

AWIPS1 Overhaul Overdue



fielded in 1996

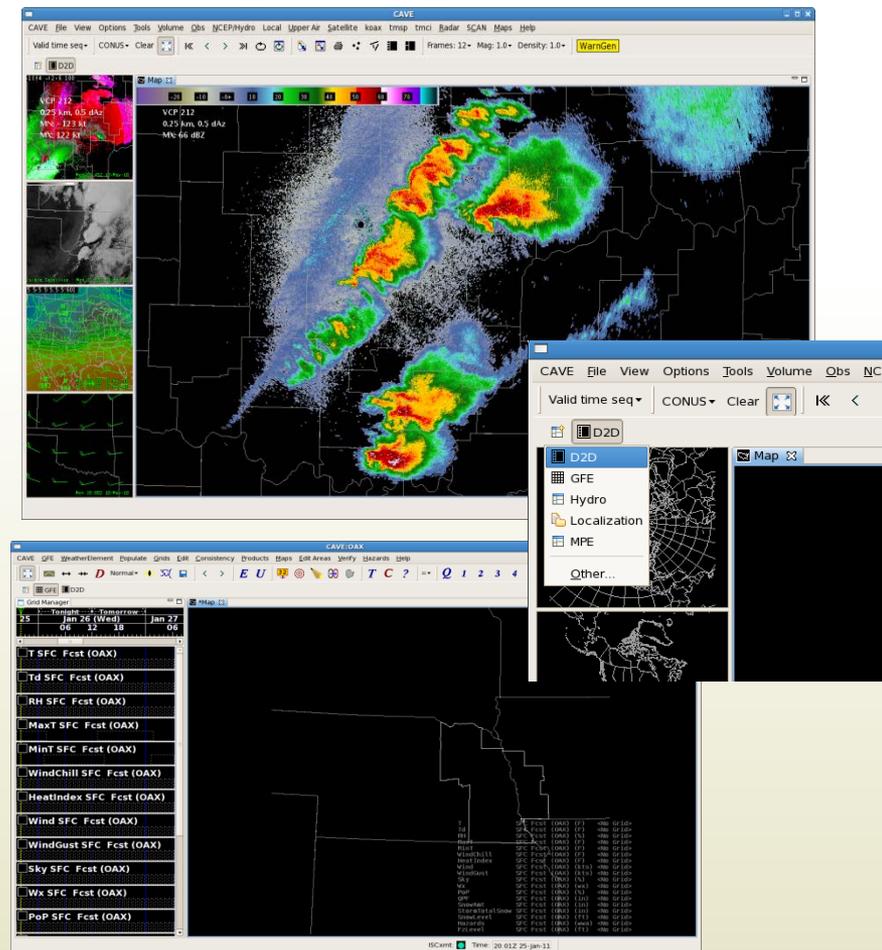


2011-2012?

AWIPS-2 Feels Similar But is Fundamentally Different

- “Black-box” conversion
- D-2D/others live in CAVE
 - multiple “perspectives”
 - GIS-enabled
- Java based
 - Java & Python
- Software built using plug-in concept
 - Application Development Environment (ADE)

Common Application Visualization Environment



Now: Operational Test & Evaluation (OT&E)



- System OT&E Latest Phase
 - OAX AWIPS1 (live) and AWIPS2 (test) side by side testing
 - Ending soon
- Field OT&E
 - Live use at WFO beta sites
 - OAX: Nov 2011?...
 - Others (BOU?, HGX?,...)
- Operational Release
 - Perhaps by similar regime groups
 - Feb 2011?, every 3 months?...

