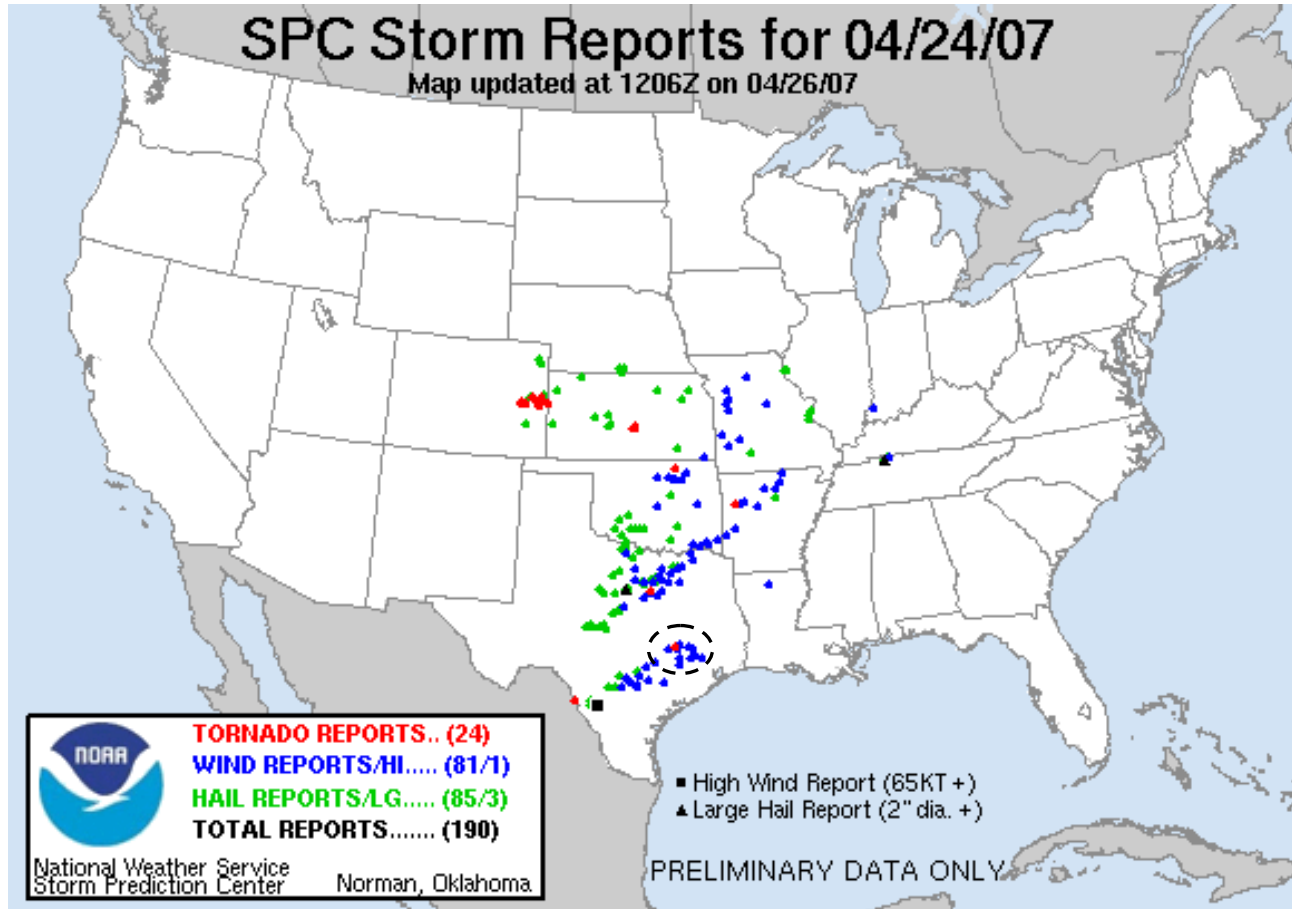


Severe Weather – April 24-25 2007

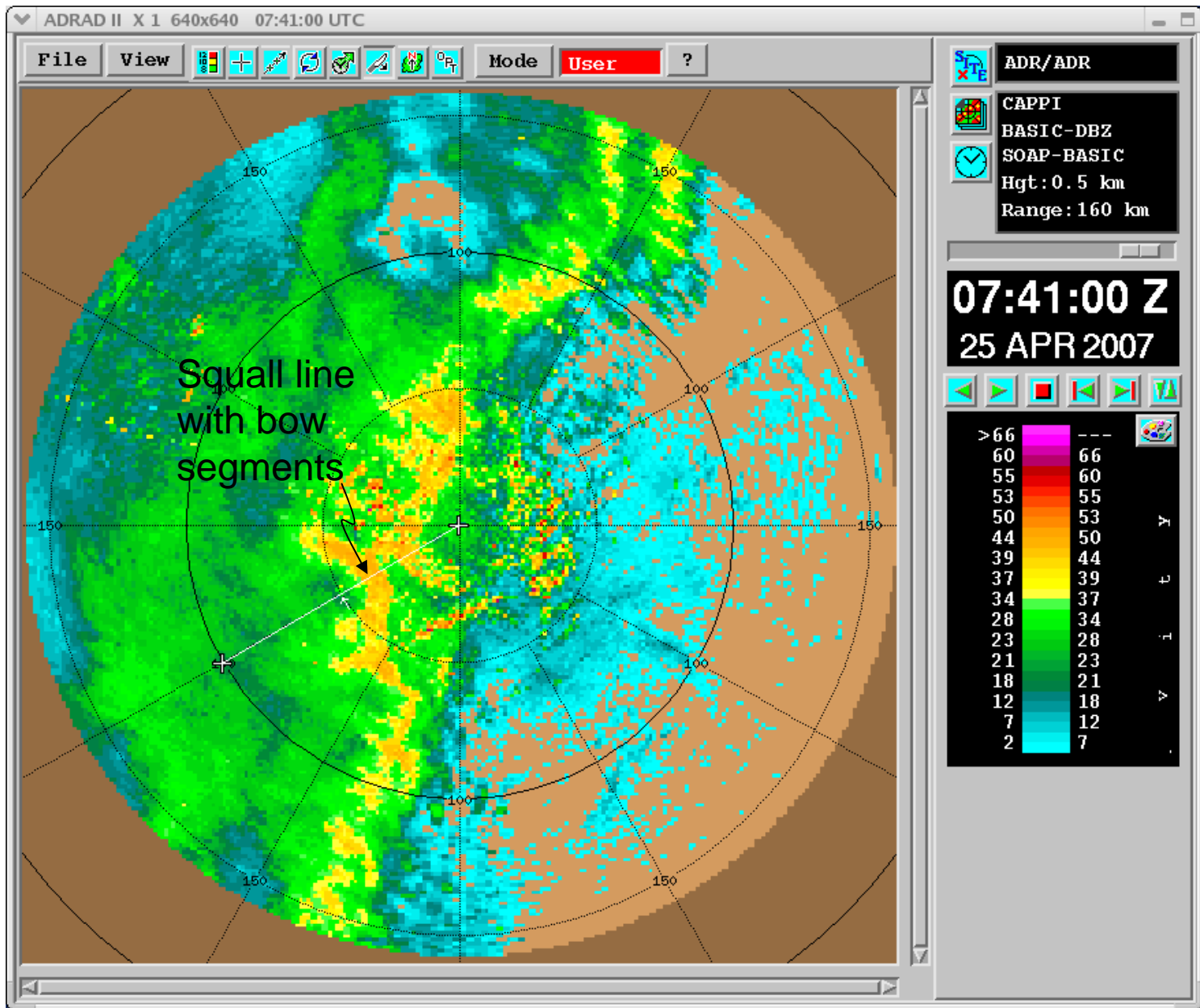
Severe winds (and possible tornado) over Brazos (Burlleson) and other nearby Counties between 0715 and 0820 UTC



