

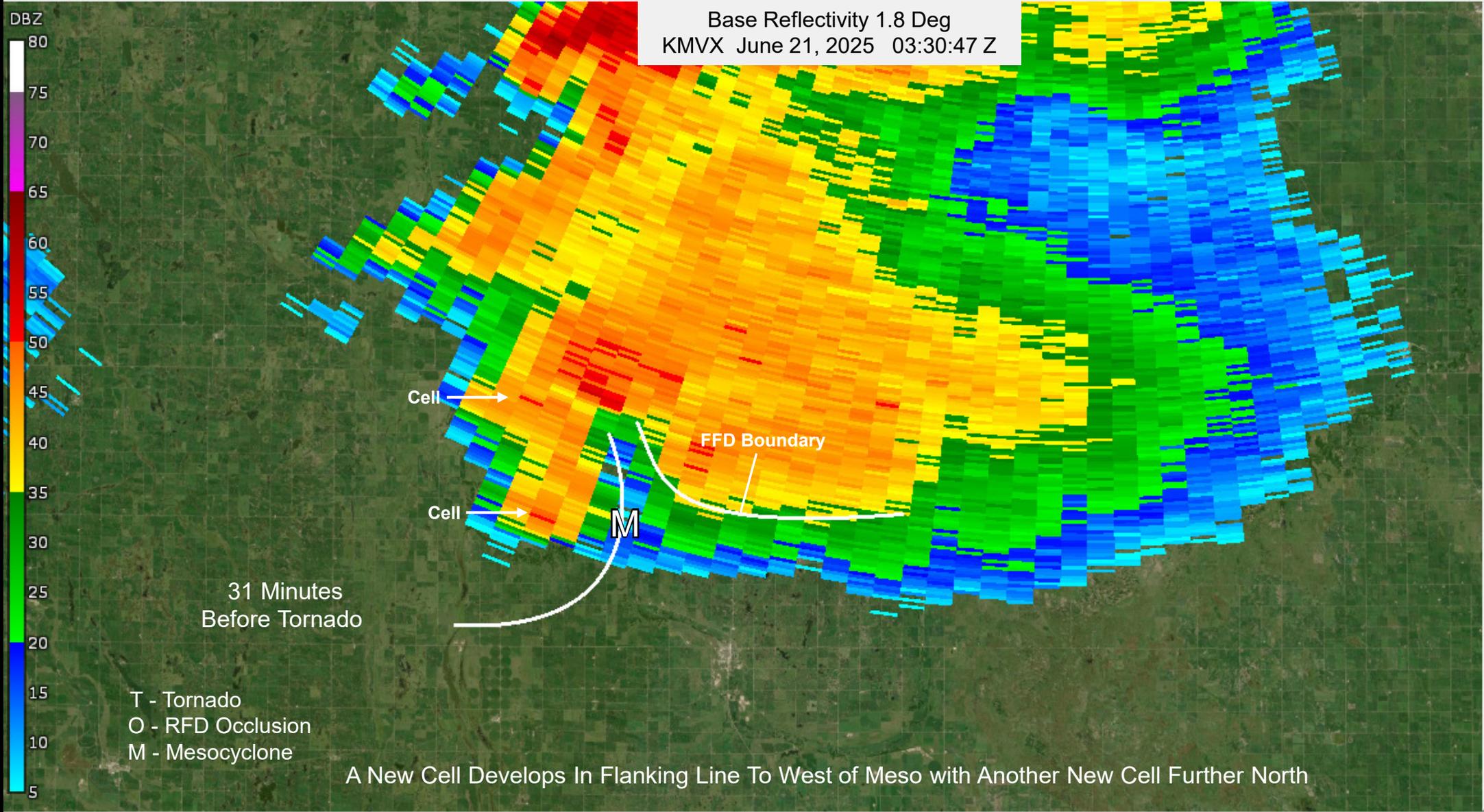
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:22:28 Z  
 Prod: 06/21/2025 03:24:23 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.843°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL<sub>D</sub>  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.2°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 61.0 dbz  
 Az: 68.6°  
 Ran: 1.6 nm



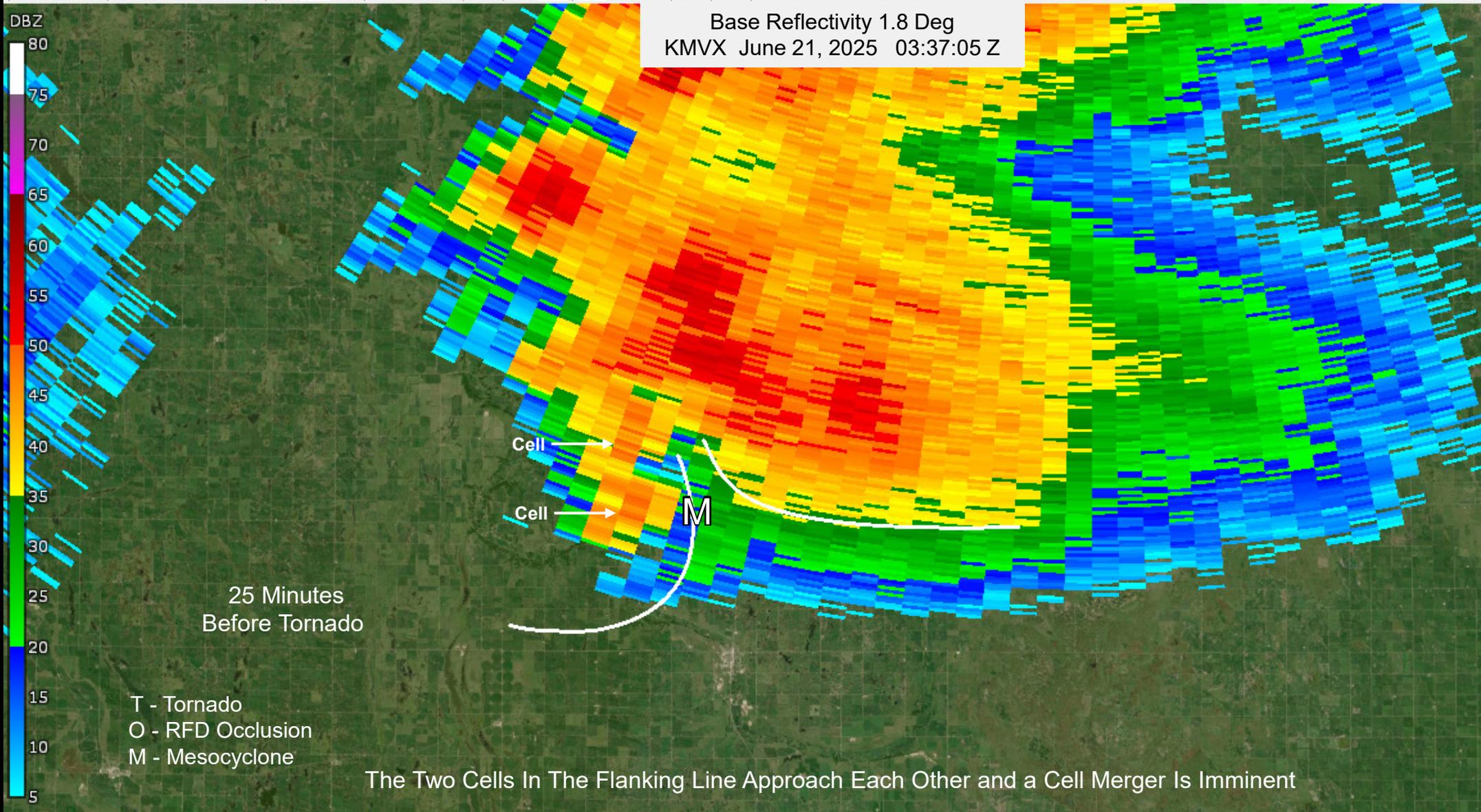
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:28:57 Z  
 Prod: 06/21/2025 03:30:47 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.845°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.4°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 62.5 dbz  
 Az: 208.6°  
 Ran: 44.5 nm



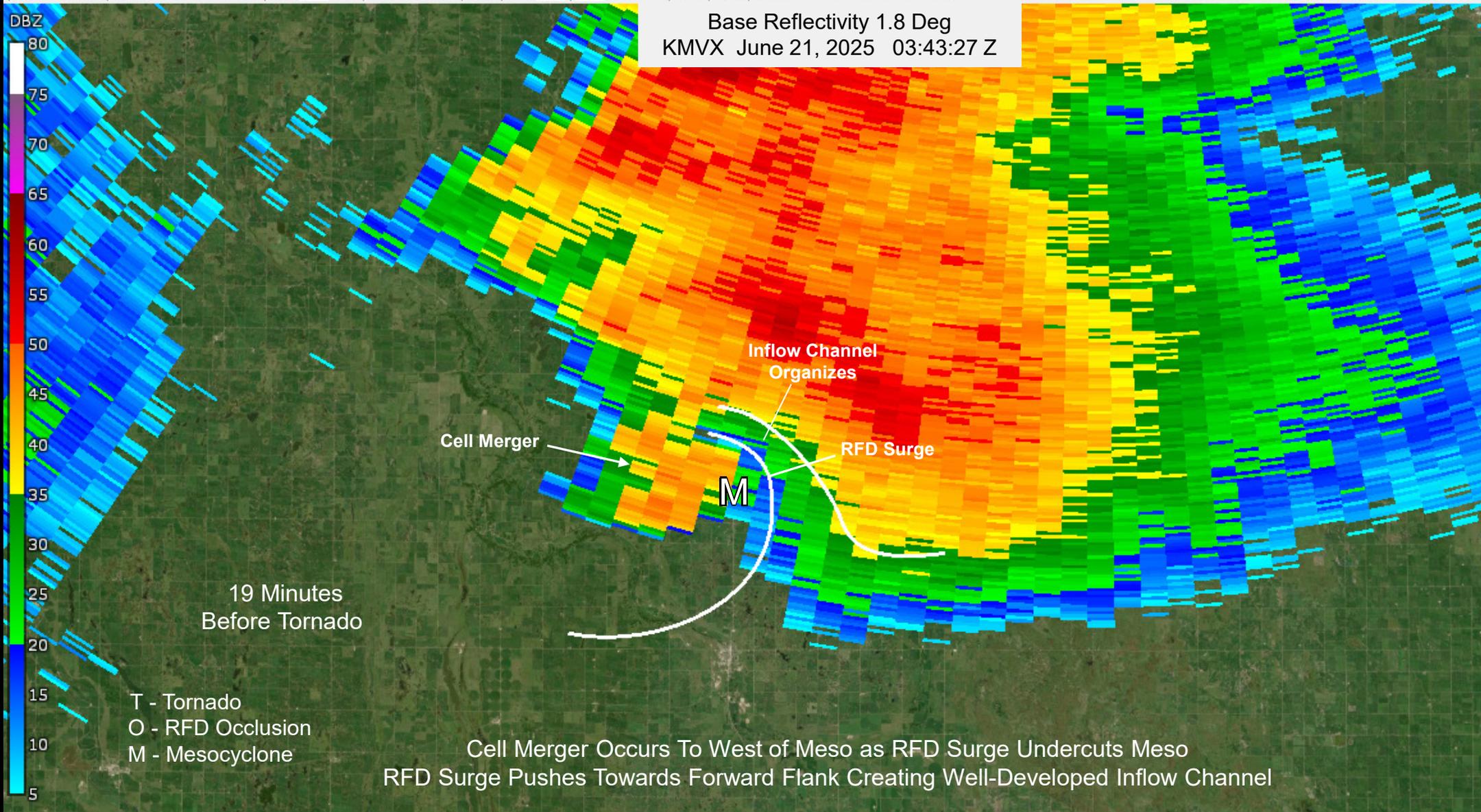
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:35:14 Z  
 Prod: 06/21/2025 03:37:05 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.845°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 61.0 dbz  
 Az: 136.6°  
 Ran: 13.4 nm



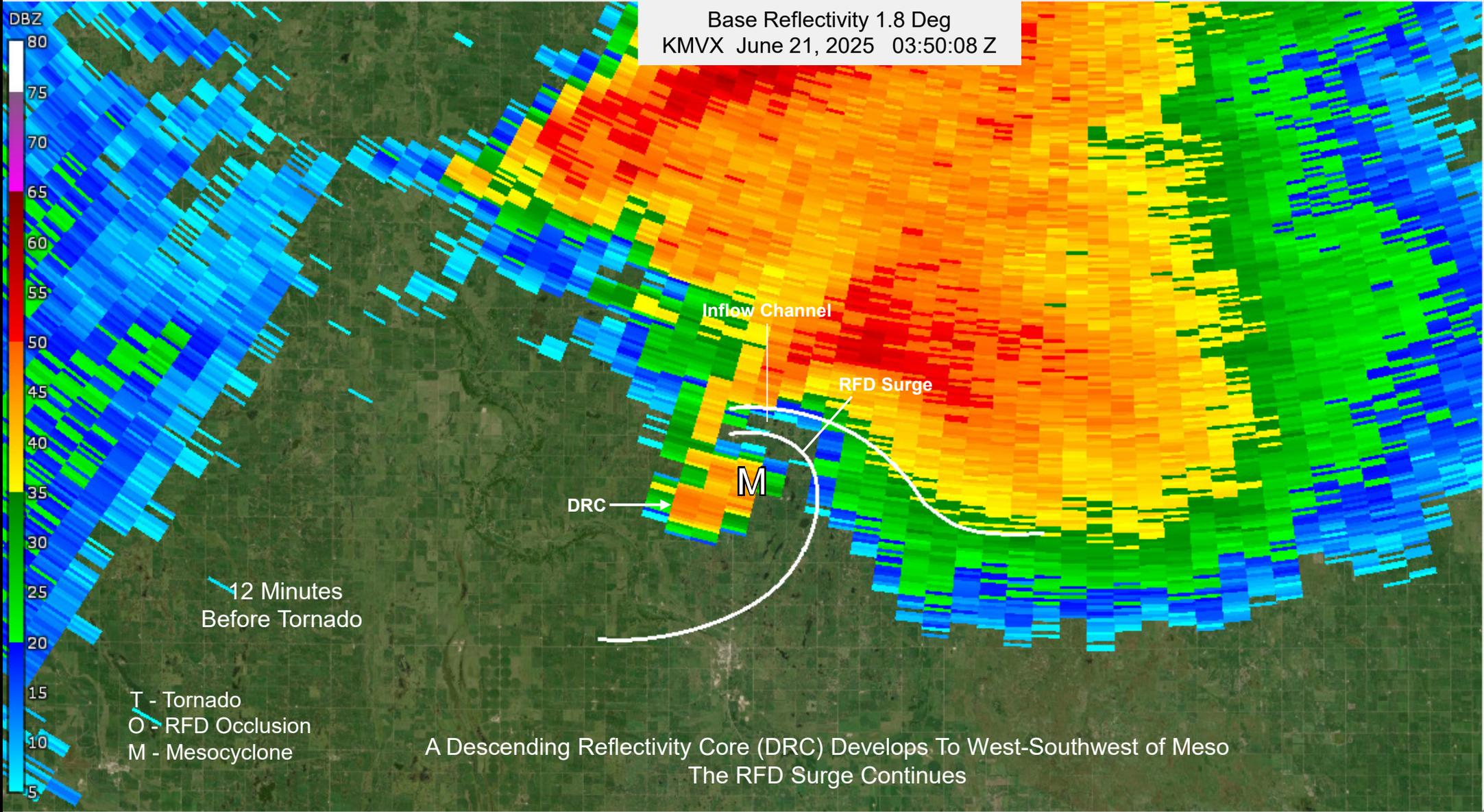
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:41:32 Z  
 Prod: 06/21/2025 03:43:27 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.845°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 63.0 dbz  
 Az: 97.6°  
 Ran: 42.8 nm



Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:48:00 Z  
 Prod: 06/21/2025 03:50:08 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.845°

- Select Product:
- BR
  - BV
  - SRV
  - SW
  - ET
  - VIL
  - VIL\_D
  - POSH
  - MEHS
  - NROT
  - ZDR
  - CC
  - PHI
  - KDP
  - HCA

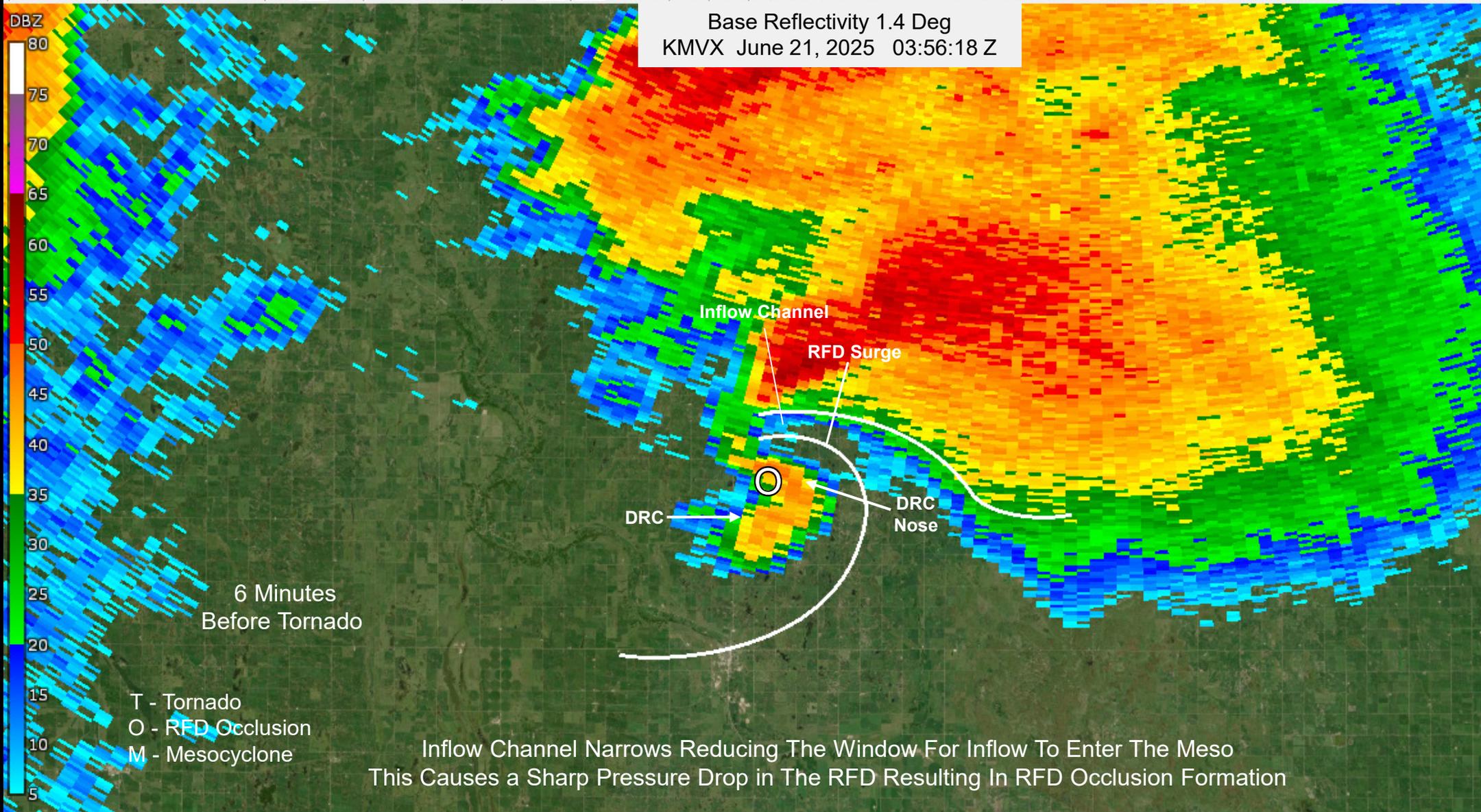
- Select Tilt:
- - 
  - 
  - 
  - 
  - 
  - 
  - 
  - 
  - 
  - 
  - 
  - 
  -

Product Details:

Max: 62.0 dbz  
 Az: 111.6°  
 Ran: 13.7 nm

T - Tornado  
 O - RFD Occlusion  
 M - Mesocyclone

A Descending Reflectivity Core (DRC) Develops To West-Southwest of Meso  
 The RFD Surge Continues



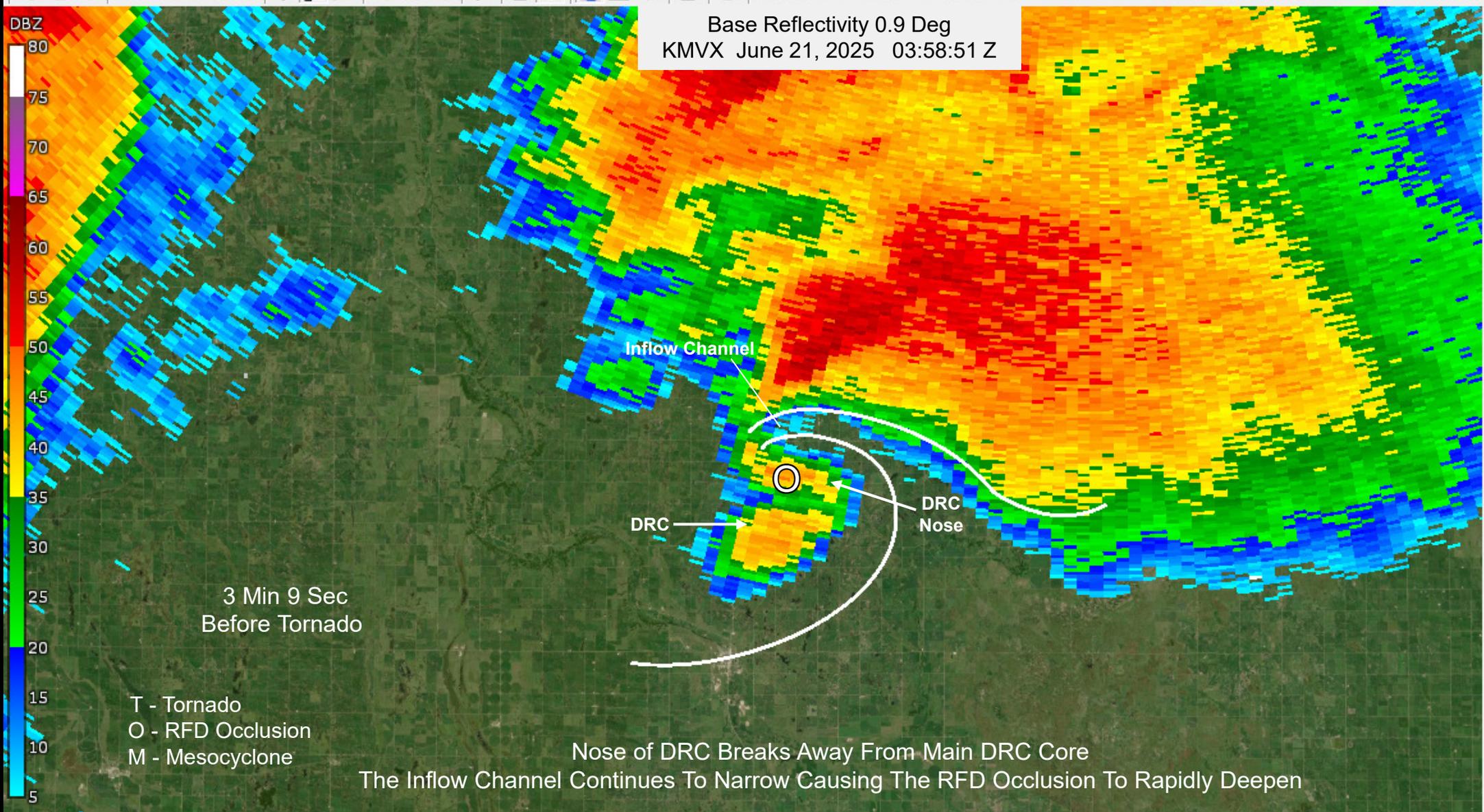
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:54:53 Z  
 Prod: 06/21/2025 03:56:18 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.361°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.2°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 64.5 dbz  
 Az: 274.3°  
 Ran: 59.4 nm



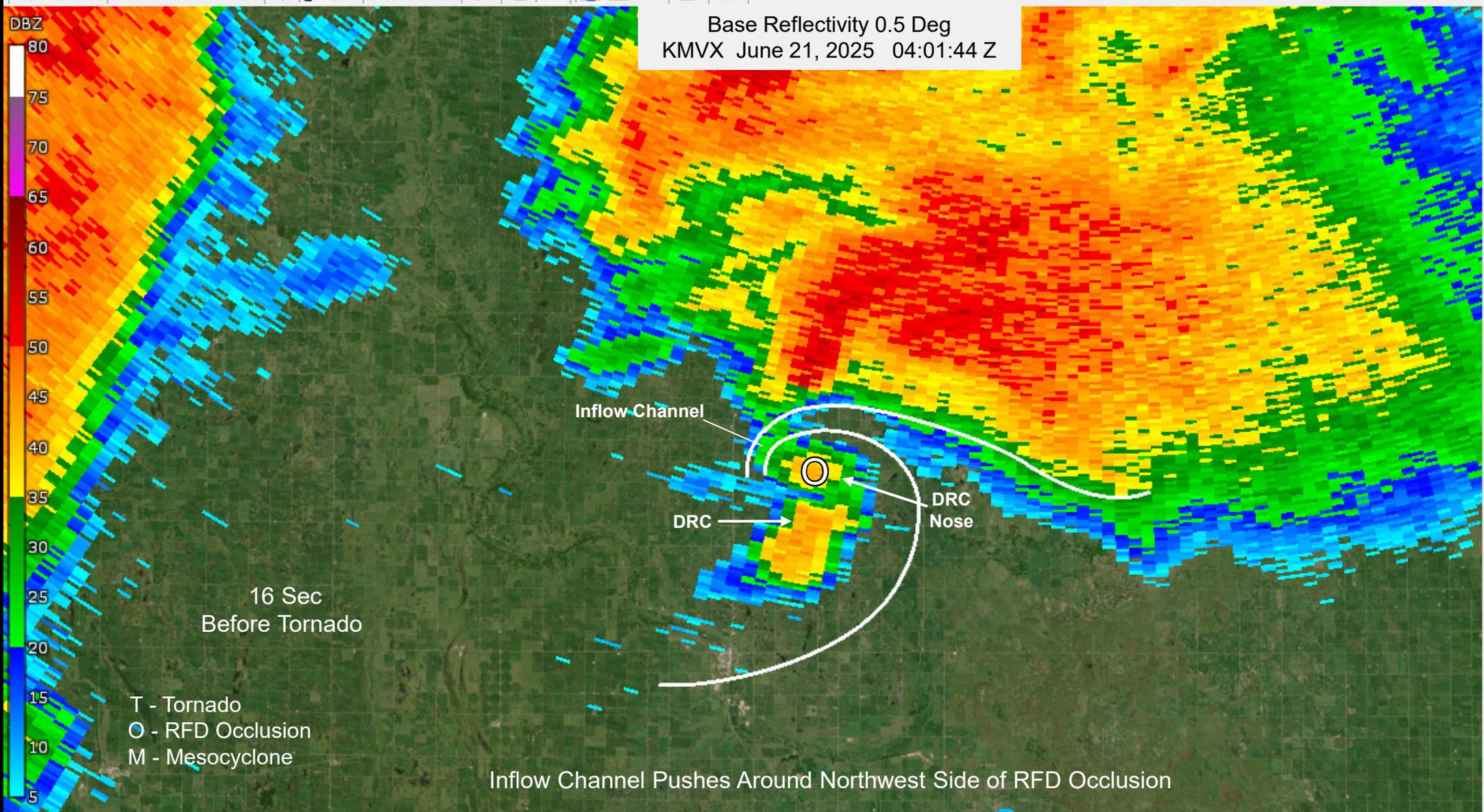
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:54:53 Z  
 Prod: 06/21/2025 03:58:51 Z  
 VCP: 212 SMV: ----  
 Tilt: 0.922°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- - 
  - 
  -

Product Details:

Max: 66.5 dbz  
 Az: 277.2°  
 Ran: 59.5 nm



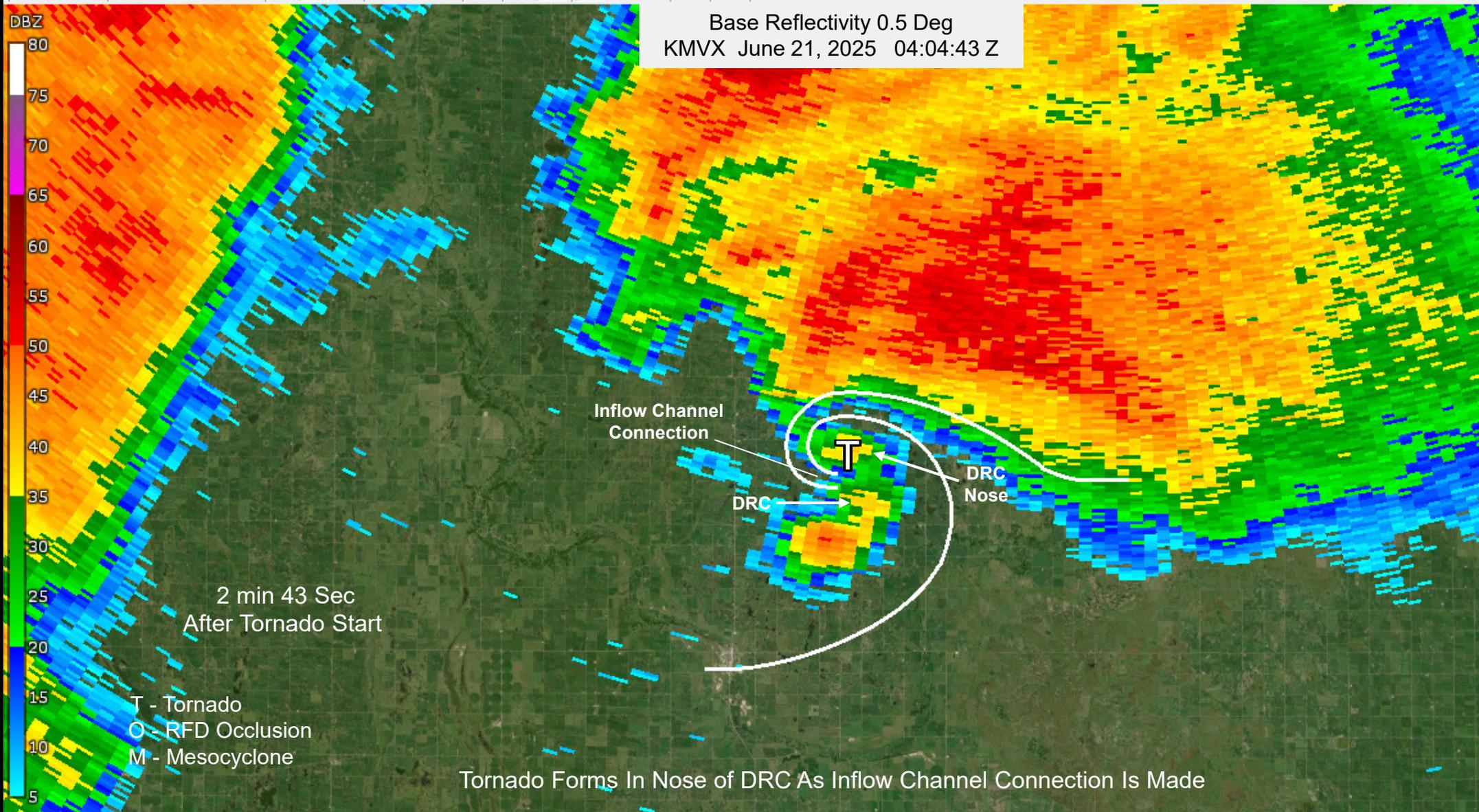
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 04:01:44 Z  
 Prod: 06/21/2025 04:01:44 Z  
 VCP: 212 SMV: ----  
 Tilt: 0.526°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 65.5 dbz  
 Az: 277.8°  
 Ran: 58.7 nm