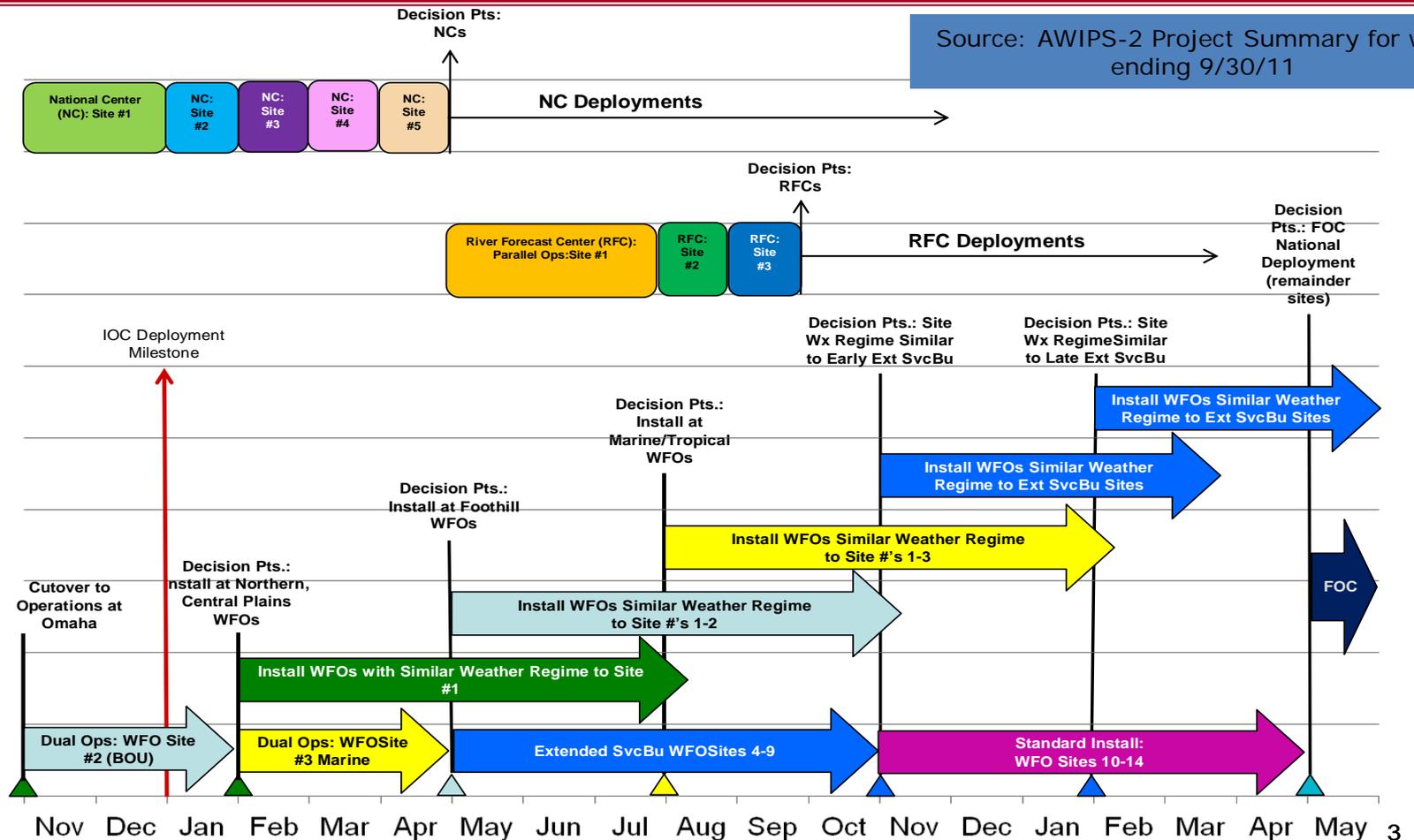
“Alternative Strategy Draft”



