

WARNGEN:

TIPS AND TRICKS

TOPICS

- Warngen GUI Review
- AWW notes
- Line of Storms
- Polygon bugs
- Port Aransas Warnings
- Text Output Notes
- Follow-Up Statements

WarnGen

Product Polygon Options

Backup WFO: none

Track type

One Storm

Line of Storms

Edit

Box

Track

Box and Track

Redraw Box on Screen from:

Warned Area Visible

Track Warned/Hatched Area Preset Threat Area

Product type

Tornado Warning UPDATE LIST

Severe Thunderstorm Warning

Severe Weather Statement

Flash Flood Warning

Flash Flood Statement

Special Marine Warning

Marine Weather Statement (follow-up to SMW)

Airport Weather Warning

Other: Non-Convective FFW (incl. Dam Break)

Time Range

Duration: 45 min

17:22 Mon 14-Jan to 18:07 Mon 14-Jan Change...

***** BASIS FOR WARNING (CHOOSE 1) *****

Doppler radar indicated

Trained spotters reported

Law Enforcement Reported

Emergency Management Reported

Public reported

***** THREAT (CHOOSE UP TO 1 EACH WIND/HAIL) *****

60 mph wind

70 mph wind

80 mph wind

90 mph wind

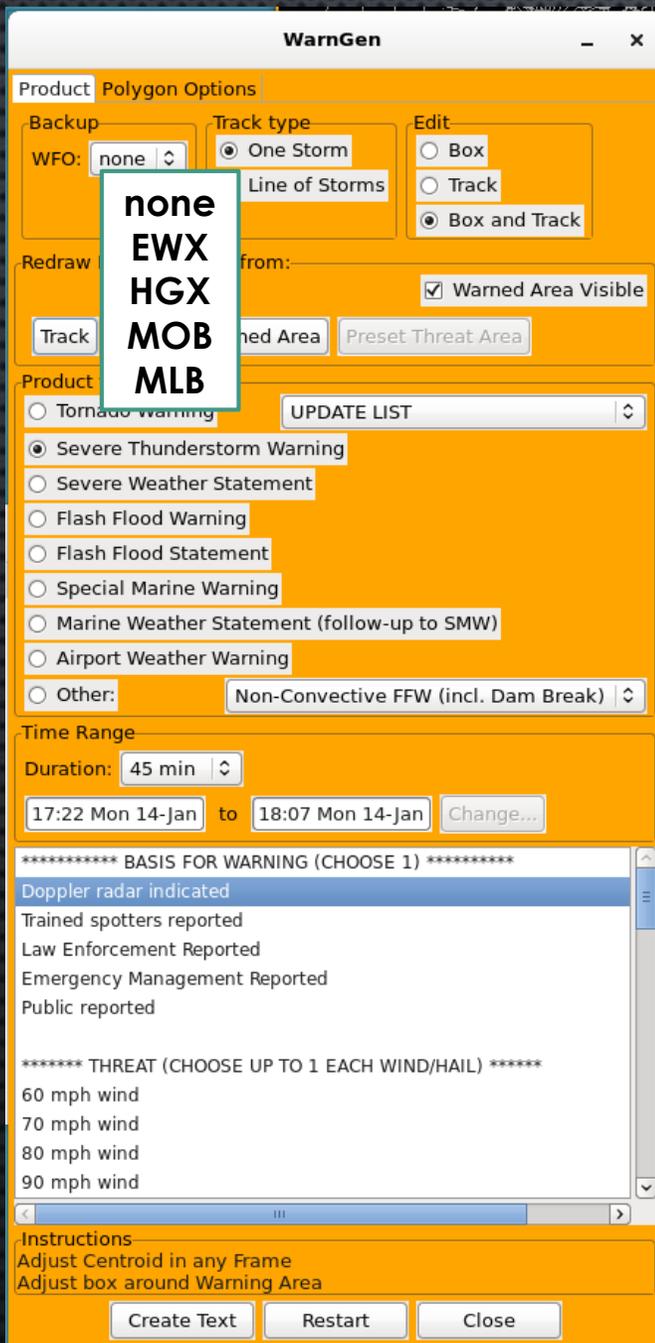
Instructions

Adjust Centroid in any Frame

Adjust box around Warning Area

Create Text Restart Close

- Backup Operations
- Track Type
- Edit
- Track Button
- Warned/Hatched Area Button
- Preset Threat Area Button
- Restart Button



- Backup for warning operations is completely independent of GFE.
- Just change the office in the backup box in the gui.
- After a brief pause, WarnGen GUI will then have configuration for the backup office.

WarnGen

Product Polygon Options

Backup WFO: none

Track type

- One Storm
- Line of Storms

Edit

- Box
- Track
- Box and Track

Redraw Box on Screen from:

Warned Area Visible

Track Warned/Hatched Area Preset Threat Area

Product type

- Tornado Warning UPDATE LIST
- Severe Thunderstorm Warning
- Severe Weather Statement
- Flash Flood Warning
- Flash Flood Statement
- Special Marine Warning
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- 80 mph wind
- 90 mph wind

Instructions

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Adjust box around Warning Area

Create Text Restart Close

- Backup Selection
- **Track Type**
- **Edit**
- Track Button
- Warned/Hatched Area Button
- Preset Threat Area Button
- Restart Button

WarnGen

Product Polygon Options

Backup WFO: none

Track type

One Storm
 Line of Storms

Edit

Box
 Track
 Box and Track

Redraw Box on Screen from: Warned Area Visible

Track Warned/Hatched Area Preset Threat Area

Product type

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 Severe Thunderstorm Warning
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Instructions
 Adjust Centroid in any Frame
 Adjust box around Warning Area

Create Text Restart Close

• Track Type

- Options for Warning on a single storm or a line of storms
- More on this later

• Edit

- Leave on “Box and Track”
- If Track is selected you would be unable to adjust the box verticies.

WarnGen

Product Polygon Options

Backup WFO: none

Track type One Storm Line of Storms

Edit Box Track Box and Track

Redraw Box on Screen from: Warned Area Visible

Track Warned/Hatched Area Preset Threat Area

Product type Tornado Warning UPDATE LIST Severe Thunderstorm Warning Severe Weather Statement Flash Flood Warning Flash Flood Statement Special Marine Warning Marine Weather Statement (follow-up to SMW) Airport Weather Warning Other: Non-Convective FFW (incl. Dam Break)

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Adjust box around Warning Area

Create Text Restart Close

- Backup Selection
- Track Type
- Edit
- **Track Button**
- Warned/Hatched Area Button
- Preset Threat Area Button
- Restart Button

WarnGen

Product Polygon Options

Backup WFO: none

Track type
 One Storm
 Line of Storms

Edit
 Box
 Track
 Box and Track

Redraw Box on Screen from:
 Warned Area Visible

Track Warned/Hatched Area Preset Threat Area

Product type
 Tornado Warning UPDATE LIST
 Severe Thunderstorm Warning
 Severe Weather Statement
 Flash Flood Warning
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90 mph wind

Instructions
Adjust Centroid in any Frame
Adjust box around Warning Area

Create Text Restart Close

• Track

- Redraws polygon based on Time selections and storm speed.
- Important to do this after making changes to any of these.
- Default polygon box is sized to be the proper length for the duration and storm movement you determine.

WarnGen

Product Polygon Options

Backup: WFO: none

Track type:
 One Storm
 Line of Storms

Edit:
 Box
 Track
 Box and Track

Redraw Box on Screen from:
 Warned Area Visible

Track: **Warned/Hatched Area** Preset Threat Area

Product type:
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 80 mph wind
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Instructions
 Adjust Centroid in any Frame
 Adjust box around Warning Area

Create Text Restart Close

- Backup Selection
- Track Type
- Edit
- Track Button
- **Warned/Hatched Area Button**
- Preset Threat Area Button
- Restart Button

WarnGen

Product Polygon Options

Backup WFO: none

Track type:

- One Storm
- Line of Storms

Edit:

- Box
- Track
- Box and Track

Redraw Box on Screen from:

- Warned Area Visible

Track: Warned/Hatched Area (highlighted in red box) Preset Threat Area

Product type:

- Tornado Warning UPDATE LIST
- Severe Thunderstorm Warning
- Severe Weather Statement
- Flash Flood Warning
- Flash Flood Statement
- Special Marine Warning
- Marine Weather Statement (follow-up to SMW)
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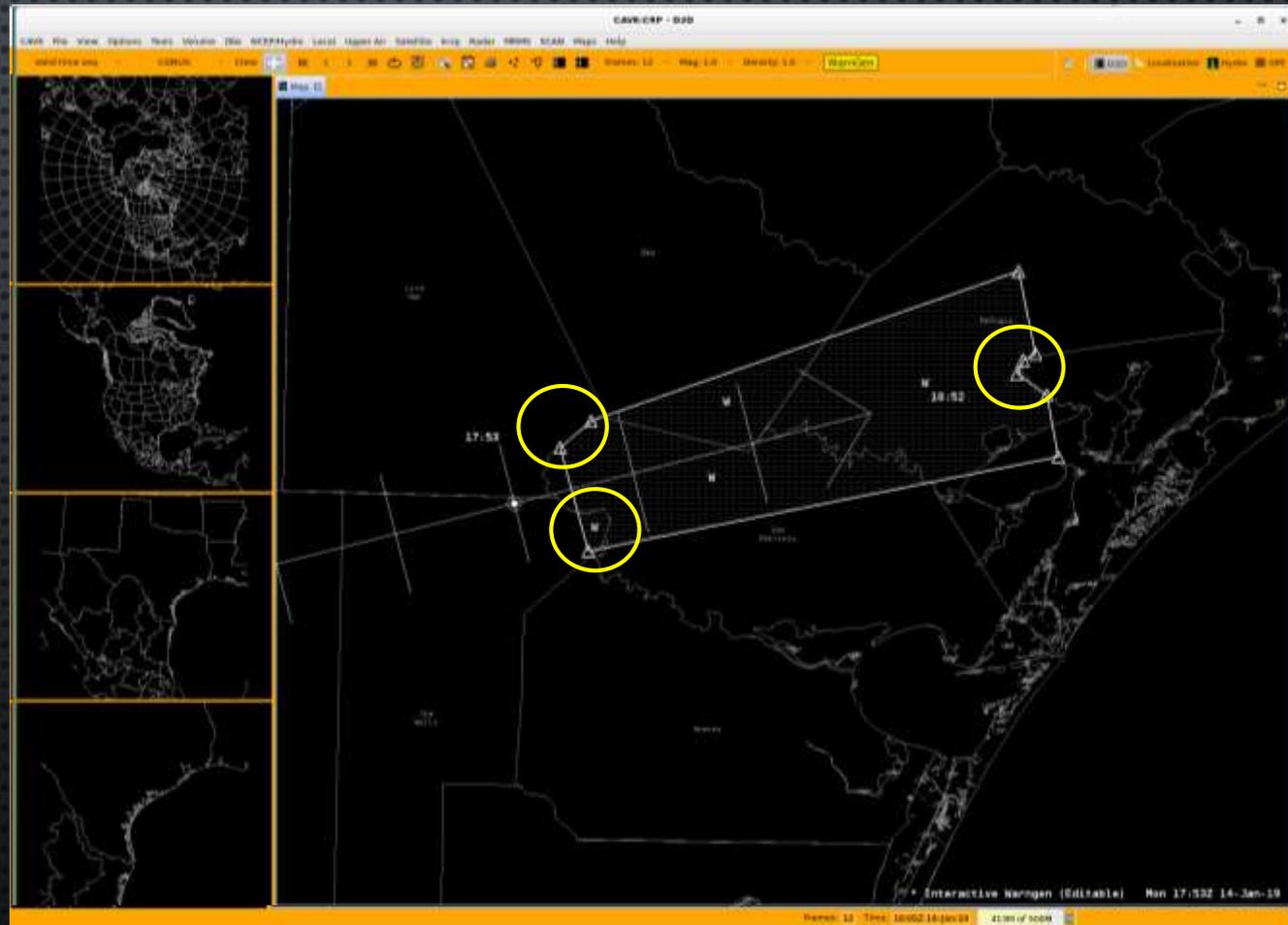
Instructions:

- Adjust Centroid in any Frame
- Adjust box around Warning Area

Create Text Restart Close

- Warned/Hatched Area:

- Shows exact area that will be warned after clipping is applied.



- **Clipping Definitions**

- Zone or County Based Products:
 - Inclusion criteria is 2% or 15 square miles.
 - Most of the time this will be the 15 mile criteria. Especially for large counties.
 - Overlap to water: 5 miles
- Marine Products:
 - Inclusion criteria is 2%.
 - Overlap to Land: 5 miles

WarnGen

Product Polygon Options

Backup: WFO: none

Track type: One Storm Line of Storms

Edit: Box Track Box and Track

Redraw Box on Screen from: Warned Area Visible

Product type: Tornado Warning UPDATE LIST Severe Thunderstorm Warning Severe Weather Statement Flash Flood Warning Flash Flood Statement Special Marine Warning Marine Weather Statement (follow-up to SMW) Airport Weather Warning Other: Non-Convective FFW (incl. Dam Break)

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Instructions
Adjust Centroid in any Frame
Adjust box around Warning Area

- Backup Selection
- Track Type
- Edit
- Track Button
- Warned/Hatched Area Button
- **Preset Threat Area Button**
- **Restart Button**

WarnGen

Product Polygon Options

Backup
WFO: none

Track type
 One Storm
 Line of Storms

Edit
 Box
 Track
 Box and Track

Redraw Box on Screen from:
 Warned Area Visible

Track Warned/Hatched Area **Preset Threat Area**

Product type
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 Severe Thunderstorm Warning
 Severe Weather Statement
 Flash Flood Warning
 Flash Flood Statement
 Special Marine Warning
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Instructions
Adjust Centroid in any Frame
Adjust box around Warning Area

Create Text **Restart** Close

• Preset Threat Area

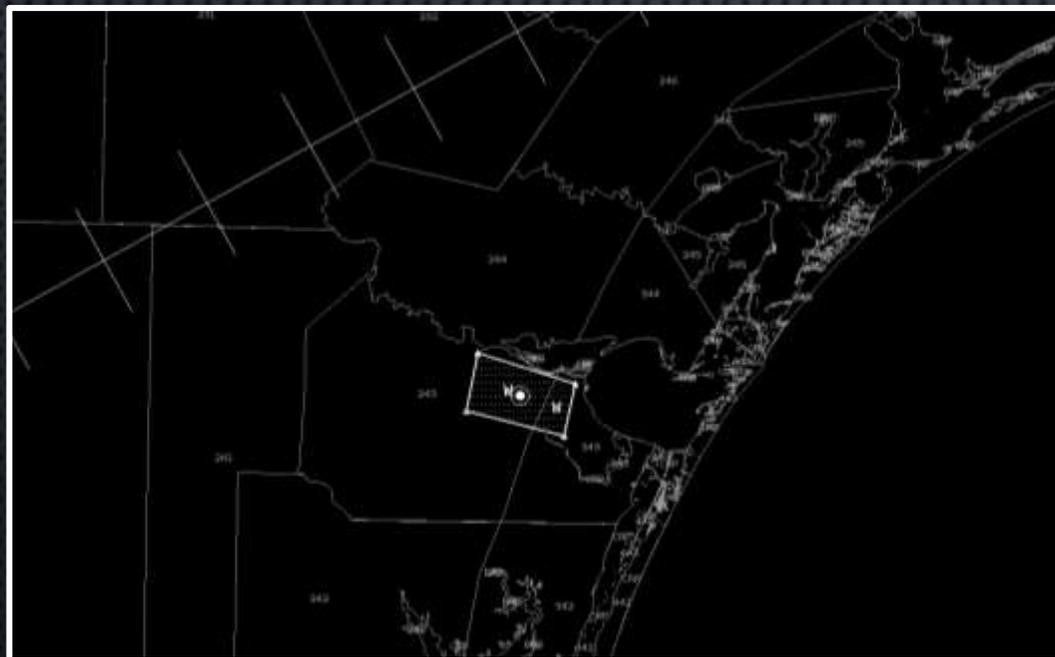
- For AWWs – More to come on this.