TAMU ADRAD was running for SOAP and nicely captured intense winds near CLL...

dBZ

0.5 km CAPPI

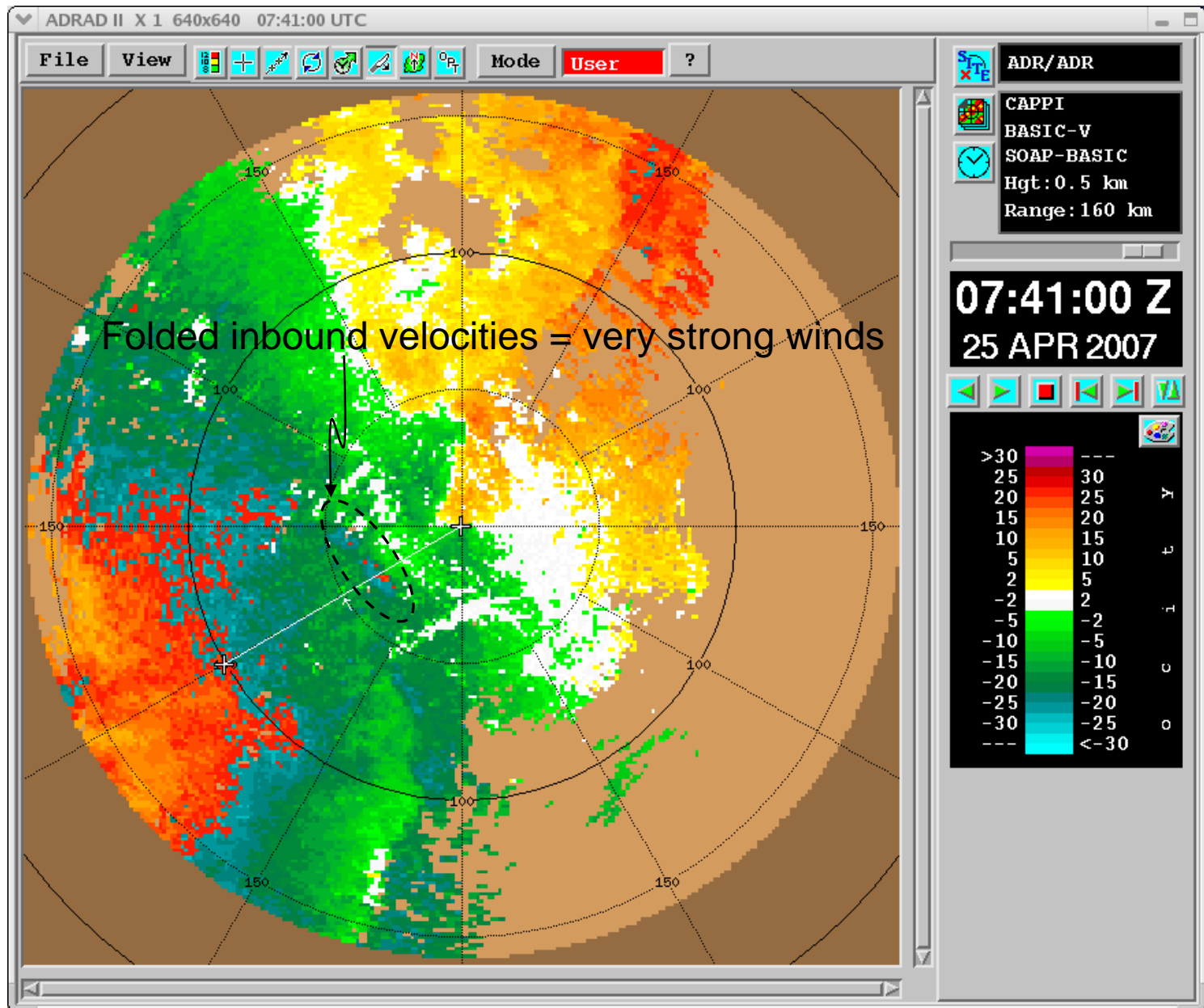


25 April 2007: Severe Wind Event over CLL

TAMU ADRAD

Vr (m/s)