Alternative OTE/Deployment Strategy Draft Schedule

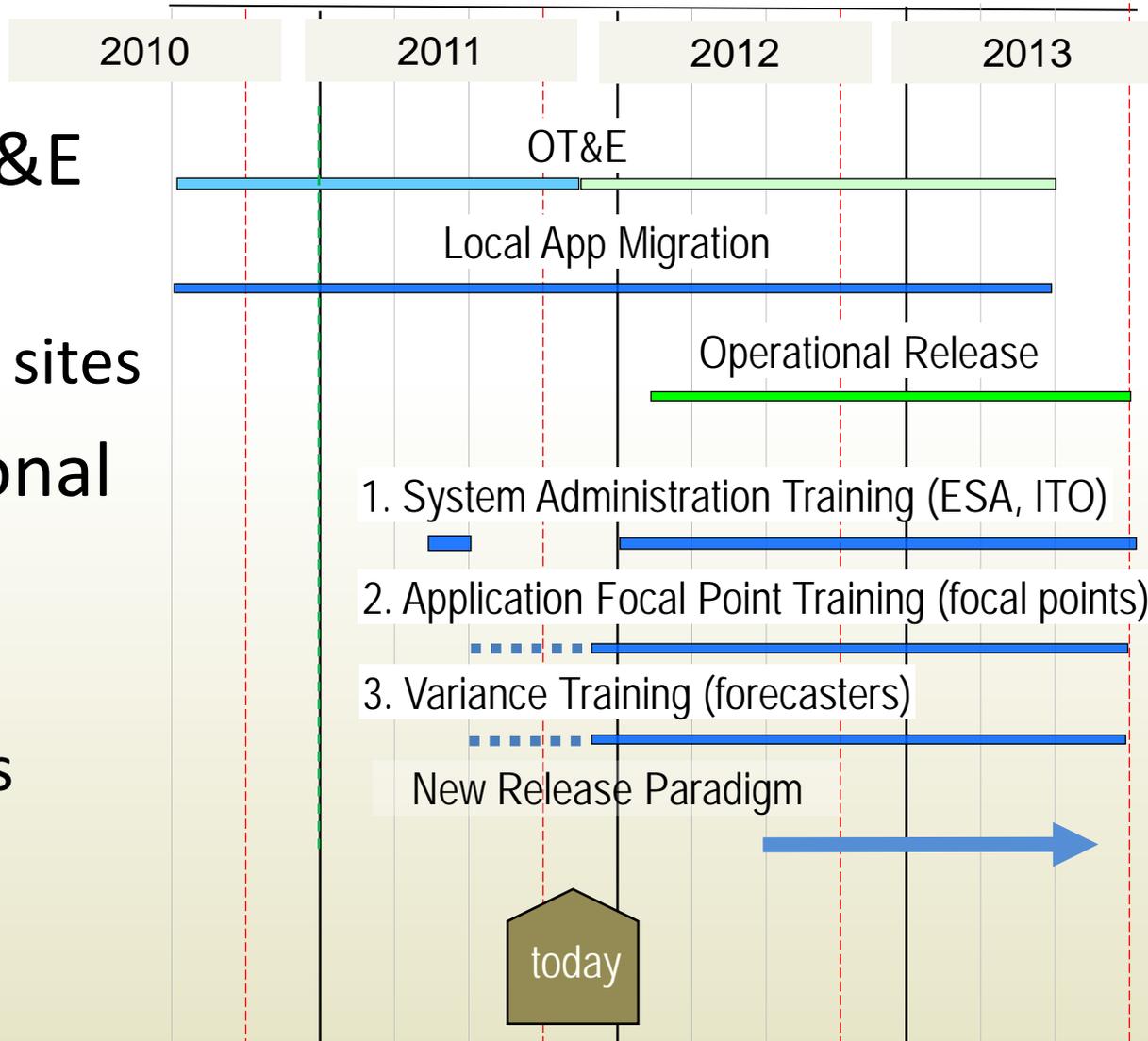


Source: AWIPS-2 Project Summary for week ending 9/30/11



Training Division Courses Delivered Prior to Installation

- Field OT&E Training
 - FOT&E sites
- Operational Release Version
 - all sites



**Dates
subject
to
change**

System Administration Course

- Content
 - AWIPS-2 System Administration
- Audience:
 - ESA/ITO (2 per office)
- Format
 - 2 week residence at NWSTC
 - Raytheon: delivered pre-FOT&E version
 - NWSTC deliver Operational Release version
- Useful info (see AWIPS One Stop Shop):
 - AWIPS-2 System Manager's Manual
 - AWIPS-2 CAVE/D2D User Manual
 - http://onestop.noaa3a.awips.noaa.gov/awips_2_Document2.html