• Restart

- Use to reset to a “move to storm” pointer.

AWW

- Corpus Christi International Airport will be selected by default.
- Click Preset Threat Area Button
- Cloud to Ground Lightning is defaulted on, but change this to what current hazard is.



WarnGen

Product Polygon Options

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Track type
 One Storm
 Line of Storms

Edit
 Box
 Track
 Box and Track

Redraw Box on Screen from:
 Warned Area Visible

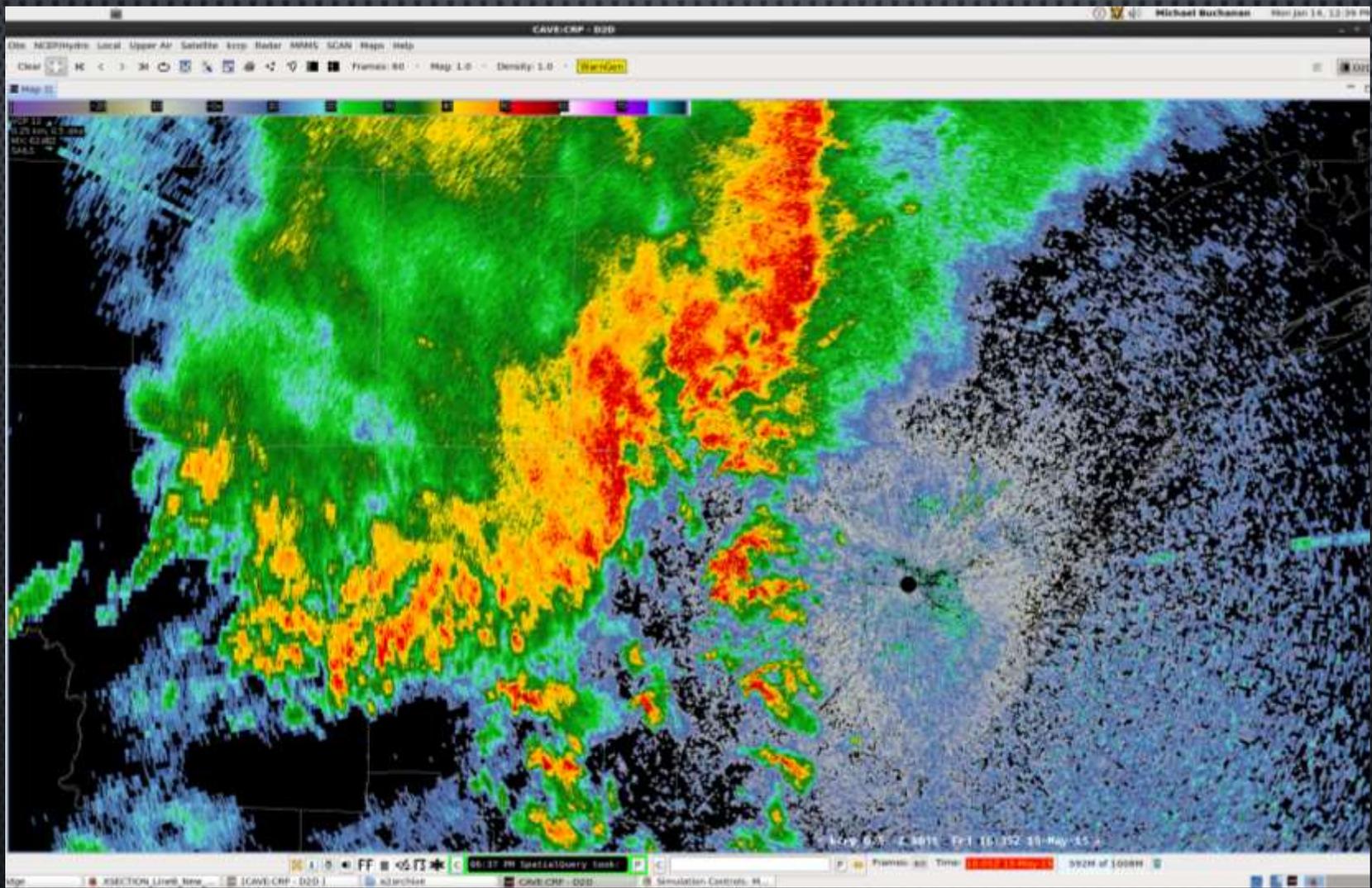
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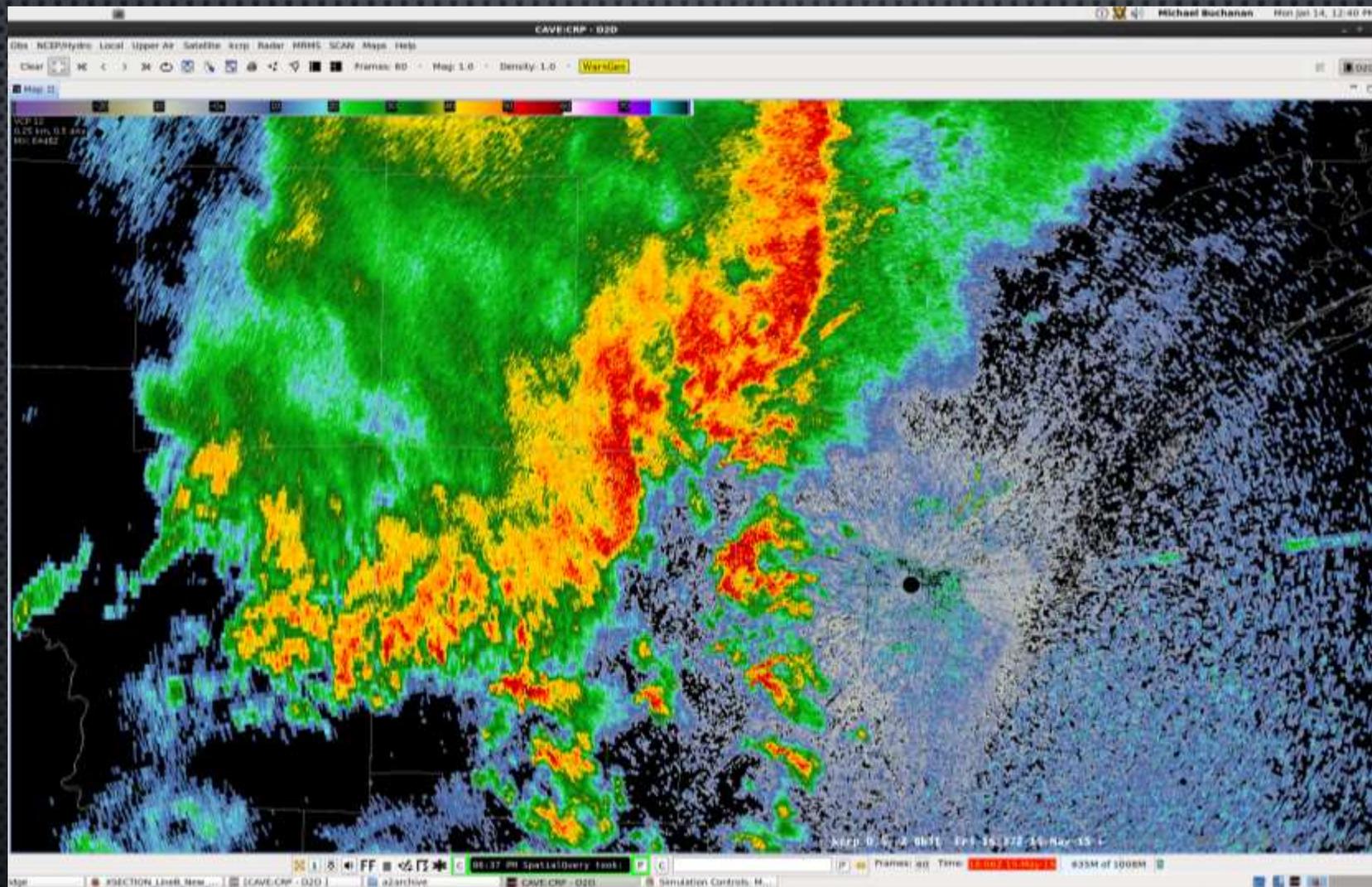
Time Range
Duration: 60 min
17:41 Mon 14-Jan to 18:41 Mon 14-Jan Change...

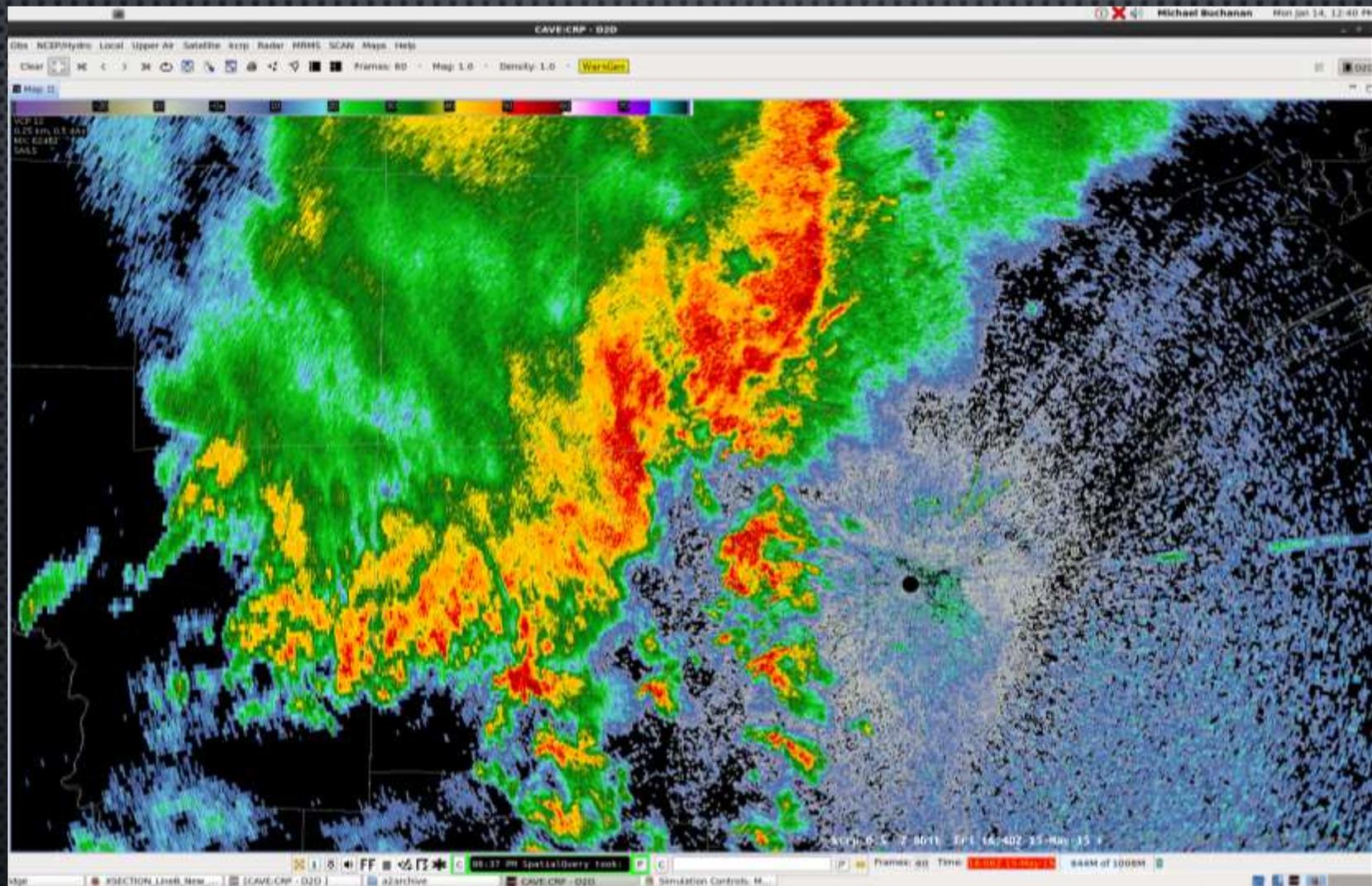
!!CLICK PRESET THREAT AREA BUTTON AT TOP OF THIS GUI!!
****Choose Specific Threats****
Wind Gusts 35+
Cloud to ground lightning
Hail
Freezing Rain
Sleet or Snow
****Cancellation Section****
Cancel AWW
****Choose Airport****...(Choose 1)
Corpus Christi International Airport

