Highlights from C-band radar data collection on the NOAA Ship Ronald H. Brown

Sandra Yuter\textsuperscript{1}, Matt Miller\textsuperscript{1},
Jake Crouch\textsuperscript{1}, David Stark\textsuperscript{1},
Chris Fairall\textsuperscript{2}, Dan Wolfe\textsuperscript{2}, Sergio Pezoa\textsuperscript{2}

\textsuperscript{1}North Carolina State University
\textsuperscript{2}NOAA ESRL
Radar scan strategy for VOCALS repeats every 3 min

Prevailing wind from 125°
RHIs at 35°, 125°, 215°, and 305° azimuth
23 October 2008, open cells with drizzle

23-oct-2008, 12:01:00  Zebra projection: goesirbig ir plot. RhbC_2d DZ filled contour.
23-oct-2008, 12:09:00  Skew-t plot for sounding/brown (23-Oct-2008, 11:00:03).
C-band radar data from 23 October
1200 UTC 23 Oct 08
drizzle cells on open cell pattern

Max 27 dBZ
2 km
Unexpectedly strong convection

26 Oct 2008, 12 UTC


26-Oct-2008, 11:00:03  Skew-t plot for sounding/brown

Alt: 0.00 km
Unexpectedly strong convection

26-oct-2008, 10:03:00  Zebra projection: RhbC_2d DZ filled contour.

Alt: 0.00 km MSL
1200 UTC 26 Oct 08
Line of strong cells capped by inversion

Max 42 dBZ

2 km
Perusal images including cloud photos, upper air soundings, and C-band radar data for each day

precip.meas.ncsu.edu/vocals/index.php

Cloud Image Viewer for Wednesday Oct. 29th
North Carolina State University
Marine Earth and Atmospheric Sciences

Cloud photo page for 29 Oct 2008

Mouse over 18 UTC
Cloud photo page for 29 Oct 2008

Mouse over 20 UTC