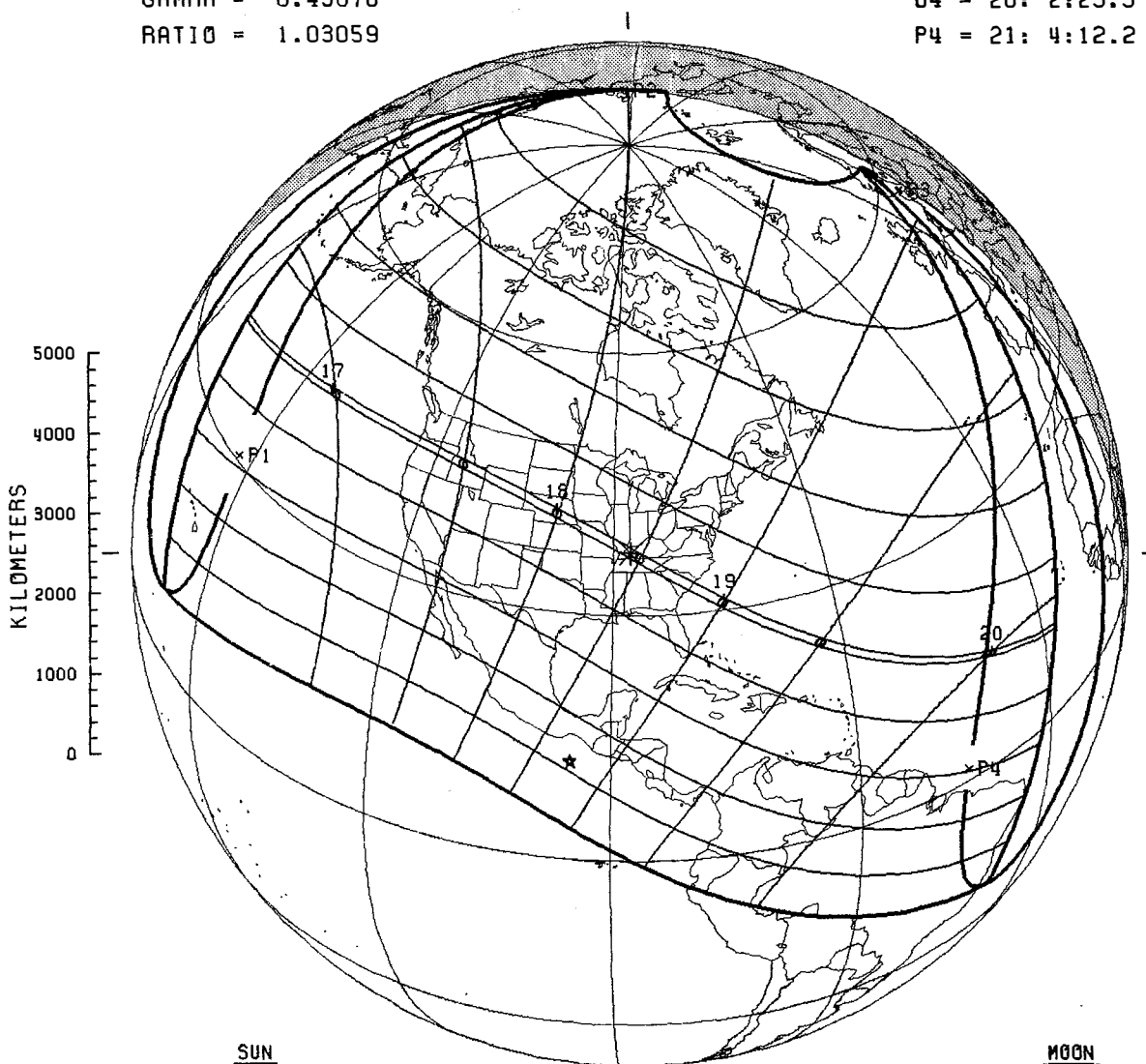


# TOTAL SOLAR ECLIPSE - 21 AUG 2017

## 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<sup>h</sup> 4<sup>m</sup> 3<sup>s</sup>.9  
 DEC = 11° 51' 43".3  
 SD = 15' 48".7  
 HP = 0° 0' 8".7

## MOON

RA = 10<sup>h</sup> 4<sup>m</sup> 30<sup>s</sup>.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  
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