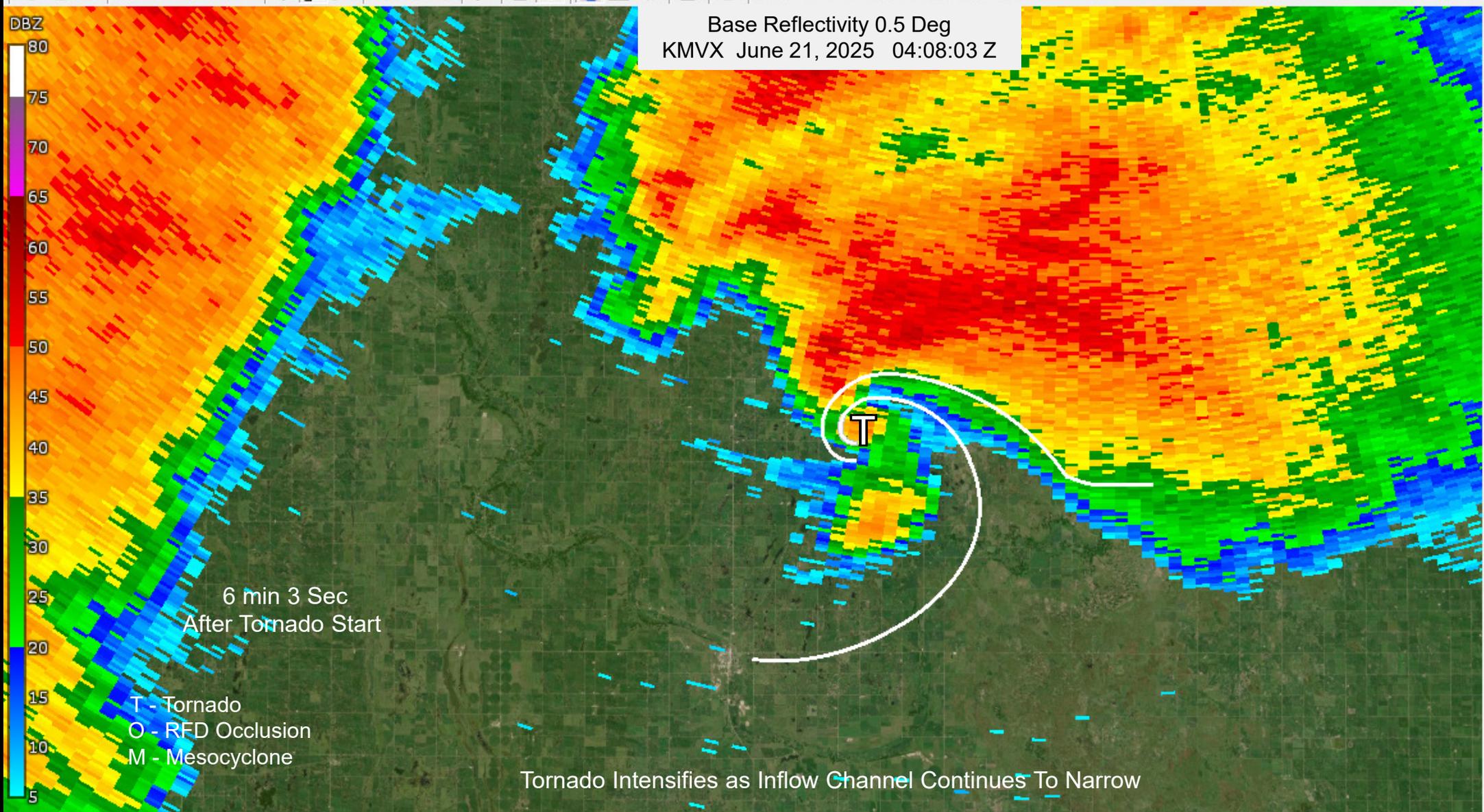
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 04:01:44 Z  
 Prod: 06/21/2025 04:04:43 Z  
 VCP: 212 SMV: ----  
 Tilt: 0.524°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 65.5 dbz  
 Az: 280.3°  
 Ran: 58.6 nm



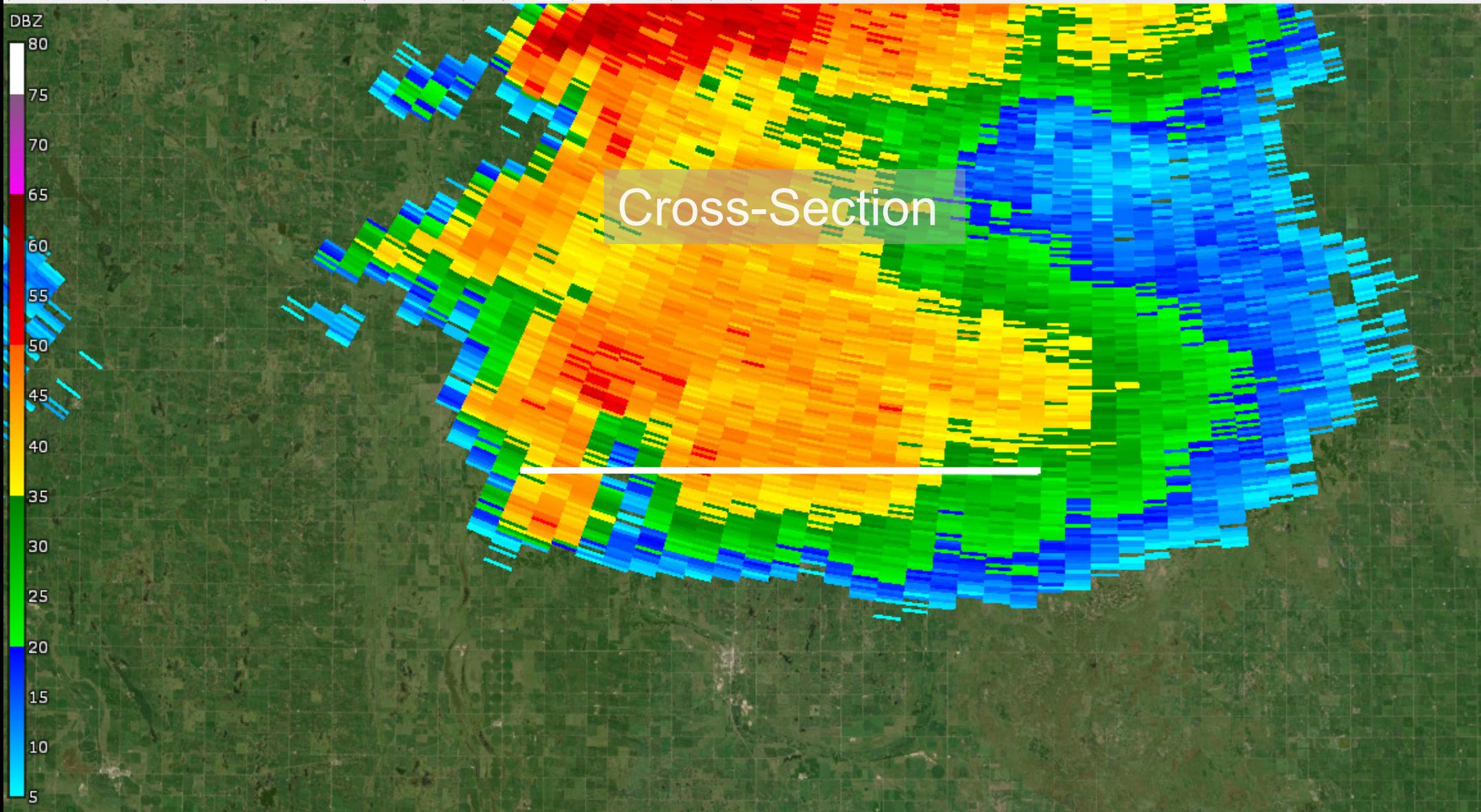
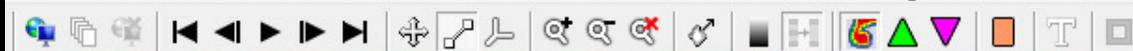
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 04:08:03 Z  
 Prod: 06/21/2025 04:08:03 Z  
 VCP: 212 SMV: ----  
 Tilt: 0.526°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 65.5 dbz  
 Az: 252.3°  
 Ran: 44.0 nm



Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:28:57 Z  
 Prod: 06/21/2025 03:30:47 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.845°

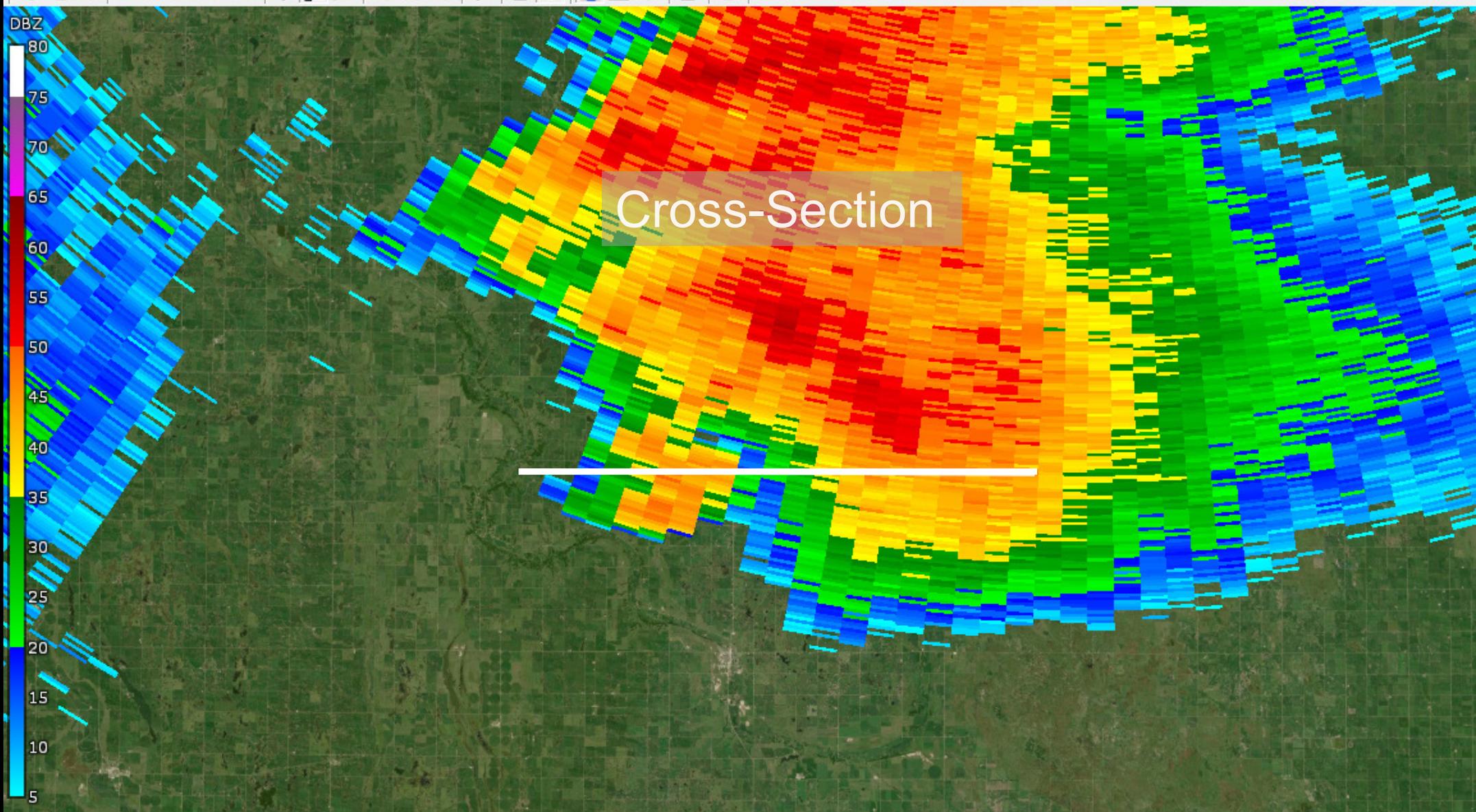
- Select Product:
- BR  VIL  ZDR
  - BV  VIL<sub>D</sub>  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.4°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 62.5 dbz  
 Az: 208.6°  
 Ran: 44.5 nm





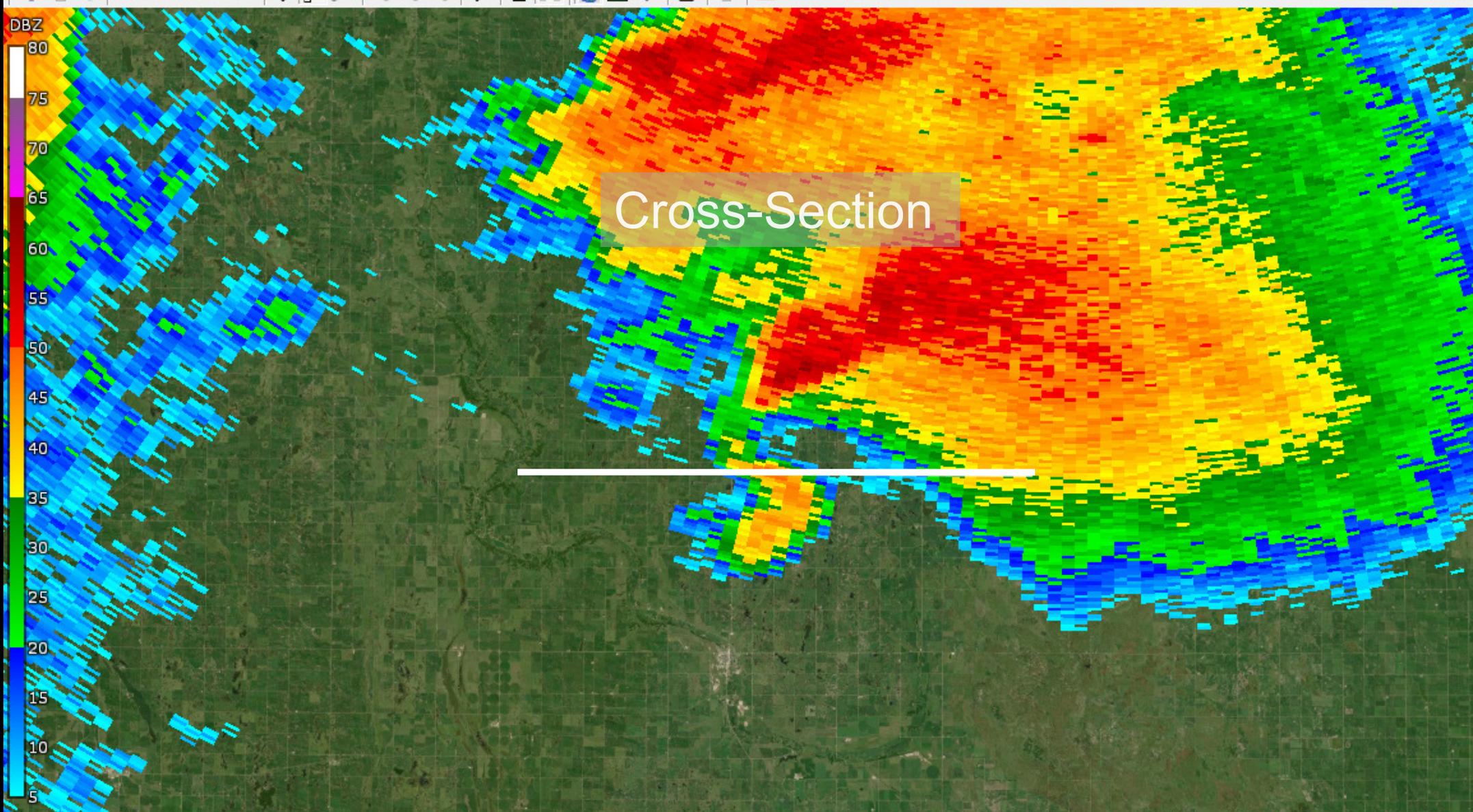
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:41:32 Z  
 Prod: 06/21/2025 03:43:27 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.845°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL\_D  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.1°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 63.0 dbz  
 Az: 97.6°  
 Ran: 42.8 nm



