

Total Solar Eclipse of 1925 Jan 24

Ecliptic Conjunction = 14:45:16.4 TD (= 14:44:52.6 UT)

Greatest Eclipse = 14:54:03.2 TD (= 14:53:39.4 UT)

Eclipse Magnitude = 1.0304 Gamma = 0.8661

Saros Series = 120 Member = 56 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 20h25m51.5s

Dec. = -19°13'44.3"

S.D. = 00°16'14.7"

H.P. = 00°00'08.9"

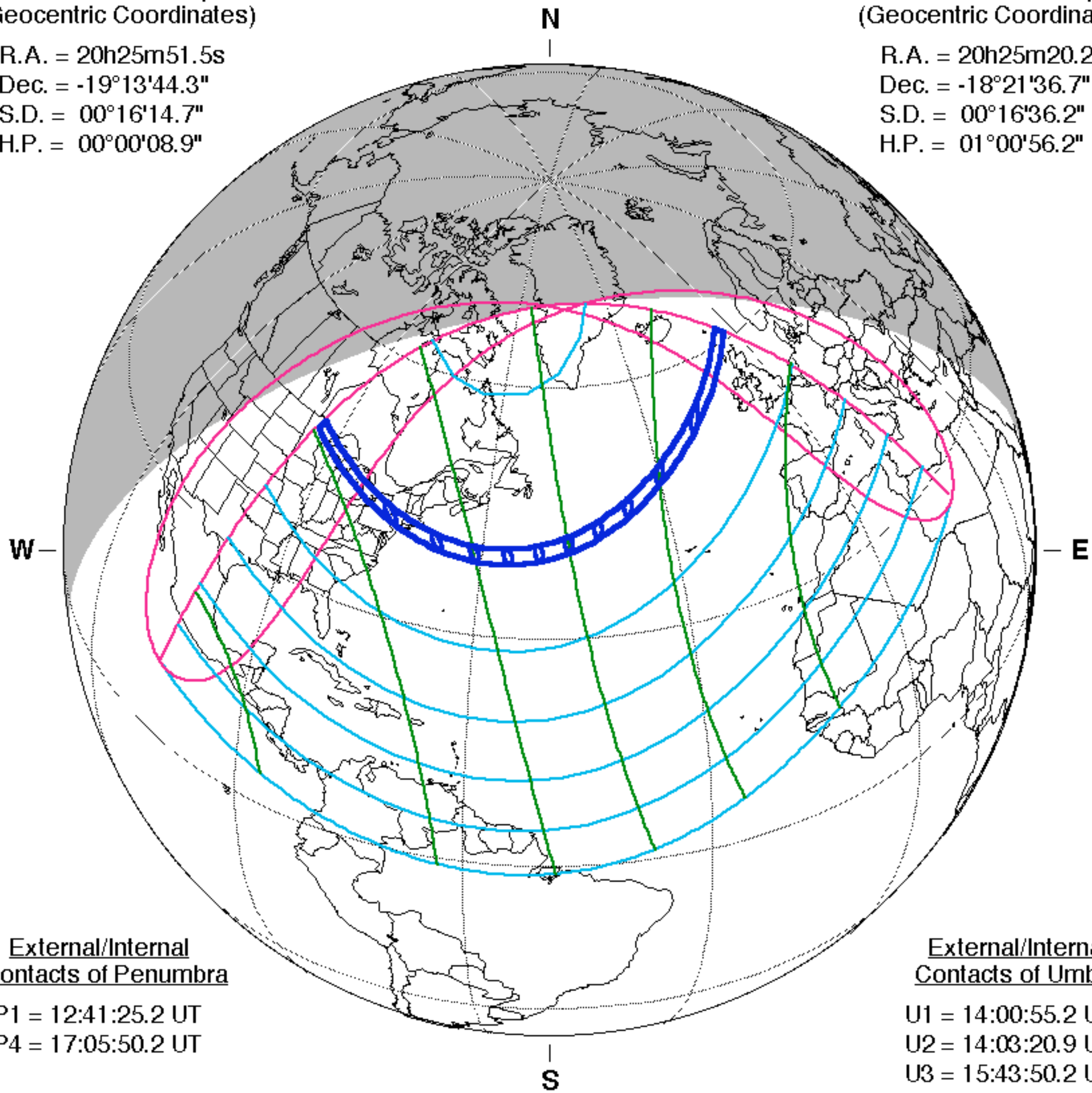
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 20h25m20.2s

Dec. = -18°21'36.7"

S.D. = 00°16'36.2"

H.P. = 01°00'56.2"



External/Internal Contacts of Penumbra

P1 = 12:41:25.2 UT

P4 = 17:05:50.2 UT

External/Internal Contacts of Umbra

U1 = 14:00:55.2 UT

U2 = 14:03:20.9 UT

U3 = 15:43:50.2 UT

U4 = 15:46:13.4 UT

Local Circumstances at Greatest Eclipse

Lat. = 40°29.6'N

Sun Alt. = 29.7°

Long. = 049°35.2'W

Sun Azm. = 170.0°

Path Width = 206.4 km Duration = 02m32.2s

Constants & Ephemeris

$\Delta T = 23.8$ s

$k_1 = 0.2724880$

$k_2 = 0.2722810$

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

Eph. = VSOP87/ELP2000-82

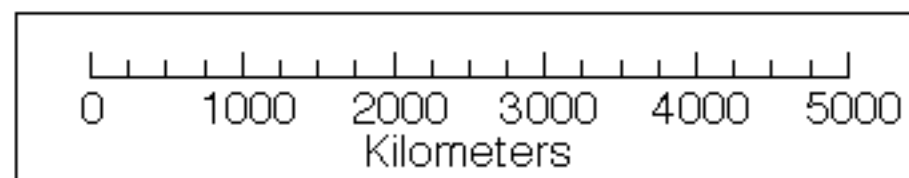
Geocentric Libration (Optical + Physical)

$l = 2.29^\circ$

$b = -1.10^\circ$

$c = -15.13^\circ$

Brown Lun. No. = 26



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eclipse.gsfc.nasa.gov/eclipse.html