

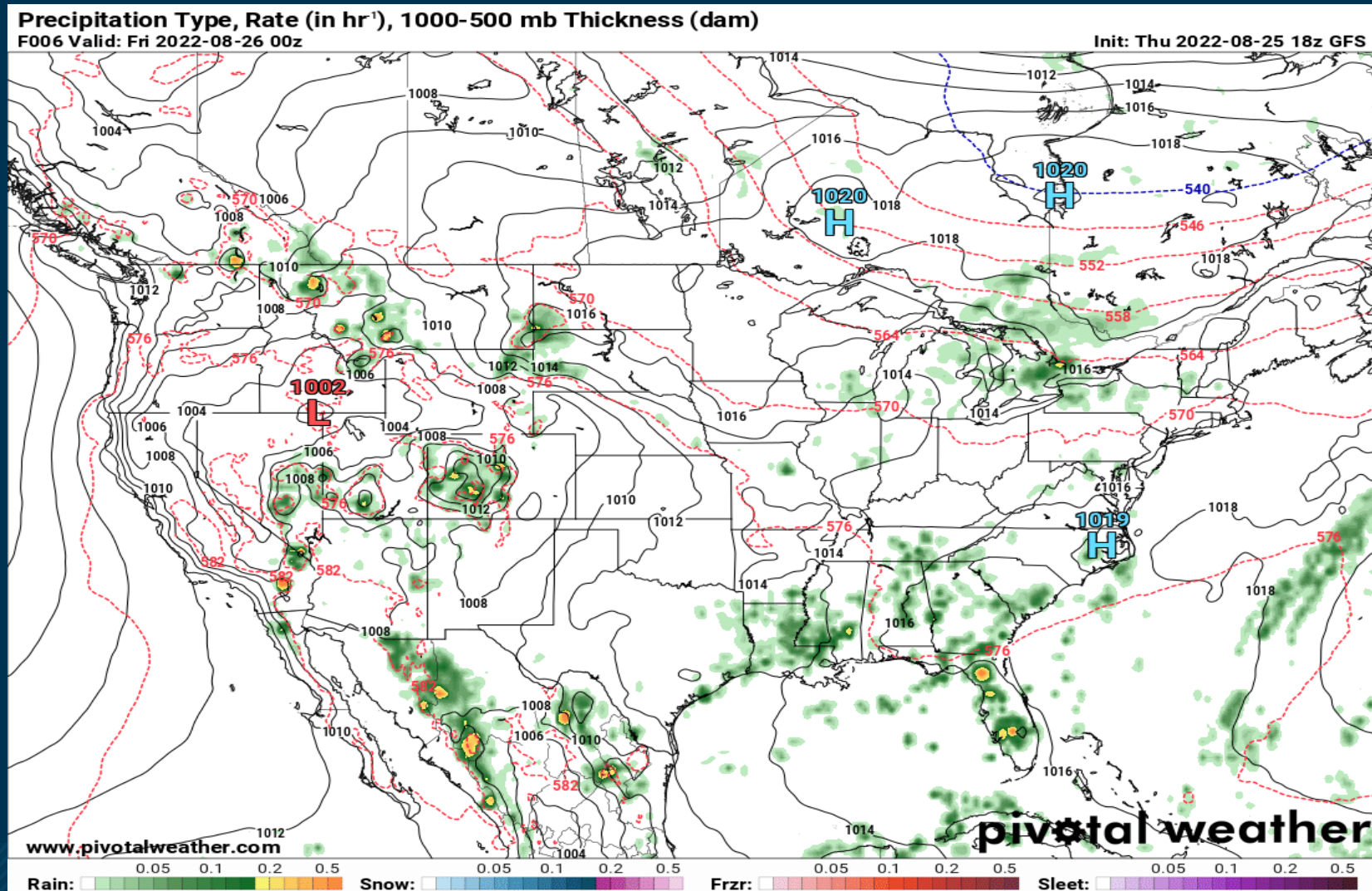


Weather, What's The Big Deal?