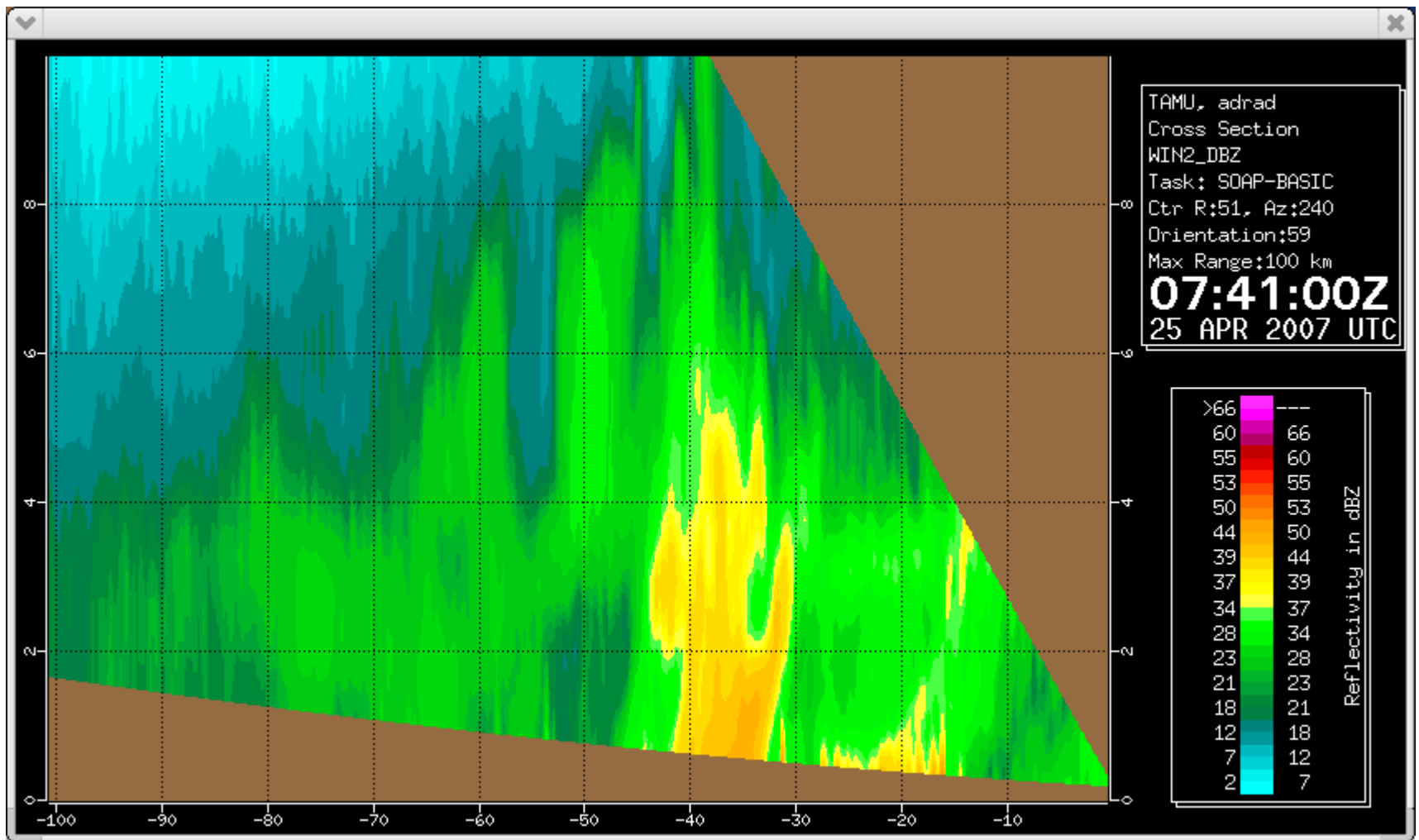
0.5 km CAPPI



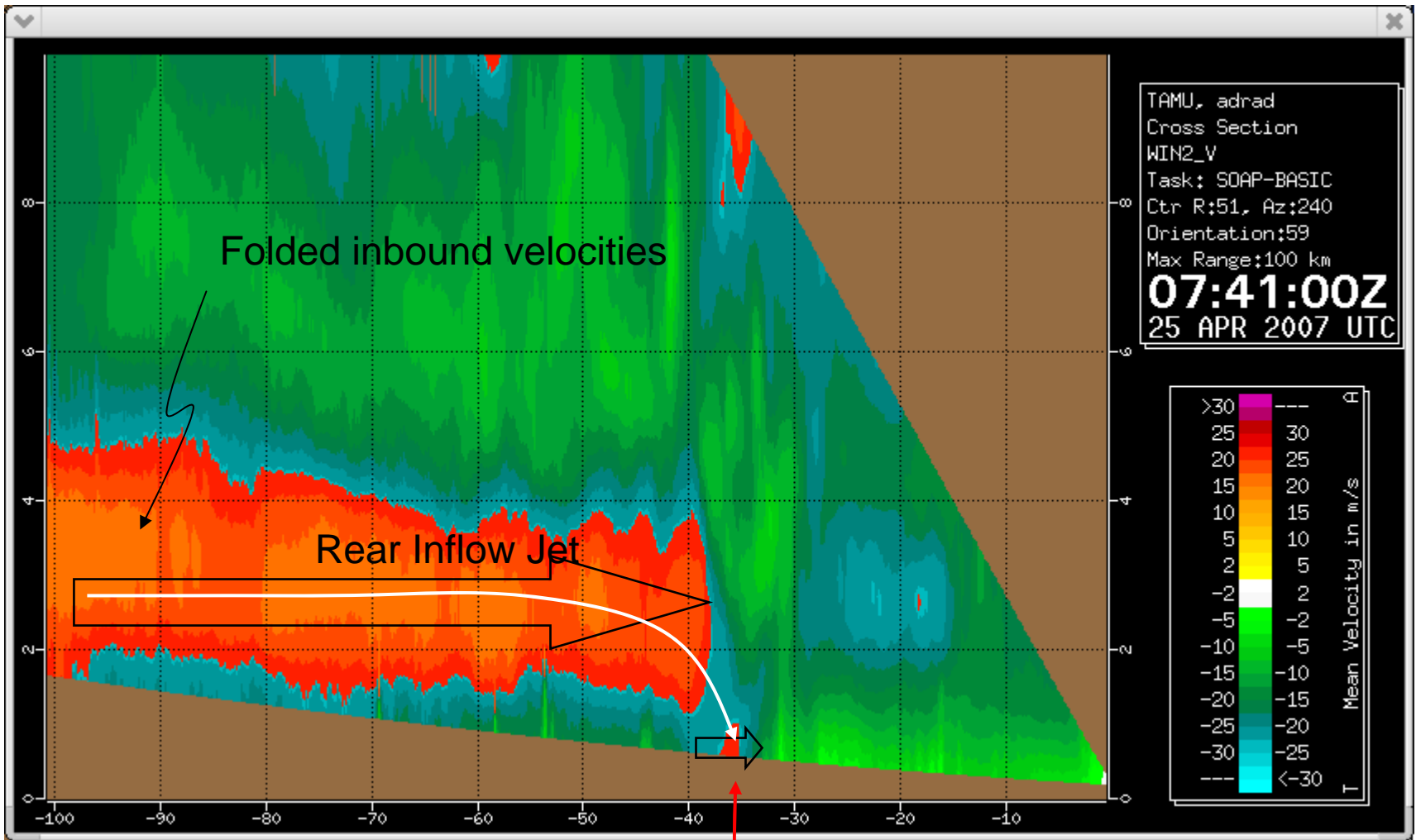
25 April 2007: Severe Wind Event over CLL

