



## THEMIS Launch Weather Forecast

**Vehicle:** Delta II

**Issued:** 15 Feb 2007

**Valid:** 16 Feb 2007 6:05 – 6:23 p.m. EST

**Synoptic Discussion:** Surface high pressure will usher in much colder and drier air over the next 2 to 3 days. Overall, benign conditions are expected, with the exception of ground winds. **The main concern during the launch window will be ground winds >25 kt during the last 4 minutes of the countdown.**

**Clouds**

Cirrus

**Coverage**

Scattered

**Bases (feet)**

25,000

**Tops (feet)**

26,000

**Weather:** Partly Cloudy

**Visibility:** 10 Miles

**Wind:** 300° @ 12 G 20 KT

**Temperature:** 44-46°F

**Solar Activity:** N/A

**Pressure:** 30.15 INS

**RH:** 50%

**Launch day overall probability of violating weather constraints: 20%**

**Primary concern(s):** Ground winds

**24-hour delay overall probability of violating weather constraints 10%**

**Primary concern(s):** Ground winds

**48-hour delay overall probability of violating weather constraints N/A**

**Primary concern(s):**

**Sunrise:** 16 / 0700 EST  
17 / 0659 EST

**Sunset:** 16 / 1814 EST  
17 / 1814 EST

**Moonrise:** 16 / 0623 EST  
17 / 0703 EST

**Moonset:** 16 / 1719 EST  
17 / 1828 EST

**Illumination:** 16 / 01%  
17 / 00%

**Next forecast will be issued:** 16 Feb 07