

SpaceX Starship Landing Site - Santiago - August

Latitude: 33.45 S Longitude: 86.65 W

Weather Days

Wave Height > 5.0 ft Mean: 21.9 days Range: 18.7 - 25.2 days p50:22 days p75:19.5 days p90:17 days
Wave Height > 6.5 ft Mean: 15.7 days Range: 11.9 - 19.6 days p50:15.5 days p75:13.5 days p90:9.5 days
Wave Height > 8.0 ft Mean: 8.2 days Range: 4.8 - 11.7 days p50:8 days p75:5.5 days p90:4 days

Wind Speed > 15.0 knots Mean: 4.9 days Range: 3.0 - 6.9 days p50:5.5 days p75:3.5 days p90:2.5 days
Wind Speed > 20.0 knots Mean: 0.6 days Range: 0.0 - 1.1 days p50:0.5 days p75:0.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.1 days Range: 0.0 - 0.3 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window

Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 0.1 times per month A 2 day or longer window will statistically occur 0.0 times per month A 3 day or longer window will statistically occur 0.0 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 1.4 times per month A 2 day or longer window will statistically occur 0.7 times per month A 3 day or longer window will statistically occur 0.3 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 3.1 times per month A 2 day or longer window will statistically occur 1.6 times per month A 3 day or longer window will statistically occur 1.2 times per month

Waves

Mean Height: 8 - 10 ft
The wave heights will occasionally reach 14 - 16 ft, but rarely higher.
Mean Period: 12 - 14 sec
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.
Principle Direction, from: SW
WindSea/Swell: 0% / 100%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 20 - 25 kts, but rarely greater.
Principle Direction, from: SE

Severe Storms

Severe storms with gale force winds and extreme waves are not expected during this month.