TAMU ADRAD

Vertical Cross Section of dBZ along 240 degrees from ADRAD



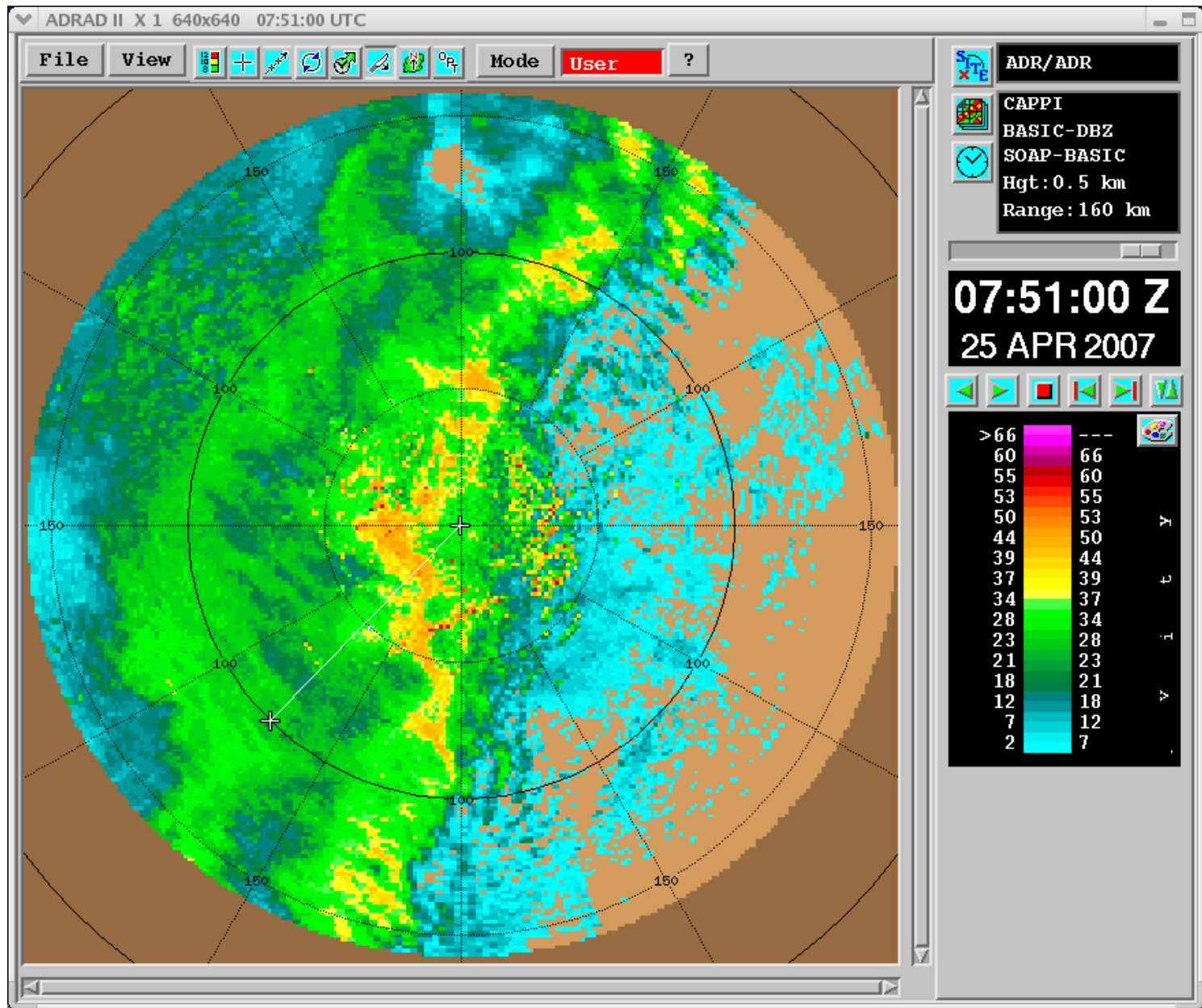
Vertical Cross Section of Vr (m/s) along 240 degrees from ADRAD