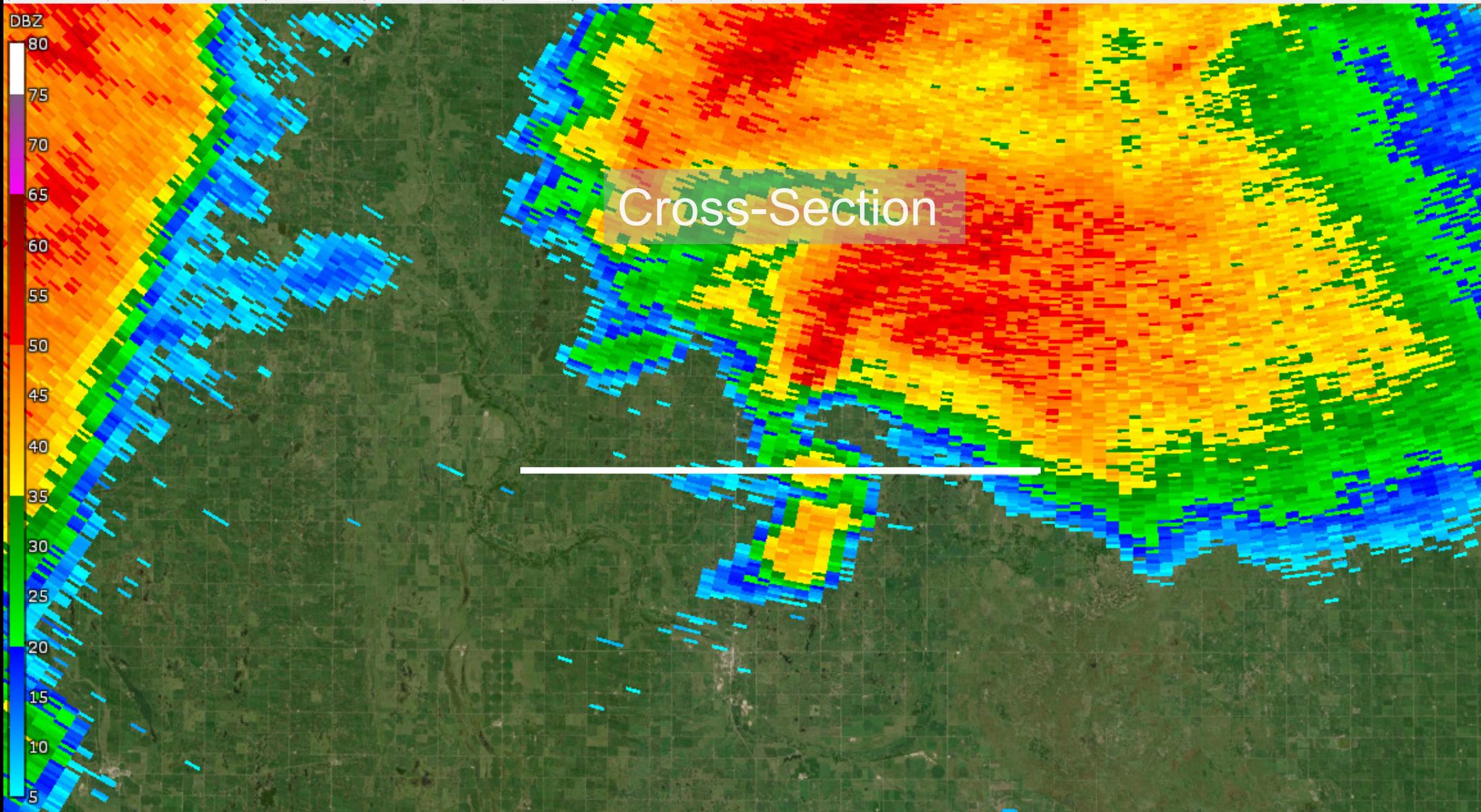
Site: KMVX - MRLE\_3  
 VST: 06/21/2025 03:54:53 Z  
 Prod: 06/21/2025 03:56:18 Z  
 VCP: 212 SMV: ----  
 Tilt: 1.361°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL<sub>D</sub>  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- |       |       |       |       |
|-------|-------|-------|-------|
| 0.5°  | 0.9°  | 1.4°  | 1.8°  |
| 2.5°  | 3.2°  | 4.0°  | 5.1°  |
| 6.4°  | 8.0°  | 10.0° | 12.4° |
| 15.6° | 19.5° |       |       |

Product Details:

Max: 64.5 dbz  
 Az: 274.3°  
 Ran: 59.4 nm



Site: KMVX - MRLE\_3  
 VST: 06/21/2025 04:01:44 Z  
 Prod: 06/21/2025 04:01:44 Z  
 VCP: 212 SMV: ----  
 Tilt: 0.526°

- Select Product:
- BR  VIL  ZDR
  - BV  VIL<sub>D</sub>  CC
  - SRV  POSH  PHI
  - SW  MEHS  KDP
  - ET  NROT  HCA

- Select Tilt:
- - 
  - 
  -

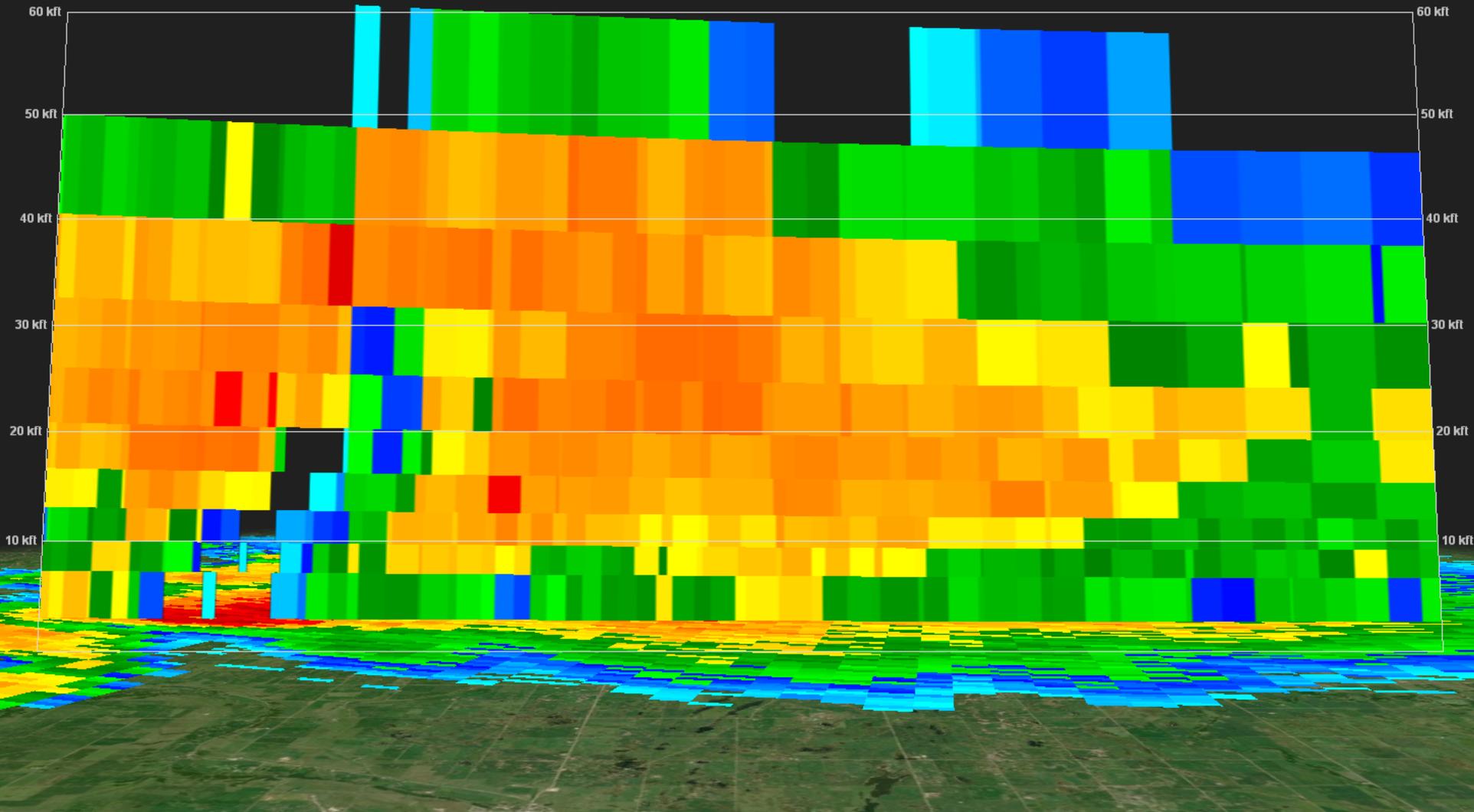
Product Details:

Max: 65.5 dbz  
 Az: 277.8°  
 Ran: 58.7 nm

# Base Reflectivity Cross-Section KMVX June 21, 2024 03:28:57 Z

From Grand Forks, North Dakota Radar

## Descending Reflectivity Core (DRC)



Volume:  
 Date: 06/21/2025  
 Time: 03:28:57 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

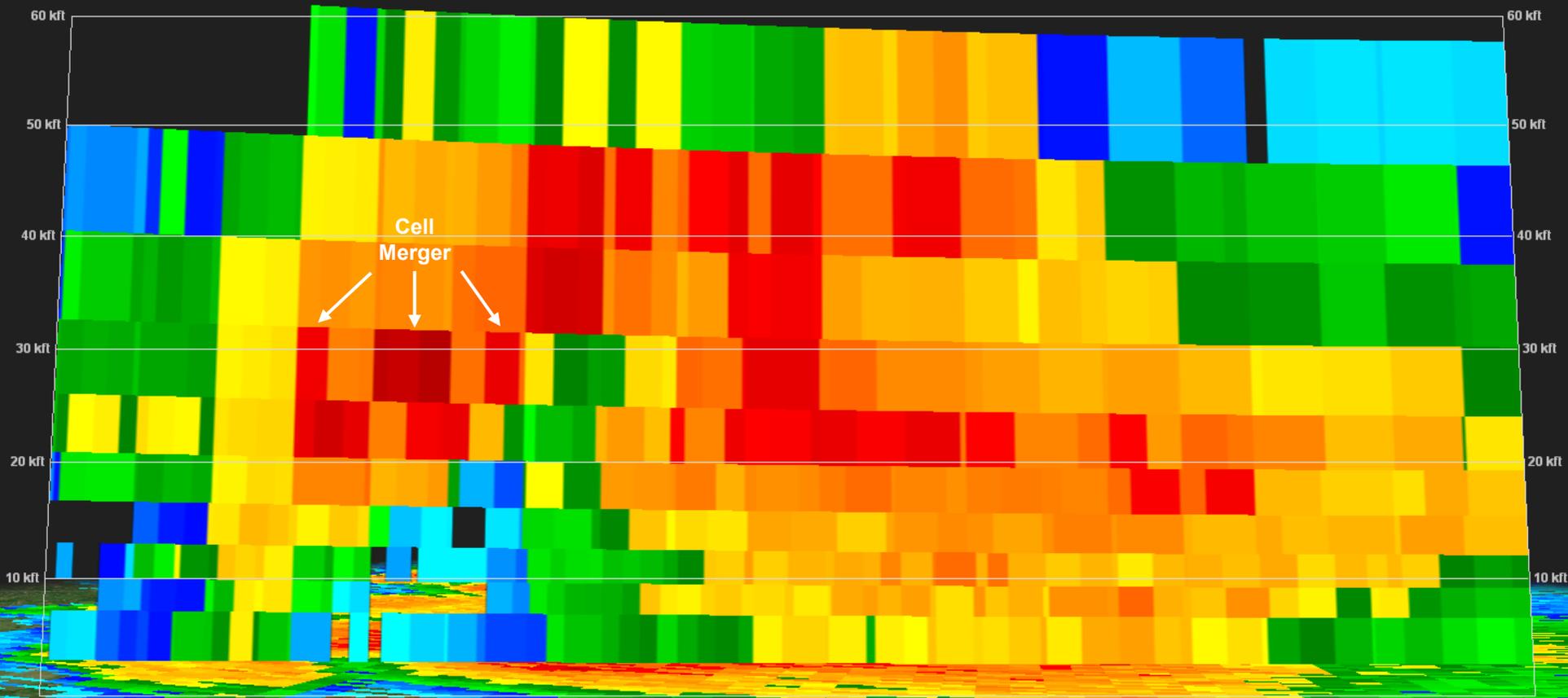
Position      Swing

Vertical sliders for Position and Swing.