Ben Hartman

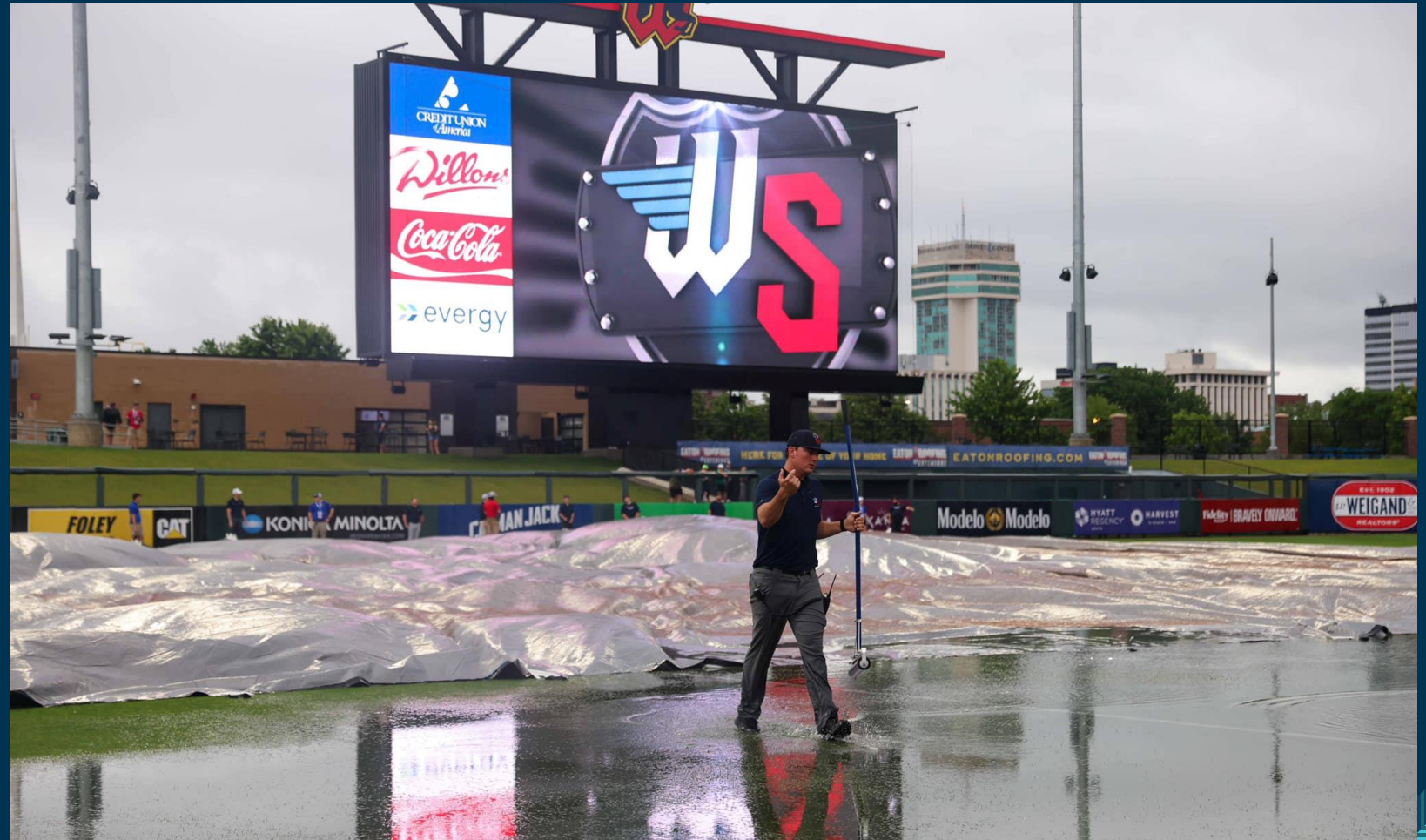
Field and Facilities Manager Wichita Wind Surge

Why Weather?