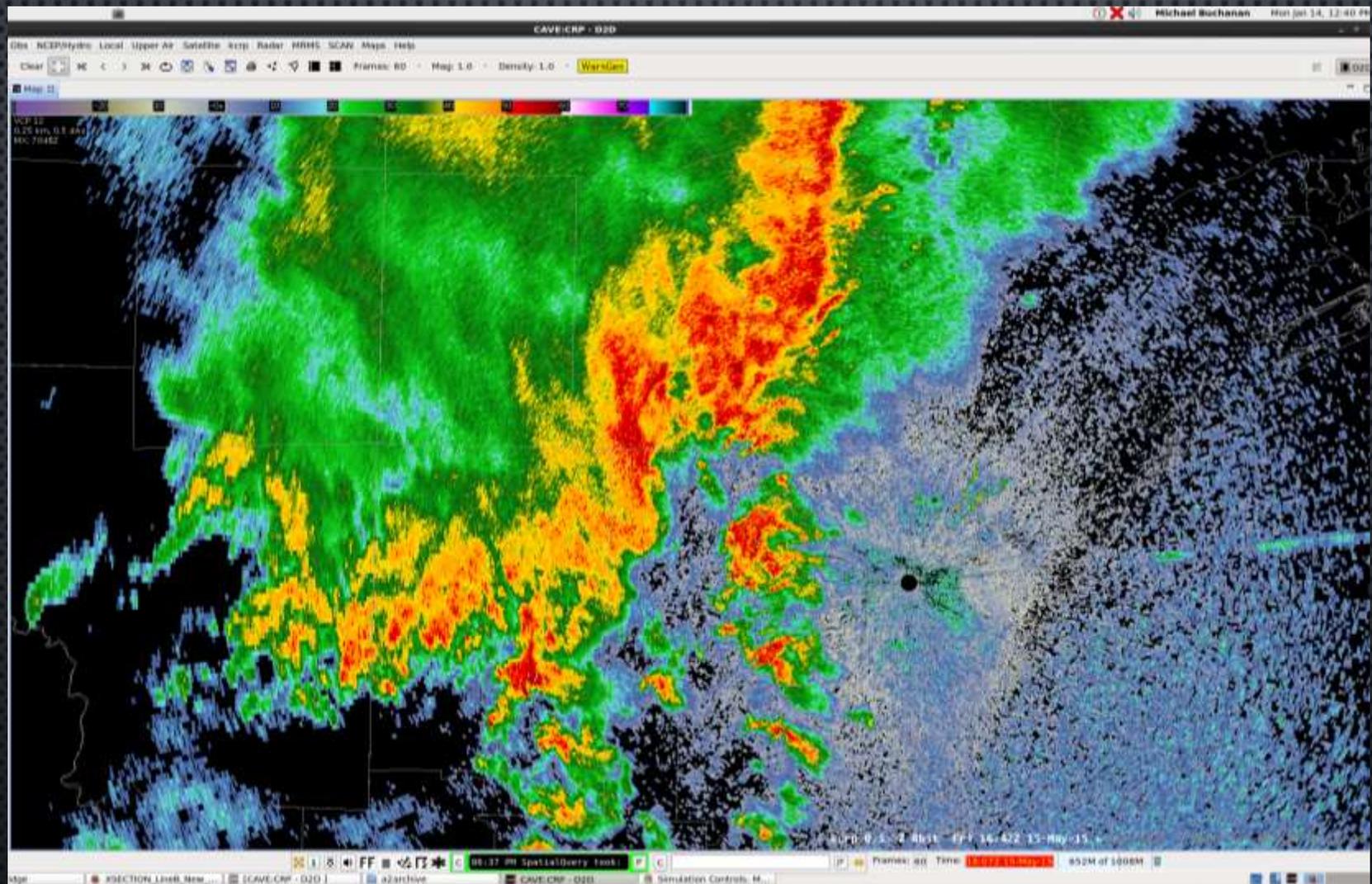
Instructions
Adjust Centroid in any Frame
Adjust box around Warning Area

