Winter Dutlook

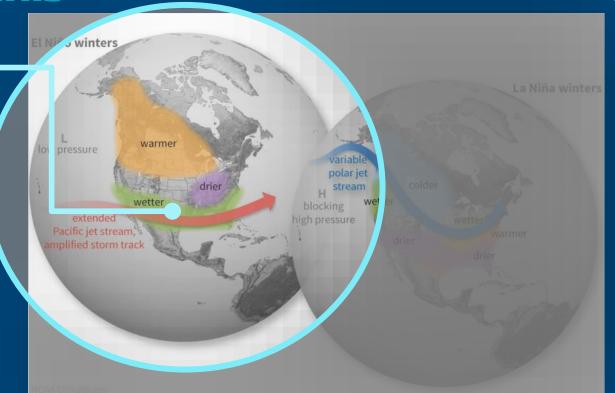
Juan Hernandez — Meteorologist NWS Fort Worth



The Niño Returns

El Niño Returns

Wetter Than Normal



What Is An Outlook?



...it doesn't attempt to predict the weather



...provides the likelihood of above/below normal precipitation or temperatures



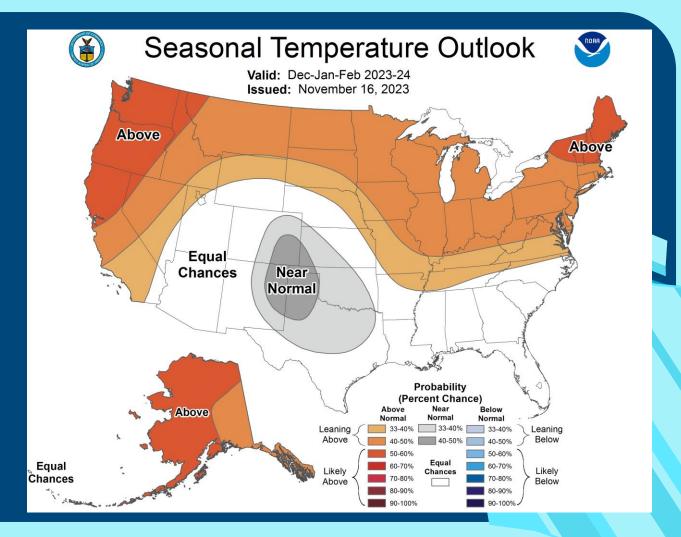
...cannot predict season snowfall amounts