Key Objectives

- Preparation
- Communication
- Execution

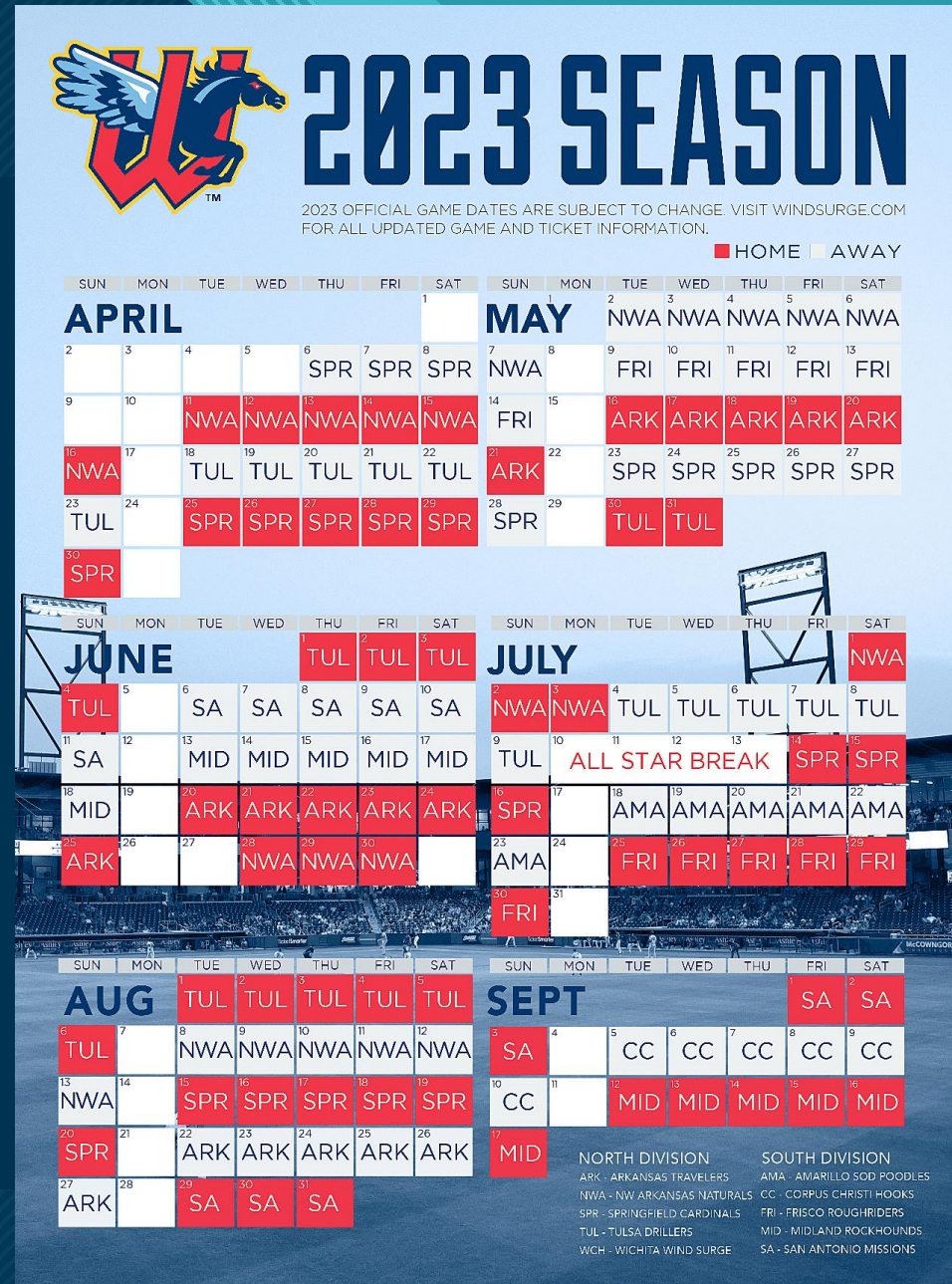


Preparation

- How many days out?
- Reading models
- Reading the forecast discussion
- Extra tips

How Many Days Out?

- Look at your schedule
- When do you need to begin
- “That came out of nowhere!”
 - No, it didn’t



Wichita Wind Surge 2023 SEASON

2023 OFFICIAL GAME DATES ARE SUBJECT TO CHANGE. VISIT WINDSURGE.COM FOR ALL UPDATED GAME AND TICKET INFORMATION.

■ HOME ■ AWAY

SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
APRIL							MAY						
									NWA	NWA	NWA	NWA	NWA
2	3	4	5	6	7	8	7	8	9	10	11	12	13
				SPR	SPR	SPR	NWA		FRI	FRI	FRI	FRI	FRI
9	10	11	12	13	14	15	14	15	16	17	18	19	20
		NWA	NWA	NWA	NWA	NWA	FRI		ARK	ARK	ARK	ARK	ARK
16	17	18	19	20	21	22	21	22	23	24	25	26	27
NWA		TUL	TUL	TUL	TUL	TUL	ARK		SPR	SPR	SPR	SPR	SPR
23	24	25	26	27	28	29	28	29	30	31			
TUL		SPR	SPR	SPR	SPR	SPR	SPR		TUL	TUL			
30													
SPR													
JUNE							JULY						
				TUL	TUL	TUL			NWA	NWA	TUL	TUL	TUL
4	5	6	7	8	9	10	4	5	6	7	8	9	10
TUL		SA	SA	SA	SA	SA	NWA	NWA	TUL	TUL	TUL	TUL	TUL
11	12	13	14	15	16	17	11	12	13	14	15	16	17
SA		MID	MID	MID	MID	MID	TUL		ALL STAR BREAK		SPR	SPR	
18	19	20	21	22	23	24	18	19	20	21	22	23	24
MID		ARK	ARK	ARK	ARK	ARK	SPR		AMA	AMA	AMA	AMA	AMA
25	26	27	28	29	30		25	26	27	28	29	30	31
ARK			NWA	NWA	NWA		AMA		FRI	FRI	FRI	FRI	FRI
							30	31					
							FRI						
AUG							SEPT						
		TUL	TUL	TUL	TUL	TUL							
6	7	8	9	10	11	12	3	4	5	6	7	8	9
TUL		NWA	NWA	NWA	NWA	NWA	SA		CC	CC	CC	CC	CC
13	14	15	16	17	18	19	10	11	12	13	14	15	16
NWA		SPR	SPR	SPR	SPR	SPR	CC		MID	MID	MID	MID	MID
20	21	22	23	24	25	26	17						
SPR		ARK	ARK	ARK	ARK	ARK	MID						
27	28	29	30	31									
ARK		SA	SA	SA									

NORTH DIVISION
 ARK - ARKANSAS TRAVELERS
 NWA - NW ARKANSAS NATURALS
 SPR - SPRINGFIELD CARDINALS
 TUL - TULSA DRILLERS
 WCH - WICHITA WIND SURGE

SOUTH DIVISION
 AMA - AMARILLO SOD POODLES
 CC - CORPUS CHRISTI HOOKS
 FRI - FRISCO ROUGHRIDERS
 MID - MIDLAND ROCKHOUNDS
 SA - SAN ANTONIO MISSIONS

Reading Models

- What are models?
- Which models to use?
- How to read them?
- Pivotal Weather

<https://www.pivotalweather.com/model.php>

Zulu Time

Daylight Saving Time (UTC offset)