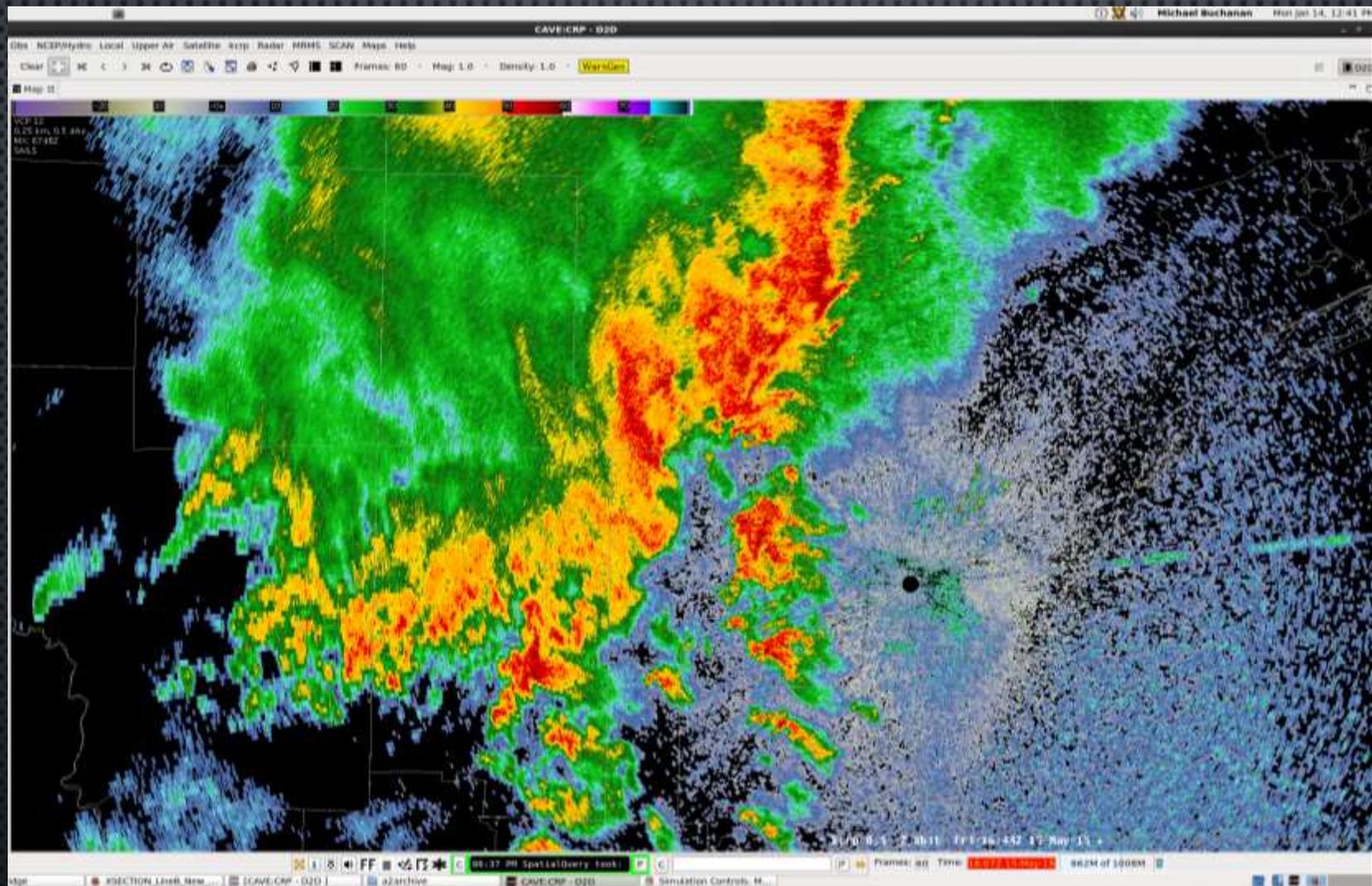
USING LINE OF STORMS TOOL

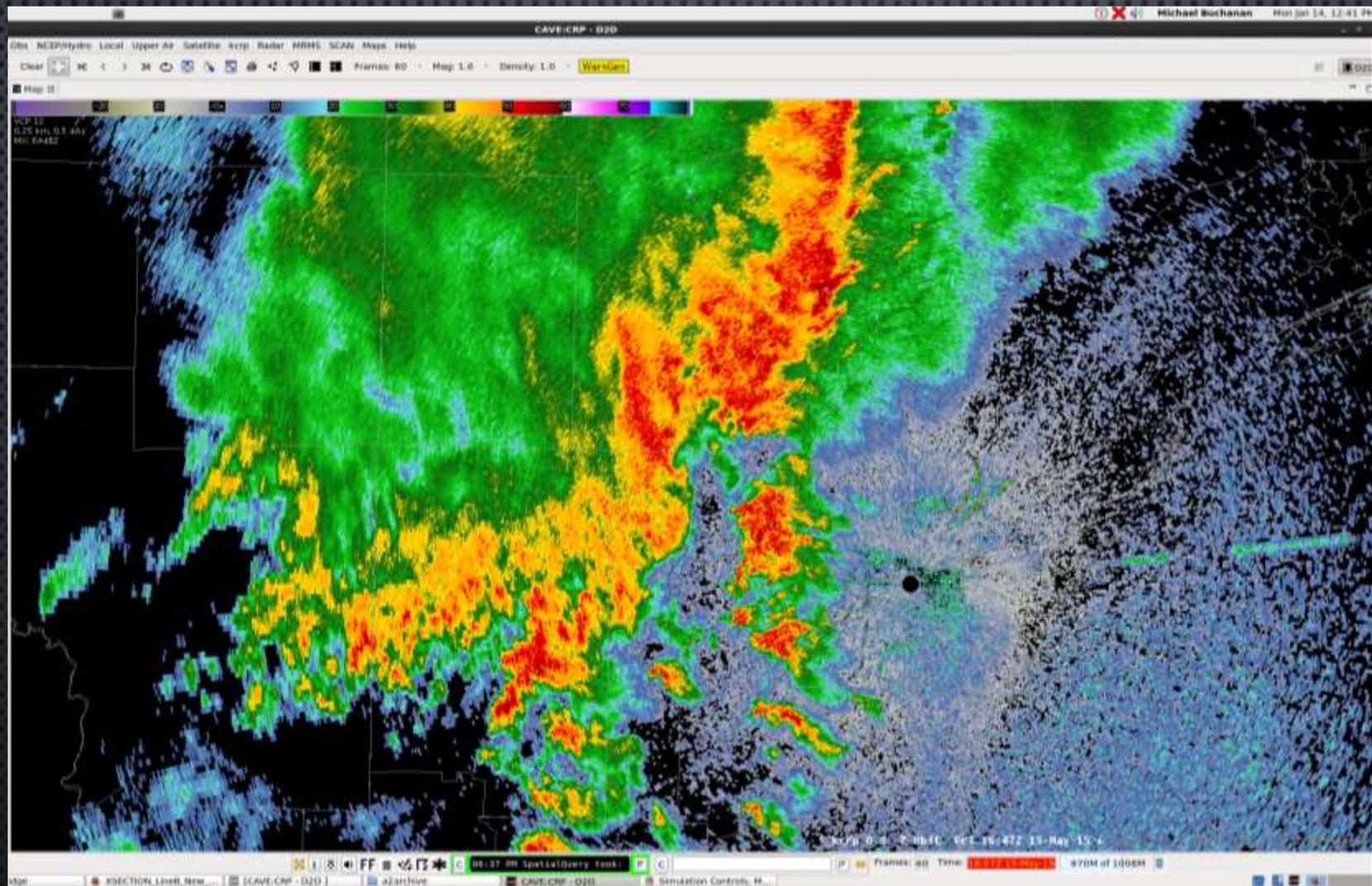


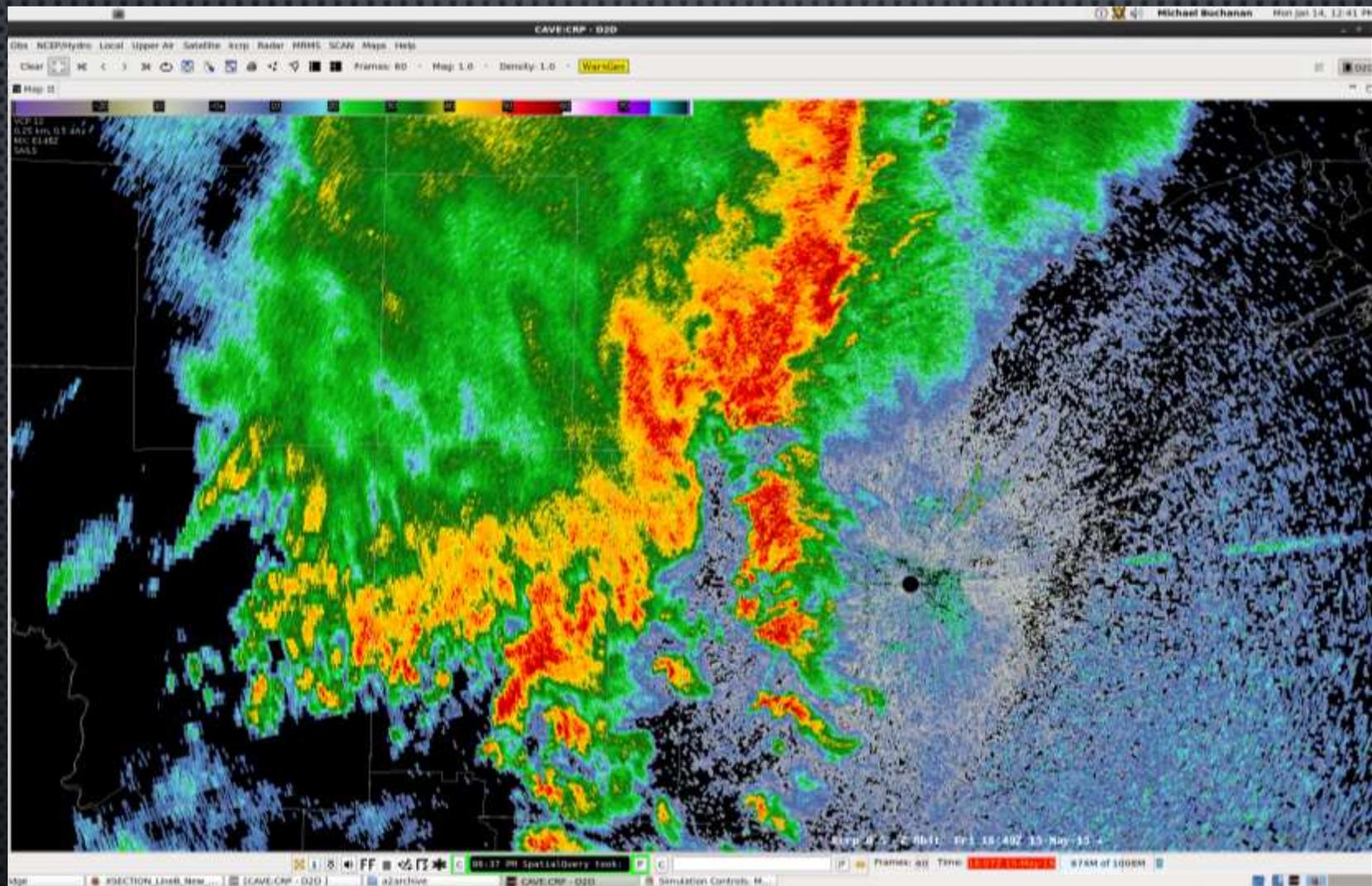


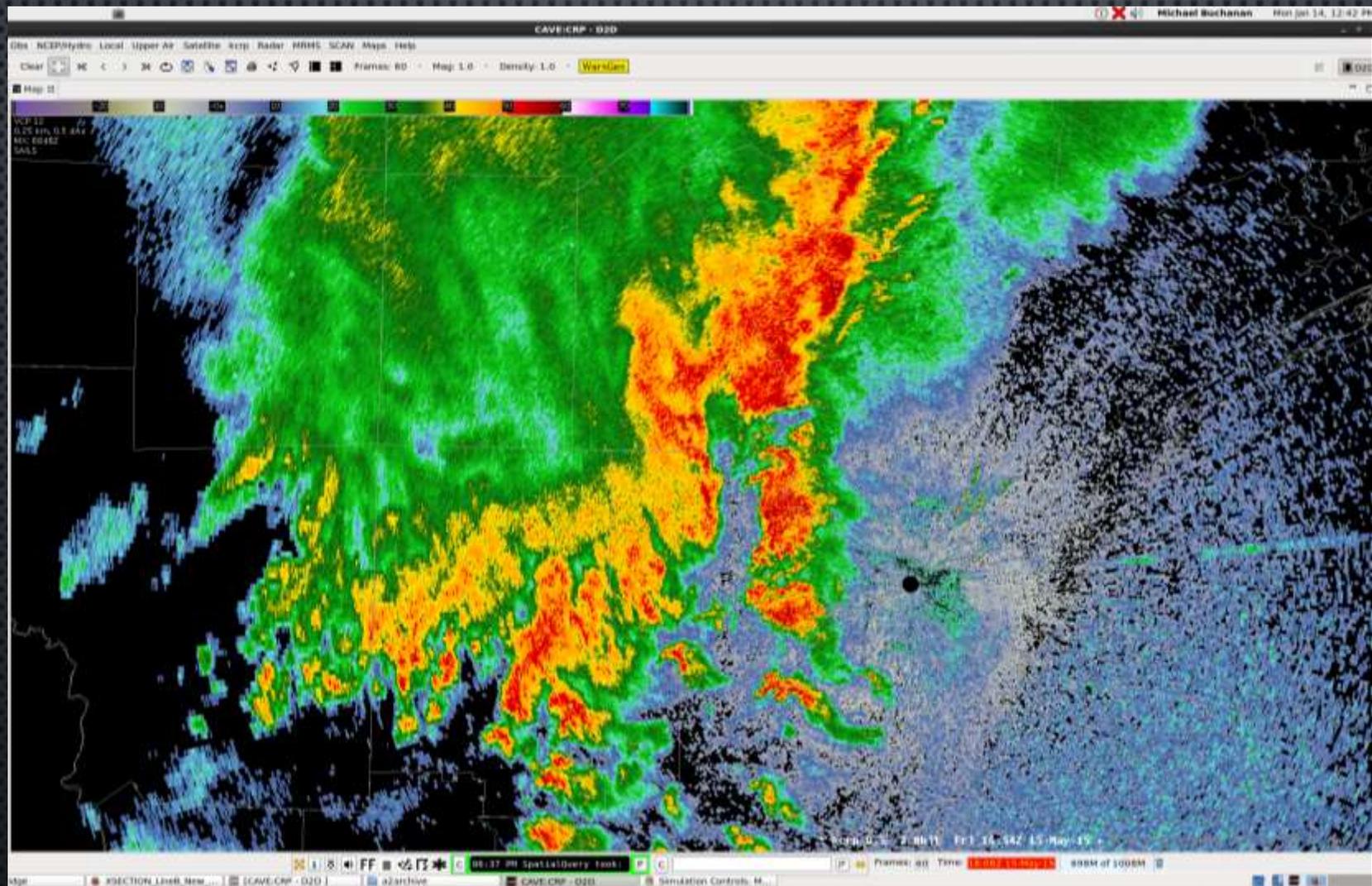