Application Focal Point Course

- Content

- Configuring and troubleshooting AWIPS and its applications

- 20+ areas: D2D, GFE, WarnGen, FFMP, etc

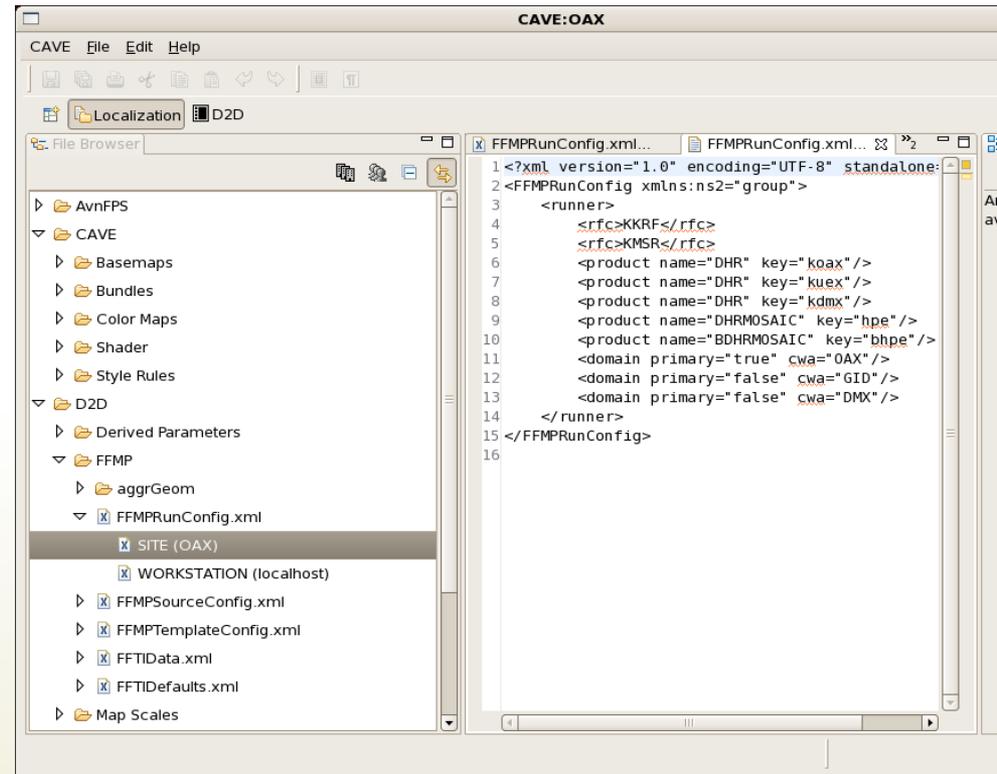
- Audience:

- Application Focal Points

- Format

- Distance learning overviews and applied learning

- ~30 min modules (some multiple, e.g. GFE) + exercises



Variance Training Course

- Content
 - AWIPS-2 interface changes
- Audience:
 - AWIPS users
- Format
 - Distance learning
 - Application & on the job reference
 - ~2-3hrs

AWIPS II Variance Training - Mozilla Firefox

file:///C:/Documents and Settings/MMagsig.WDTB/Desktop/t2/OB11-4-04-29-2011/OB: |

Share Browser WebEx

AWIPS II Variance Training

National Weather Service Training Division
AWIPS Migration Variance Overview

Course Links
[Home Page](#)

AWIPS2 Overview

CAVE
1. Introduction
2. Preferences
3. Mouse settings
4. Open perspective tool
5. Perspective bar
6. Toolbars
7. Map Editors
8. Data Browsers
9. Scale independent data
10. Map Panning Limits
11. Nicolaive

GFE

WarnGen

AlertViz

Hydro

MPE

AvnFPS

Decision Assistance

Navigation Style

Lesson

Reference

Additional References

[Job Sheets](#)

[Glossary](#)

Last Update: 04/29/11
Version: OB11.4

CAVE - Open perspective tool

Previous Next
Mouse settings Perspective bar

By the end of this lesson, you will be able to:

- identify the various perspectives used in CAVE
- launch a new perspective in CAVE

CAVE in AWIPS-2 combines many of the separate visualization applications of AWIPS-1 into a single display application. This is accomplished through the use of **perspectives**.