Z-time	Guam (+10)	Hawaii (-10)	Alaska (-8)	Pacific (-7)	Mountain (-6)	Central (-5)	Eastern (-4)	Atlantic (-3)
00z	10 a.m.	2 p.m.*	4 p.m.*	5 p.m.*	6 p.m.*	7 p.m.*	8 p.m.*	9 p.m.*
01z	11 a.m.	3 p.m.*	5 p.m.*	6 p.m.*	7 p.m.*	8 p.m.*	9 p.m.*	10 p.m.*
02z	12 noon	4 p.m.*	6 p.m.*	7 p.m.*	8 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*
03z	1 p.m.	5 p.m.*	7 p.m.*	8 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*	12 mid
04z	2 p.m.	6 p.m.*	8 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*	12 mid	1 a.m.
05z	3 p.m.	7 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*	12 mid	1 a.m.	2 a.m.
06z	4 p.m.	8 p.m.*	10 p.m.*	11 p.m.*	12 mid	1 a.m.	2 a.m.	3 a.m.
07z	5 p.m.	9 p.m.*	11 p.m.*	12 mid	1 a.m.	2 a.m.	3 a.m.	4 a.m.
08z	6 p.m.	10 p.m.*	12 mid	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.
09z	7 p.m.	11 p.m.*	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.
10z	8 p.m.	12 mid	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.
11z	9 p.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.
12z	10 p.m.	2 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.
13z	11 p.m.	3 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.
14z	12 mid	4 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.
15z	1 a.m.#	5 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon
16z	2 a.m.#	6 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon	1 p.m.
17z	3 a.m.#	7 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon	1 p.m.	2 p.m.
18z	4 a.m.#	8 a.m.	10 a.m.	11 a.m.	12 noon	1 p.m.	2 p.m.	3 p.m.
19z	5 a.m.#	9 a.m.	11 a.m.	12 noon	1 p.m.	2 p.m.	3 p.m.	4 p.m.
20z	6 a.m.#	10 a.m.	12 noon	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.
21z	7 a.m.#	11 a.m.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.
22z	8 a.m.#	12 noon	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.
23z	9 a.m.#	1 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.

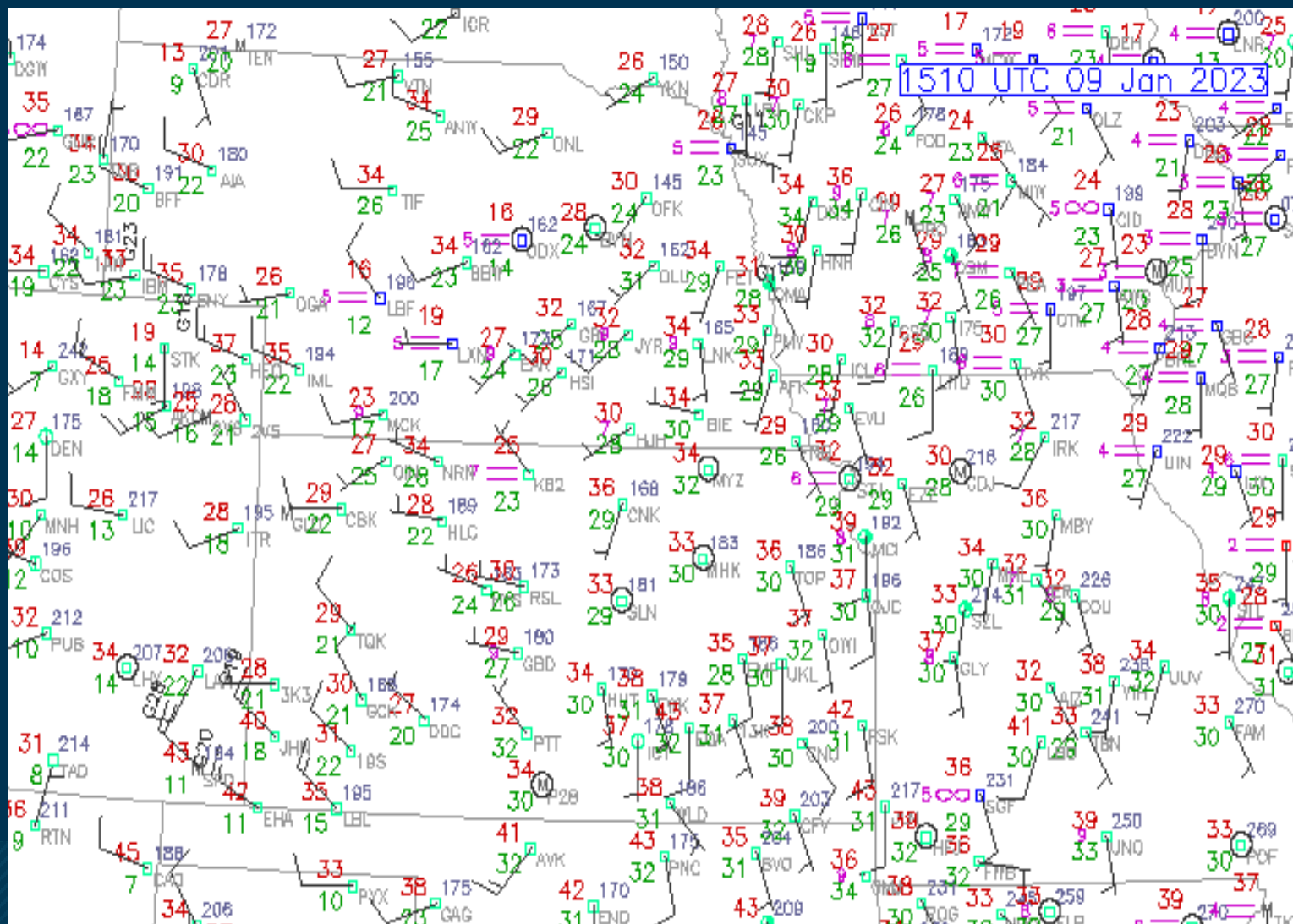
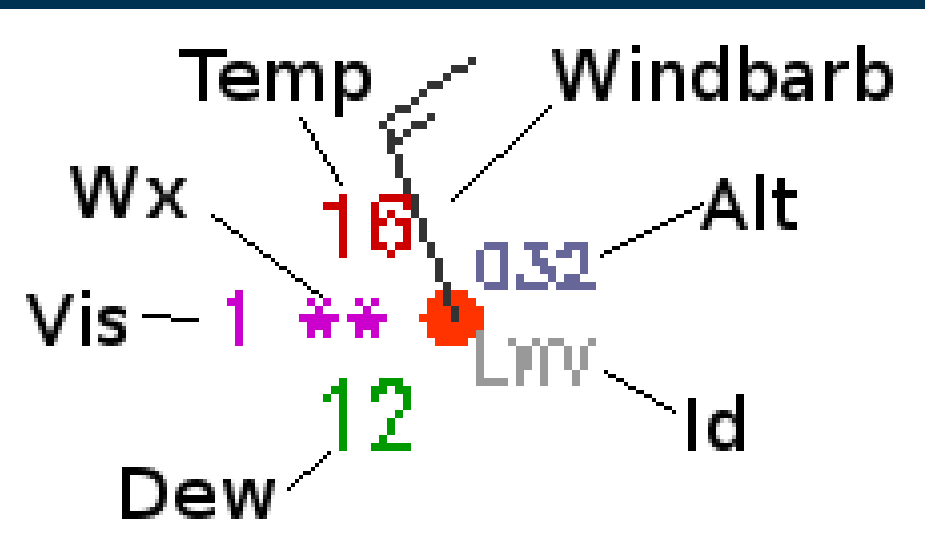
Note: *The previous day #The next day

