

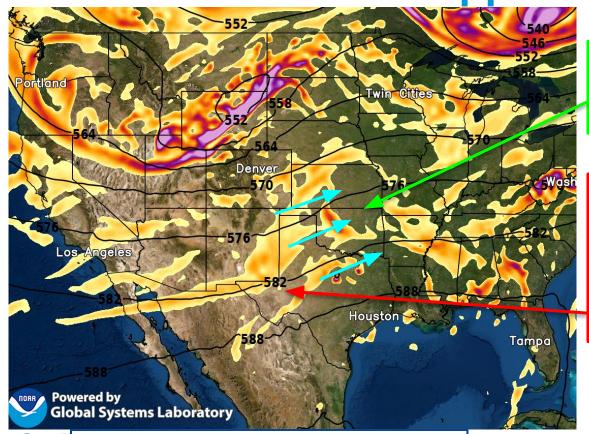
# San Angelo Hail Storm 5/23/2024 Wind Damage/Cross Plains Tornado 5/25/2024

NWS San Angelo

#### **Overview**

- A severe thunderstorm moved through the San Angelo area on 5/23, bringing baseball size hail and 73 mph winds, causing widespread damage in the city.
- Severe storms during the afternoon and overnight periods of 5/25 produced wind damage, as well as a couple tornadoes

#### **Weather Pattern - Upper Levels**

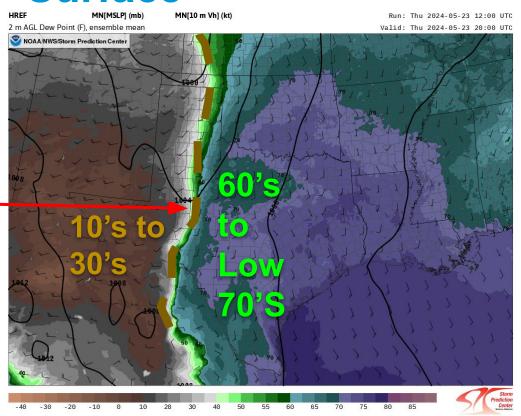


Southwest Flow **Aloft** 

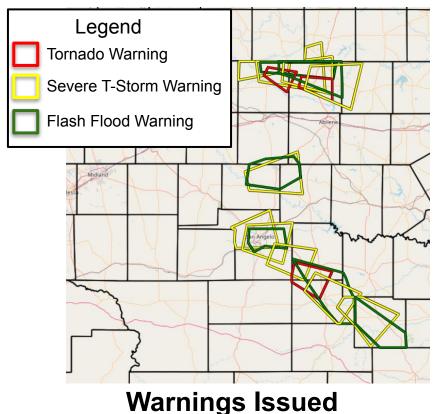
Weak upper level disturbance helps bring some lift to the region

#### **Weather Pattern - Surface**

Strong Dry-line centered across West Central Texas, which results in strong convergence and a focal point for storm development



### Warnings and Storm Reports - May 23





#### Warnings - May 23 - San Angelo Area

#### <u>Severe T-Storm Warning</u> (BASE)

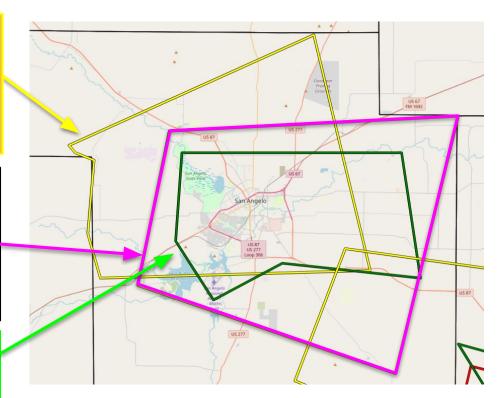
- Ping Pong ball size hail and 60 mph winds
- Issued at 4:30 pm
- Effective through 5:15pm

