

Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-63

Issued: 22 May 2024 / 0915L (1315Z)

Valid: 23 May 2024 / 1845 – 2245L (2245 – 24/0245Z)



Forecast Discussion: High Pressure is building back over the peninsula today and will persist through the end of the week. Northeasterly winds this morning will shift more easterly today and southeasterly by tomorrow afternoon. Dry, stable conditions will continue through at least Friday with only a few isolated showers expected each day at seabreeze initiation, which should move well inland by the launch window. Nevertheless, a stray onshore moving shower can't be ruled out, so the only concern is for the Cumulus Cloud Rule violation. On Friday, moisture increases marginally as the ridge slowly breaks down, so there is a slightly higher chance of a Cumulus Cloud Rule violation during the backup window.

	Probability of Violating Weather Constraints ¹								
Day	5% Primary Concerns: Cumulus Cloud Rule								
ch	Weather Conditions							Additional Risk Criteria ²	
aunch	Weather/Visi	bility : No	ne / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
_	Temp/Humid	ity: 80°	°F / 65%	Cumulus	Scattered	2,500	5,000	Booster Recovery Weather:	Low
	Liftoff Winds	(200') : 10	0° 10 - 15 mph	Cirrus	Scattered	30,000	35,000	Solar Activity:	Low
,	Probability of Violating Weather Constraints								
Delay	10% Primary Concerns: Cumulus Cloud Rule								
	Weather Conditions							Additional Risk Criteria	
24-Hour	Weather/Visibility: None / 7 mi.			Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
24	Temp/Humid	ity: 82	°F / 70%	Cumulus	Scattered	2,500	10,000	Booster Recovery Weather:	Low
	Liftoff Winds	(200') : 12	0° 15 - 20 mph	Cirrus	Scattered	30,000	35,000	Solar Activity:	Low
Notes		Risk Criteria,	which are not includ	ed in the PoV, are	mission-specific	constraints	s that may no	ing any random time during the laund t include all phenomena within each pdf for more information	