Standard Time (UTC offset)

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03z	1 p.m.	5 p.m.*	6 p.m.*	7 p.m.*	8 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*
04z	2 p.m.	6 p.m.*	7 p.m.*	8 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*	12 mid
05z	3 p.m.	7 p.m.*	8 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*	12 mid	1 a.m.
06z	4 p.m.	8 p.m.*	9 p.m.*	10 p.m.*	11 p.m.*	12 mid	1 a.m.	2 a.m.
07z	5 p.m.	9 p.m.*	10 p.m.*	11 p.m.*	12 mid	1 a.m.	2 a.m.	3 a.m.
08z	6 p.m.	10 p.m.*	11 p.m.*	12 mid	1 a.m.	2 a.m.	3 a.m.	4 a.m.
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10z	8 p.m.	12 mid	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.
11z	9 p.m.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.
12z	10 p.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.
13z	11 p.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.
14z	12 mid	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.
15z	1 a.m.#	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.
16z	2 a.m.#	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon
17z	3 a.m.#	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon	1 p.m.
18z	4 a.m.#	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon	1 p.m.	2 p.m.
19z	5 a.m.#	9 a.m.	10 a.m.	11 a.m.	12 noon	1 p.m.	2 p.m.	3 p.m.
20z	6 a.m.#	10 a.m.	11 a.m.	12 noon	1 p.m.	2 p.m.	3 p.m.	4 p.m.
21z	7 a.m.#	11 a.m.	12 noon	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.
22z	8 a.m.#	12 noon	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.
23z	9 a.m.#	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.

Note: *The previous day #The next day

METARs plot



www.weather.gov

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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Local forecast by "City, St" or ZIP code
Enter location
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News Headlines
• [Today in weather history...](#)

Watches, Warnings & Advisories
SIGNIFICANT SEVERE STORMS ARE POSSIBLE ON FRIDAY AFTERNOON AND EVENING
Click to view briefing.

MY FORECAST
Wichita KS

Mostly Cloudy
74°F
23°C [Get Detailed Info](#)

This Afternoon

Mostly Sunny
High: 78°F

Tonight

40%
Chance T-storms
Low: 64°F

NWS Forecast Office Wichita, KS
[Weather.gov](#) > Wichita, Kansas

Wichita, Kansas
Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

Click a location below for detailed forecast.

