

Next Forecast Will Be Issued | As Needed

Launch Mission Execution Forecast

Mission: Falcon 9 Mission Name

Issued: 17 August 2020 / 0730L (1130Z)

Valid: 18 August 2020 / 1026 – 1037L (1426 – 1437Z)



Forecast Discussion: A stalled frontal boundary across the region will continue to bring increased coverage of afternoon showers and storms across the Spaceport today. Activity will develop along the east coast sea breeze by midday, with prevailing southwest winds pushing additional activity back to the coast in the late afternoon and early evening. Most activity will clear by late evening, but the nearby front will bring a threat for morning showers and storms over the Atlantic near the Spaceport into the launch window. The primary concern for launch will be the Cumulus Cloud Rule due to these nearby showers and storms. The boundary is expected to lift north on Wednesday as the western Atlantic ridge rebuilds north. The primary concern for the backup launch window will remain the Cumulus Cloud Rule for Atlantic showers.

	Probability of Violating Weather Constraints								
Day	20% Primary Concerns: Cumulus Cloud Rule								
	Weather Conditions							Additional Risk Criteria	
annch	Weather/Visi	bility:	None / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
Ľ	Temp/Humid	ity:	83°F / 70%	Cumulus	Scattered	2,500	7,000	Booster Recovery Weather:	Low
	Liftoff Winds	(200'):	230° 7 - 12 mph	Cirrus	Scattered	25,000	35,000	Solar Activity:	Low
	Probability of Violating Weather Constraints								
20% Primary Concerns: Cumulus Cloud Rule									
ב	Weather Conditions							Additional Risk Criteria	
24-Hour	Weather/Visibility:		None / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
ᆣ	Temp/Humid	ity:	84°F / 72%	Cumulus	Few	2,500	5,000	Booster Recovery Weather:	Low
2				Cirrus	Scattered	05.000	35,000	Solar Activity:	Low