In AWIPS-1, most people used desktop icons or a desktop menu launch various applications like D2D or GFE.

In CAVE, there is an Open Perspectives tool, circled in the image below. After clicking the icon, you can choose the type of perspective you want to add to your current display (such as a D2D, GFE, etc).

When the perspective is loaded, an icon (in this case, the D2D icon) is displayed on the **perspective bar**, located to the right of the open perspective tool. There is a job sheet on the next page to help you practice using perspectives and the perspective bar.

Start D2D

Start GFE

Start IFPS Service Backup GUI

HWRBrowser

Local Storm Report GUI

Hydro Apps

Start AvnFPS

Background WFO Apps

Data Archiver

SAFESEAS Apps

Fog Monitor Apps

SHOW Apps

Test Mode Control Program

Start chat client

CAVE File View Options

Valid time seq N. Hemis

D2D

D2D

GFE

Hydro

Localization

MPE

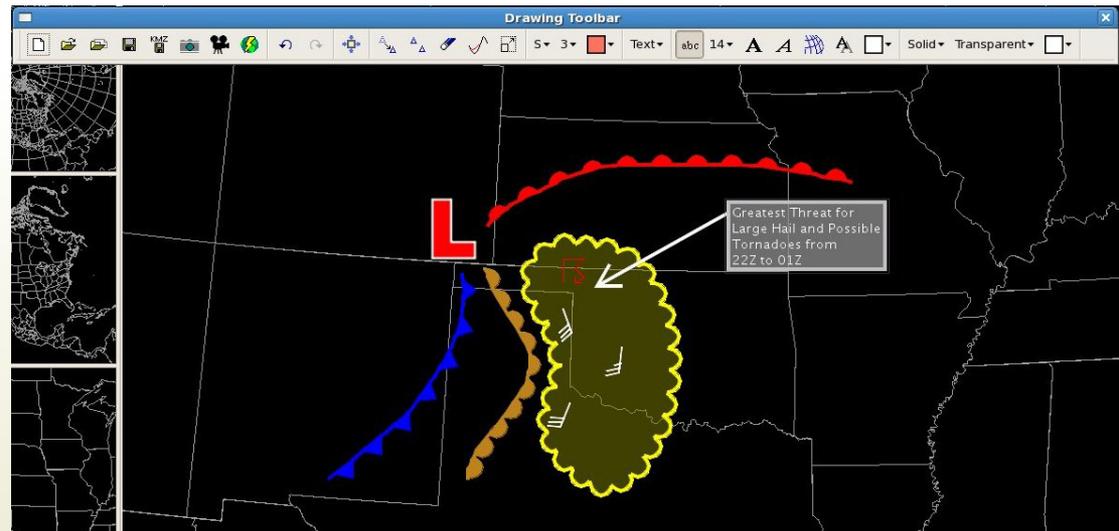
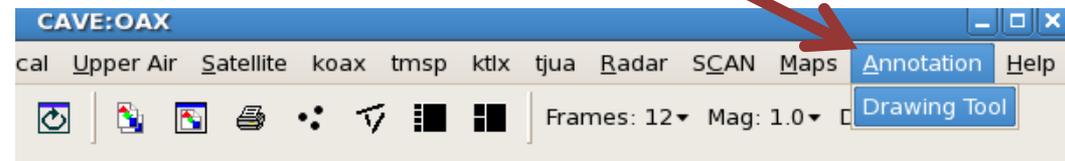
Other...