Watches, Warnings & Advisories
Red Flag Warning
High Wind Watch
Hazardous Weather Outlook
Short Term Forecast

Last Map Update: Thu, Apr. 28, 2022 at 2:25:14 pm CDT

What, Where, When, How Bad



Severe Storms Friday Late Afternoon

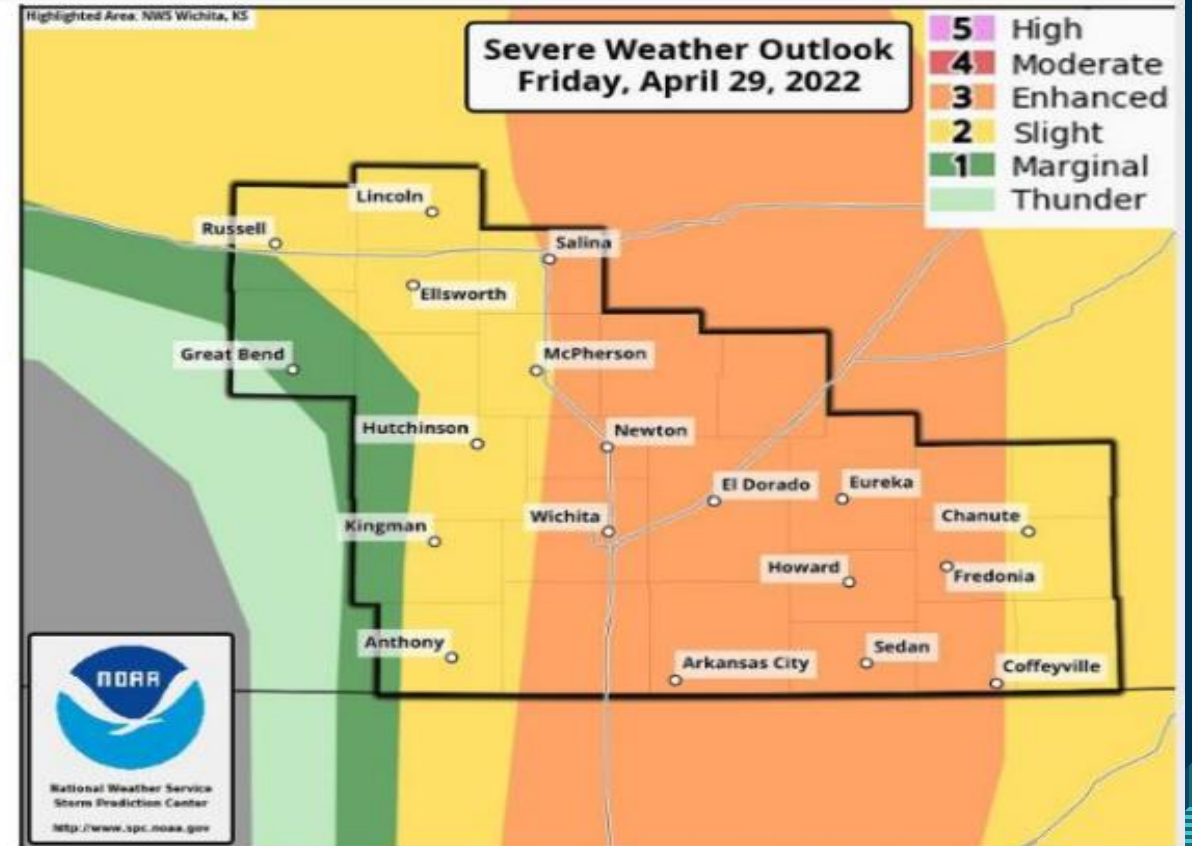
April 28, 2022
4:33 AM

Key Messages

- Severe storms possible late Friday afternoon and Friday evening

Hazards:

- Very large hail up to the size of baseballs
- Damaging winds (70+ mph)
- Tornadoes, a couple of which could be significant (EF 2+)



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Wichita, Kansas

Forecast Discussion

Area Forecast Discussion

National Weather Service Wichita KS
606 AM CDT Fri Sep 2 2022

.SHORT TERM...(Today through Saturday
night)

Issued at 309 AM CDT Fri Sep 2 2022

Water vapor imagery currently shows an upper impulse slowly tracking across northeast OK with some additional energy diving southeast across the Northern Plains. At the surface, weak trough extends from northern MN into Western Nebraska with a very moist airmass in place across the southern Plains.

Satellite imagery shows low clouds quickly developing across south central KS and current thinking is that they will continue to expand early this morning. There will also be a chance for some patchy fog to accompany the low ceilings this morning, especially for areas along and west of I-135. Low clouds are expected to burn off by the afternoon hours.

Weak cold front is expected to push south across the northern/central Plains today and by the late afternoon will extend from southeast Nebraska into north central KS. Storms will be possible along the front and any storms that develop will track south. Current thinking is that with lack of capping and plenty of instability, a few storms will develop along the front, but confidence in widespread activity is low. This is mainly due to lack of upper level support. **However, any activity that develops will dive south and may impact central KS, likely in the 23z-02z time frame.**

By Sat morning, the upper impulse currently over northeast OK will be approaching western portions of the Ohio/Tennessee Valleys as upper ridging continues to build from the Desert Southwest and across the Rockies. Even with deep northerly flow for Sat, temps are still forecast to be near or even slightly above seasonal normals.

