Launch Mission Execution Forecast

Vehicle: Falcon 9 PSN VI
Issued: 20 Feb 2019/1100 EST (1600 UTC)
Valid: 21 Feb 2019/2045-2117 EST (22/0145-0217 UTC)

Synoptic Discussion: Continued warm and partly cloudy conditions expected across Central Florida today. Southeast winds may bring a few shallow, isolated showers over the Space Coast, but thunderstorm risk remains very low with ridging in place, keeping mid-levels dry. Southeast winds will continue into the weekend, but will be lighter tomorrow and Friday. The primary weather concerns during launch attempts Thursday and Friday are cumulus clouds from showers and a slight risk of thick cloud layers reaching the 0°C level. Maximum upper level winds will be from the west at 60 knots near 40,000 feet each day.

<table>
<thead>
<tr>
<th>Clouds</th>
<th>Coverage</th>
<th>Bases (feet)</th>
<th>Tops (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumulus</td>
<td>Scattered</td>
<td>3,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Altostratus</td>
<td>Scattered</td>
<td>8,000</td>
<td>10,000</td>
</tr>
</tbody>
</table>

Weather: Isolated Showers
Surface Visibility: 7 Miles
Liftoff Winds (MPH): 150° @ 15-20 (200’)
Temperature: 72°F
Solar Activity: Low
Pressure: 30.15 inHg
RH: 82%

Launch day probability of violating launch weather constraints: 20%
Primary concern(s): Thick Cloud Layer Rule, Cumulus Cloud Rule

Delay day probability of violating launch weather constraints: 20%
Primary concern(s): Thick Cloud Layer Rule, Cumulus Cloud Rule

Sunrise: 21/0655 EST
          22/0654 EST
Sunset:  21/1817 EST
         22/1818 EST
Moonrise: 21/2047 EST
         22/2151 EST
Moonset: 22/0913 EST
         23/0952 EST
Illumination: 94% 87%

Next forecast will be issued: As Required