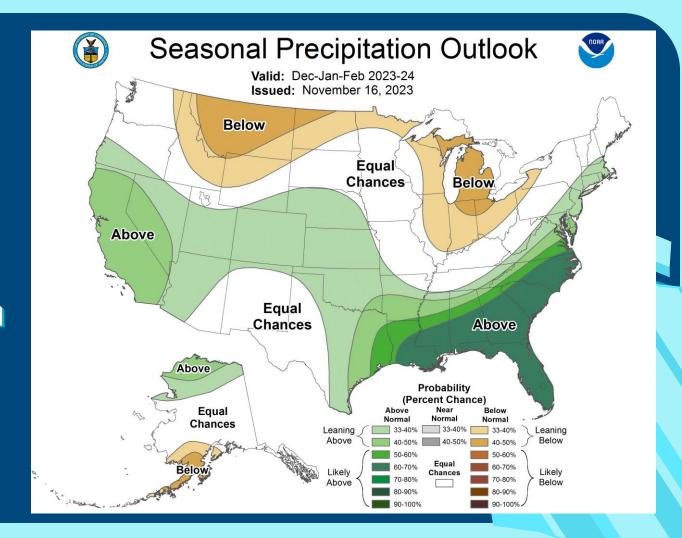


Winter OutlookTemperature



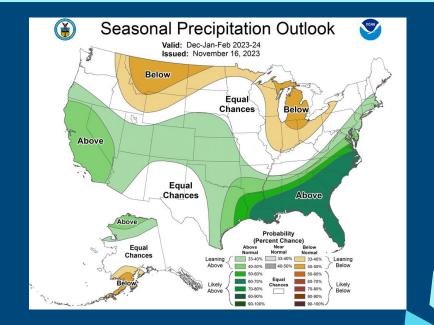


Winter
OutlookPrecipitation





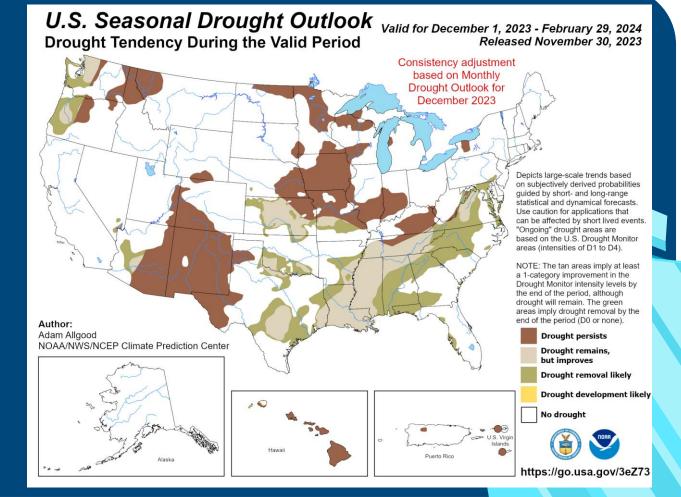
Winter OutlookPrecipitation



- Does NOT indicate number of winter weather events.
- Winter weather threats assessed daily.



Winter Outlook Drought



So, what does that mean?



Mostly This...



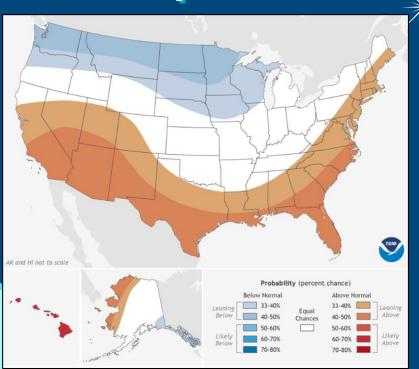




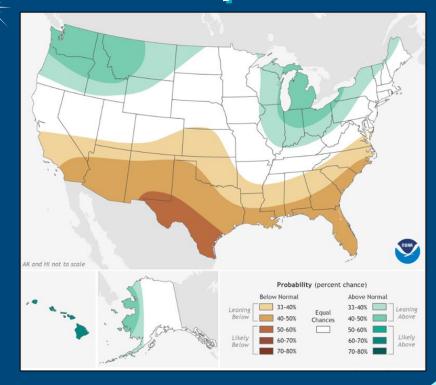


2022-2023 Review

Temperature



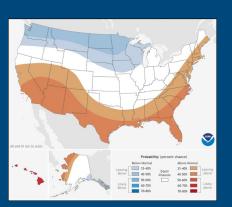
Precipitation



2022-2023 Review



emperatur



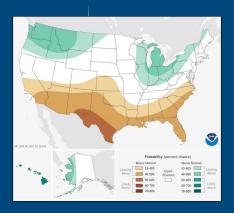
Average: 51.6°

Average High: 62.2°

Average Low: 41.3°

(+3.4°) (+3.8°) (+3.1°)

ecipitation



Precipitation: 7.74"

Snowfall: 1.3"

(-.39") (0)

Let's Look At The Past

The last "strong" El Niño was 2015-2016.

- Seasonal averages were similar to 2021-2022 (La Niña)
- Slightly below normal precipitation

Don't assume "strong" El Niño means much colder and more wintry precipitation...there's still a lot of variability!

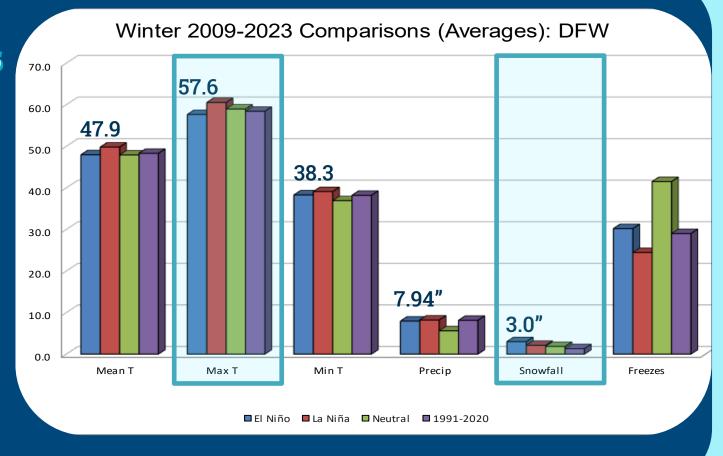


Climate Statistics

5 El Niño Winters Since 2010



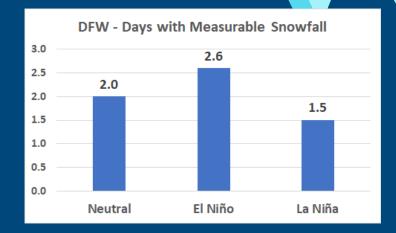
*Snow stats do not include the nearrecord 17.1" snowfall in the El Niño winter of 2009-2010