#### <u>Severe T-Storm Warning</u> (DESTRUCTIVE)

- Baseball Size Hail and 70 mph Winds
- Issued at 4:53 pm
- Effective through 5:45pm

#### Flash Flood Warning

- Issued at 5:04 pm
- Effective through 7:00pm



Warnings Issued

#### **Storm Reports - May 23 - San Angelo Area**

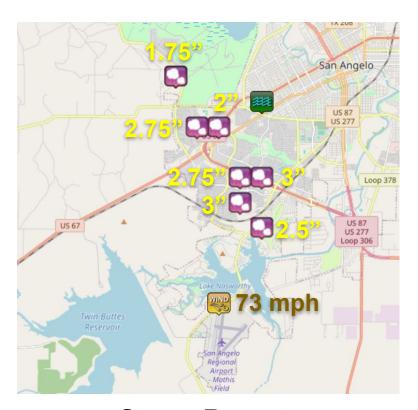
Legend

Tornado

Large Hail

Severe Winds

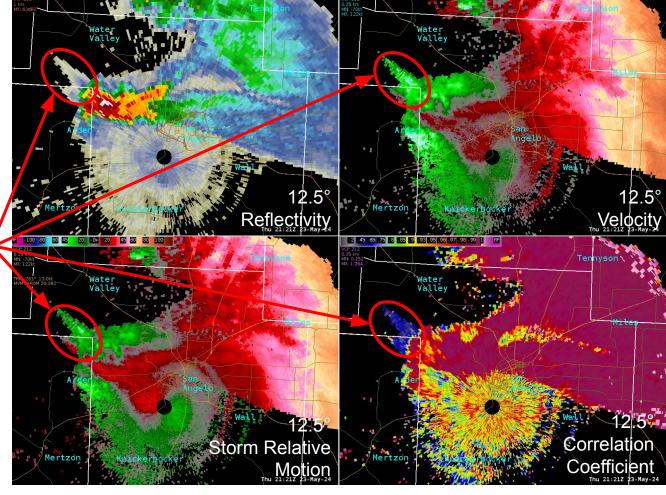
T-Storm Wind Damage



**Storm Reports** 

## San Angelo Hail Storm May 23, 2024 Radar Imagery from KSJT Radar 4:21 pm

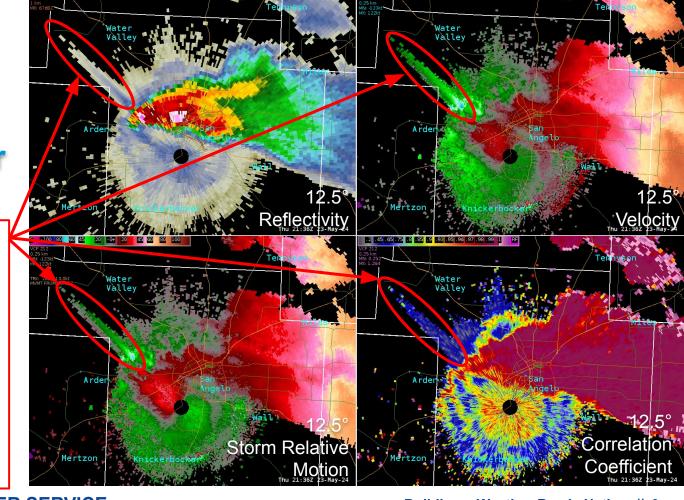
First indications of a "hail spike" signature on radar. Indicates severe (1+ inch) hail.





