

# Total Solar Eclipse of 1979 Feb 26

Ecliptic Conjunction = 16:46:02.6 TD (= 16:45:12.9 UT)

Greatest Eclipse = 16:55:05.7 TD (= 16:54:16.0 UT)

Eclipse Magnitude = 1.0391      Gamma = 0.8981

Saros Series = 120      Member = 59 of 71

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h36m45.5s

Dec. = -08°45'23.7"

S.D. = 00°16'09.1"

H.P. = 00°00'08.9"

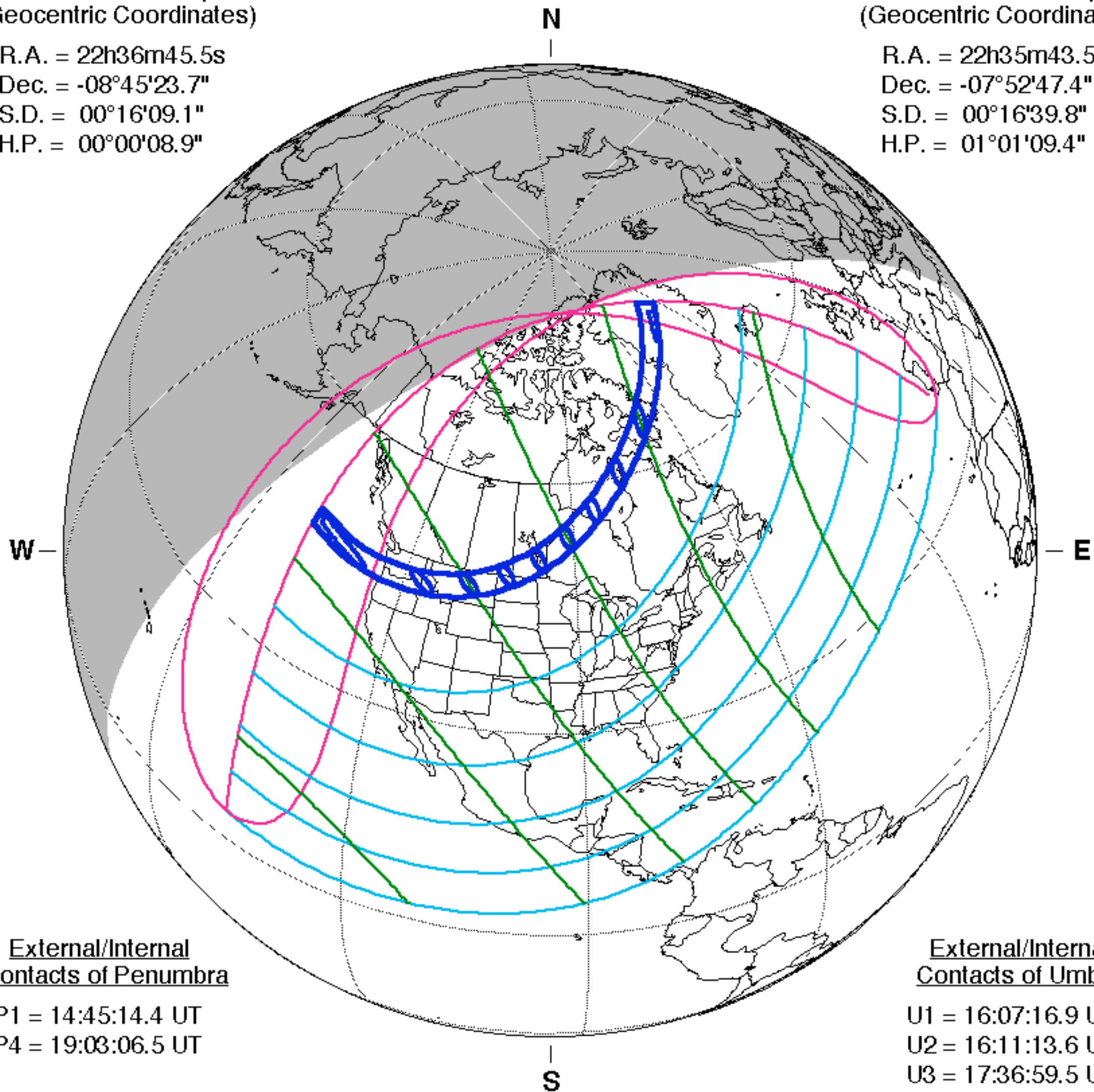
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h35m43.5s

Dec. = -07°52'47.4"

S.D. = 00°16'39.8"

H.P. = 01°01'09.4"



## External/Internal Contacts of Penumbra

P1 = 14:45:14.4 UT

P4 = 19:03:06.5 UT

## External/Internal Contacts of Umbra

U1 = 16:07:16.9 UT

U2 = 16:11:13.6 UT

U3 = 17:36:59.5 UT

U4 = 17:40:54.6 UT

## Local Circumstances at Greatest Eclipse

Lat. = 52°08.4'N

Sun Alt. = 25.7°

Long. = 094°27.6'W

Sun Azm. = 153.4°

Path Width = 297.7 km      Duration = 02m48.9s

## Constants & Ephemeris

$\Delta T = 49.7$  s

$k_1 = 0.2724880$

$k_2 = 0.2722810$

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

Eph. = VSOP87/ELP2000-82

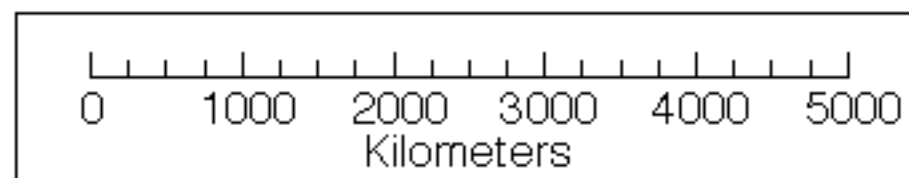
## Geocentric Libration (Optical + Physical)

$l = 1.65^\circ$

$b = -1.15^\circ$

$c = -23.28^\circ$

Brown Lun. No. = 695



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