LONG TERM...(Sunday through Thursday)

Issued at 309 AM CDT Fri Sep 2 2022

For Sun into Mon, the piece of energy that will move into the Ohio/Tennessee Valley will stall as a weak upper trough will develop from this area into the Arklatex region. Meanwhile, there is good model agreement in a small/compact upper impulse tracking over the Northern Rockies and into the Northern Plains by Mon afternoon. This setup is expected to keep the bulk of the precip tied to the upper trough, well southeast of the forecast area. Medium range models start to diverge in their solution beyond Tue. The ECMWF and Canadian retrograde the energy to the east, tracking it near the Ozark region for Wed into Thu. Meanwhile the GFS keeps this feature well east of the forecast area and does not bring it back to the west. If the ECMWF/Canadian verifies, it would mean increased precip chances for eastern KS.

As far as temps go, will keep them a few degrees above seasonal averages, but it doesn't look like anything too extreme for these extended periods.

Extra Tip



Communication

- Select who needs to know
- How soon does communication need to start?
- What does this process look like?



Who needs to know?

- Keep it limited
- Keep it brief
- Be ready to answer questions
- If you develop a working relationship, it will pay dividends



How soon does communication begin?

- Think about what works for you
- Typically, will sit down with GM Thu/Fri before homestand and then sit down every morning during up until the event
- Get with the coaches right away as soon as they get in
- Send CC text and then get with them when they get in



The
Importance of
**The Right
Timing**

Execution

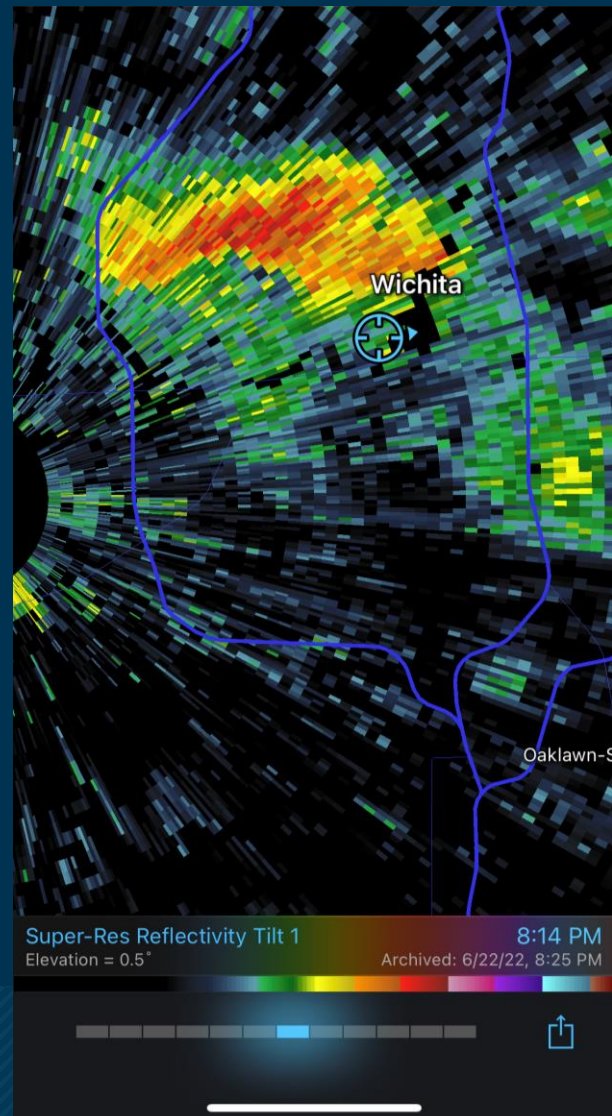
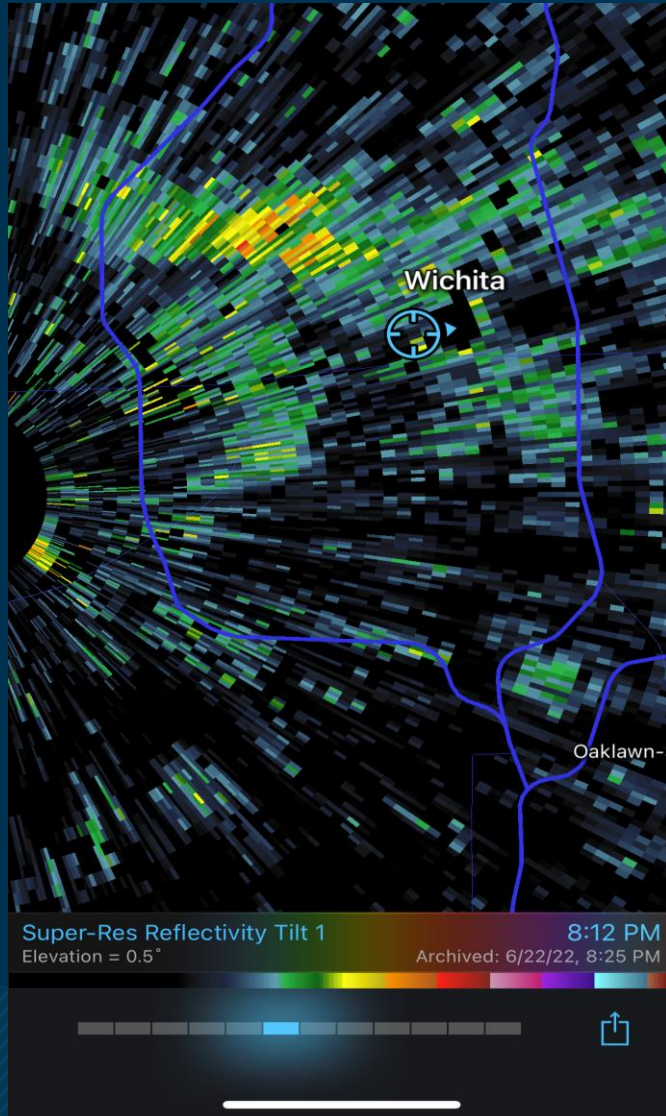


When it rains, put the tarp on, right?