Smoothing

From Grand Forks, North Dakota Radar

### Descending Reflectivity Core (DRC)



Cell Merger In Process Within Flanking Line of Enderlin Supercell

Volume:  
Date: 06/21/2025  
Time: 03:35:14 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

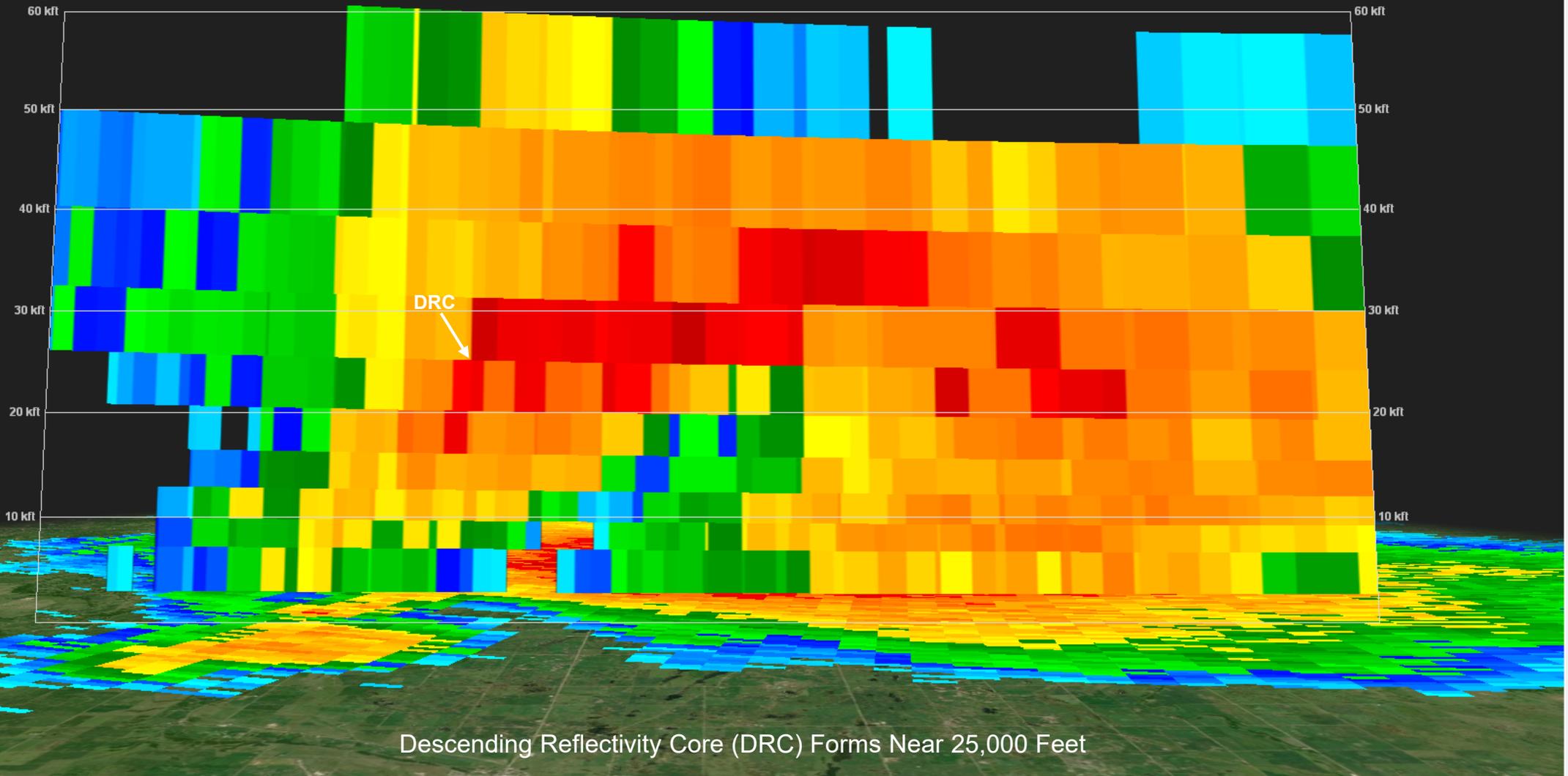
Adjust Slice:

Position      Swing

Smoothing

From Grand Forks, North Dakota Radar

## Descending Reflectivity Core (DRC)



Volume:  
Date: 06/21/2025  
Time: 03:41:32 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

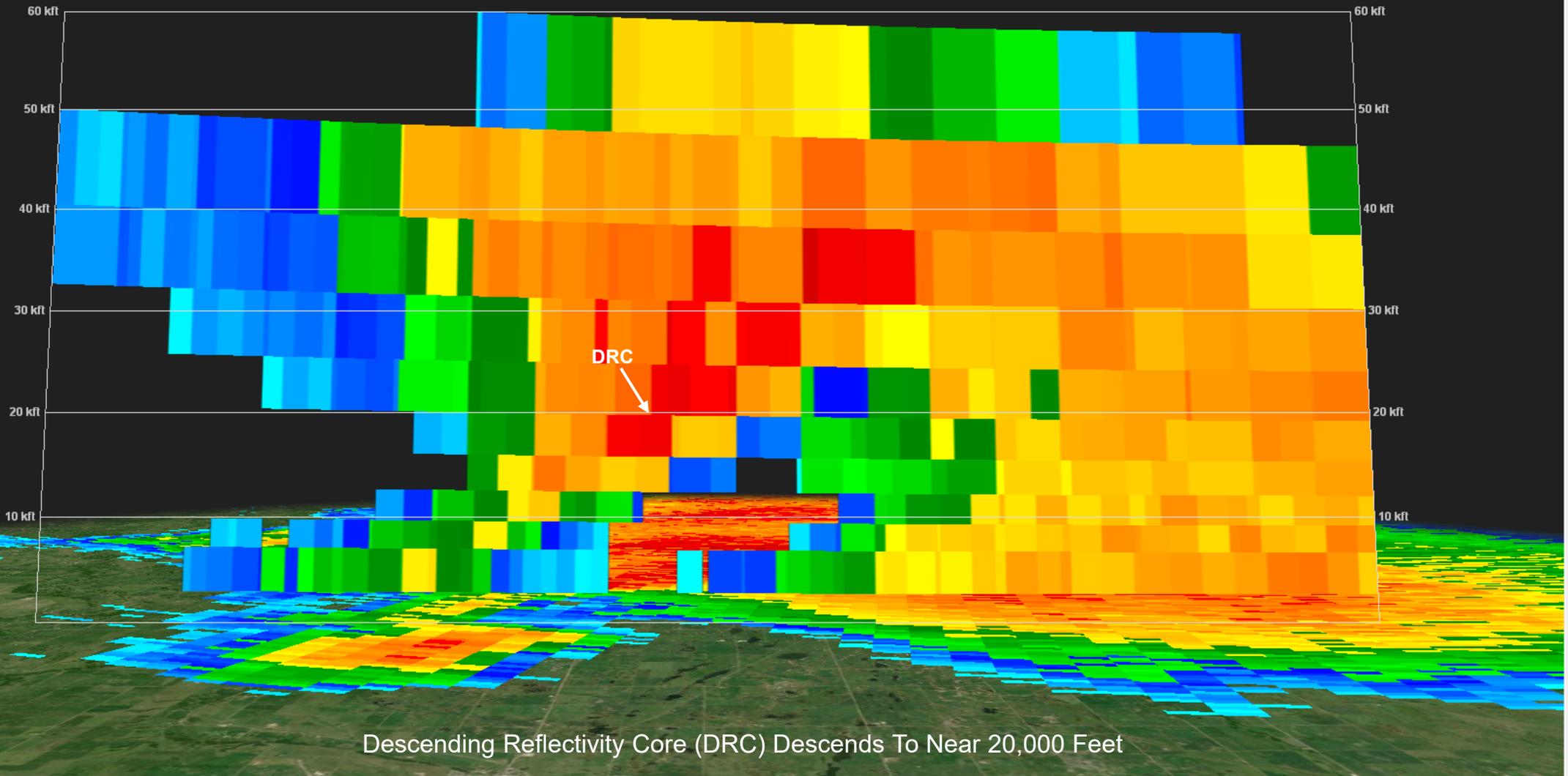
Position      Swing

Vertical sliders for Position and Swing.

Smoothing

From Grand Forks, North Dakota Radar

### Descending Reflectivity Core (DRC)



Descending Reflectivity Core (DRC) Descends To Near 20,000 Feet

Volume:  
Date: 06/21/2025  
Time: 03:48:00 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

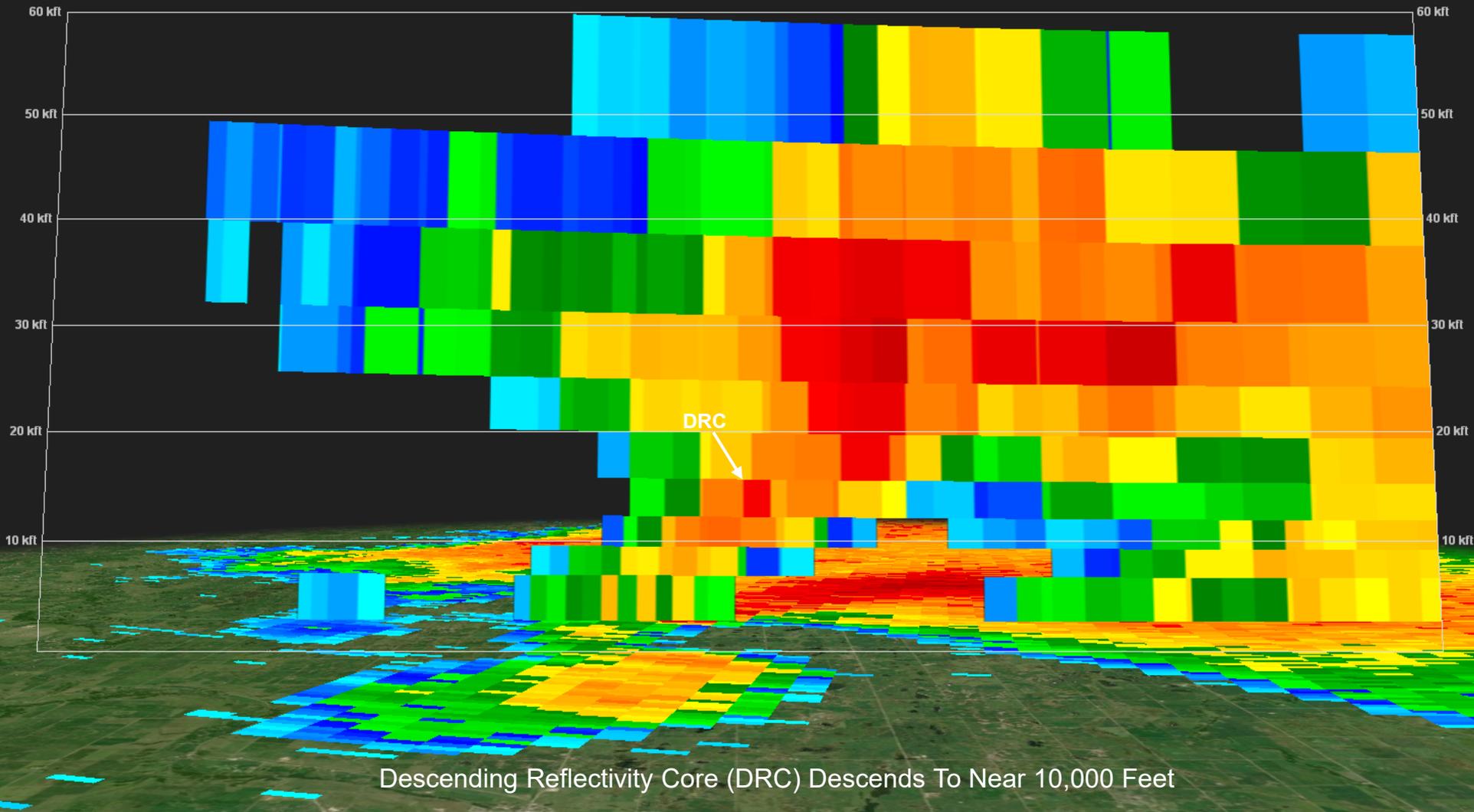
Position      Swing

Vertical sliders for Position and Swing.

Smoothing

From Grand Forks, North Dakota Radar

### Descending Reflectivity Core (DRC)



Volume:  
Date: 06/21/2025  
Time: 03:54:53 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

Position      Swing

Smoothing

Descending Reflectivity Core (DRC) Descends To Near 10,000 Feet

From Grand Forks, North Dakota Radar

### Descending Reflectivity Core (DRC)

Volume:  
Date: 06/21/2025  
Time: 04:01:44 Z

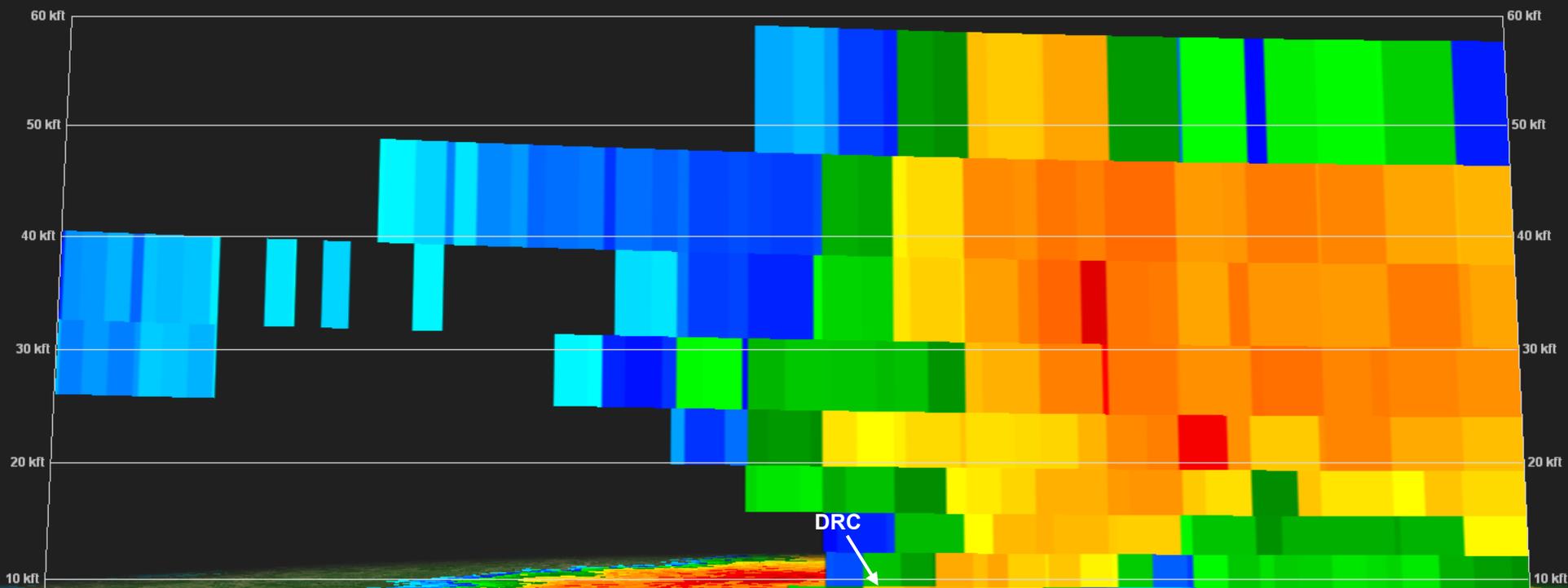
- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

Position

Swing

Smoothing



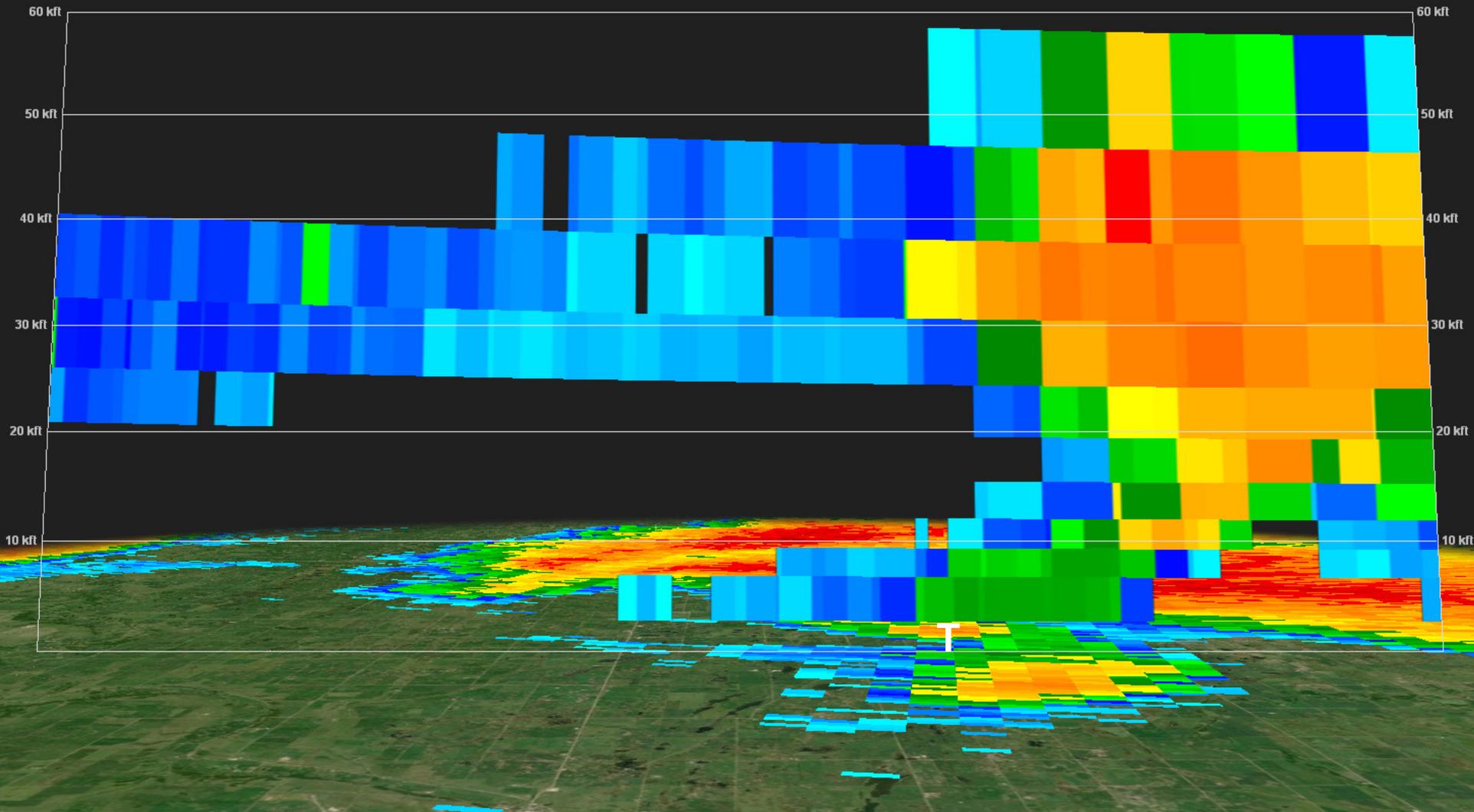
DRC

T

DRC Reaches Surface and Tornado Forms

From Grand Forks, North Dakota Radar

## Descending Reflectivity Core (DRC)



Volume:  
Date: 06/21/2025  
Time: 04:08:03 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