Mouse settings Perspective bar
Previous Next

Bonus: CAVE Annotation Tool Training (FX Connect; FXC)

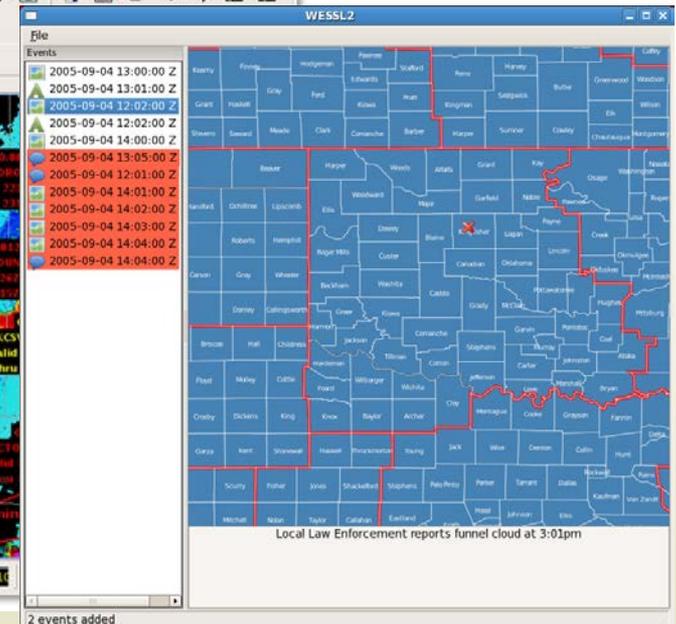
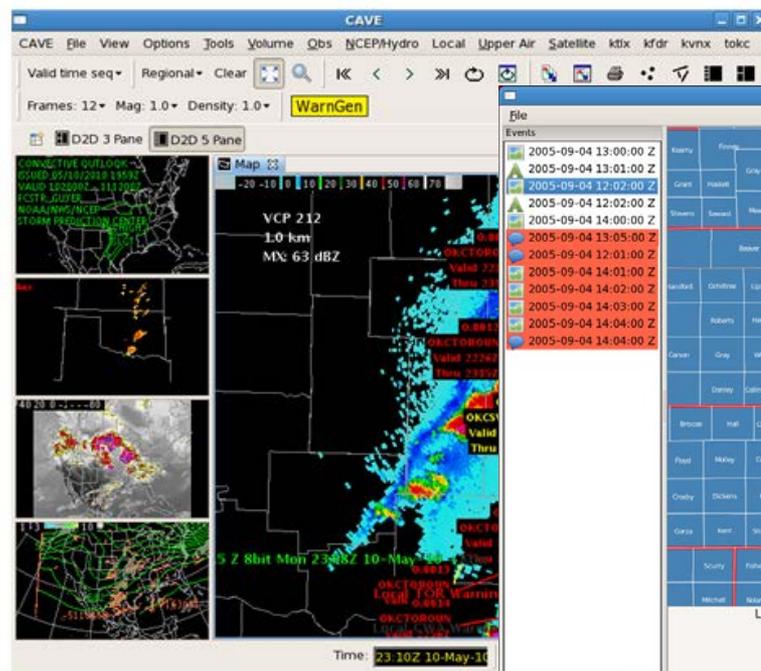
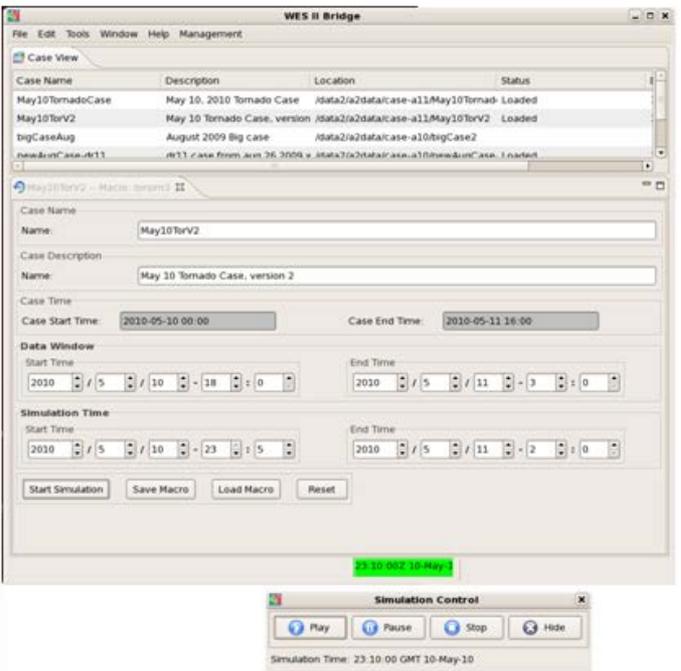
- Content
 - How to create AWIPS annotated graphics
- Audience:
 - AWIPS web graphics creators
- Format
 - Distance learning
 - Overview/Exercises
 - ~0.5-2hrs

