



## Launch Mission Execution Forecast

**Vehicle:** Falcon 9 HispaSat 30W-6

**Issued:** 5 Mar 2018/0900 EST(1400 UTC)

**Valid:** 6 Mar 2018/0033-0233 EST (0533-0733 UTC)

Synoptic Discussion: The gusty, northerly winds experienced over the previous few days subside today as the Atlantic Low moves away leaving behind a weakening pressure gradient across the Spaceport. Winds will be lighter and gradually shift to the northeast today, then easterly and southeasterly overnight. Mid-level cloudiness associated with a frontal boundary pushing into the Gulf Coast will filter in over the Space Coast during the day. These clouds are the primary weather concern. Max upper-level winds will be from the northwest at 85 knots near 45,000 feet.

Weather will deteriorate through the day Tuesday as the cold front approaches the Space Coast, with clouds and rain expected over the Spaceport close to Wednesday's launch window. The launch weather concerns include thick cloud layers and cumulus clouds. There is also a chance for isolated thunderstorms. Maximum upper-level winds will be from the west at 90 knots near 40,000 feet.

<u>Clouds</u>	<u>Coverage</u>	<u>Bases (feet)</u>	<u>Tops (feet)</u>
Stratocumulus	Few	2,500	5,000
Altostratus	Scattered	12,000	15,000

<b>Weather:</b>	None		
<b>Surface Visibility:</b>	7 miles		<b>Solar Activity:</b> Low
<b>Liftoff Winds (MPH):</b>	110° @ 8-12 (200')		<b>Pressure:</b> 30.02 inHg
<b>Temperature:</b>	60°F		<b>RH:</b> 90%

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

**Delay day probability of violating launch weather constraints:** **60%**  
**Primary concern(s):** Cumulus Cloud Rule, Thick Cloud Layers Rule

**Sunrise:** 6/0642 EST  
7/0641 EST

**Sunset:** 6/1826 EST  
7/1826 EST

**Moonrise:** 5/2215 EST  
6/2311 EST

**Moonset:** 6/0952 EST  
7/1031 EST

**Illumination:** 76%  
67%

**Next forecast will be issued:** As Required