San Angelo
Hail Storm
May 23, 2024
Radar Imagery
from KSJT Radar
4:36 pm

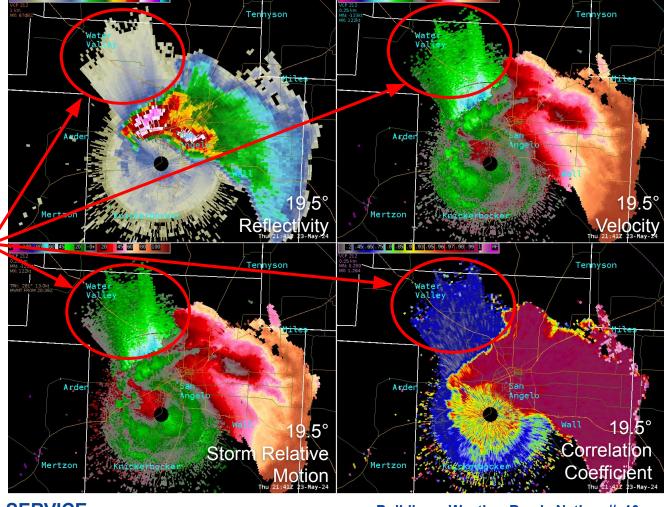
"Hail spike"
signature on radar
becomes more
pronounced.
Indicates very
large/giant hail
stones.





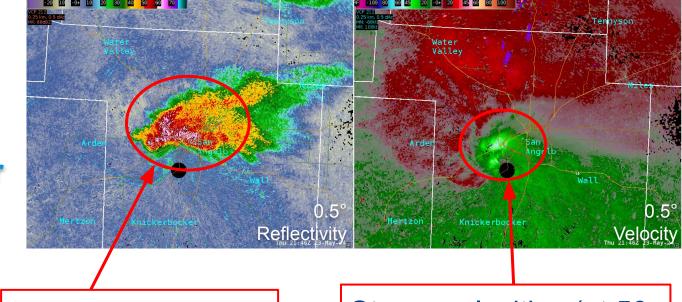
San Angelo
Hail Storm
May 23, 2024
Radar Imagery
from KSJT Radar
4:41 pm

Massive "hail spike" signature on radar. Indicates very large/giant hail stones.





San Angelo
Hail Storm
May 23, 2024
Radar Imagery
from KSJT Radar
4:46 pm



Radar reflectivities 60-65 dBZ indicate severe hail Strong velocities (at 50 kt) indicating potential for damaging wind gusts of 60+ mph.

### Hail Photos/Damage - 5/23





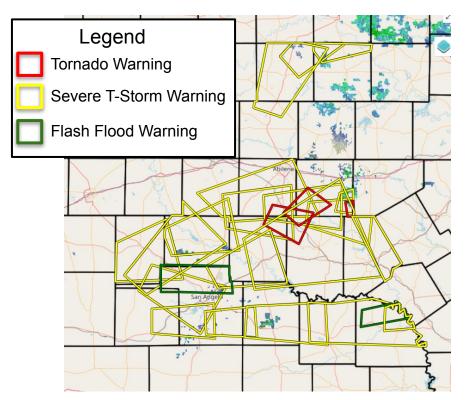


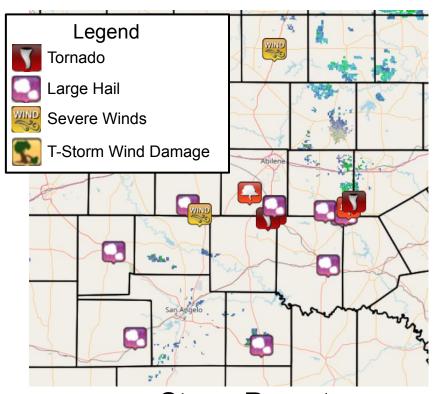
## **Hail Photos/Damage - 5/23**





### Warnings and Storm Reports - May 25





Warnings Issued
NATIONAL WEATHER SERVICE

**Storm Reports** 

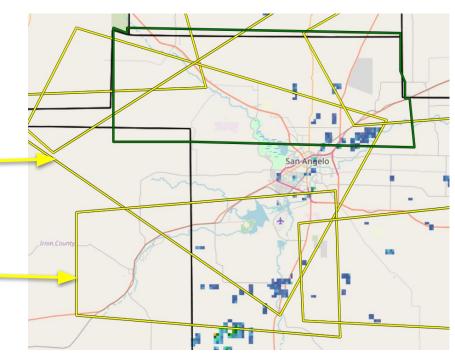
#### Warnings - May 25 - San Angelo Area

