

Figure 2

Total Lunar Eclipse of 2008 Feb 21

Ecliptic Conjunction = 03:31:36.3 TD (= 03:30:30.9 UT)
 Greatest Eclipse = 03:27:08.7 TD (= 03:26:03.3 UT)

Penumbral Magnitude = 2.1451 P. Radius = 1.2339° Gamma = -0.3992
 Umbral Magnitude = 1.1062 U. Radius = 0.6948° Axis = 0.3801°

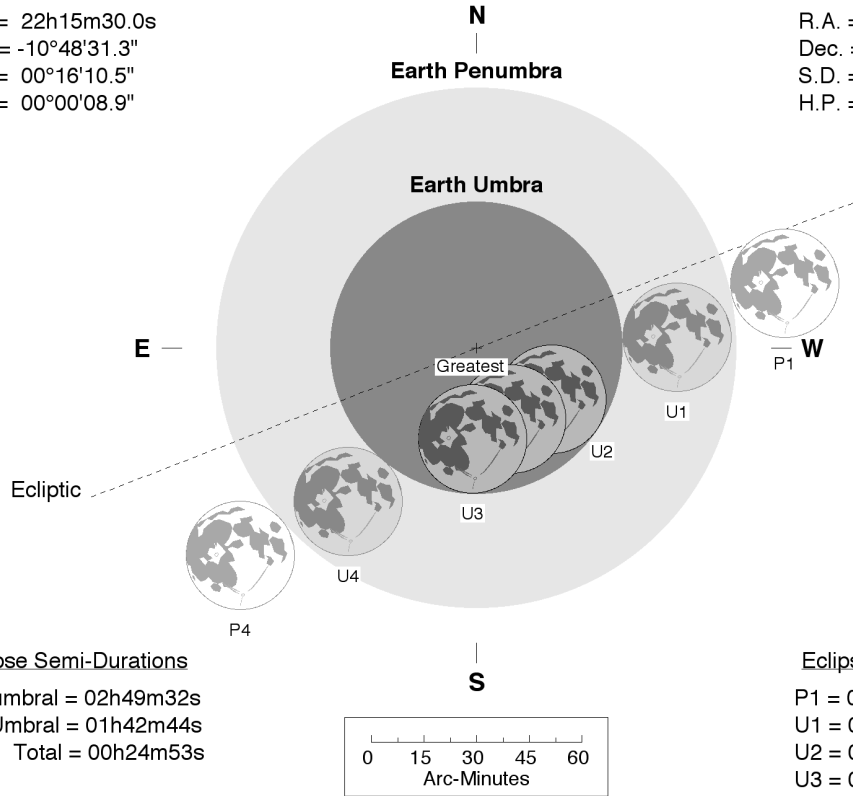
Saros Series = 133 Member = 26 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 22h15m30.0s
 Dec. = -10°48'31.3"
 S.D. = 00°16'10.5"
 H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 10h14m48.5s
 Dec. = +10°28'07.7"
 S.D. = 00°15'34.2"
 H.P. = 00°57'08.5"



Eclipse Semi-Durations

Penumbral = 02h49m32s
 Umbral = 01h42m44s
 Total = 00h24m53s

$\Delta T = 65.4 \text{ s}$

Rule = CdT (Danjon)

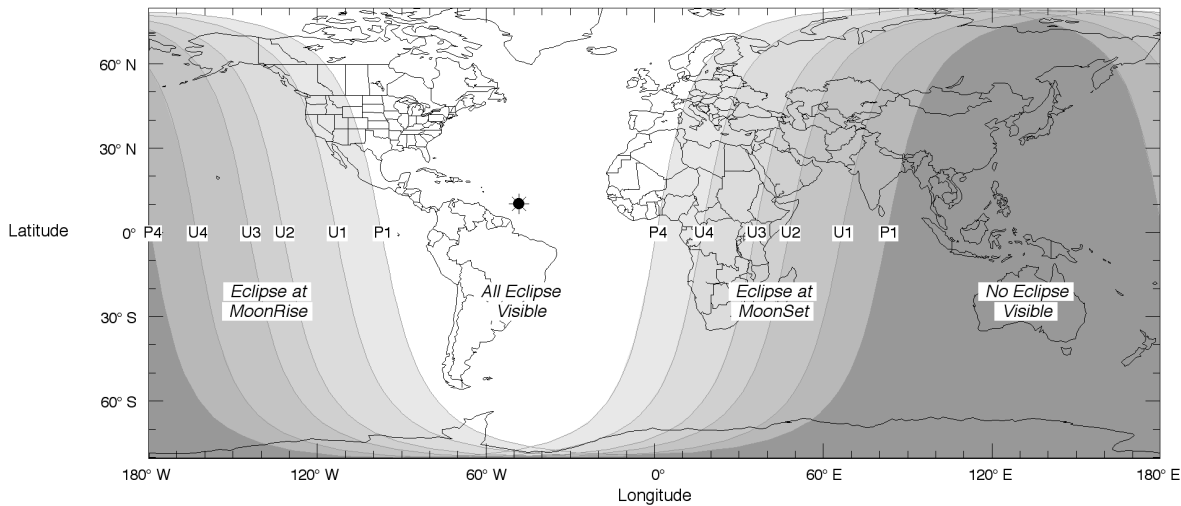
Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 00:36:34 UT
 U1 = 01:43:17 UT
 U2 = 03:01:09 UT
 U3 = 03:50:55 UT
 U4 = 05:08:46 UT
 P4 = 06:15:38 UT

F. Espenak, NASA's GSFC - 2007 May 31

<http://sunearth.gsfc.nasa.gov/eclipse/eclipse.html>



Fred Espenak, "Eclipses During 2008," *Observer's Handbook 2008*,
 Royal Astronomical Society of Canada, University of Toronto Press, Toronto, 2007.