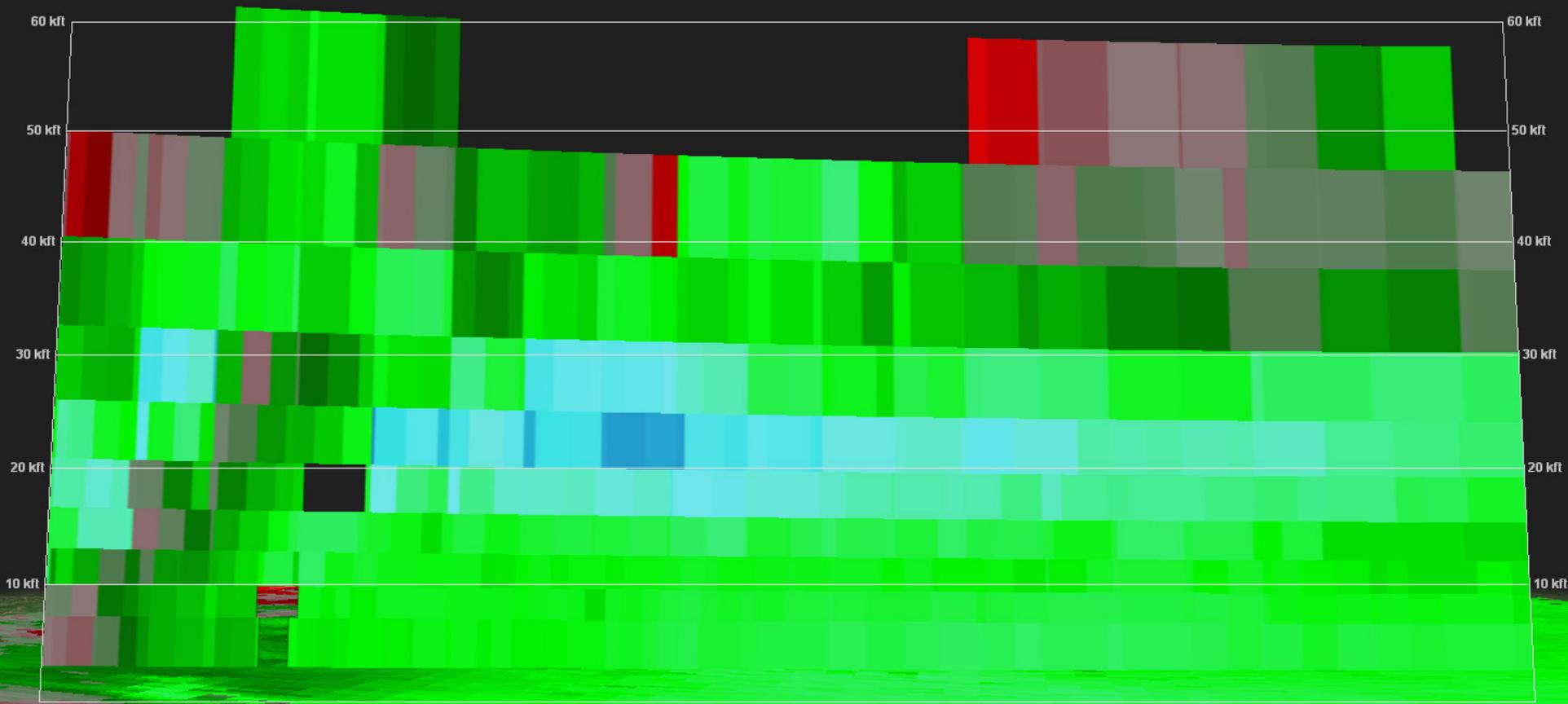
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Volume:  
 Date: 06/21/2025  
 Time: 03:28:57 Z

- Select Product:
- BR
  - BV
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

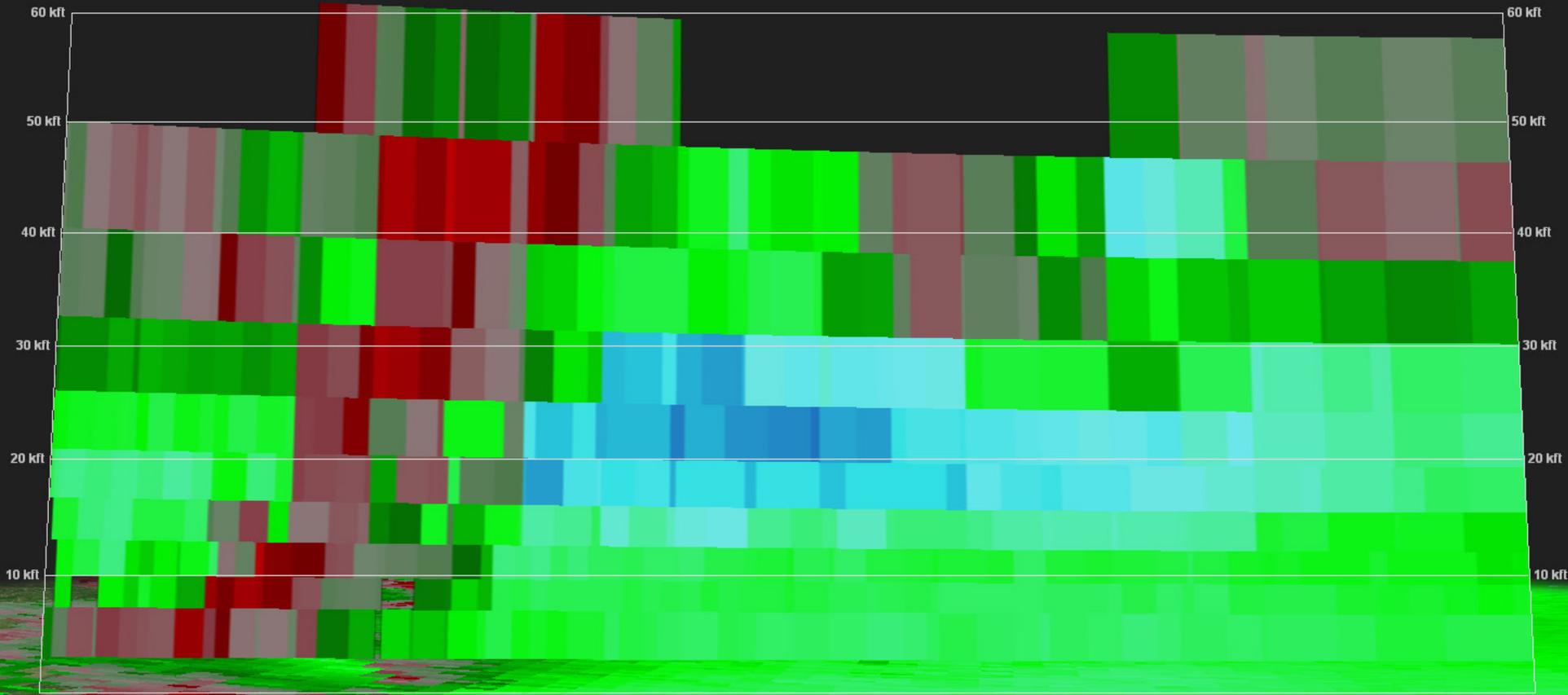
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Volume:  
Date: 06/21/2025  
Time: 03:35:14 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

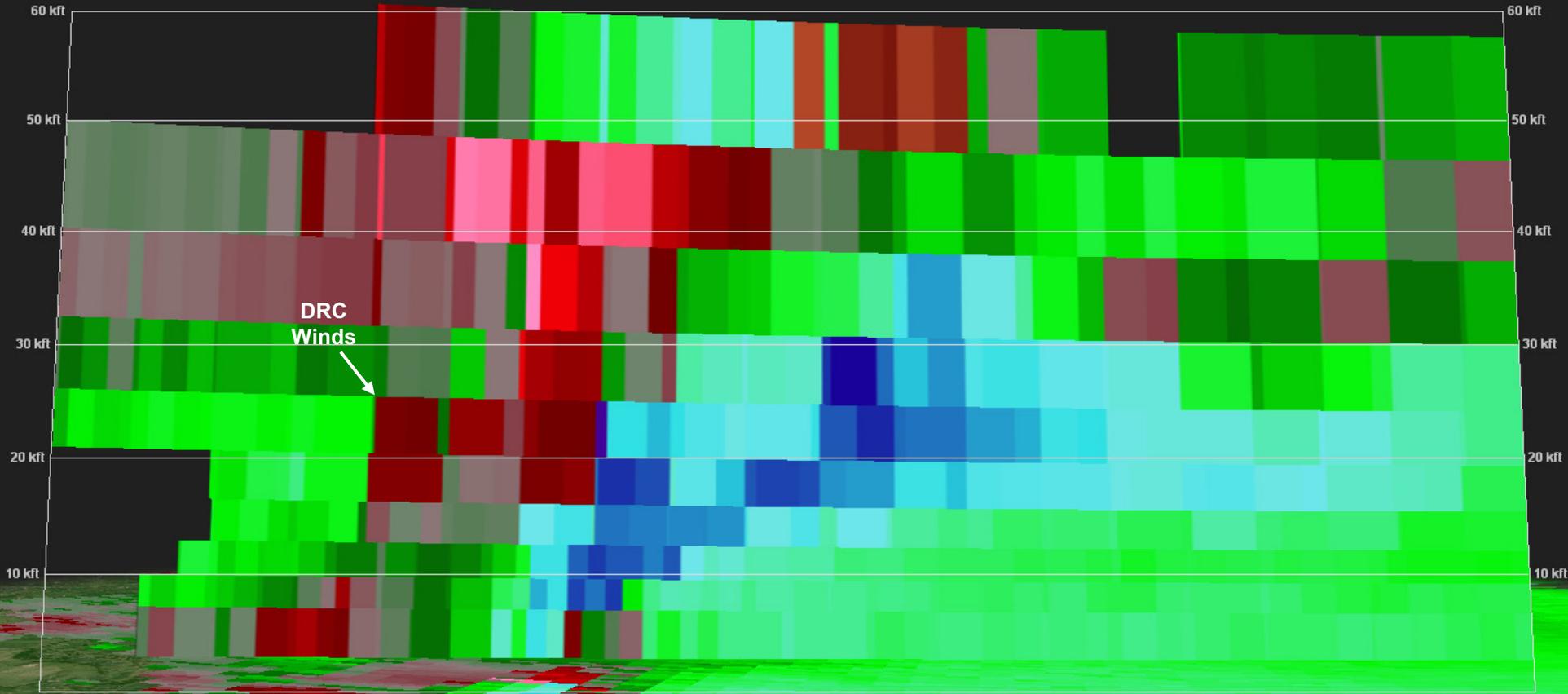
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



DRC Winds

Winds of DRC Begin To Drop From Near 20,000 Feet

Volume:  
Date: 06/21/2025  
Time: 03:41:32 Z

- Select Product:
- BR
  - BV
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

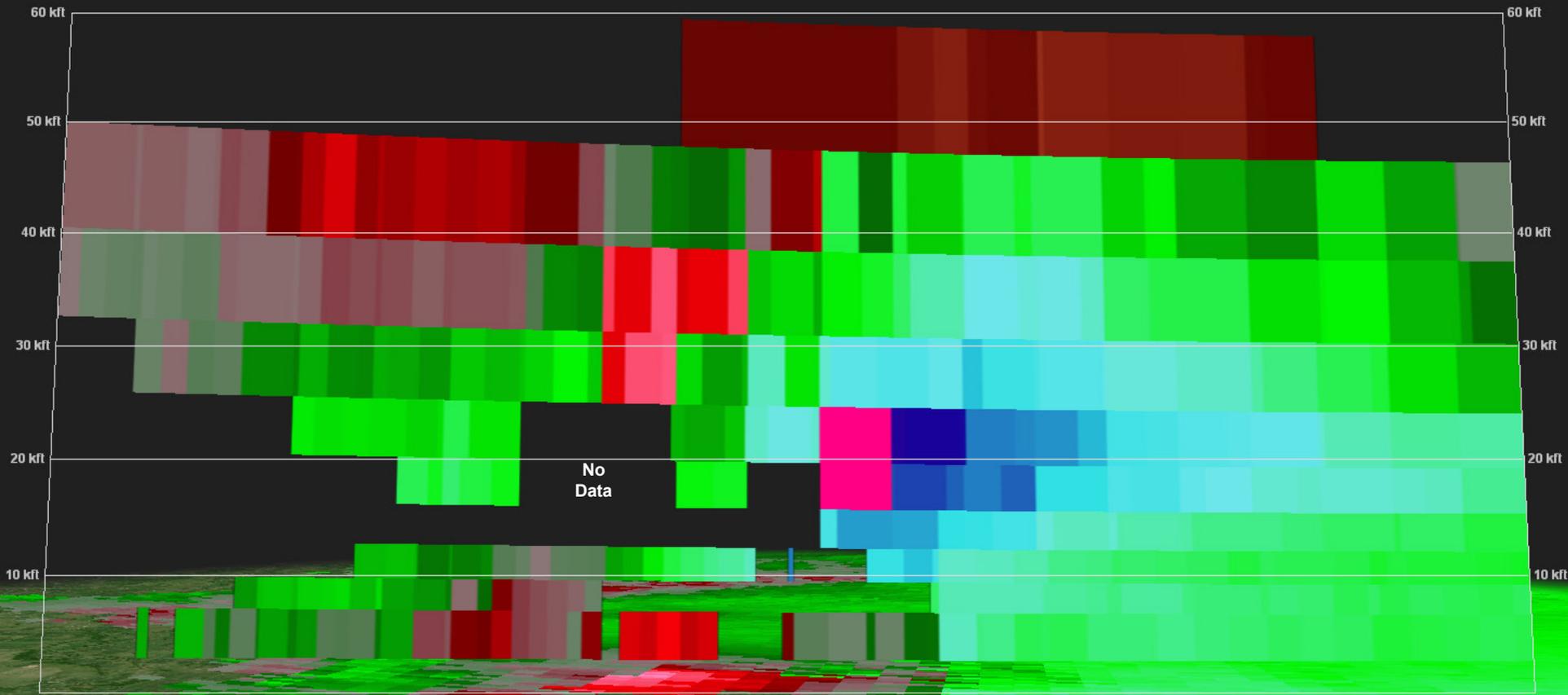
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Winds of DRC Pass Through Data Void From Near 15,000 Feet