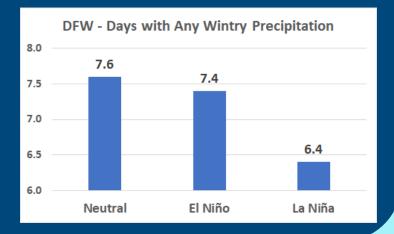




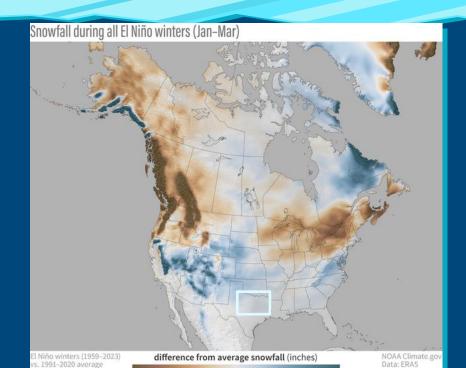
Climate Highlights: Wintry Precipitation



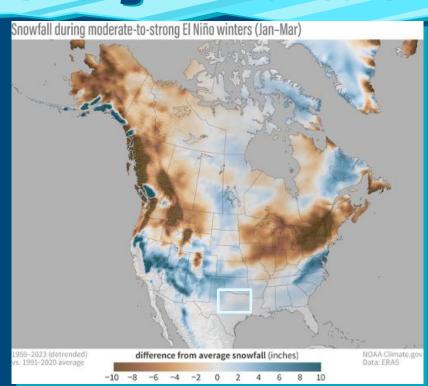
Since the late 1800, the DFW Metroplex has received some type of wintry precipitation EVERY YEAR!



Snowfall – All El Niño Years

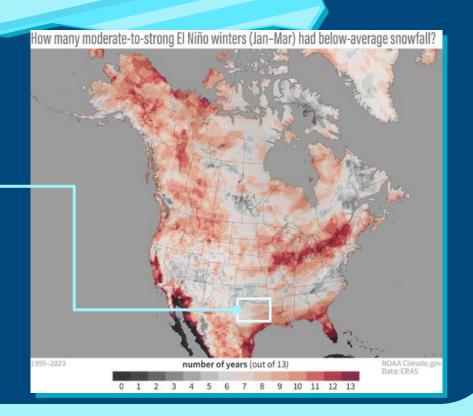


Snowfall – Moderate to Strong El Niño Years



Snow is Flakey!

7+ of the last 13 moderate – strong El Niño years have had below average snowfall.





Snow is Flakey!

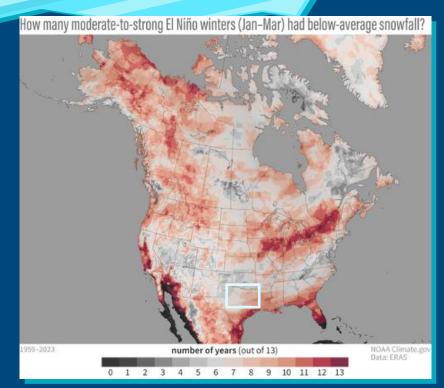
Other factors and global patterns affect the more immediate forecast.

Arctic Oscillation

- Can result in cold air deliveries into the Southern Plains.

Pacific Decal Oscillation

- Can offset the influence of ENSO depending on phase.



Winter Outlook

Juan Hernandez — Meteorologist NWS Fort Worth Juan.Hernandez@noaa.gov







Winter Storm Watch/Warning Criteria





Watch/Warning Criteria

- * Snow 3 inches or more
- * Ice 1/4 inch or more
- * Sleet ½ inch or more
- * Impacts pose a significant threat to society





Criteria

- * Significant impacts to power infrastructure are expected due to ice weighing down trees and powerlines.
- * ½" or more and light winds
- * 1/4" or more with sustained winds >15 mph





nws.fortworth@noaa.gov









nws.fortworth@noaa.gov

- All mass communication emails will be sent from nws.fortworth@noaa.gov
- Need any changes or have questions; reply to sender -nws.fortworth@noaa.gov



Email Formatting

- New email address was used last week (Wed. 11/29)
- Formatting Issues?

