

SOLAR ECLIPSE

Altitude = 18°
Duration = 2m47s

2015 March 20th
09:47 TD

Duration of the Eclipse:
7 minutes 31 seconds

Temperature Decrease
of up to 20 degrees

Fun Fact: It is more dangerous to view the Sun during a solar eclipse as compared to viewing the Sun when it is not eclipsed with the naked eye!

$$\Delta T = 62.92 + 0.32217 * t + 0.005589 * t^2$$
$$y = \text{year} + (\text{month} - 0.5) / 12$$
$$t = y - 2000$$

The diameter of the Sun is about
1,391,000 km

The diameter of the Moon is about
3,475 km



Distance of Sun from moon
147,000,000 km - 152,000,000 km