Downdraft -> downburst = severe winds

dBZ

0.5 km CAPPI



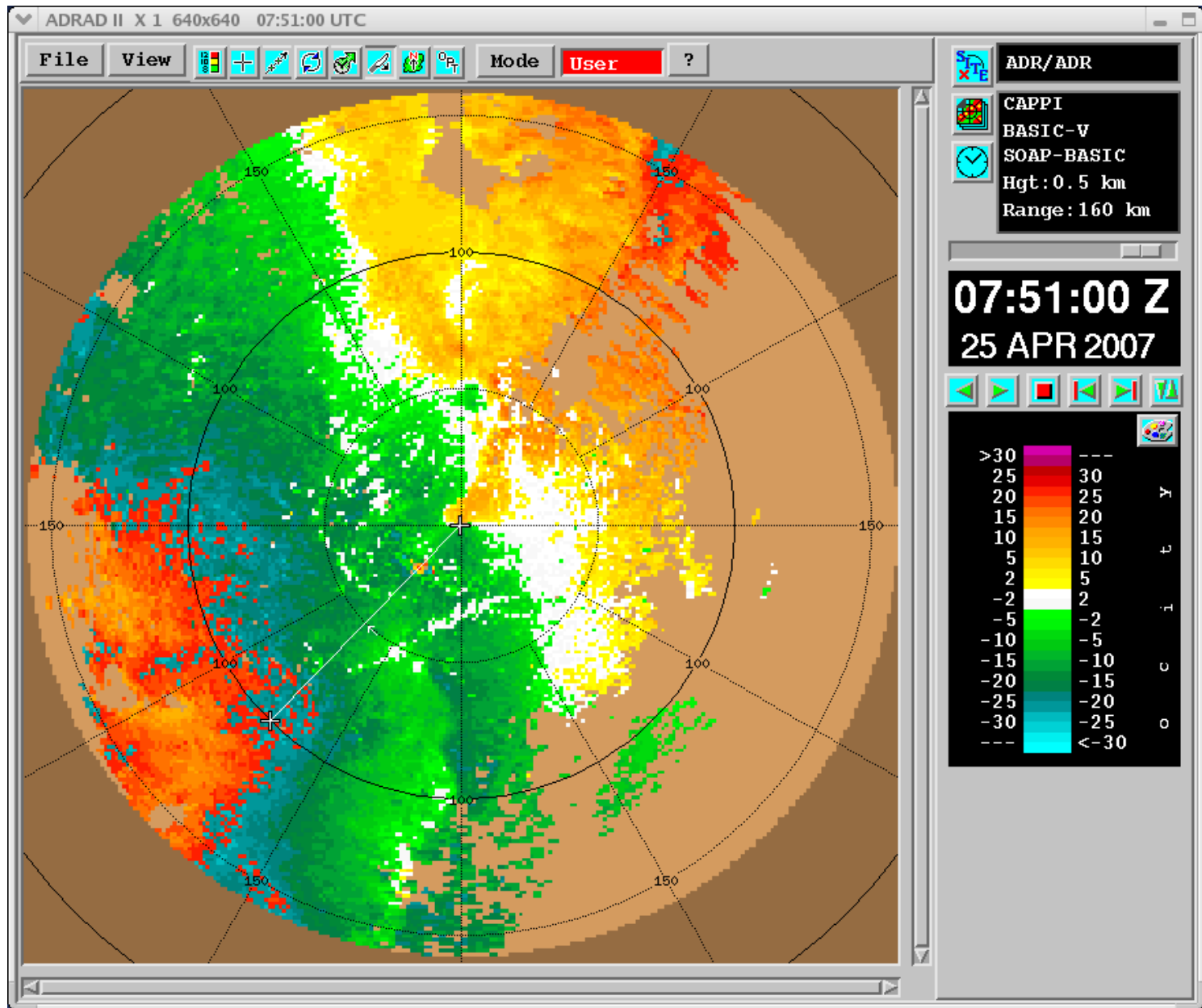
2:51 AM

25 April 2007: Severe Wind Event over CLL

TAMU ADRAD

Vr (m/s)

