Overview of 4dwx tools

2005 Forecasters Conference
4DWX System Architecture

NOAAPort

Internet

Range Data

Model Applications Cluster

Data Applications Cluster

Auto-Nowcast System

Web Displays

JVIZ

CQT

MAT, WWT

CIDD/MRRD
4DWX System Architecture

Ingest:
- Data ingest
- Web Server
- System Monitor
- Web-based tools

Server (FIDO):
- Mysql
- RAID storage

Display (VMET):
- Web Browser
- JVIZ
- Desktop Tools

Metbox
Nport
Mrrd
spare

NOAAPort
Internet
Range Data

Web Displays
JVIZ
CQT
MAT, WWT
CIDD/MRRD
DAC Architecture

- Web Tools
- Desktop Tools
- Ingest
- FIDO/Server
- Display/VMET
- RAID Storage
  (database, web content)

- NOAAPort
- Internet
- Range Data
Available tools on the DAC

• Browser for 4dwx web pages
  ➢ Access to Internet products (RAL weather page)
  ➢ Access to 4dwx products (Current conditions, RT-FDDA)
  ➢ Access to webstart apps (WWT, JVIZ, MAT, CQT)

• Display (vmet) node
  ➢ Desktop icons for JVIZ, MAT, CQT

• Metbox node (NAWIPS products)

• MRRD node (Interactive display)
Deployment Strategies

• Release Cycle
  – Major releases approximately every 6 months
  – Feature requests scheduled for a release

• Bug fixes
  – Minor releases as needed

• Your feedback is important!