



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 10-15

Issued: 23 Sep 2025 / 1000L (1400Z)

Valid: 25 Sep 2025 / 0436 – 0836L (0836 – 1236Z)



Forecast Discussion: High-pressure ridge over the southeastern U.S. will bring weak onshore flow and increasing low-level moisture resulting in daily afternoon seabreeze-associated showers and storms, mainly over the central and western portions of the state. Lack of significant steering flow may allow some development to creep back toward the Space Coast by evening hours but should diminish after sunset. Atlantic showers will be present overnight for both the primary and backup opportunities with most remaining well off the coast, so the Cumulus Cloud Rule is only a slight concern for both days.

| Launch Day | Probability of Violating Weather Constraints ¹ | | | | | |
|------------------------------|---|--------------------------------------|-----------|-----------|-----------|---------------------------------------|
| | 10% | Primary Concerns: Cumulus Cloud Rule | | | | |
| | Weather Conditions | | | | | Additional Risk Criteria ² |
| | Weather/Visibility: Iso Showers / 7 mi. | Clouds | | | | Upper-Level Wind Shear: Low |
| | Temp/Humidity: 78°F / 85% | Type | Coverage | Base (ft) | Tops (ft) | Booster Recovery Weather: Low |
| 24-Hour Delay | Liftoff Winds (200'): 150° 8 - 12 mph | Cumulus | Few | 2,000 | 9,000 | Solar Activity: Low |
| | Probability of Violating Weather Constraints | | | | | |
| | 10% | Primary Concerns: Cumulus Cloud Rule | | | | |
| | Weather Conditions | | | | | Additional Risk Criteria |
| | Weather/Visibility: Iso Showers / 7 mi. | Clouds | | | | Upper-Level Wind Shear: Low |
| Notes | Temp/Humidity: 78°F / 90% | Type | Coverage | Base (ft) | Tops (ft) | Booster Recovery Weather: Low |
| | Liftoff Winds (200'): 250° 5 - 10 mph | Cumulus | Scattered | 2,000 | 10,000 | Solar Activity: Low |
| | Cirrus | | | | | |
| | Scattered | | | | | |
| | 25,000 | | | | | |
| Next Forecast Will Be Issued | 24 Sep 2025 | | | | | |
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