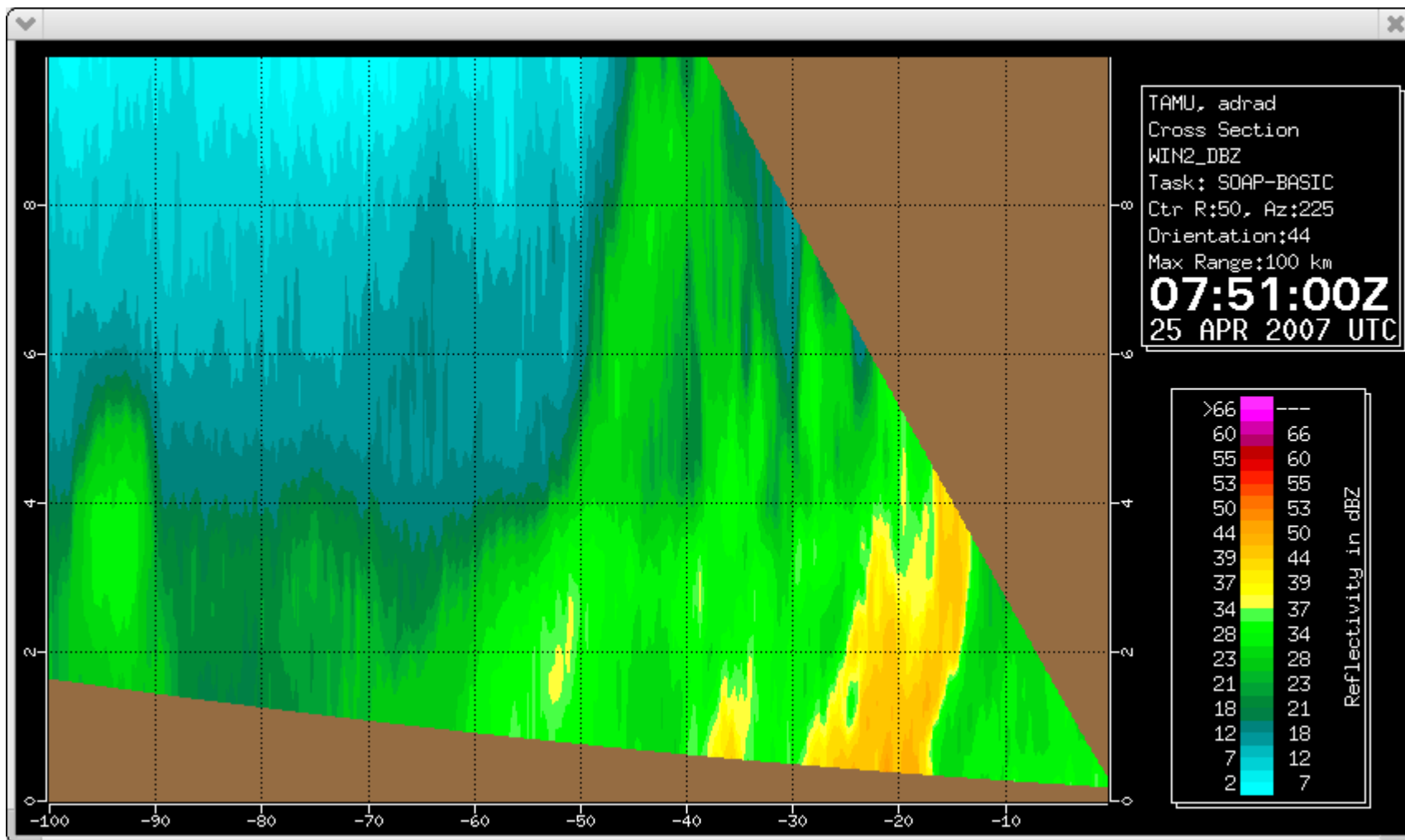
0.5 km CAPPI



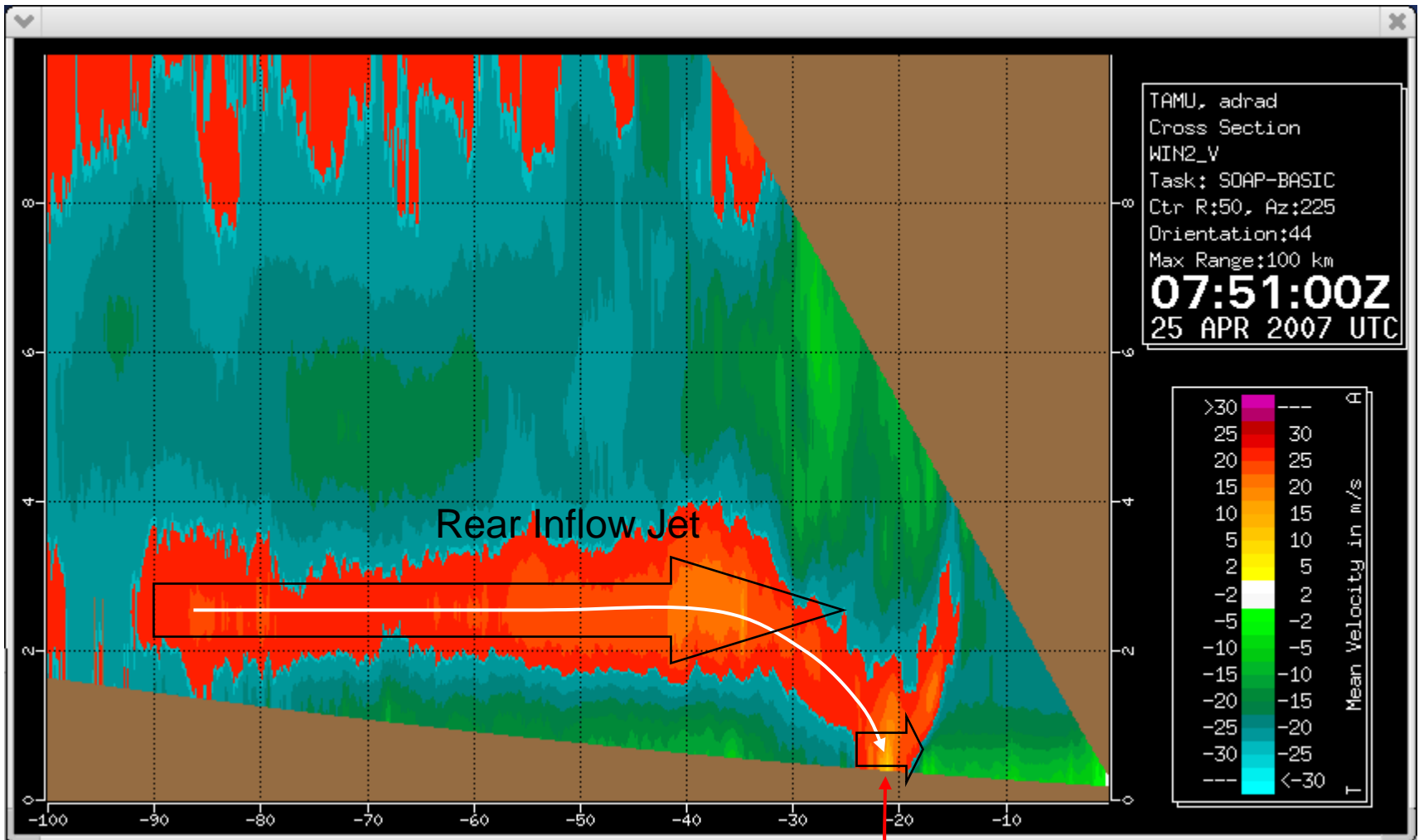
25 April 2007: Severe Wind Event over CLL

