

NEXRAD Level II Data Availability @ NCDC

- ✓ NCDC objective to make NEXRAD level II (base) readily available to the user community in real/near real time as well as providing quick turn around for retrospective data (One Stop Shop for NEXRAD)
- ✓ NCDC is collaborating with NWS, NSSL, the University of Oklahoma & UNIDATA on the Collaborative Radar Allocation Field Test (CRAFT)
- ✓ Under CRAFT 38 radar sites transmit level II data electronically in real time to NCDC (operational method 8mm tape)
- ✓ CRAFT success led to a decision by the NWS to transmit all level II data in real time to NCEP & NCDC (Implementation plan under construction)
- ✓ NCDC data completeness for radar sites transmitting data electronically has increased from ~ 65% to ~ 95%.
- ✓ All Level II data residing on 8mm tape are currently being migrated to NCDC robotic mass storage system (HDSS)
- ✓ 76,599 8mm tapes to migrate (50,000 tapes migrated)
- ✓ Vast improvements disseminating level II data from the HDSS verses 8mm tape

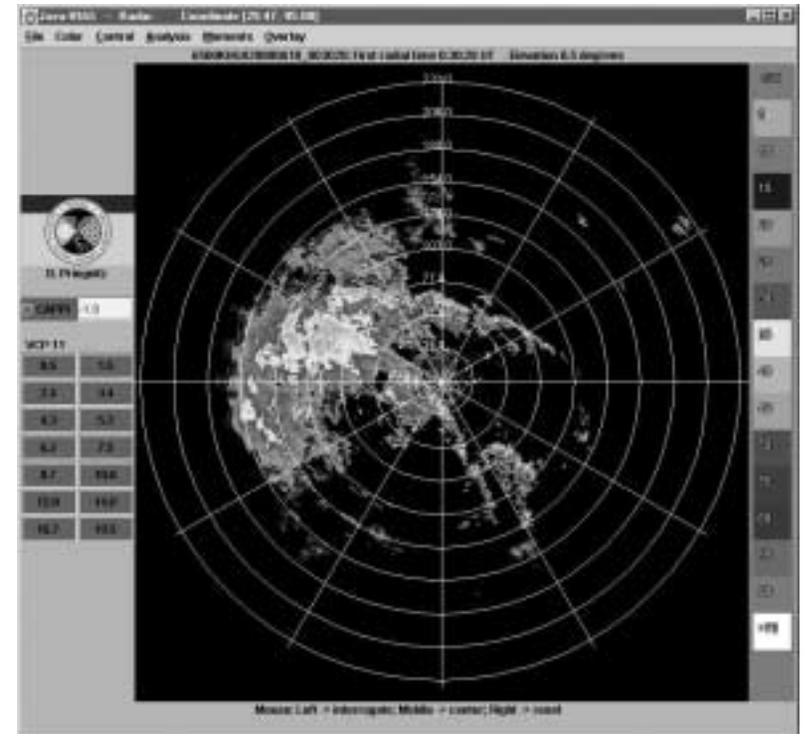


NEXRAD Level II Data Availability @ NCDC

- ✓ **Stats** - retrieved 19.4GB level II data in 125 minutes from HDSS; If copied from tape retrieval time = 232 hours.
- ✓ **NEW!**- Interactive Radar Analysis System (IRAS) software available for download
- ✓ This application allows users to read and display realtime and archived Level II radar data on platforms supporting Java (version 1.3 and higher).
- ✓ URL <http://lwf.ncdc.noaa.gov/oa/radar/iras.html>

- ✓ **Coming Soon:**
 - * NCDC web based direct access to NCDC level II data historical archive (~ two months)
 - * IRAS web interface for browsing data prior to ordering

- ✓ **Investigative Studies:**
 - * Collaborating with NSSL, the University of Oklahoma and the University of Alabama to use Data Mining techniques on level II data to create spatial datasets based on unique weather events or phenomena



NEXRAD Level III Data Availability @ NCDC

- ✓ NCDC ingests NEXRAD level III products via hard media (WORM, JAZZ) and electronically on dedicated line
- ✓ All required products are received on hard media approximately 2 months after the fact
- ✓ Only ~ 50 % of required products received via electronic ingest in near real time
- ✓ NCDC is ready to ingest all level III products via electronic ingest in near real time
- ✓ **NWS milestone** – to deliver all required level III products electronically by the end of 2002
- ✓ Level III data residing on hard media currently being migrated to NCDC HDSS
- ✓ Vast improvements disseminating level III data from HDSS verses hard media for customers requesting digital data (via FTP)
- ✓ Hard copy image requests are produced on the Principal User Processor (PUP) display system
- ✓ PUP will be replaced by the Open PUP (OPUP).
- ✓ NCDC collaborating with NWS to include in the revision to OPUP software, the capability to export graphic images to digital formats(TIFF, GIF, JPEG)
- ✓ **GOAL** – Replace hard copy orders with digital format