Volume:  
Date: 06/21/2025  
Time: 03:48:00 Z

- Select Product:
- BR
  - BV
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

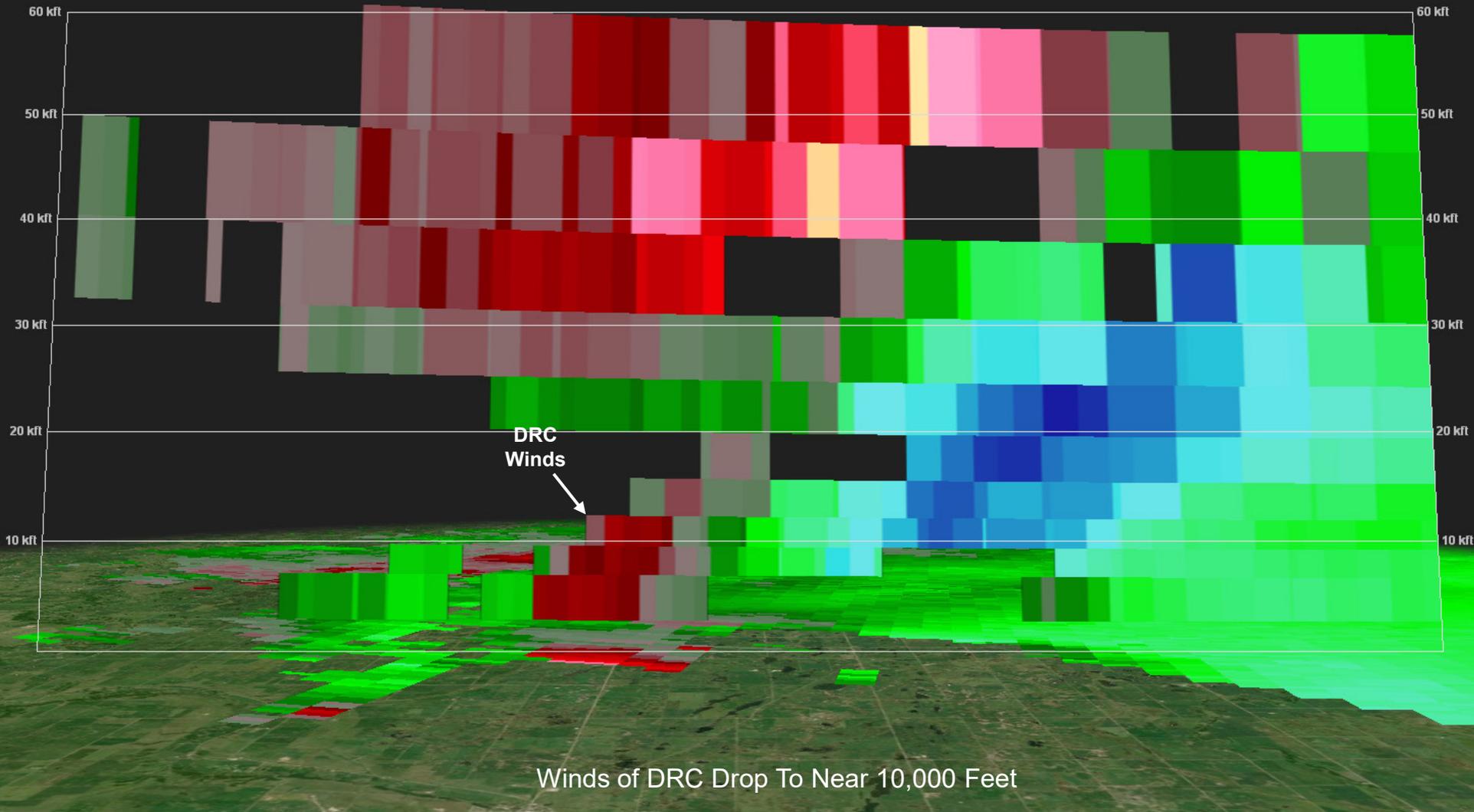
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Volume:  
Date: 06/21/2025  
Time: 03:54:53 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

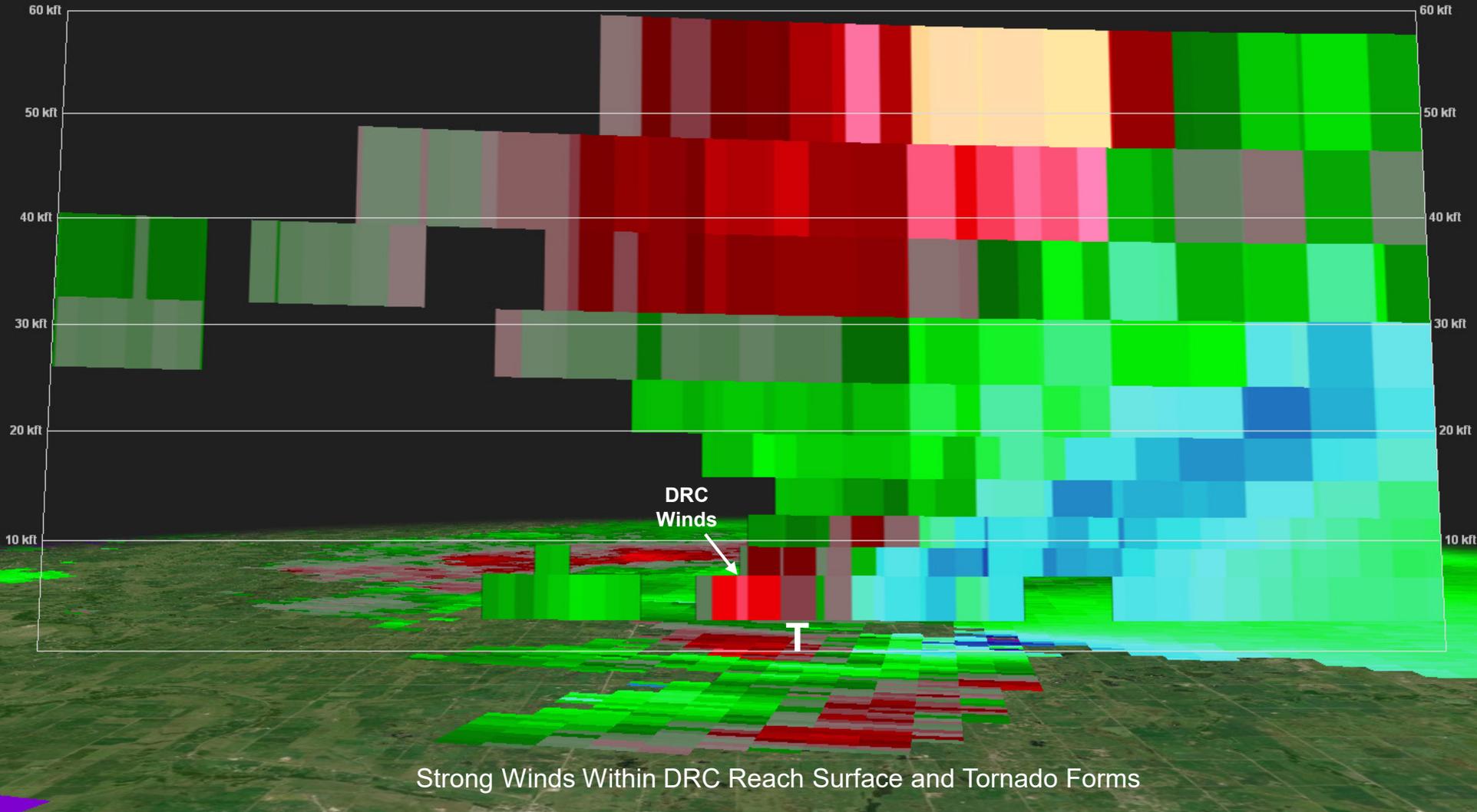
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Strong Winds Within DRC Reach Surface and Tornado Forms

Volume:  
Date: 06/21/2025  
Time: 04:01:44 Z

- Select Product:
- BR
  - BV
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

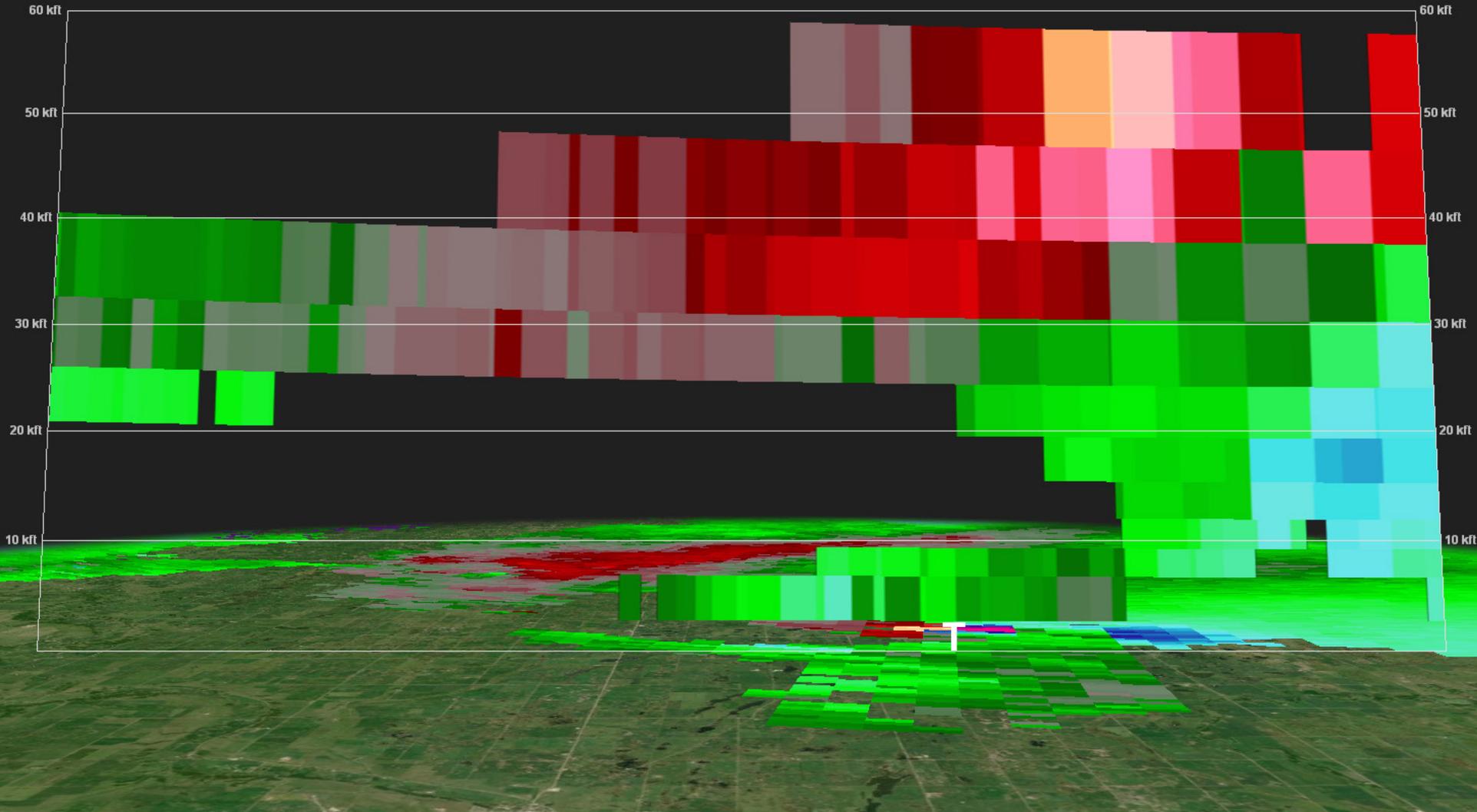
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Volume:  
Date: 06/21/2025  
Time: 04:08:03 Z

- Select Product:
- BR
  - BZ
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

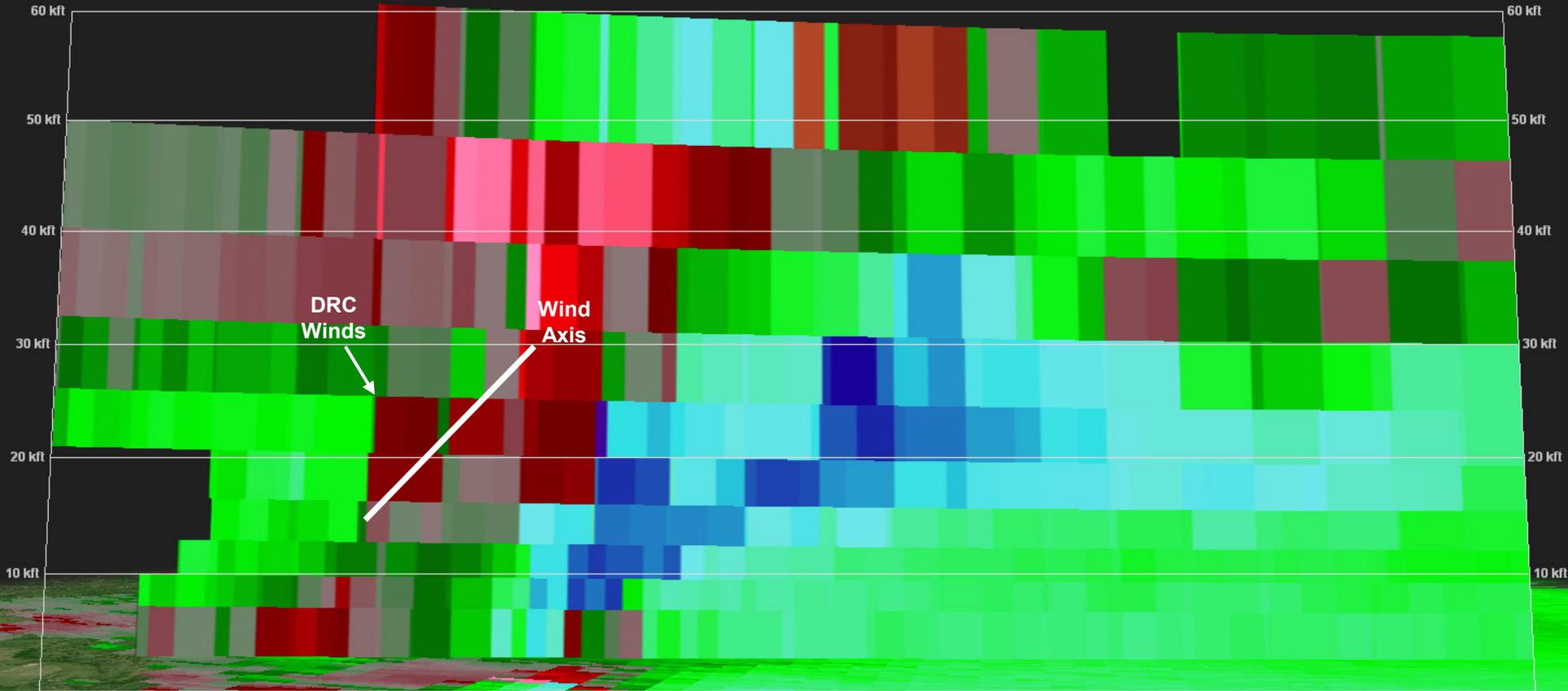
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Winds of DRC Begin To Drop From Near 20,000 Feet

Volume:  
Date: 06/21/2025  
Time: 03:41:32 Z

- Select Product:
- BR
  - BV
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

