

# Total Solar Eclipse of 1932 Aug 31

Ecliptic Conjunction = 19:54:55.5 TD (= 19:54:31.6 UT)

Greatest Eclipse = 20:03:41.2 TD (= 20:03:17.2 UT)

Eclipse Magnitude = 1.0257      Gamma = 0.8307

Saros Series = 124      Member = 50 of 73

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h39m17.5s

Dec. = +08°30'34.8"

S.D. = 00°15'51.0"

H.P. = 00°00'08.7"

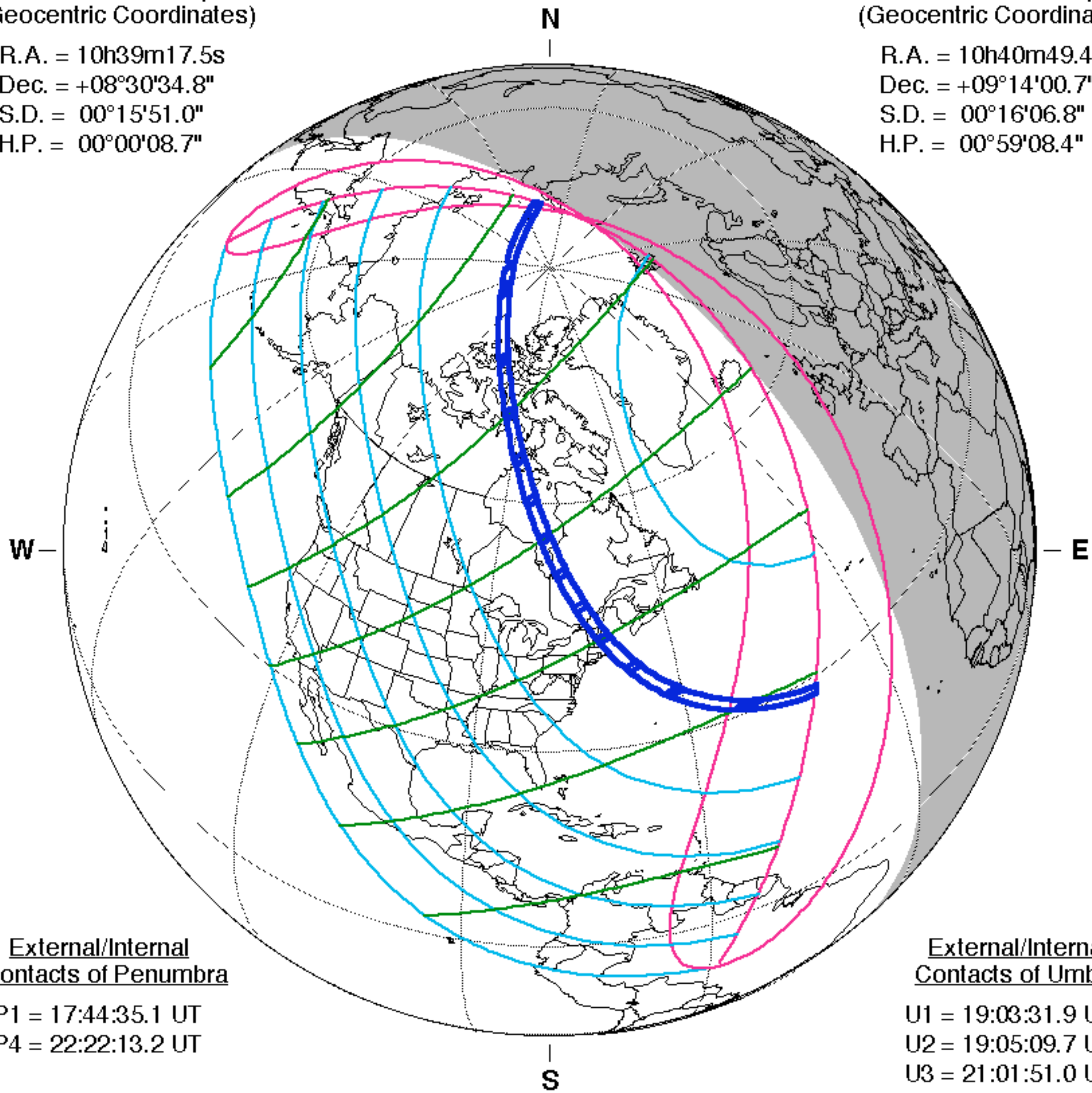
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h40m49.4s

Dec. = +09°14'00.7"

S.D. = 00°16'06.8"

H.P. = 00°59'08.4"



## External/Internal Contacts of Penumbra

P1 = 17:44:35.1 UT

P4 = 22:22:13.2 UT

## External/Internal Contacts of Umbra

U1 = 19:03:31.9 UT

U2 = 19:05:09.7 UT

U3 = 21:01:51.0 UT

U4 = 21:03:33.4 UT

## Local Circumstances at Greatest Eclipse

Lat. = 54°27.8'N

Sun Alt. = 33.5°

Long. = 079°29.7'W

Sun Azm. = 231.5°

Path Width = 154.6 km      Duration = 01m44.7s

## Constants & Ephemeris

$\Delta T = 23.9$  s

$k_1 = 0.2724880$

$k_2 = 0.2722810$

$\Delta b = 0.0''$        $\Delta l = 0.0''$

Eph. = VSOP87/ELP2000-82

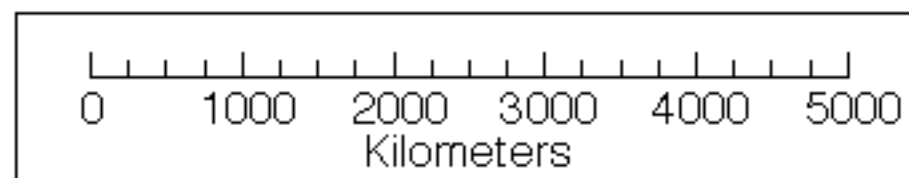
## Geocentric Libration (Optical + Physical)

$l = -4.15^\circ$

$b = -1.06^\circ$

$c = 20.48^\circ$

Brown Lun. No. = 120



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[eclipse.gsfc.nasa.gov/eclipse.html](http://eclipse.gsfc.nasa.gov/eclipse.html)