



## Launch Mission Execution Forecast

**Vehicle:** Delta IV WGS-9

**Issued:** 14 March 2017/0900Z (0500 EDT)

**Valid:** 17 March 2017 Launch Window

**Launch Weather Team:** (321) 853-8484

**Synoptic Discussion:** Cloudy and windy conditions are expected as a cold front continues its push through Central Florida this morning. Expect lingering isolated showers in the area until late morning. By afternoon, a drier and cooler air mass will bring partly cloudy, cooler temperatures and fair weather to the Space Port for the remainder of the week. However, winds will remain gusty from the northwest and north through Wednesday. A high pressure area will gradually move into the Southeast US Thursday and Friday, and as this occurs, the pressure gradient will slacken and winds will decrease. By launch day Friday, winds will veer and become onshore from the east-northeast at 10kts gusting to 15kts (306 ft). Weather is generally favorable for launch. As for space weather, there are no complex sunspot areas and, therefore, no concerns for solar activity. **The primary concern for launch is lift-off winds.** Saturday, weather continues to be mostly favorable. Winds will continue to veer to the south-southwest in advance of another cold front dropping southward into northern Florida late on Saturday. Expect winds 10kts gusting to 15kts (306 ft). The primary concern for a 24-hour delay is cumulus clouds and lift-off winds.

**Clouds**

Cumulus

**Coverage**

Scattered

**Bases (feet)**

3,000

**Tops (feet)**

5,000

**Weather:** None

**Visibility:** 7 miles

**Wind:** 070° @ 10 G 15KT (306')

**Temperature:** 63°F

**Solar Activity:** Low

**Pressure:** 30.35 INS

**RH:** 67%

**Launch day overall probability of violating weather constraints:** 10%

**Primary concern(s):** Lift-Off Winds

**48-hour delay overall probability of violating weather constraints** 20%

**Primary concern(s):** Cumulus Clouds, Lift-Off Winds

**Sunrise:** 17/0729 EDT  
18/0728 EDT  
19/0727 EDT

**Sunset:** 17/1932 EDT  
18/1933 EDT  
19/1933 EDT

**Moonrise:** 16/2319 EDT  
18/0011 EDT  
19/0102 EDT

**Moonset:** 17/1041 EDT  
18/1120 EDT  
19/1203 EDT

**Illumination:** 17 Mar 81%  
18 Mar 73%  
19 Mar 64%

**Next forecast will be issued:** 15 March 2017, 0800 EDT