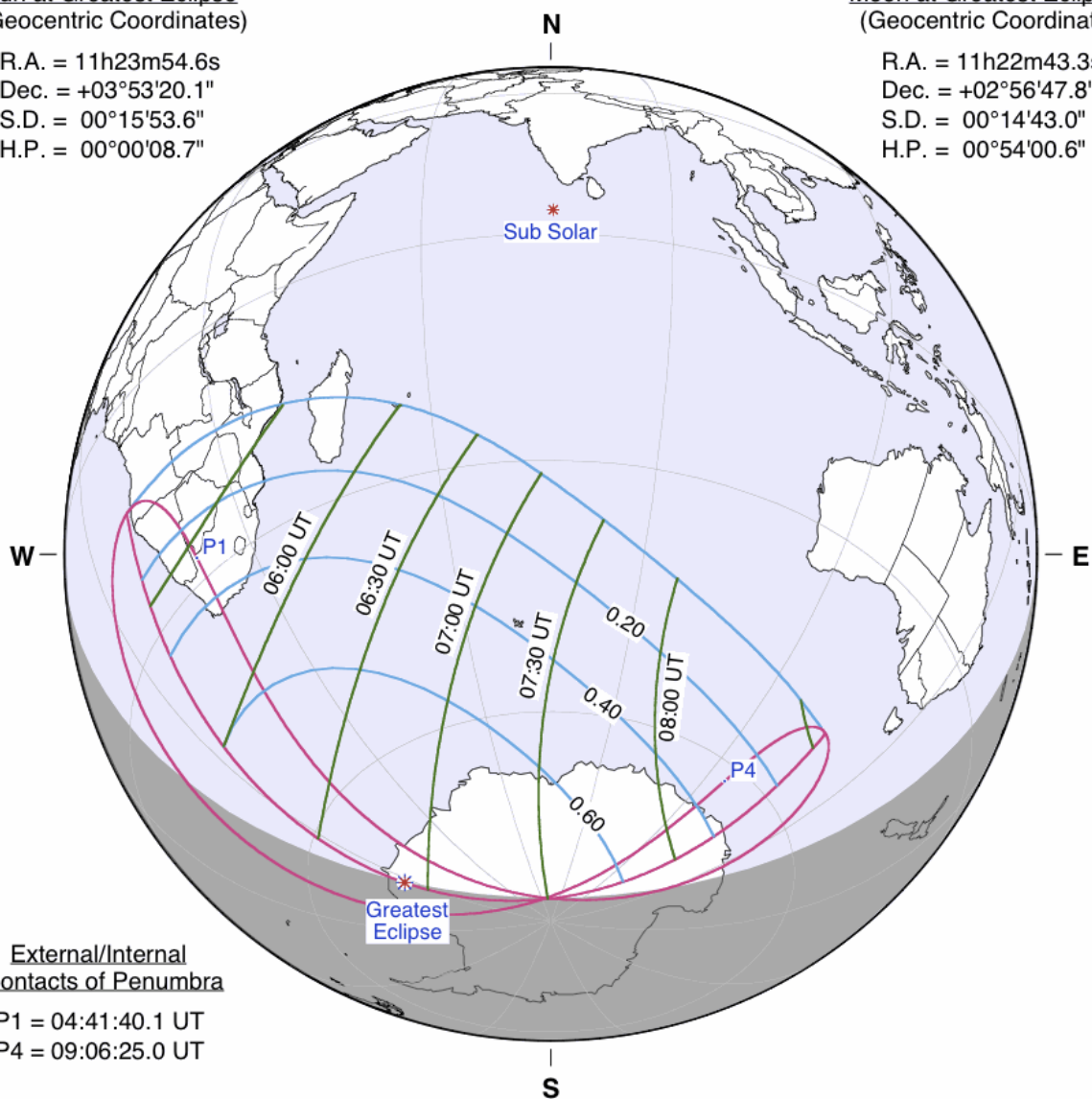
Saros Series = 125 Member = 54 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h23m54.6s
Dec. = +03°53'20.1"
S.D. = 00°15'53.6"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h22m43.3s
Dec. = +02°56'47.8"
S.D. = 00°14'43.0"
H.P. = 00°54'00.6"

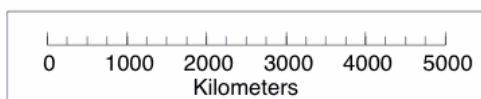


External/Internal Contacts of Penumbra

P1 = 04:41:40.1 UT
P4 = 09:06:25.0 UT

Constants & Ephemeris

$\Delta T = 67.8$ s
 $k_1 = 0.2725076$
 $k_2 = 0.2722810$
 $\Delta b = 0.0''$ $\Delta l = 0.0''$
Eph. = JPL DE405



Geocentric Libration (Optical + Physical)

$l = 1.34^\circ$
 $b = 1.30^\circ$
 $c = 24.64^\circ$

Brown Lun. No. = 1147

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2014 Feb 22