- Who needs to be apart of the process?
- A few things folks might not know
- Tips for a successful pull

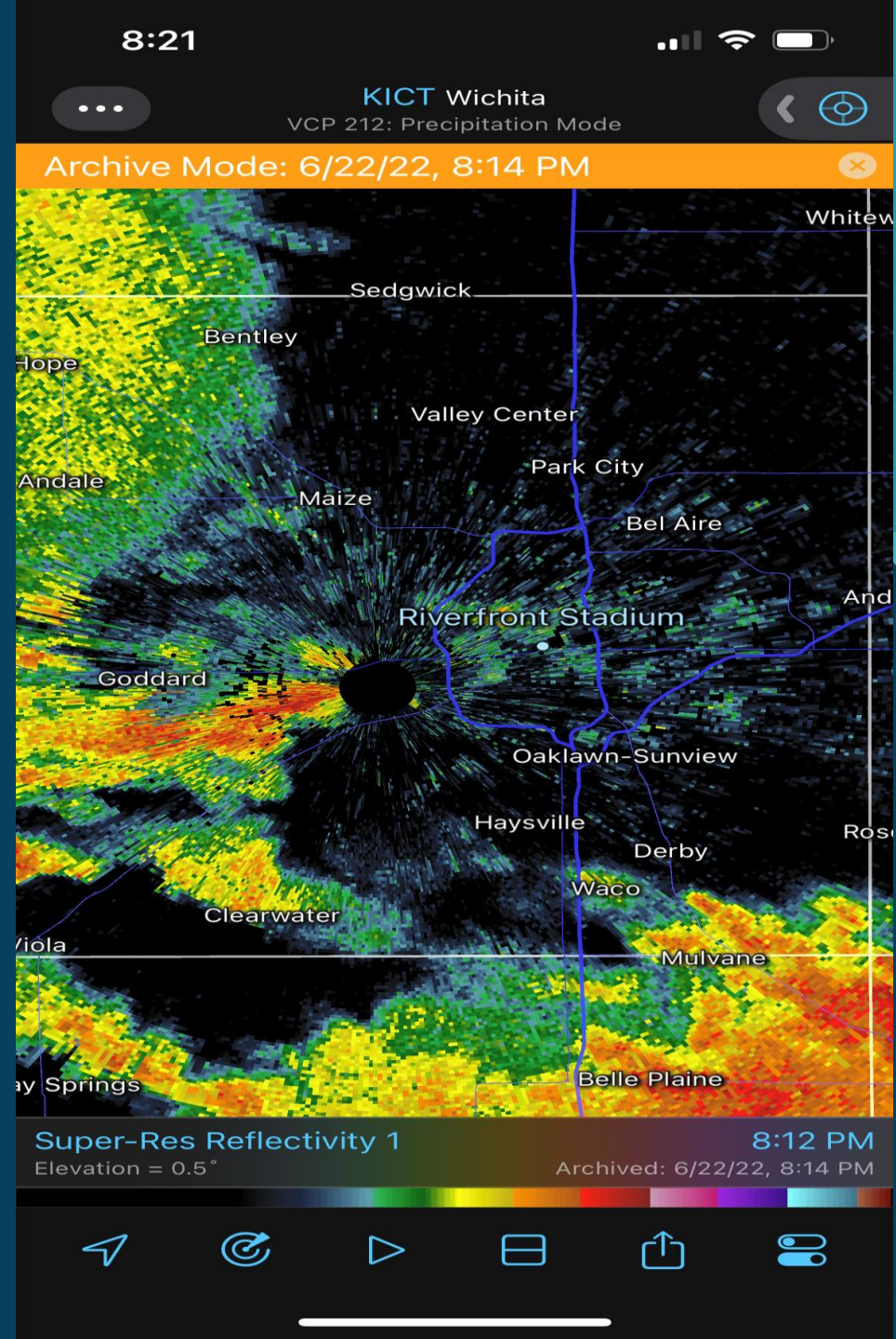


Radar Scope



Tips for reading the radar

- Pick your outline
- Use tilt to your advantage
- “Cone of silence”



Plan for worst case

- Tornado action plan
- Severe weather action plan
- Warnings / Responsibilities

Tornado Warning means **Take Action**
a Tornado is Expected

- Take shelter indoors immediately
- If driving find the nearest shelter
- Check forecast updates
- Stay weather ready



Weather-Ready Nation
National Oceanic and Atmospheric Administration

National Weather Service
[weather.gov/tornado](https://www.weather.gov/tornado)

Questions?

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