TAMU ADRAD

Vertical Cross Section of dBZ along 225 degrees from ADRAD



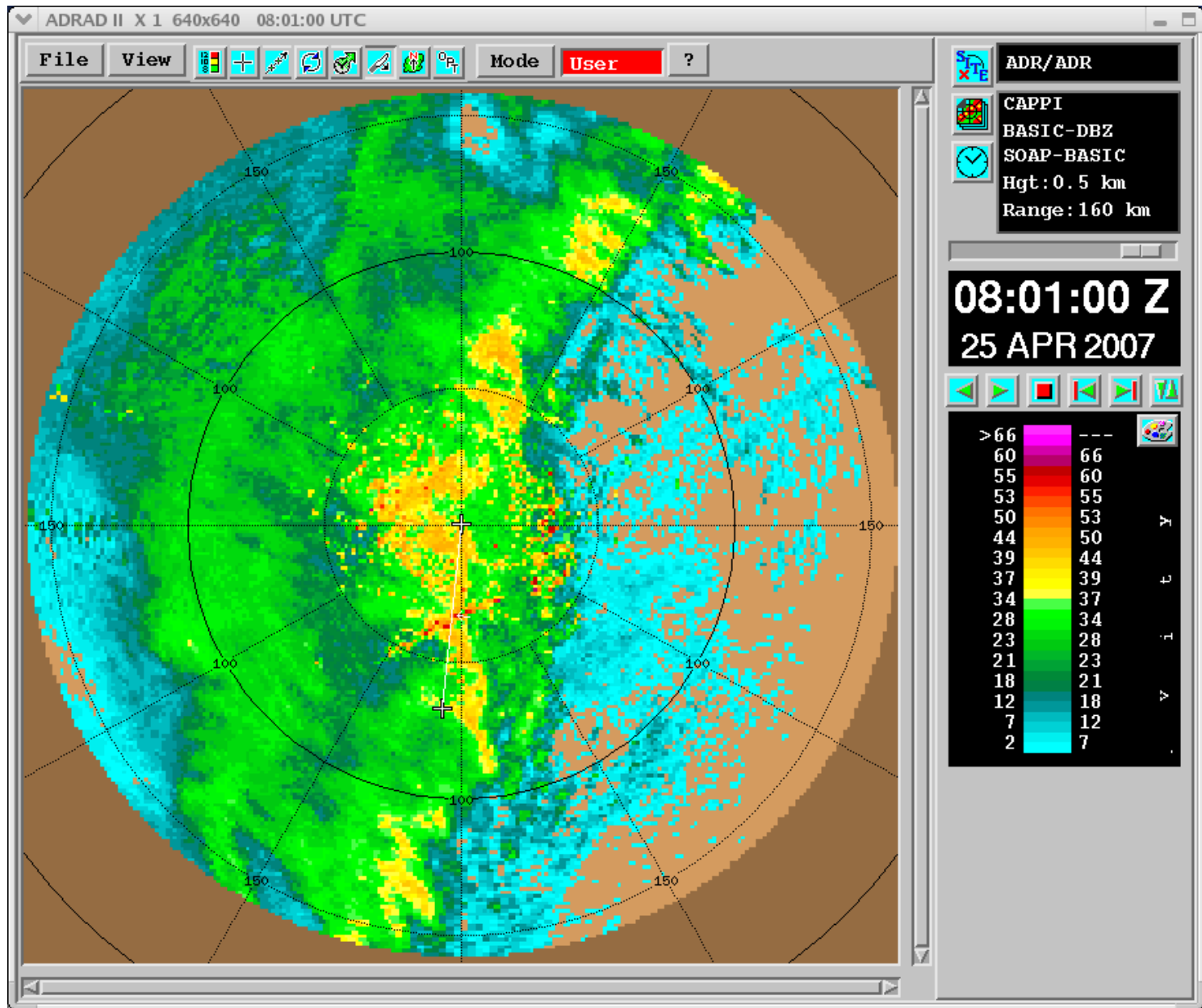
Vertical Cross Section of Vr (m/s) along 225 degrees from ADRAD



Downdraft with folded intense inbound velocities ($\sim 40-50$ m/s) \rightarrow downburst = severe winds

