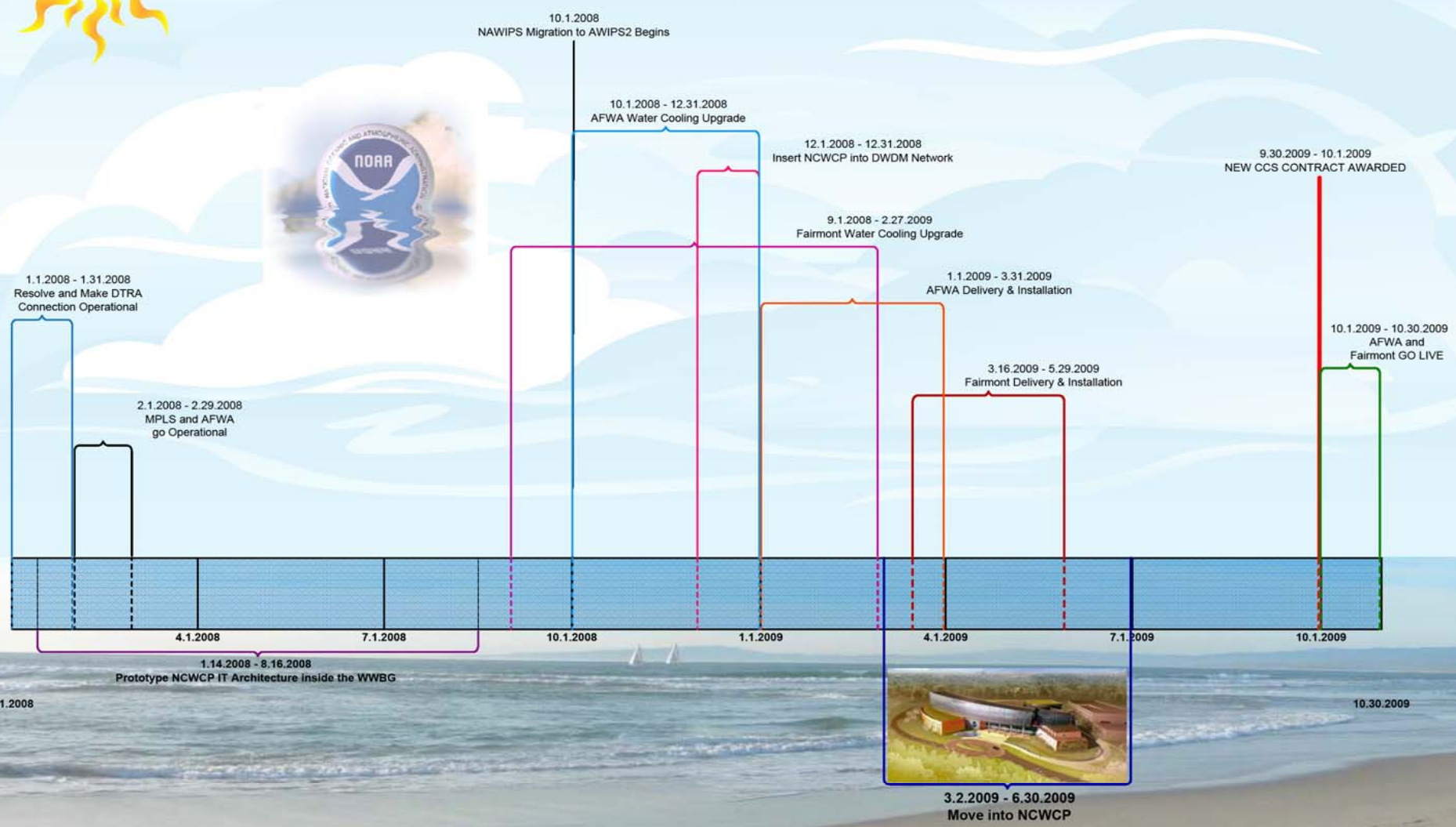# NCO Planning Overview for EMC Gathering

December 11, 2007

Ben Kyger

"Where America's Climate, Weather, and Ocean Prediction Services Begin"

NCEP Central Operations Planning Timeline

10.1.2008
NAWIPS Migration to AWIPS2 Begins

10.1.2008 - 12.31.2008
AFWA Water Cooling Upgrade

12.1.2008 - 12.31.2008
Insert NCWCP into DWDM Network

9.30.2009 - 10.1.2009
NEW CCS CONTRACT AWARDED

9.1.2008 - 2.27.2009
Fairmont Water Cooling Upgrade

1.1.2008 - 1.31.2008
Resolve and Make DTRA
Connection Operational

1.1.2009 - 3.31.2009
AFWA Delivery & Installation

10.1.2009 - 10.30.2009
AFWA and
Fairmont GO LIVE

3.16.2009 - 5.29.2009
Fairmont Delivery & Installation

2.1.2008 - 2.29.2008
MPLS and AFWA
go Operational

4.1.2008   7.1.2008   10.1.2008   1.1.2009   4.1.2009   7.1.2009   10.1.2009

1.14.2008 - 8.16.2008
Prototype NCWCP IT Architecture inside the WWBG

1.1.2008

10.30.2009

3.2.2009 - 6.30.2009
Move into NCWCP

Appendices

Improved Testing Procedures

- Control change

- Document testing cases/periods for all systems

- Test all downstream model systems

- Community review must be more effective and candidate products and results must be more accessible

- Migration from parallel to operations needs to be automated and reversible

- The TIN should be more detailed and available when pre-implementation testing begins

Formalize Community Review

- Customer Notification
  - Notify a broad group of customers of changes
    - NCEP, NWS Regions, WFO SOO, NOAA/NWS HQ, AWIPS Dev, Academia, R&D, DOD, private sector
  - Take the initiative to solicit formal, meaningful feedback
  - Add the CONDUIT mailing list to the existing external mailing list
- Fully support pre-implementation testing
  - Ensure representative production data is available for user review
  - Implement parallel NOAAPORT capability (capacity challenge) consistent with OSIP project 07-021
  - Send test data to the research community <u>via</u>
    - CONDUIT for universities
    - Other (Web-based or otherwise) mechanisms for operational partners (DoD), NASA, overseas users
  - Post test data and applicable statistical summaries on server for public access to all users
- Post test results to the full community
  - To encourage broader review
  - Linkage to EA efforts – bulletin board/WIKI

User ID Management

- Nwprod – Non climate production
- Climprod – Climate production
- Quasi-prod – Transition to production
- Class1onProd – Short, non-preempted jobs
- DevonProd – High priority dev jobs
- Development

NCWCP Wide Area Network