



## Dawn Launch Weather Forecast

**Vehicle:** Delta II / Pad 17-B

**Issued:** 26 Sep 07 8:00 a.m.

**Valid:** 27 Sep 07 7:20–7:49 a.m.

**Synoptic Discussion:** A mid to upper level trough moving in from the northwest will help enhance the tropical wave in southern Florida. This feature should see development into a surface low pressure system by this afternoon. This will bring continued onshore flow throughout today with scattered showers and isolated thunderstorms decreasing by mid afternoon. This low pressure system will slowly move off to the northeast throughout the day and evening. On the back side of this system our winds will gradually shift to the north-northwest bringing only isolated showers associated with the low pressure system. **During the launch window the main concern is still isolated showers at the launch pad.**

<u>Clouds</u>	<u>Coverage</u>	<u>Bases (feet)</u>	<u>Tops (feet)</u>
Cumulus	Scattered	3,000	20,000
Cirrus	Scattered	20,000	25,000

<b>Weather:</b>	Showers in the vicinity	<b>Solar Activity:</b>	Low
<b>Visibility:</b>	7 Miles	<b>Pressure:</b>	30.00 INS
<b>Wind:</b>	360° @ 10 G 15 KT	<b>RH:</b>	80%
<b>Temperature:</b>	74-76°F		

**Launch day overall probability of violating weather constraints: 40%**

**Primary concern(s):** Cumulus Cloud Rule, Thick Cloud Rule, Precipitation

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

**Primary concern(s):** Cumulus Cloud Rule, Thick Cloud Rule

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

**Primary concern(s):**

<b>Sunrise:</b>	27 / 0713 EDT	<b>Sunset:</b>	27 / 1913 EDT
	28 / 0714 EDT		28 / 1912 EDT

<b>Moonrise:</b>	26 / 1908 EDT	<b>Moonset:</b>	27 / 0801 EDT	<b>Illumination:</b>	27 / 100%
	27 / 1944 EDT		28 / 0911 EDT		28 / 98%

**Next forecast will be issued:** 27 Sep 07