



Launch Mission Execution Forecast

Vehicle: Delta II / GPS IIR-20 (A8510)

Issued: 22 Mar 09 / 1600Z

Launch Weather Team: (321) 853-8484

Synoptic Discussion: No changes to current forecast thinking. Surface and upper level high pressure will be the dominant weather feature over the SE U.S and western Atlantic over the next several days. Persistent and strong onshore flow will result in scattered shower development over the offshore waters. **Current guidance has shower chances higher through about MST Roll on Monday, then decreasing as the launch window approaches. Forecast window direction is such that ground winds at lift off will not be a concern. Main concern during the countdown and launch window will be possibility of showers moving onshore near the launch site.**

<u>Clouds</u>	<u>Coverage</u>	<u>Bases (feet)</u>	<u>Tops (feet)</u>
Cumulus	SCT	3,000	5,000
Alto cumulus	SCT	6,000	8,000
Weather:	Showers in the vicinity		
Visibility:	10 Miles	Solar Activity:	Low
Wind:	090° @ 15 P 22 KT	Pressure:	30.22 INS
Temperature (54'):	62 - 64°F	RH:	75%

Launch day overall probability of violating weather constraints: 20%
Primary concern(s): Cumulus Cloud Rule, Precipitation

24-hour delay overall probability of violating weather constraints 20%
Primary concern(s): Cumulus Cloud Rule, Precipitation

Sunrise:	23 / 0723 EDT 24 / 0722 EDT 25 / 0720 EDT	Sunset:	23 / 1936 EDT 24 / 1936 EDT 25 / 1937 EDT	
Moonrise:	23 / 0529 EDT 24 / 0600 EDT 25 / 0630 EDT	Moonset:	23 / 1700 EDT 24 / 1757 EDT 25 / 1854 EDT	Illumination: 23 / 9% 24 / 4% 25 / 1%

Next forecast will be issued: 23 Mar 09