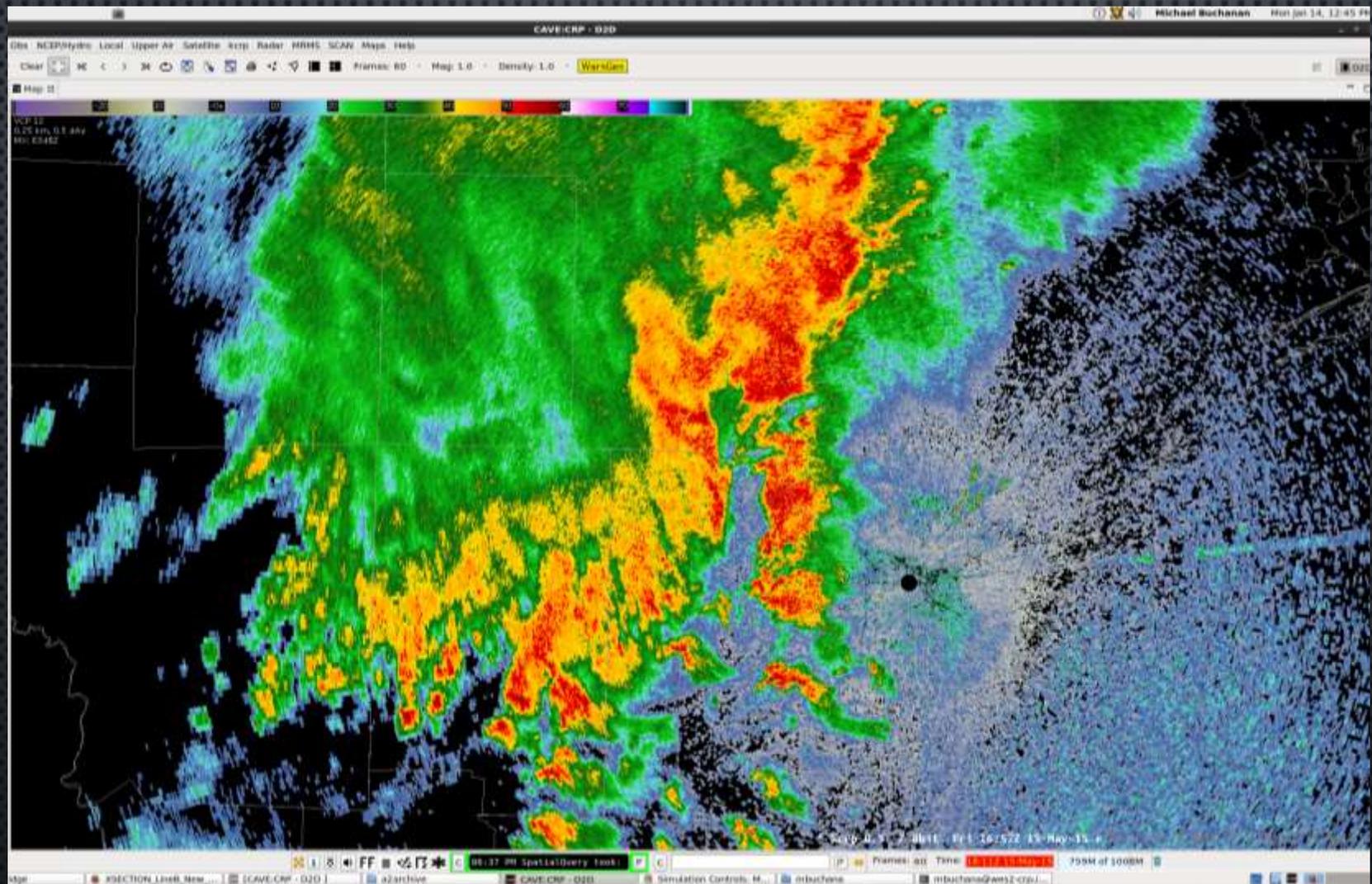


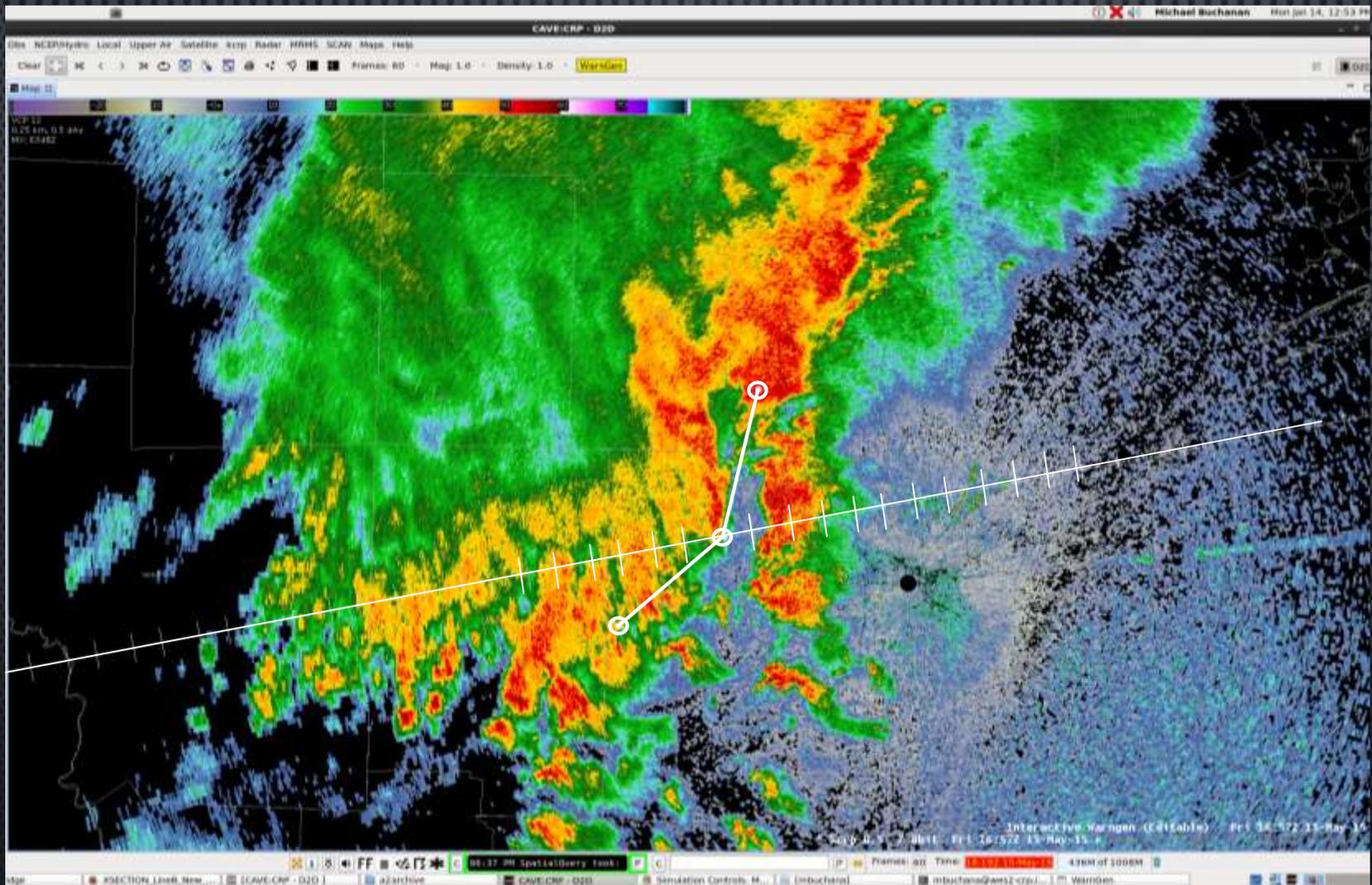


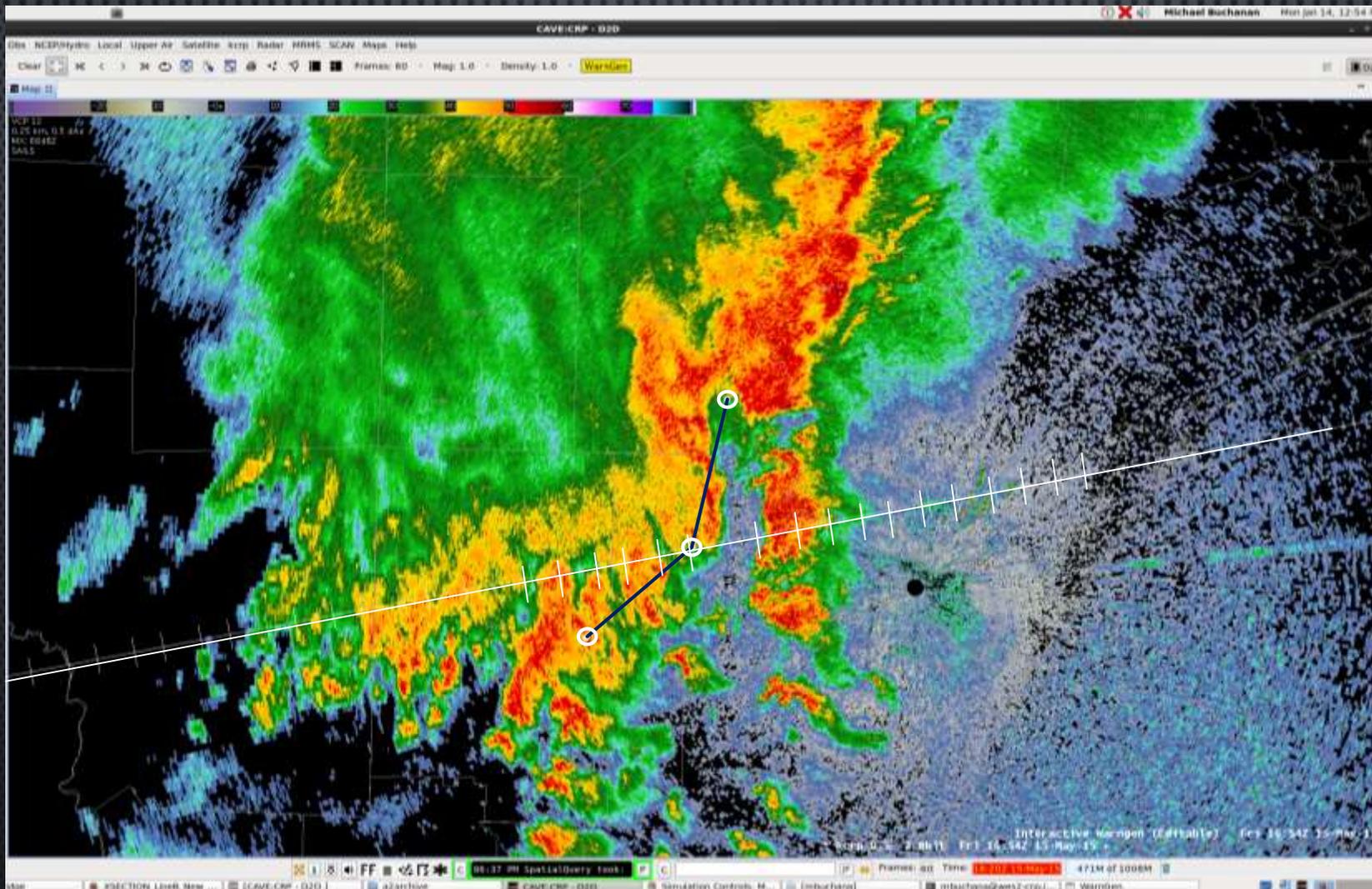




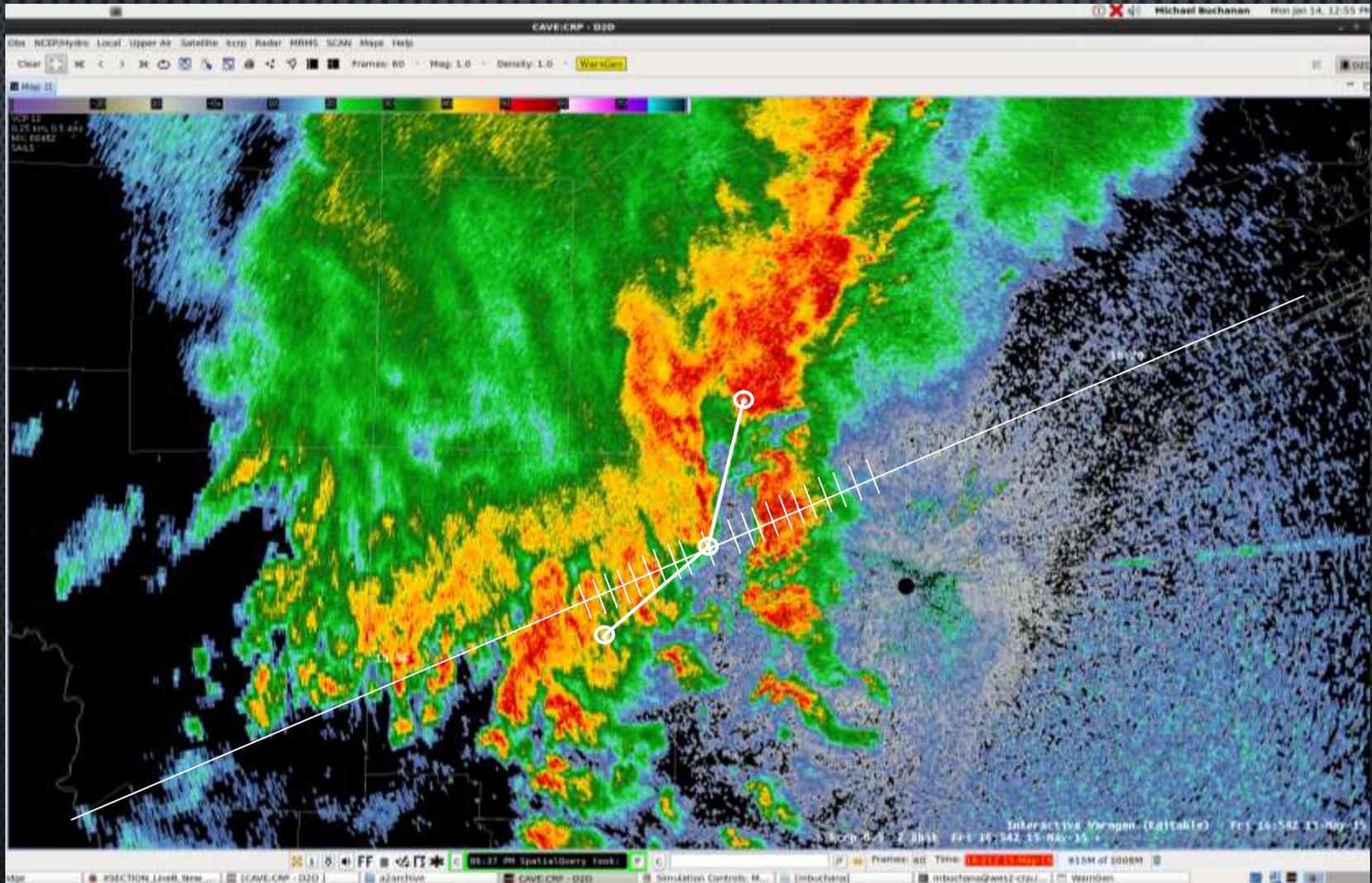