Optional CAVE Plugin



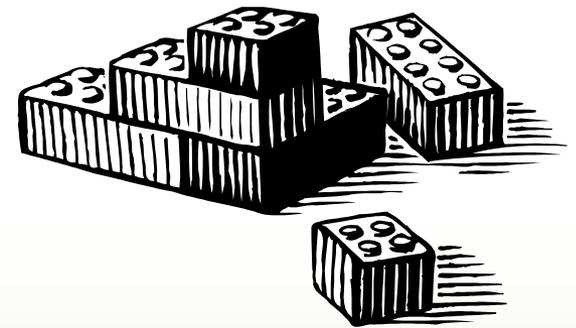
WDTB Support WES-2 Bridge Until Capability is in Baseline

- New AWIPS2/archiving means a new WES
- WDTB WES-2 “Bridge” releases coincident with AWIPS-2
- Tools to use existing AWIPS-I cases



Opportunities for Improvement WES2 Bridge

- AWIPS-2 Architecture
 - supports more robust WES2B
- New GUI
 - Participate in early feedback!
- Configuring AWIPS-2 in WES2B
 - Easier?...time for some automation
- WES-2 Bridge Training
 - Gotta have it
- Improve support
 - Webex remote login



After AWIPS-2 Handoff the Real Fun Begins....



New release paradigm will be more challenging to manage



- Application Releases (AR)
 - Quarterly
 - New enhancements
- Maintenance Releases (MR)
 - Months in between AR
 - Bug fixes
- Emergency Releases (ER)
 - Critical fixes

AWIPS2 Extended Capabilities

- NAWIPS Migration
 - National Centers migrating to AWIPS2 (coming soon)
- Community Hydrologic Prediction System
 - New RFC software
- Thin Client
 - Remote CAVEs on Windows OS
- Collaboration Capabilities
 - WFO-NCEP-External Partners
- Integrated Hazard Information Services
 - New combined GFE, WarnGen, RiverPro



AWIPS2 Extended Capabilities

- WES-2 Baseline
 - Training capabilities in AWIPS baseline
- Data Delivery
 - Data centers (pull vs push)
- 3D Visualization
- Much much more....
 - Floodgates start to open 2012
 - Schedules usually slip, but plan on more frequent change



AWIPS Crossroads

- AWIPS-2 whole new world
- Surviving/thriving topics
 - Initial migration
 - New release paradigm
 - New development opportunities



Surviving Initial Migration



- Prepare staff before install
 - Take training 1+ months prior, monitor early training releases
- Leverage AWIPS2 Data and Application Migration workstation
 - Draft Variance training available now through ADAM
- Awips2dev email list
- Group discussion...share your thoughts

Preparing for AWIPS-2 Extended

- Plan for quarterly AWIPS builds 2012+
- Stronger partnership with Training Division?
 - Planning, feedback
 - What do you think?



New Development Opportunities

- AWIPS-2 Application Development Environment
 - WFOs can compile AWIPS-2
 - Non-baseline machines
 - Unidata to serve AWIPS-2
 - Partnering with others
- Prototype to operations shorter
- Development more widespread
- Nurturing change/participation...your thoughts?



AWIPS Future Bottom Line: Anticipate Change

- AWIPS-2 new world
 - Rapid releases
 - AWIPS-2 Extended big changes
 - Expanding development opportunities





WDTB Facilitation Workshop

Preparing for AWIPS-2 and Beyond

Michael Magsig

Warning Decision Training Branch