



## STS-126 Launch Weather Forecast

**Vehicle:** STS-126, Endeavour/ISS ULF2 Multi-Purpose Logistics Module  
**Issued:** 14 November 2008 / 1200Z (0700EST)

**Synoptic Discussion:** A cold front is pushing eastward into the Florida panhandle. It is forecast to move through central Florida Saturday evening. Before this cold front arrives, a warm, moist air mass will remain over Florida, and this along with southeast flow over Kennedy Space Center (KSC) causes concerns for showers in the area near launch time. **The primary concerns for launch are showers within 20NM of the Shuttle Landing Facility (SLF) and cumulus clouds.**

<u>Clouds</u>	<u>Coverage</u>	<u>Bases (feet)</u>	<u>Tops (feet)</u>
Cumulus	3/8 Scattered	3,000	5,000
Alto cumulus	4/8 Scattered	8,000	10,000
Cirrus	5/8 Broken	20,000	22,000
<b>Weather:</b>	Isolated Showers Vicinity		
<b>Visibility:</b>	7 miles		
<b>Wind:</b>	150° @ 12 P 17 Knots (60 foot pad winds)		
<b>Temperature:</b>	74°F	<b>RH:</b> 84%	<b>Dewpoint:</b> 69°F

**Probability of KSC weather prohibiting launch:** 30%  
**Probability of KSC weather prohibiting tanking:** 0%  
**Primary concern(s):** Showers within 20NM of the SLF, cumulus clouds.

**Probability of KSC weather prohibiting launch for 24-hour delay:** 70%  
**Probability of KSC weather prohibiting tanking:** 5%  
**Primary concern(s):** Low cloud ceiling, showers within 20NM of the SLF.

**Probability of KSC weather prohibiting launch for 48-hour delay:** 20%  
**Probability of KSC weather prohibiting tanking:** 0%  
**Primary concern(s):** Low cloud ceiling.

<b>Sunrise:</b>	14/0644 EST 15/0645 EST 16/0646 EST	<b>Sunset:</b>	14/1729 EST 15/1729 EST 16/1729 EST	
<b>Moonrise:</b>	14/1845 EST 15/1952 EST 16/2103 EST	<b>Moonset:</b>	15/0930 EST 16/1031 EST 17/1122 EST	<b>Illumination:</b> 14 Nov: 97% 15 Nov: 91% 16 Nov: 83%

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