Launch Mission Execution Forecast



 Mission: Falcon 9 Dragon In-Flight Abort

 Issued:
 18 Jan 2020/0400L (0900Z)

 Valid:
 19 Jan 2020/0800-1400L (1300-1900Z)

<u>Synoptic Discussion</u>: Gusty onshore winds will gradually subside through the day today as a frontal system makes its way into the Panhandle. On Sunday, winds will switch southwesterly and weather will deteriorate ahead of a frontal system moving into Central Florida. The main weather concern will be the extensive clouds associated with this system as it approaches the Spaceport by the end of the launch window. Maximum upper-level winds will be westerly at 80 knots at 45,000 feet.

On Monday, winds will become northerly as the front slowly moves south of the Spaceport through the morning. The main concern is the extensive clouds associated with the system until it is south of the Spaceport. Maximum upper-level winds will be westerly at 110 knots near 35,000 feet.

<u>Clouds</u>	<u>Coverage</u>	Bases (feet)	Tops (feet)
Cumulus Altocumulus Cirrostratus		3,000 10,000 20,000	7,000 14,000 26,000	
Surface Visibility Liftoff Winds (MPH	r: Isolated Rain Showers /: 7 Miles): 230° @ 12-17 (200') 2: 62°F → 72°F		Low 30.17 inHg 70%	
Launch day probability Primary concern(s):	of violating launch weatl Thick Cloud Layer Rul		ipitation	40% → 60%
24-hr delay probability	of violating launch weath			50% → 40%
	Thick Cloud Layer Rul	le, Flight through Prec	ipitation	
Primary concern(s):	Thick Cloud Layer Rul		•	evel wind criteria.**
Primary concern(s):	ion does not include missio 715L Support 1		•	evel wind criteria.**
Primary concern(s): **The probability of violat Suprise: 19/07	ion does not include missio 715L Sunset: 1 715L 2 222L Moonset: 1	on & launch vehicle sp 9/1751L 0/1752L	pecific upper-l	evel wind criteria.** 34% 24%