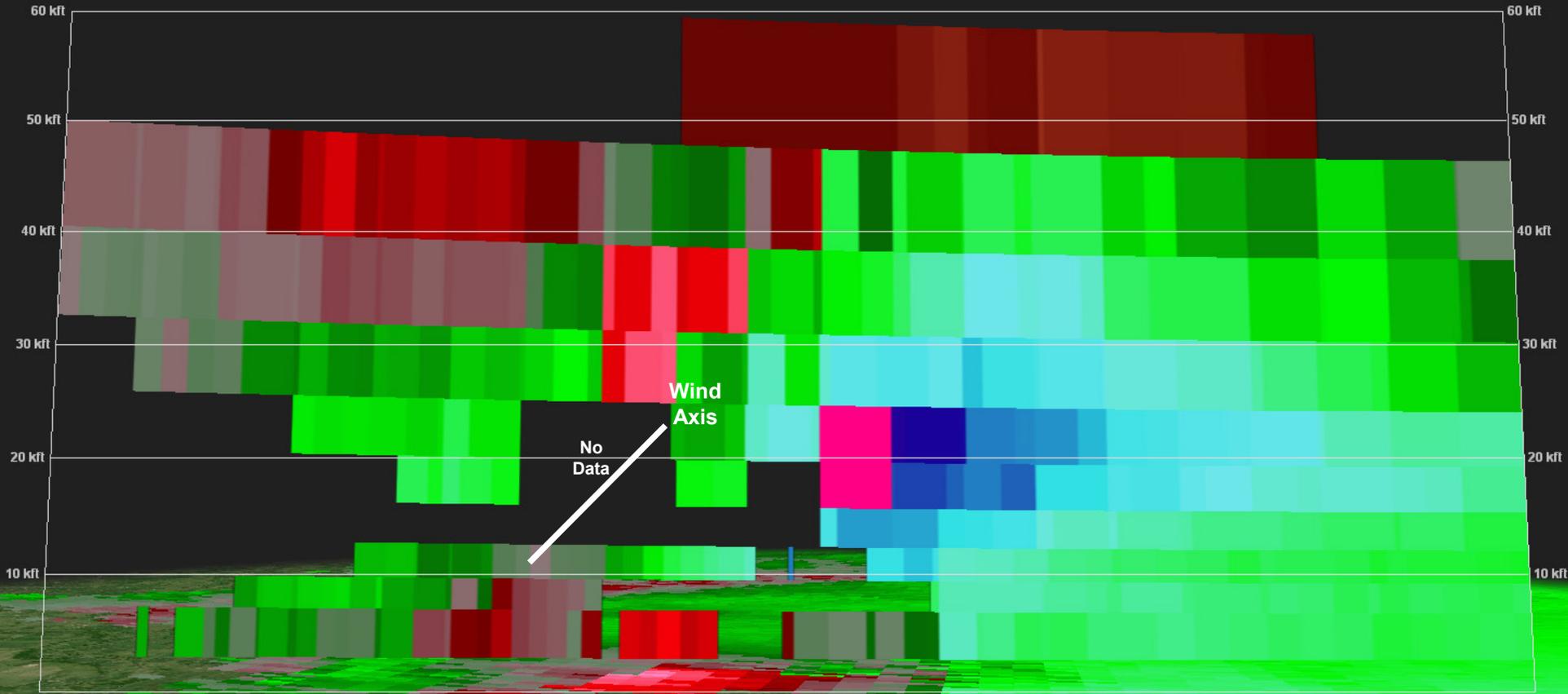
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



No Data

Wind Axis

Winds of DRC Pass Through Data Void Near 15,000 Feet

Volume:  
Date: 06/21/2025  
Time: 03:48:00 Z

- Select Product:
- BR
  - ZDR
  - BV
  - CC
  - SW
  - PHI
  - SRV
  - KDP

Adjust Slice:

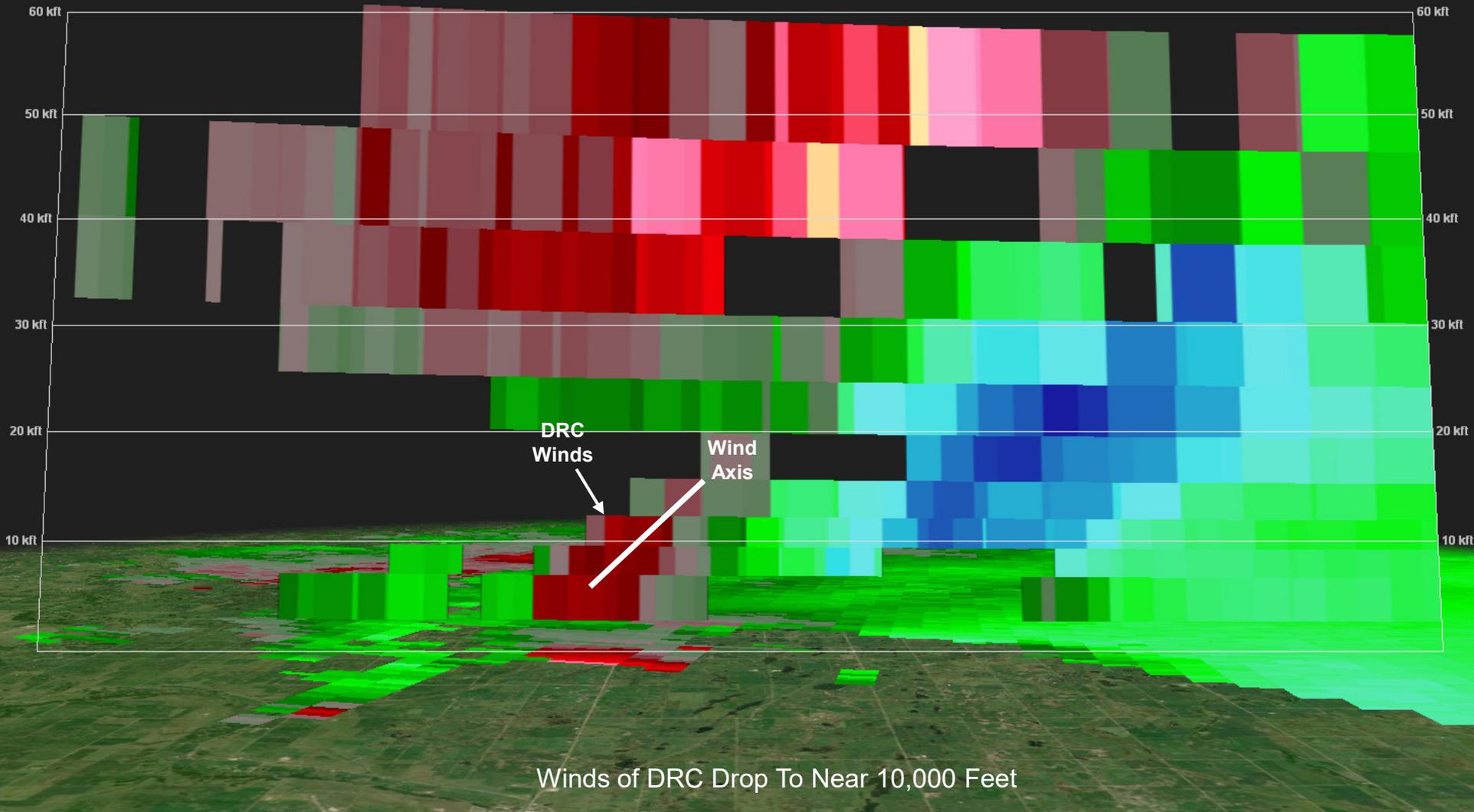
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Volume:

Date: 06/21/2025

Time: 03:54:53 Z

Select Product:

BR  ZDR

BV  CC

SW  PHI

SRV  KDP

Adjust Slice:

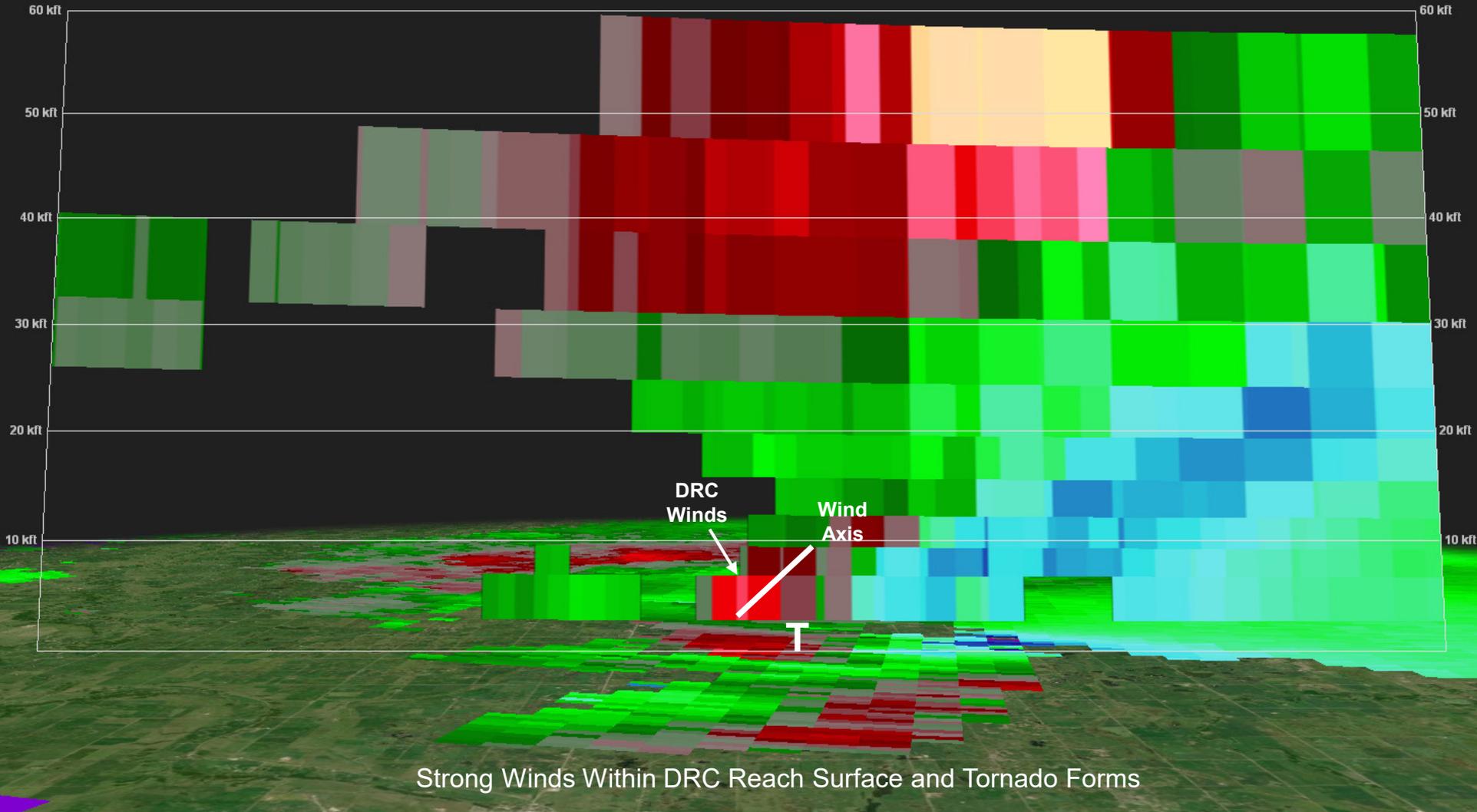
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Strong Winds Within DRC Reach Surface and Tornado Forms

Volume:  
Date: 06/21/2025  
Time: 04:01:44 Z

- Select Product:
- BR
  - BV
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

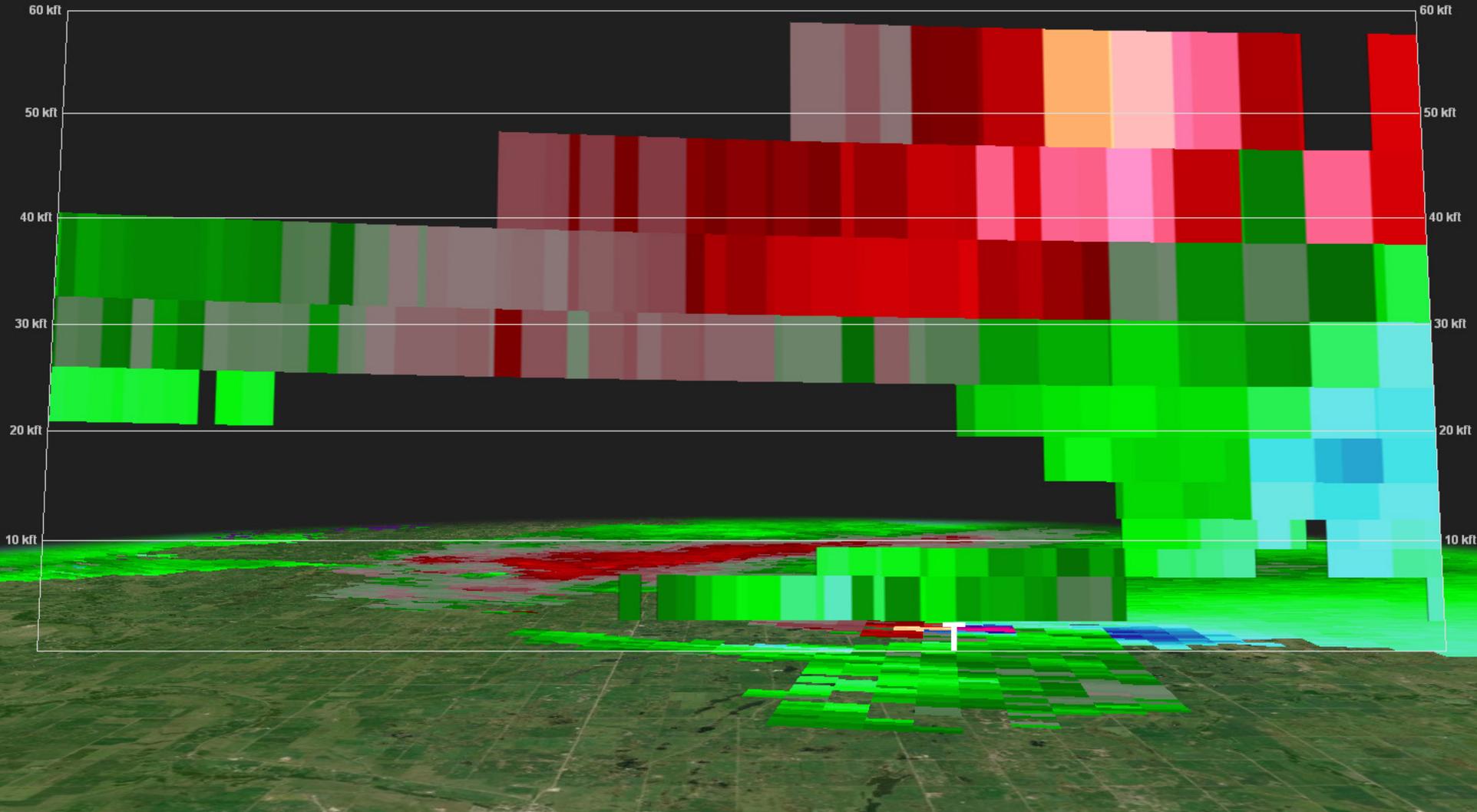
Position

Swing

Smoothing

From Grand Forks, North Dakota Radar

## Winds Associated with Descending Reflectivity Core (DRC)



Volume:  
Date: 06/21/2025  
Time: 04:08:03 Z

- Select Product:
- BR
  - BV
  - SW
  - SRV
  - ZDR
  - CC
  - PHI
  - KDP

Adjust Slice:

Position

Swing

Smoothing