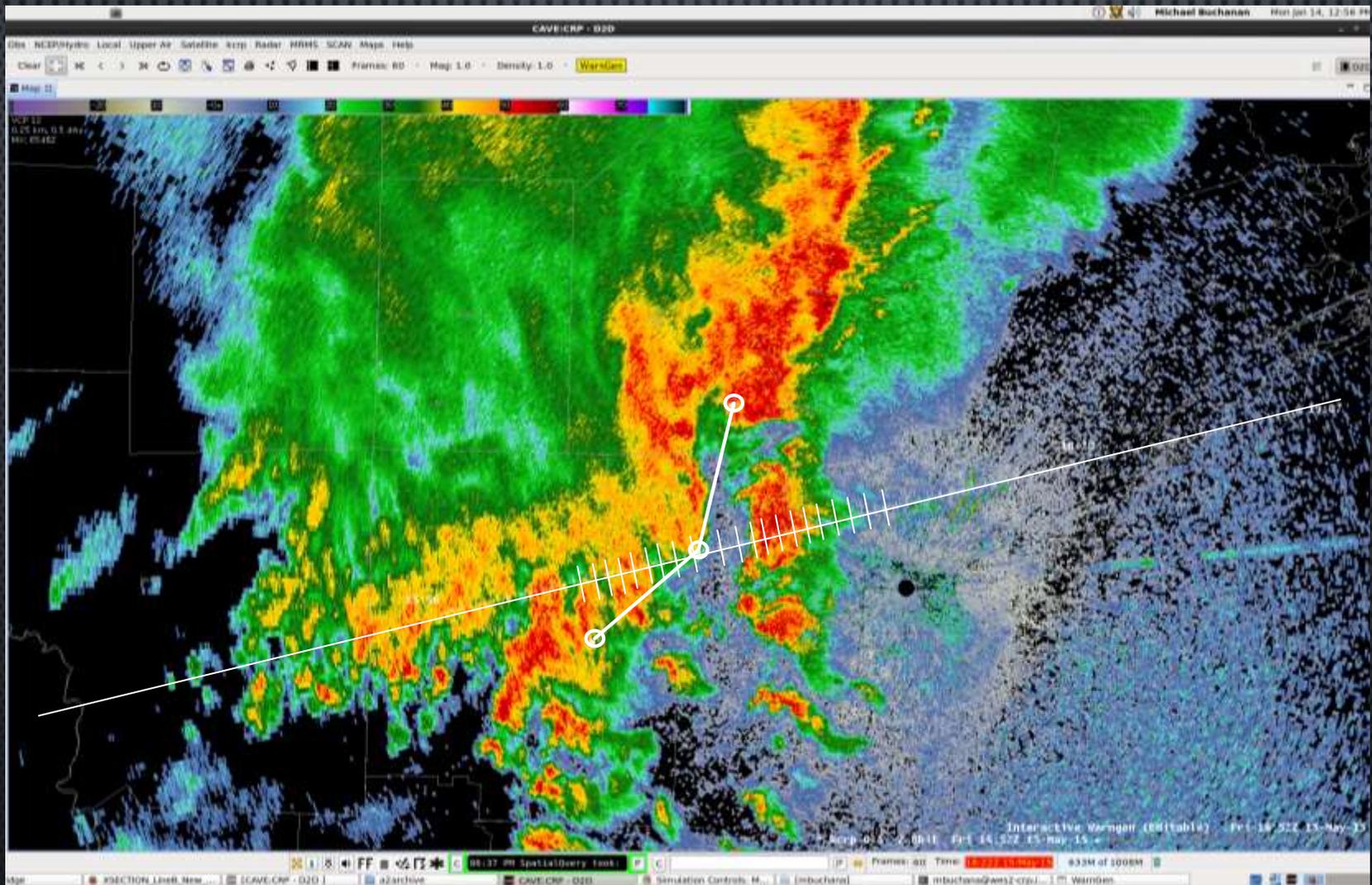


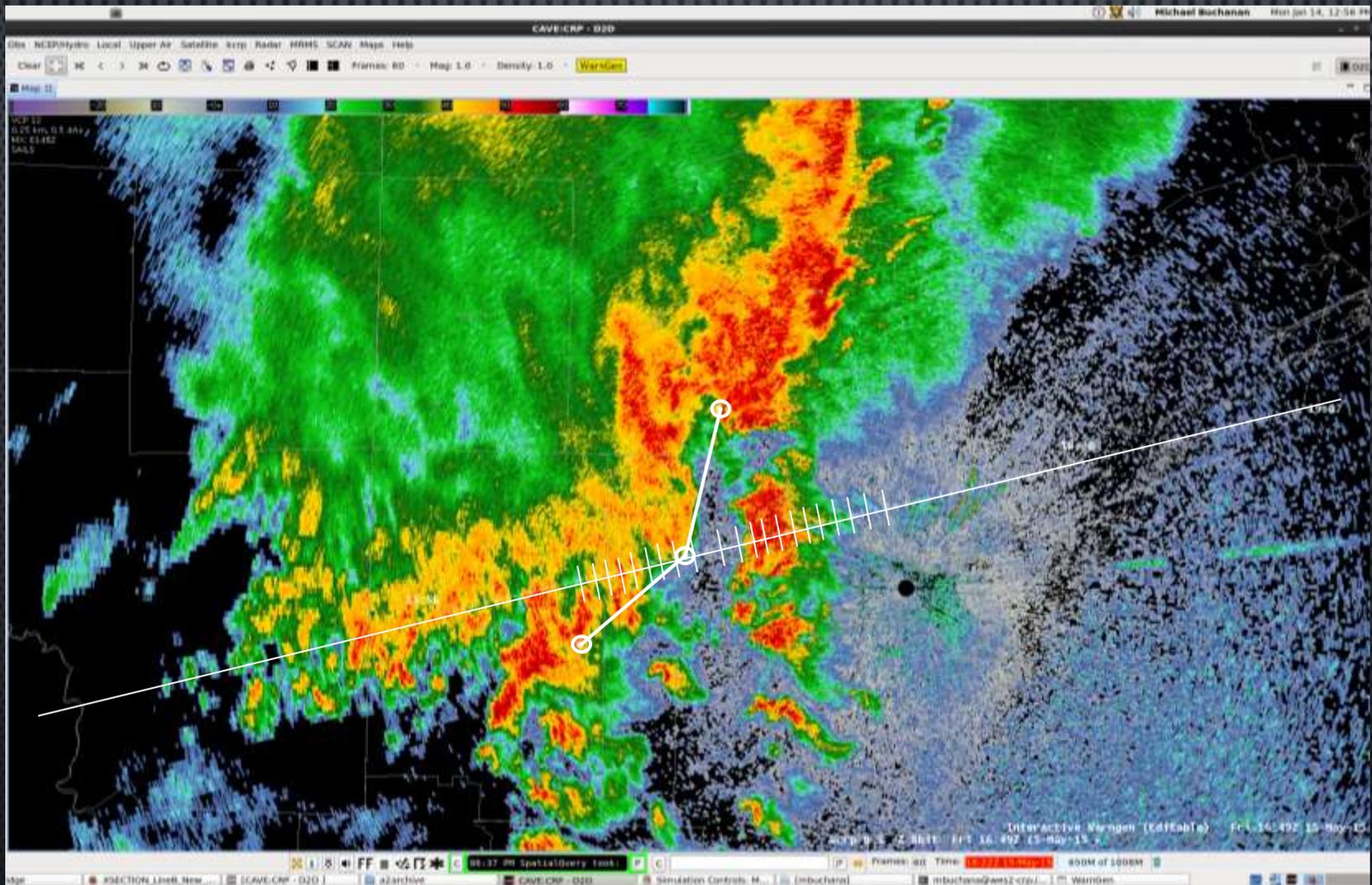


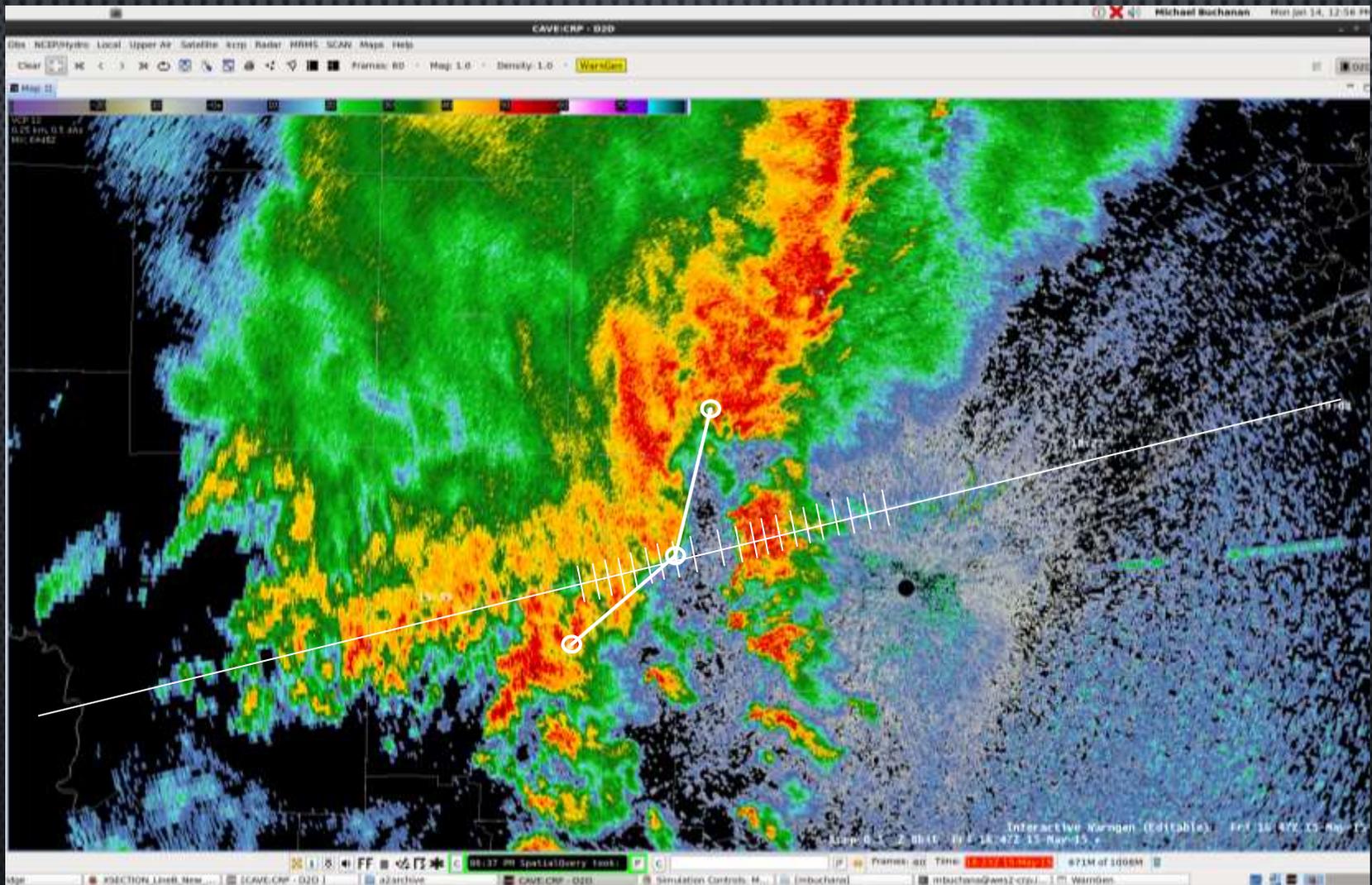


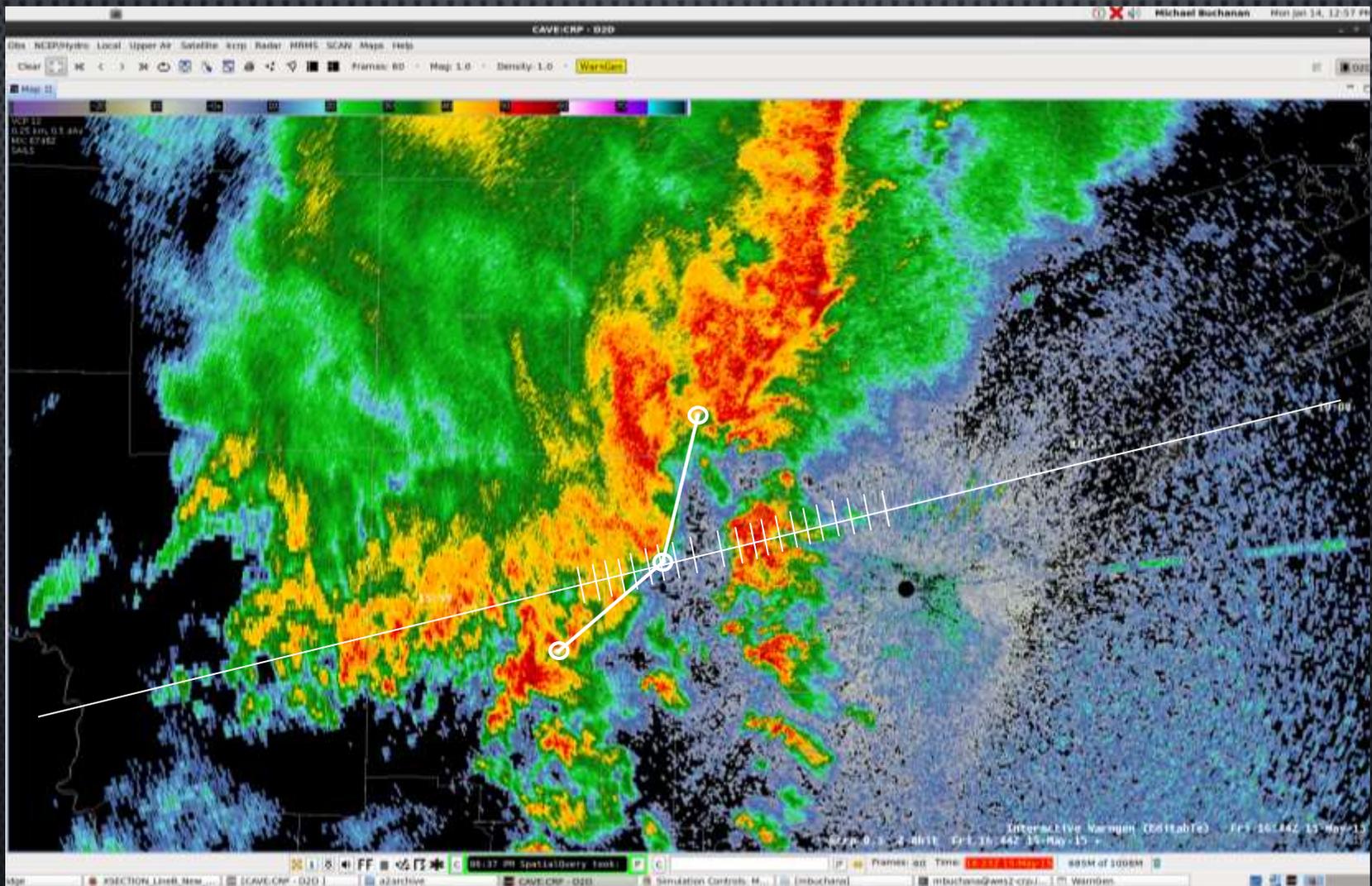
Adjust timing with LINE, not Vertex Points

