

## **Launch Mission Execution Forecast**

Mission: Falcon 9 COSMO-SkyMed

Issued: Valid:

ed: 30 Jan 2022 / 1830L (2330Z) d: 31 Jan 2022 / 1806 – 1817L (2306 – 2317Z)



**Forecast Discussion**: Continental surface high pressure will push off the Atlantic coast tonight into tomorrow with light onshore flow trending southeast on Monday. This will ensure a continuation of dry weather accompanied by light winds. Another surface ridge will build down from the north on Tuesday, with persistent onshore flow yielding a few more low-level clouds.

	Probability of Violating Weather Constraints										
Day	<10% Primary Concerns: Cumulus Cloud Rule										
lch	Weather Conditions								Additional Risk Criteria		
aunch	Weather/Visibility: None / 7 n			ıi.	Clouds Type Coverage Base (ft) Tops (ft)			Upper-Level Wind Shear:	Low		
Ľ	Temp/Humid	<b>ity</b> : 5	9°F / 60%		Cumulus	Few	3,000	5,000	Booster Recovery Weather:	Low	
	Liftoff Winds	<b>(200')</b> : 1	30° 5 - 10	mph					Solar Activity:	Low	
	Probability of Violating Weather Constraints										
Delay	10%	10% Primary Concerns: Cumulus Cloud Rule									
				Weather	Condition	s			Additional Risk Cri	Additional Risk Criteria	
24-Hour	Weather/Visibility: None / 7 mi.				Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low	
24	Temp/Humidity: 65°F / 65%			Cumulus	Scattered	3,000	6,000	Booster Recovery Weather:	Low		
	Liftoff Winds (200'): 080° 7 - 12 mph			mph	Cirrostratus	Broken	23,000	29,000	Solar Activity:	Low	
Note: The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, an temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.											
Next	ext Forecast Will Be Issued As Required										