

Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 10-52

Issued: 14 Oct 2025 / 0900L (1300Z)

Valid: 16 Oct 2025 / 0242 – 0642L (0642 – 1042Z)



Forecast Discussion: Large high pressure over the eastern half of the U.S. will persist through the week, resulting in very favorable conditions over the Space Coast. Northeasterly flow will slowly increase as the high slides southeast, resulting in some offshore low-topped showers that could reach the coast, but dry air aloft will inhibit most from reaching any significant altitude. Therefore, there is only a slight chance of violating the Cumulus Cloud Rule. Another round of reinforcing cool air is expected by Thursday evening drying out the low-levels once again, so there are no concerns for violation on the backup day. Recovery area conditions will continue to see high seas as pressure gradient remains tight, with slightly more favorable conditions for the backup day as high pressure builds in and winds begin to drop.

	1								
	Probability of Violating Weather Constraints ¹								
Day	5% Primary Concerns: Cumulus Cloud Rule								
ch	Weather Conditions							Additional Risk Criteria ²	
aunch	Weather/Visi	bility : None / 7	' mi.	Туре	Cloud: Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
_	Temp/Humid	ity: 75°F / 7	5%	Cumulus	Few	3,000	9,000	Booster Recovery Weather:	Mod
	Liftoff Winds	(200') : 010° 14	- 22 mph					Solar Activity:	Low
,	Probability of Violating Weather Constraints								
Delay	<5% Primary Concerns: None								
	Weather Conditions						Additional Risk Criteria		
24-Hour	Weather/Visi	Weather/Visibility: None / 7 mi.		Туре	Cloud: Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
24	Temp/Humid	emp/Humidity: 74°F / 60%		Cumulus	Few	3,000	6,000	Booster Recovery Weather:	Low-Mod
• •		-							
	Liftoff Winds	(200 '): 040° 12	- 20 mph					Solar Activity:	High
Notes 7	The Proba Additional	bility of Violation (P Risk Criteria, which	PoV) is the chance	d in the PoV, are	mission-specifi	c constraints	s that may no	Solar Activity: ing any random time during the laur tinclude all phenomena within each upport.html for more information	ch window.