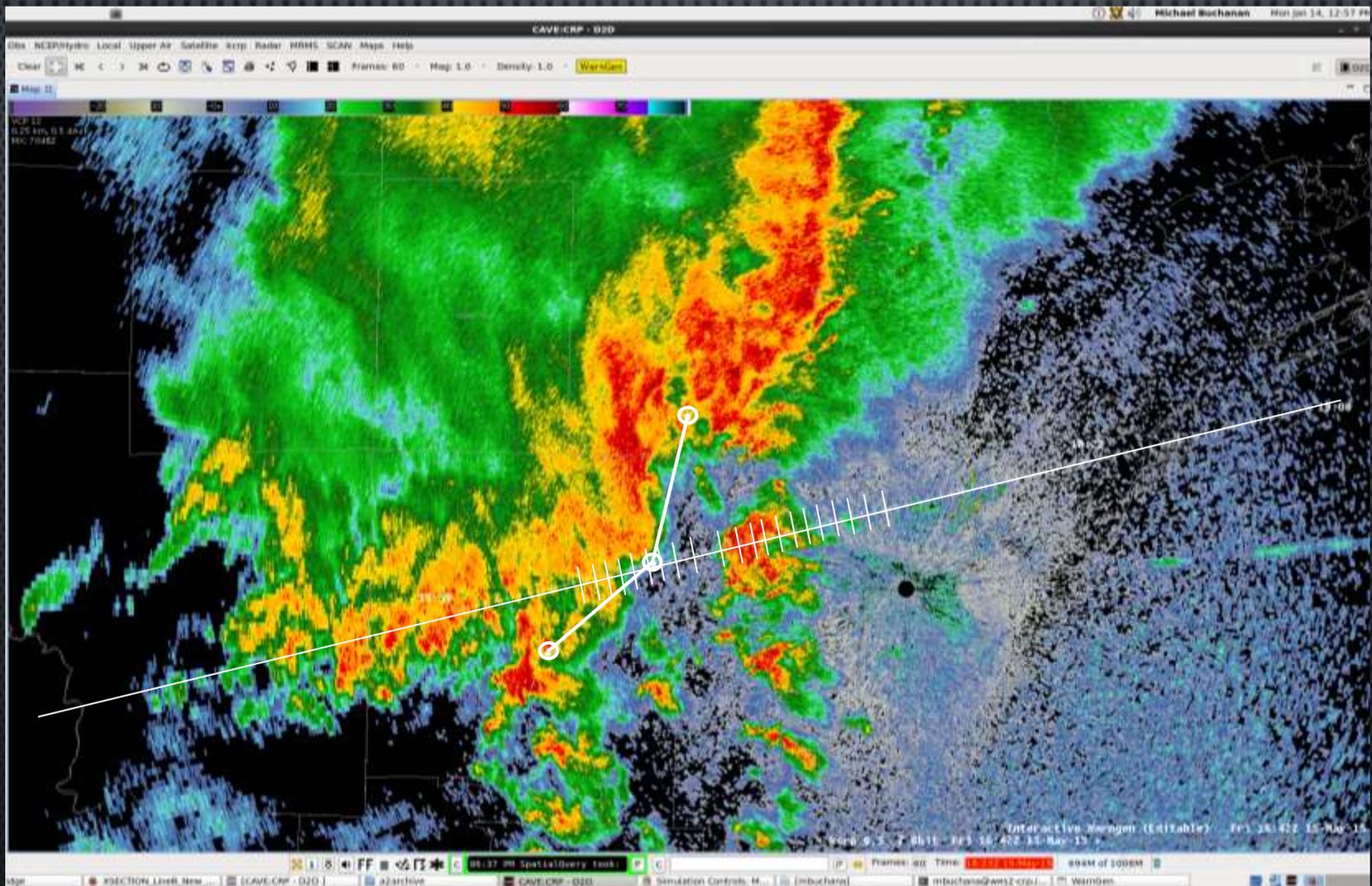


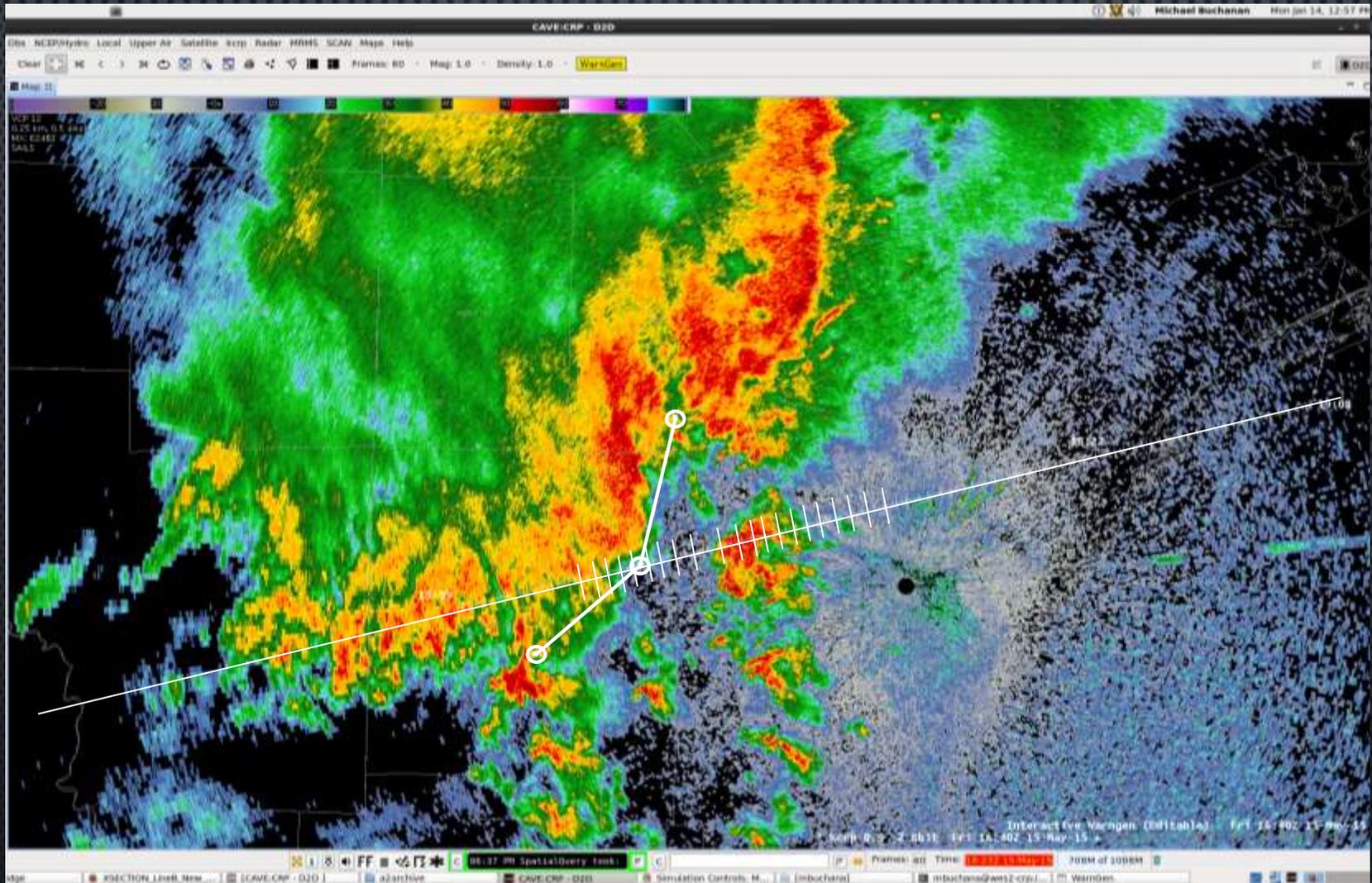


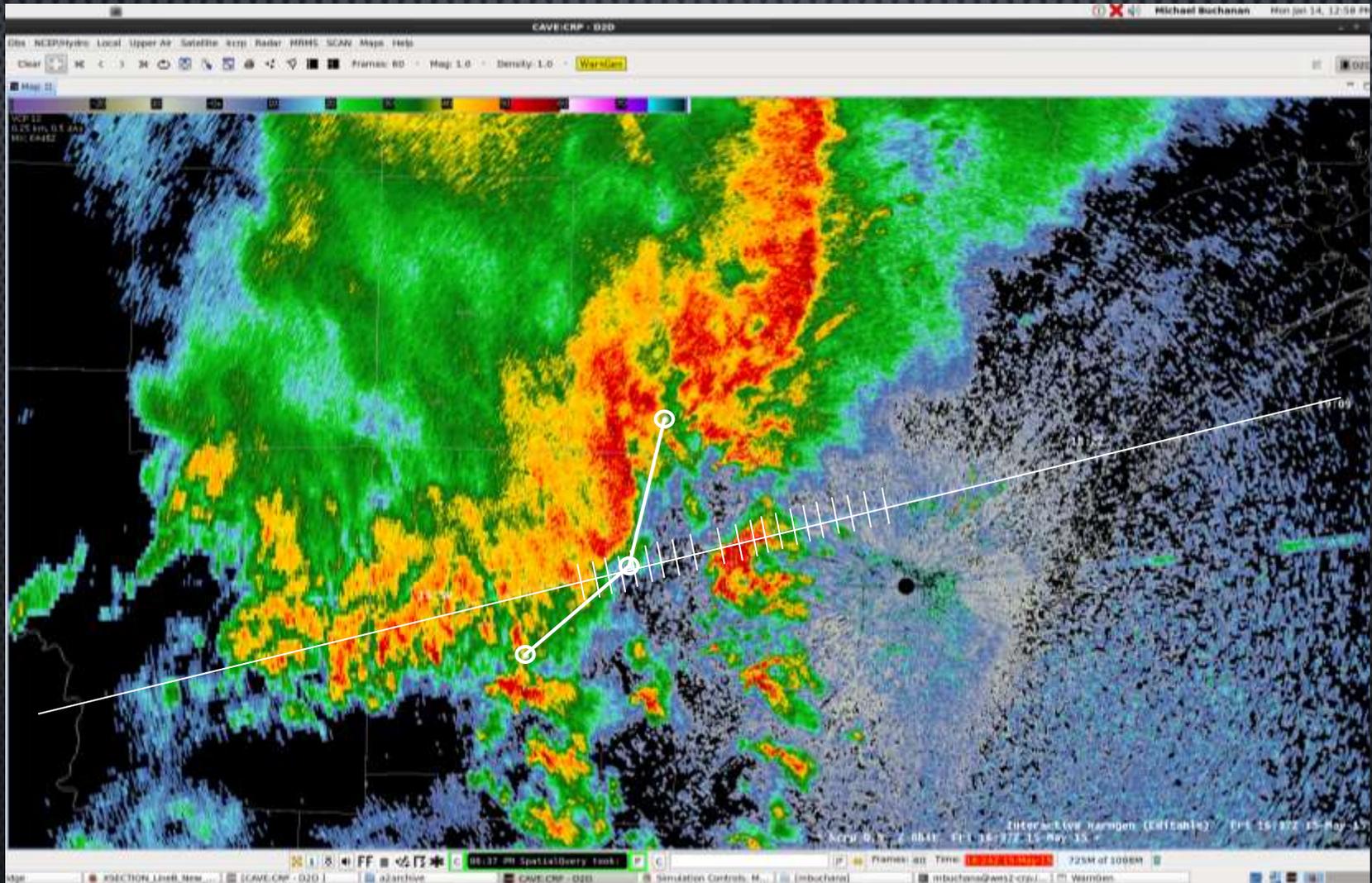


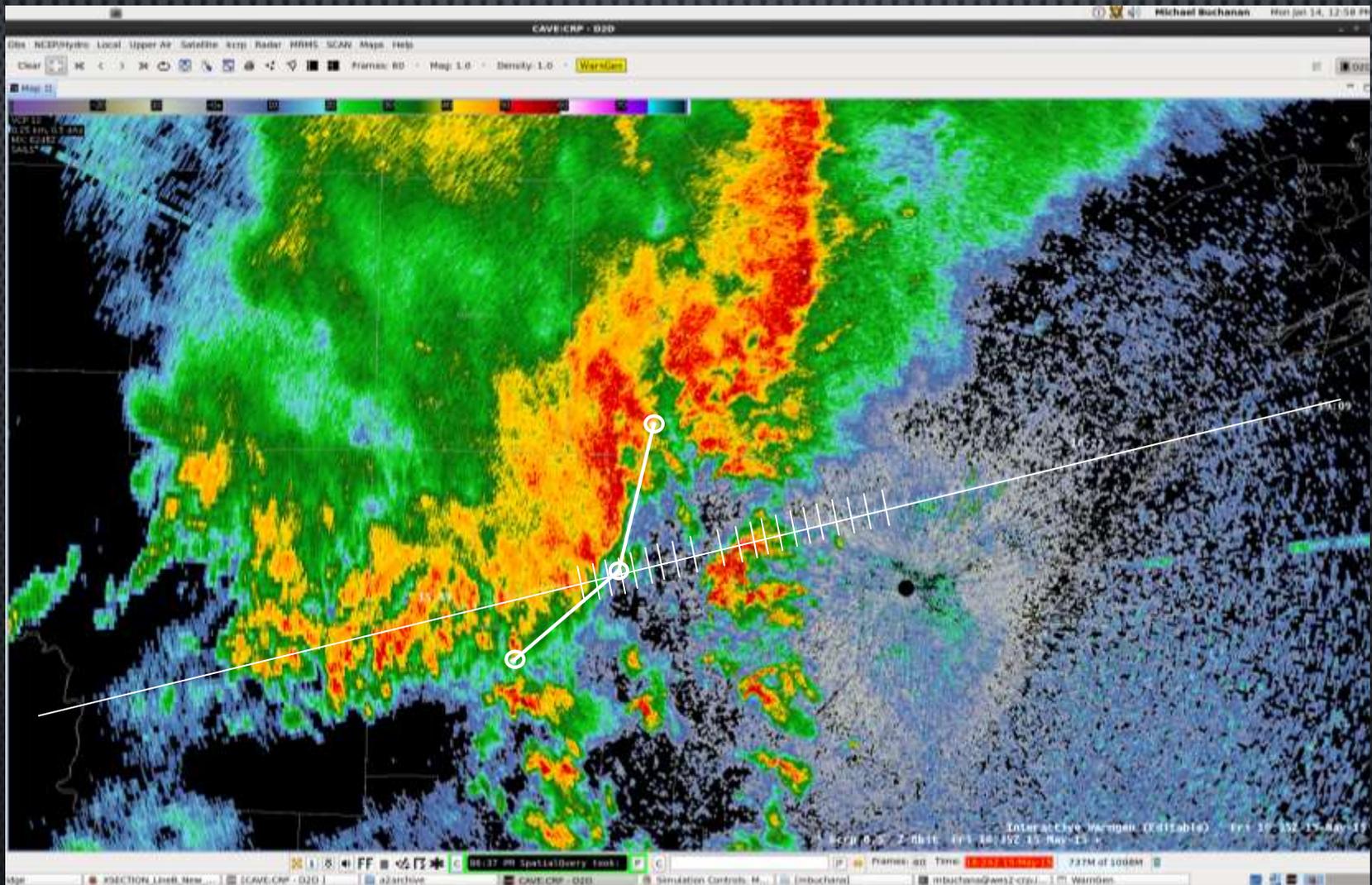




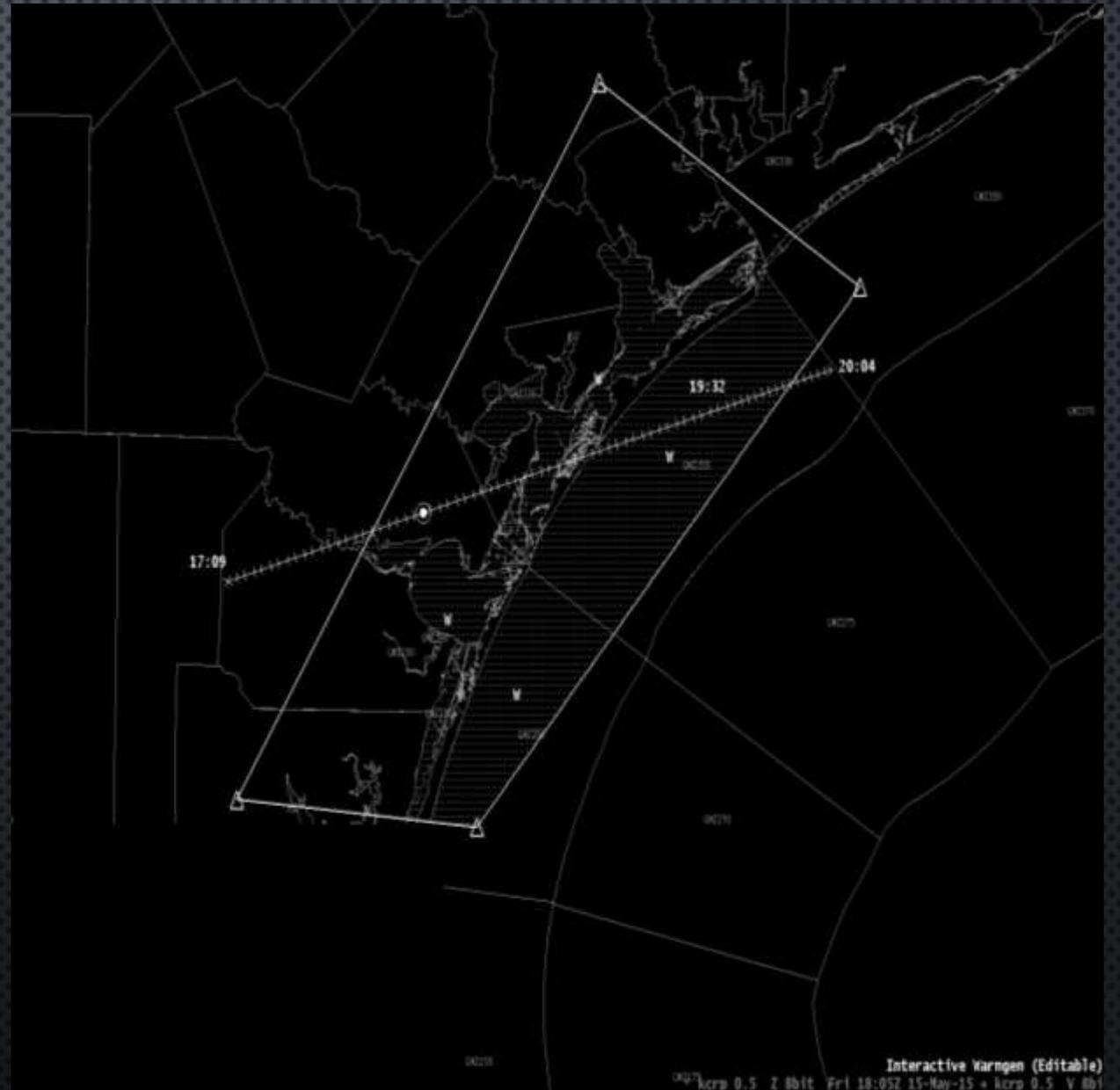




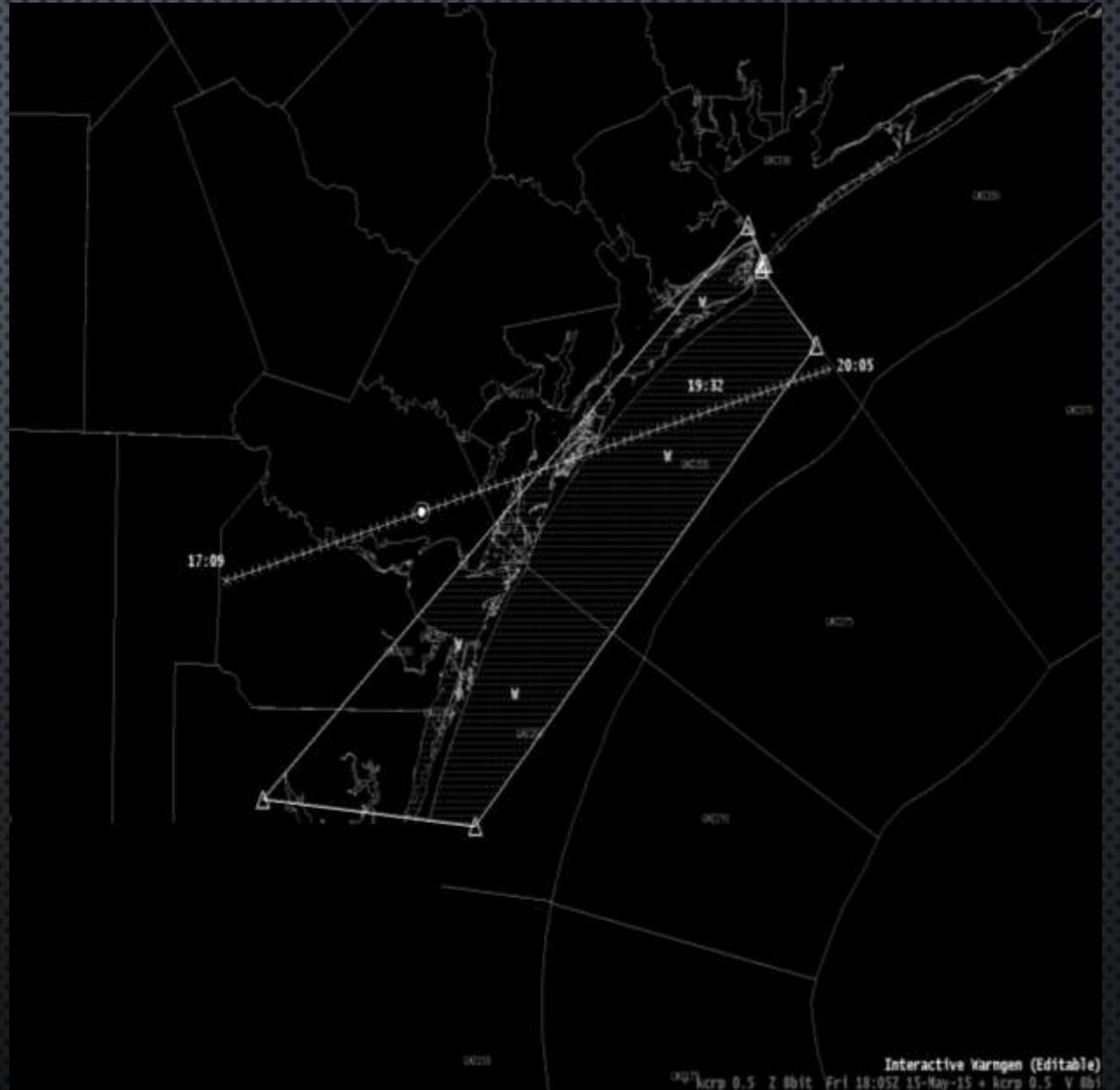




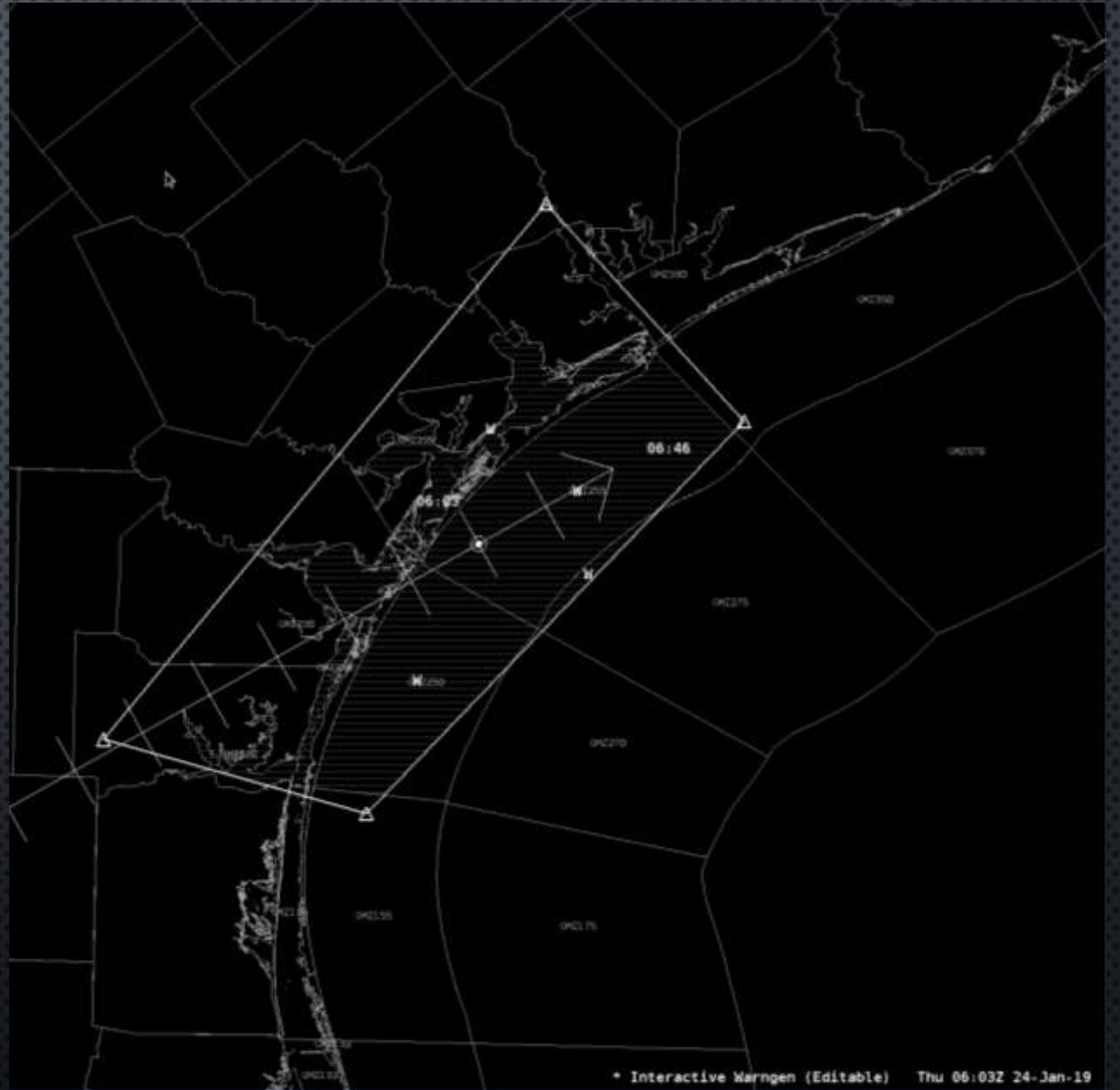
BAD CLIPPING ON MARINE POLYGONS



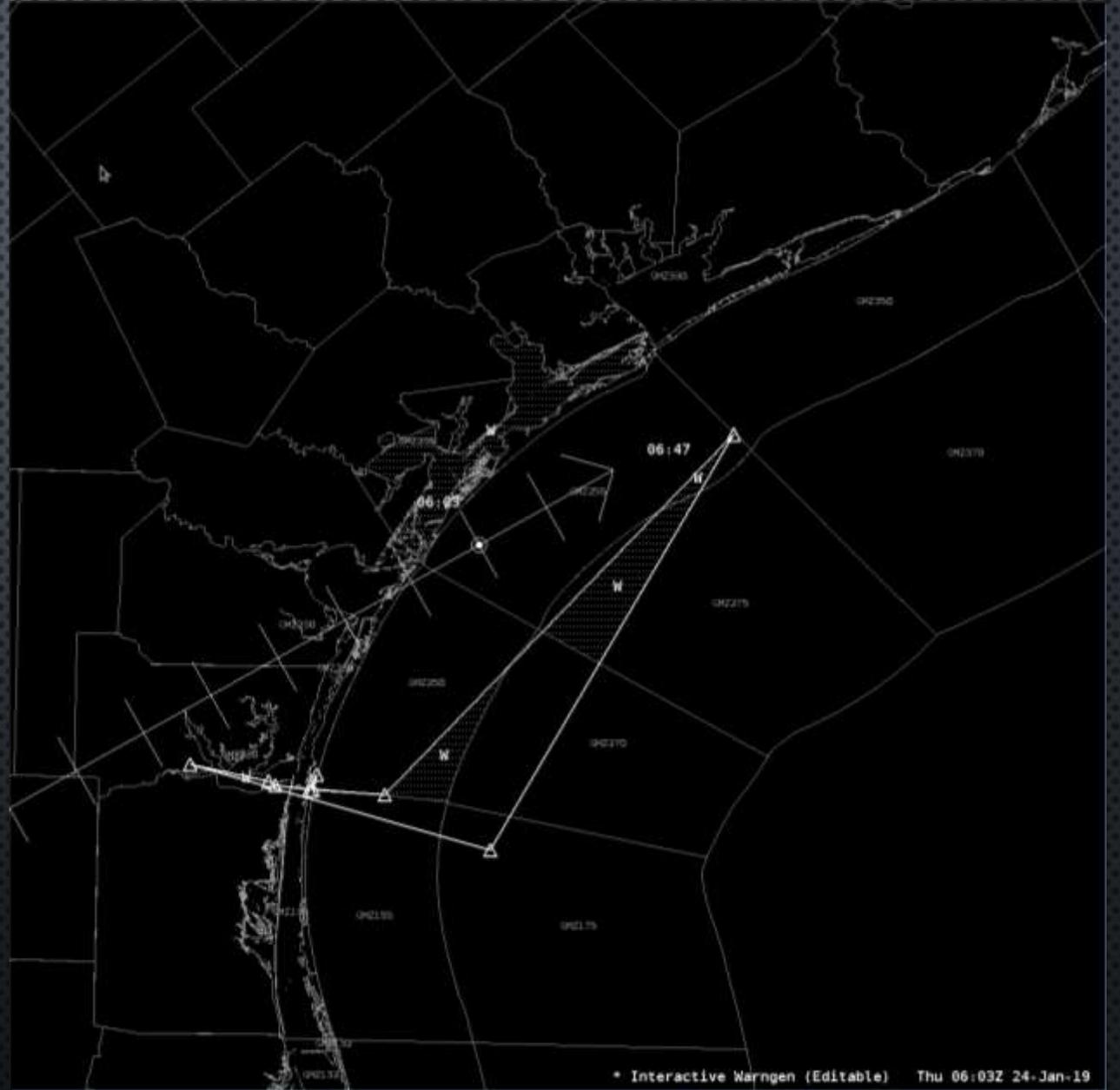
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BAD CLIPPING ON MARINE POLYGONS

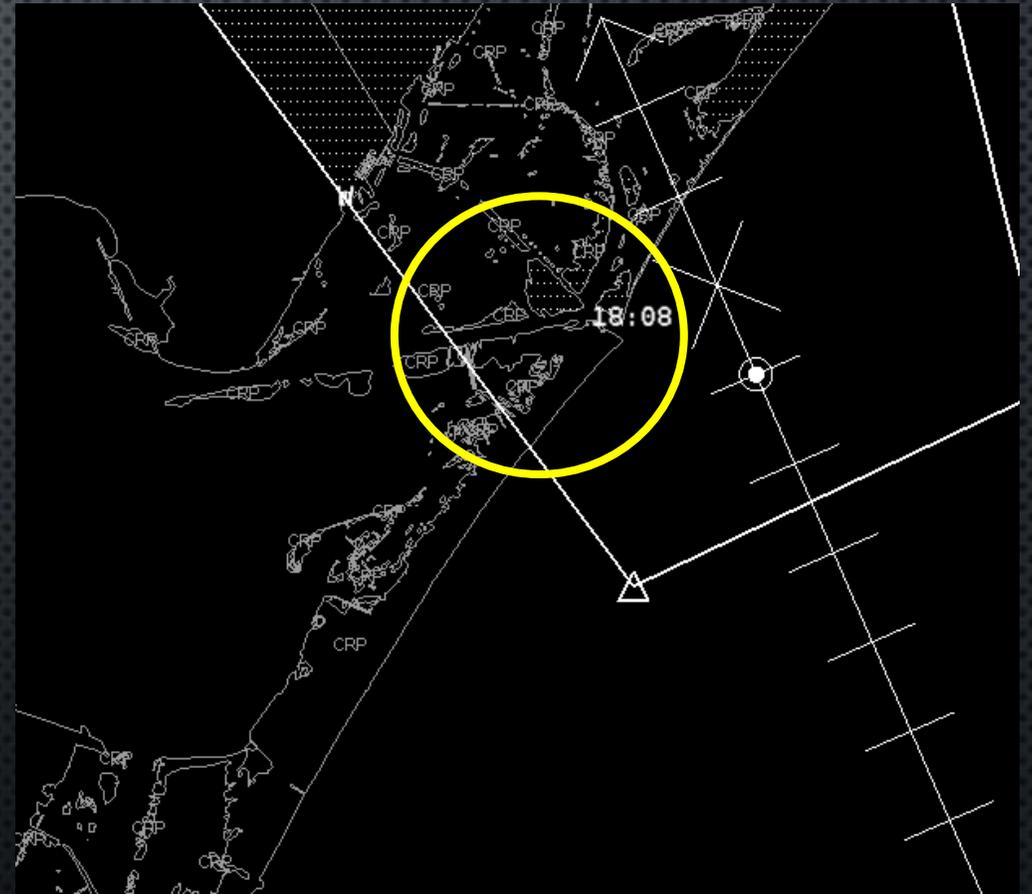


BAD CLIPPING ON MARINE POLYGONS

- We don't know why
- Raytheon has been able to reproduce it, but not fix it.
- Seems most associated with Baffin Bay and Matagorda Bay
- Most effective workaround is to not make one large polygon covering entire coastline.
- Also be sure to use the Warned/Hatched area button to see how the polygon will look before creating text.

PORT ARANSAS WARNING ISSUES

- Minimum area to include
- Use Warned/Hatched area to verify before creating text
- Extend farther south if necessary.



POST EDITING

- Do NOT post edit motion information.
 - This must match the TIME...MOT...LOC tag at the bottom of the product.
- Do NOT post edit the hail size/wind speed.
 - Also must match bottom of product.

If they need to be corrected, cancel and fix it in warngen.

WUUS54 KCRP DDHMM
WRKWG1

Save Cut Copy Paste Fill Edit Header Send Cancel Attach INS

