Total Lunar Eclipse of 1997 Sep 16

Ecliptic Conjunction = 18:51:32.0 TD ( = 18:50:29.8 UT )
Greatest Eclipse = 18:47:41.8 TD ( = 18:46:39.0 UT )

Penumbral Magnitude = 2.1417  P. Radius = 1.3016°  Gamma = -0.3768
Umbral Magnitude = 1.1909  U. Radius = 0.7712°  Axis = 0.3857°

Saros Series = 137  Member = 27 of 81

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 11h37m42.6s
Dec. = +02°24'37.9"
S.D. = 00°15'54.7"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 23h38m10.7s
Dec. = -02°46'41.0"
S.D. = 00°16'44.2"
H.P. = 01°01'25.5"

Eclipse Durations
Penumbral = 05h08m14s
Umbral = 03h16m26s
Total = 01h01m31s

ΔT = 63 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

Eclipse Contacts
P1 = 16:12:32 UT
U1 = 17:08:25 UT
U2 = 18:15:54 UT
U3 = 19:17:24 UT
U4 = 20:24:52 UT
P4 = 21:20:46 UT

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

60° N
30° N
0°
30° S
60° S

60° W
120° W
180° W
0°
60° E
120° E
180° E

Latitude
Longitude

No Eclipse Visible
Eclipse at Moonrise
At Eclipse Visibility
Eclipse at Moonset