



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 4-20

Issued: 1 Sep 2022 / 0830L (1230Z)

Valid: 4 Sep 2022 / 2032 – 2210L (5/0032 – 0210Z)



Forecast Discussion: The subtropical ridge axis will push north of the area today and tomorrow, putting the Space Coast in a pattern of onshore flow. In this regime, morning showers are possible, but only a narrow window for thunderstorms over the Spaceport as the sea breeze progresses inland. This onshore flow will deepen over the weekend, increasing the chance for brief morning showers over the Spaceport, while decreasing the threat of thunderstorms as the sea breeze will hastily move inland by early afternoon each day. The primary launch weather concern for late Sunday or Monday evening will be the Cumulus Cloud Rule associated with onshore moving showers.

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Launch Day	20% Primary Concerns: Cumulus Cloud Rule																												
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Notes	<ol style="list-style-type: none"> The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime during the launch window. Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor. 																												
	See https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information																												
Next Forecast Will Be Issued	2 Sep 2022																												