



Launch Mission Execution Forecast

Mission: Falcon 9 StarlinkV1.0-L3

Issued: 27 Jan 2020/1000L (1500Z)

Valid: 28 Jan 2020/0923-0933L (1423-1433Z)

Synoptic Discussion:

A weak area of low pressure moving into the eastern Gulf of Mexico will be picked up by a larger system across the southeastern US later today. This system will take the low across the Florida peninsula late tonight. High pressure will slowly build behind the low on Tuesday, with drier air gradually filtering into the region. Lingering clouds behind the low will be the main concern during the launch window as winds become north-northeasterly. Maximum upper-level winds will be from the west at 90 knots near 35,000 feet.

<u>Clouds</u>	<u>Coverage</u>	<u>Bases (feet)</u>	<u>Tops (feet)</u>
Stratocumulus	Scattered	2,500	5,000
Cirrus	Scattered	25,000	35,000

Weather: None	Solar Activity: Low
Surface Visibility: 7 Miles	Pressure: 29.95 inHg
Liftoff Winds (MPH): 010° @ 12-17 (200')	RH: 68%
Temperature: 66°F	

Launch day probability of violating launch weather constraints: **10%**
Primary concern(s): Cumulus Cloud Rule

The probability of violation does not include mission & launch vehicle specific upper-level wind criteria.

Sunrise: 28/0712L

Sunset: 28/1758L

Moonrise: 28/0941L

Moonset: 28/2127L

Illumination: 14%

Next forecast will be issued: As Needed