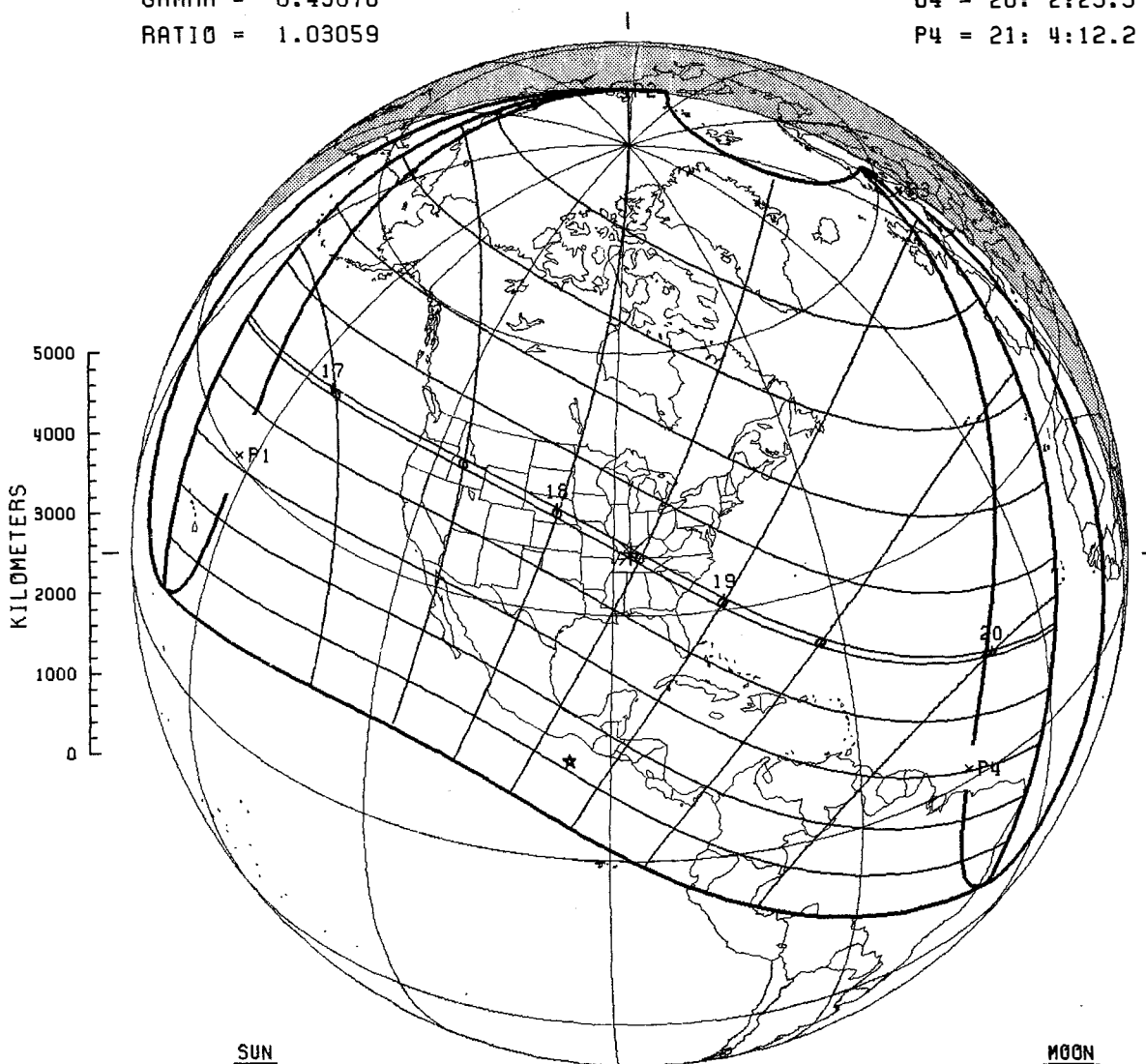


TOTAL SOLAR ECLIPSE - 21 AUG 2017

CONTACTS

GREATEST = 18:25:20.7 UT
 CONJUNCTION = 18:13:3.3 UT
 GAMMA = 0.43670
 RATIO = 1.03059

P1 = 15:46:40.4 UT
 U1 = 16:48:24.9 UT
 U4 = 20:2:23.3 UT
 P4 = 21:4:12.2 UT



SUN

RA = 10^h 4^m 3^s.9
 DEC = 11° 51' 43".3
 SD = 15' 48".7
 HP = 0° 0' 8".7

MOON

RA = 10^h 4^m 30^s.5
 DEC = 12° 16' 33".6
 SD = 16' 3".4
 HP = 0° 58' 55".7

SAROS 145 (22/77)

JD = 2457987.269

ΔT = 79.6 SEC

GREATEST LAT = 36° 58'.0N ALT = 63°.9 DURATION = 2:40.1
 ECLIPSE : LONG = 87° 37'.7W AZ = 198°.6 WIDTH = 114.8 KM

Figure 99
 211