* **THIS IS A TEST MESSAGE.** At 1110 AM CST, a severe thunderstorm was located 7 miles west of Naval Air Station Cabaniss Field, or 7 miles southwest of Corpus Christi International Airport, moving northeast at 55 mph.

HAZARD...60 mph wind gusts and quarter size hail.

SOURCE...Radar indicated.

IMPACT...Hail damage to vehicles is expected. Expect wind damage to roofs, siding, and trees.

* **THIS IS A TEST MESSAGE.** Locations impacted include...
Corpus Christi, Portland, Rockport, Port Aransas, Driscoll, Corpus Christi International Airport, Ingleside, Aransas Pass, Gregory, Ingleside On The Bay, Palm Harbor, Christus Spohn Hospital South, Corpus Christi North Beach, Bay Area Medical Center, Corpus Christi Del Mar East Campus, Texas A&M University Corpus Christi, Clarkwood, Kings Crossing Golf Course, Corpus Christi Country Club and Corpus Christi Del Mar West Campus.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

For your protection move to an interior room on the lowest floor of a building.

&&

THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS MESSAGE.

LAT...LON 2748 9771 2764 9781 2807 9707 2784 9693
2782 9694

TIME...MOT...LOC 1710Z 240DEG 49KT 2767 9755

HAIL...1.00IN
WIND...60MPH

\$\$

TIMING LIMITATIONS

- COR
 - Within 10 mins of issue.
- CON
 - Not within 5 minutes of exp time
- CAN
 - Not within 10 minutes of exp time
- EXP
 - Within 10 mins of exp time