dBZ

0.5 km CAPPI

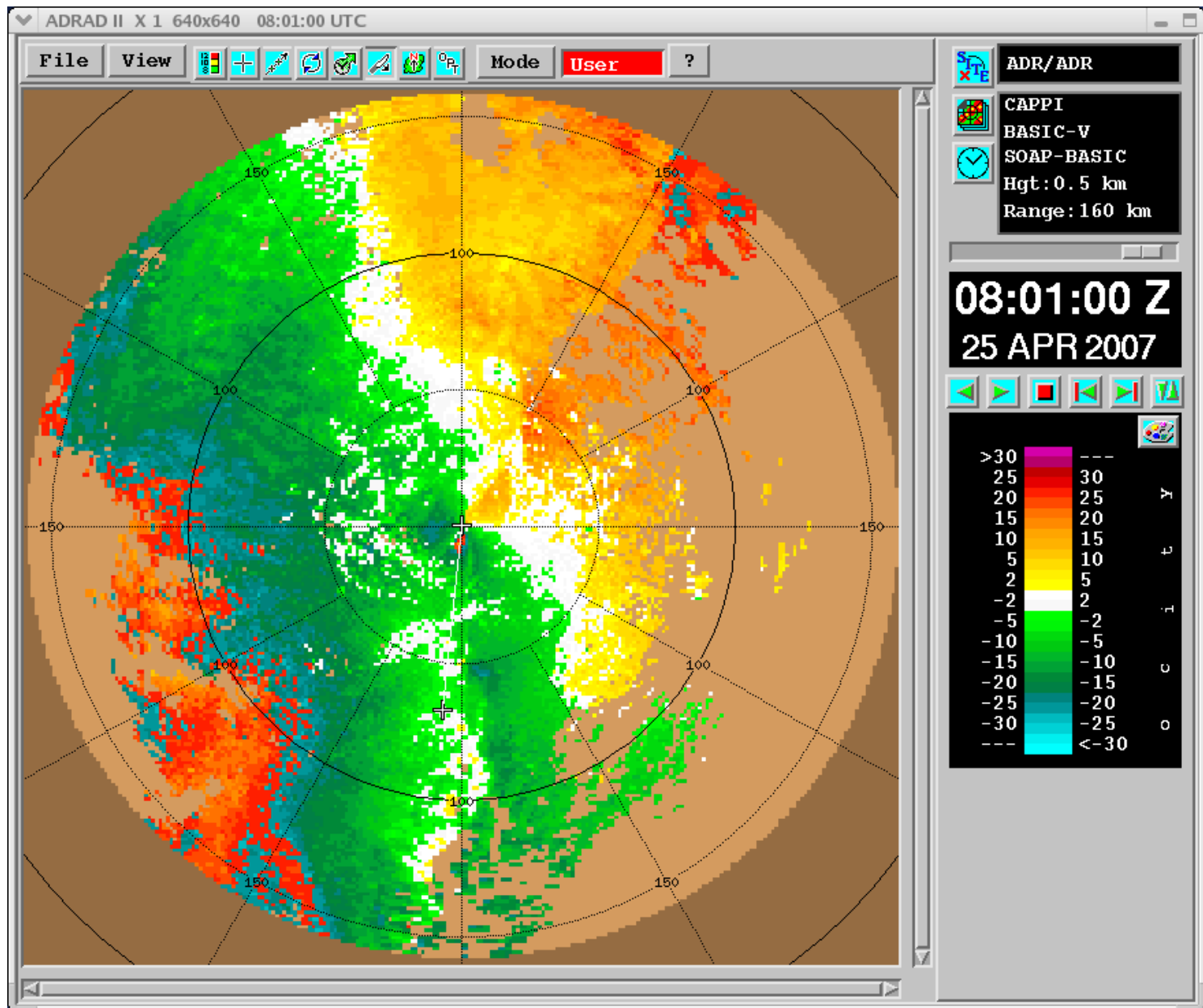


25 April 2007: Severe Wind Event over CLL

TAMU ADRAD

Vr (m/s)

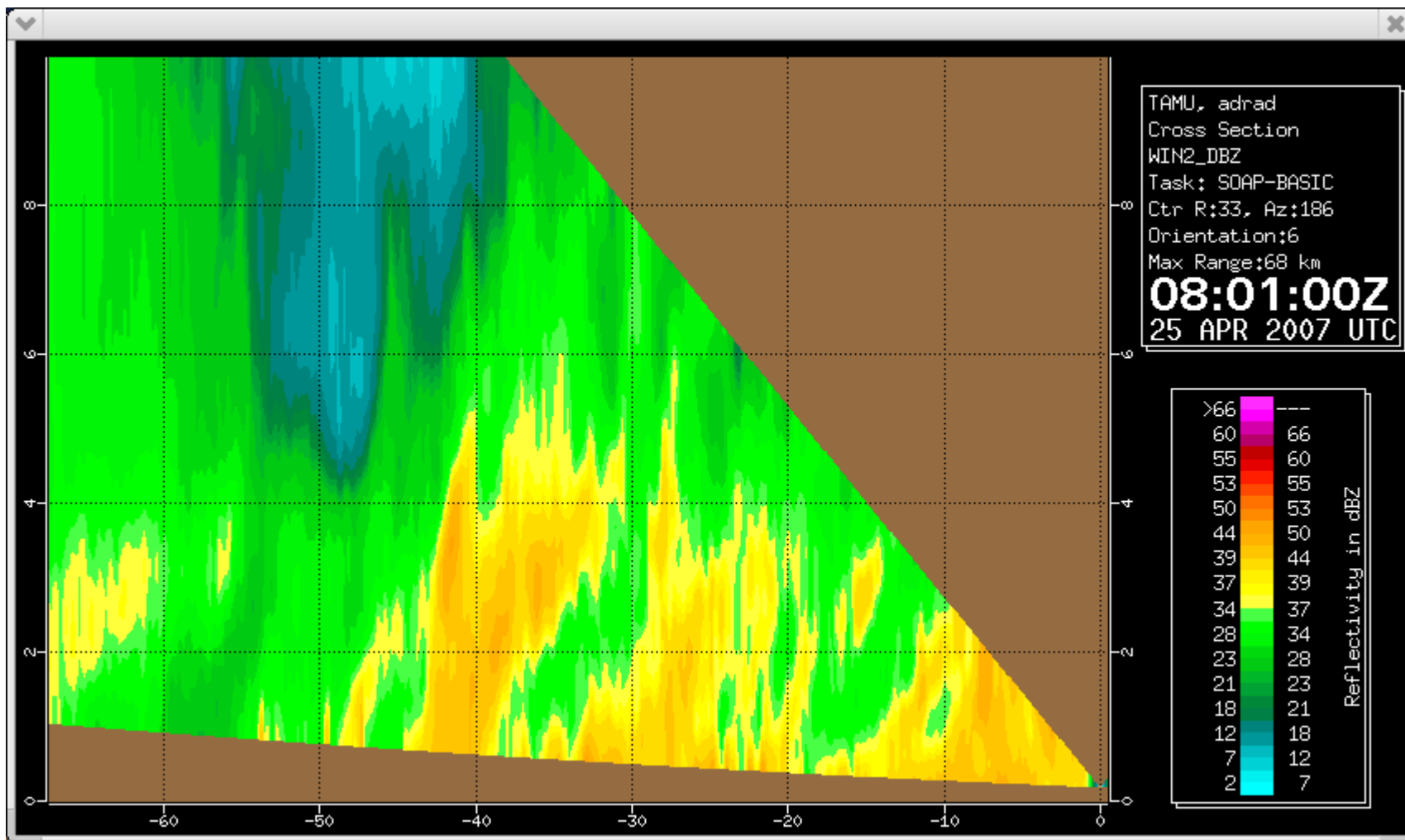
0.5 km CAPPI



25 April 2007: Severe Wind Event over CLL

TAMU ADRAD

Vertical Cross Section of dBZ along 186 degrees from ADRAD



Vertical Cross Section of Vr (m/s) along 186 degrees from ADRAD