#### **Severe T-Storm Warning**

- Quarter size hail and 70 mph winds
- Issued at 1:29 am
- Effective through 2:15 am

#### **Severe T-Storm Warning**

- Quarter size hail and 60 mph winds
- Issued at 3:18 am
- Effective through 4:00 am

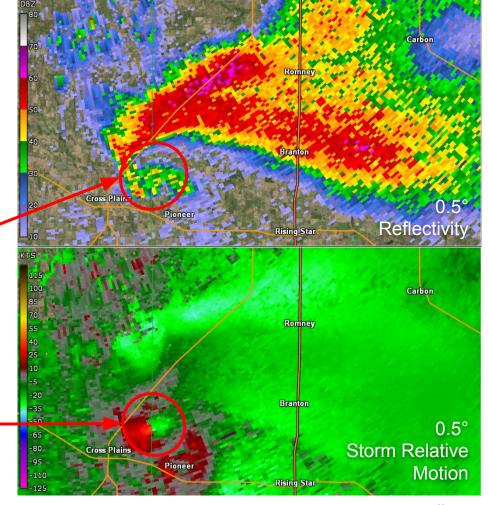


**Warnings Issued** 

## Cross Plains Tornado May 25, 2024 Radar Imagery from KDYX Radar 5:39 pm

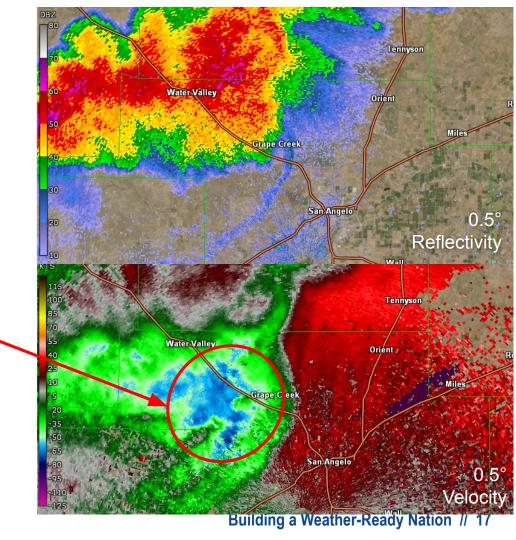
"Hook" Signature

Tight Rotation Couplet

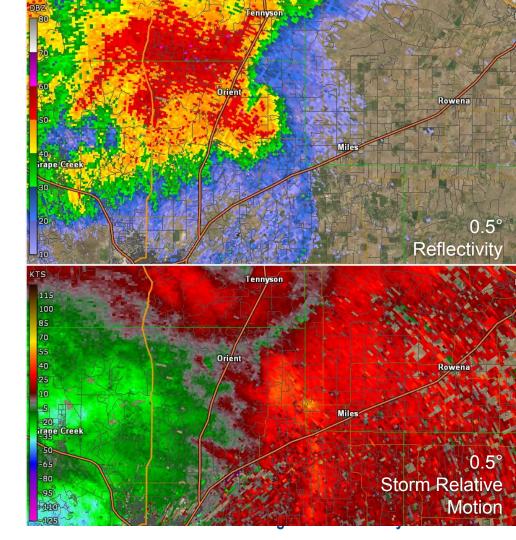


# Carlsbad/Grape Creek Damaging Winds May 26, 2024 Radar Imagery from KSJT Radar 1:48 am

Very strong velocities (~60-70 kt) indicated on radar



Miles
Damaging Winds
May 26, 2024
Radar Imagery
from KSJT Radar
2:07 am



## Carlsbad/Grape Creek Wind Damage - 5/25



## Miles Wind Damage - 5/25