What We See



Bottom Line

A few strong to severe thunderstorms will be possible late Thursday morning through Thursday afternoon, primarily along/east of I-35 and south of Highway 84 (south and east of an Athens-Mexia-Temple line). Isolated tornadoes will be the primary hazard.

Overview

- The environment will support a few strong to severe storms across portions of eastern Central Texas and the Brazos Valley.
 - Isolated tornadoes will be the primary concern, but damaging wind gusts and marginally severe hail will be possible as well.
 - o Main time frame of concern is 11 AM 6 PM Thursday.
- There is a low threat for isolated severe hail across North Texas.
- Scattered showers, possibly a few thunderstorms, will develop primarily along/east of I-35 late tonight into early Thursday morning.
- More widespread showers and thunderstorms are expected to develop late Thursday morning through Thursday afternoon.
- · Precipitation will exit to the east late Thursday evening.
- Areas along/east of I-35 will likely see 0.5-1.5" of rainfall through Thursday evening with localized 2"+ totals possible, especially across our far eastern zones.

Areas of Concern and Impacts

What You See?

	Weather Forecast Office Fort Worth, TX
Botto	m Line
	rong to severe thunderstorms will be possible late this morning through this afternoon across eastern North and Central Texas. There is a low chance for in diameter primarily east of I-35 and a low chance for isolated tornadoes and damaging wind gusts across the Brazos Valley.
What	has Changed Since The Last Email:
	much but the best severe and tornado threat has pushed a little farther south and more out of our area.
Over	riew
	The environment will support a few strong to severe storms across portions of eastern Central Texas and the Brazos Valley.
	central reposition and the broken samely
	•
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	•
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100	
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Email Formatting



What We See



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Areas of Concern and Impacts

What You See?

Weather Forecast Office Fort Worth, TX	
Bottom Line A few storing to severe thunderstorms will be possible late this morning through this afternoon across eastern North and Central Texas. There is a low chance for up to 1° in dismater primarily each of 1:25 and a low chance for included brindedes and damaging wind guits across the brazes valley.	r hail
What has Changed Since The Last Email: Not very much but the best severe and tornado threat has pushed a little farther south and more out of our area.	
Overview	
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How are you viewing your email?

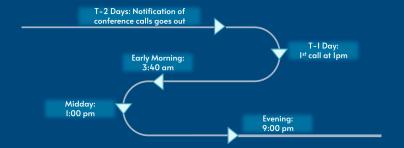
Gmail — Outlook — Microsoft — Apple





Winter Weather Conference Calls Timeline

No changes to the conference call rhythm



Winter Weather Conference Calls Timeline Days: Notification of

T-2 Days: Notification of conference calls goes out

Early Morning: 3:40 am

T-I Day:

Ist call at Ipm

Midday: 1:00 pm

Evening: 9:00 pm



Winter Weather Dashboard



Conference Calls Scheduled

Conference Call Times

Date	Time
11/13/2023	1:00 PM
11/13/2023	7:00 PM
11/14/2023	3:00 AM

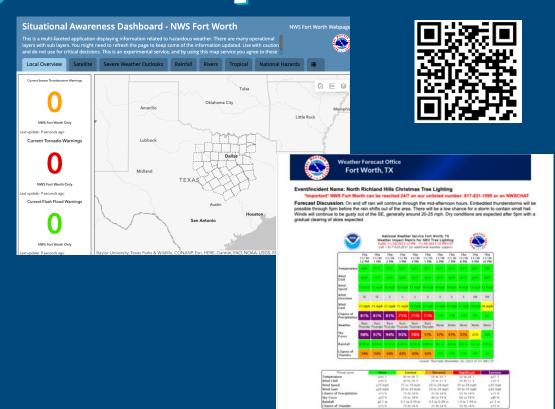






Weather.gov/fwd/partners

- Situational Awareness
 Dashboard
- Forecast Links
- Weather Sit Rep









Thank You!

Juan Hernandez <u>juan.Hernandez@noaa.gov</u>