

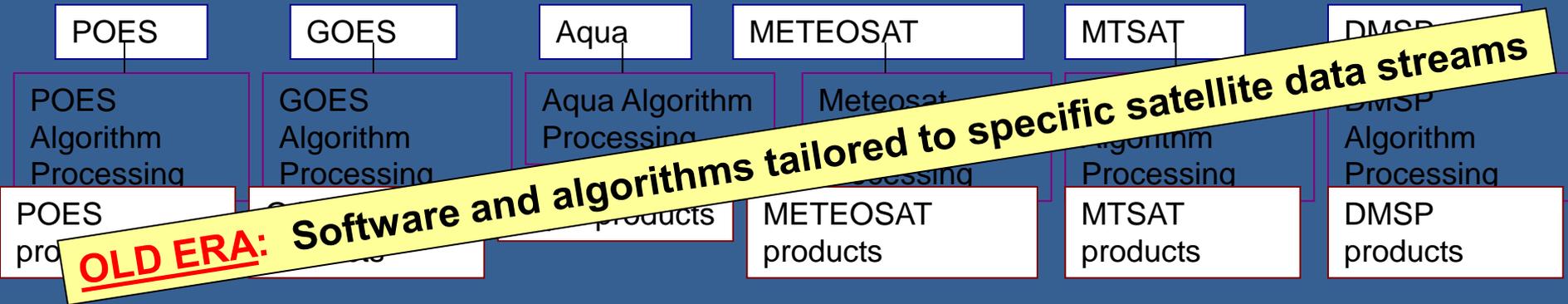
STAR JPSS Annual Science Team Meeting: Welcome & Introduction

May 12-16, 2014

**Alfred M. Powell Jr – Director
Center for Satellite Applications
and Research (STAR)**



WE ARE: CHANGING THE WAY THINGS WORK



Software and algorithms support a variety of satellite and in-situ data streams



Center for Satellite Applications and Research (STAR)

Goals

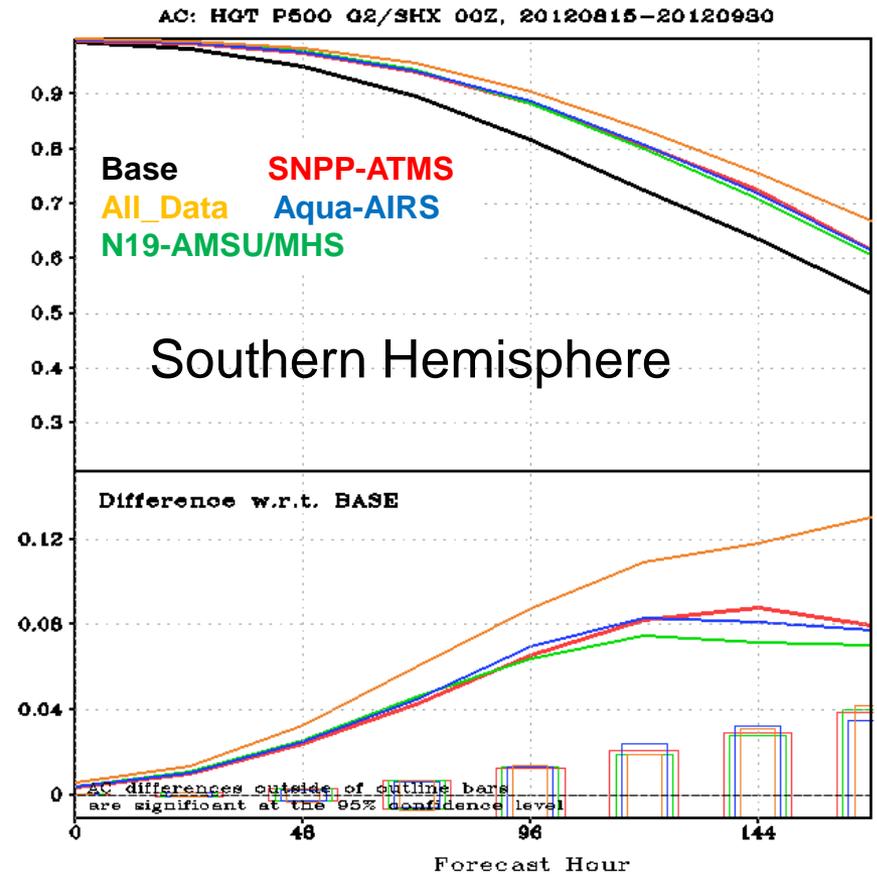
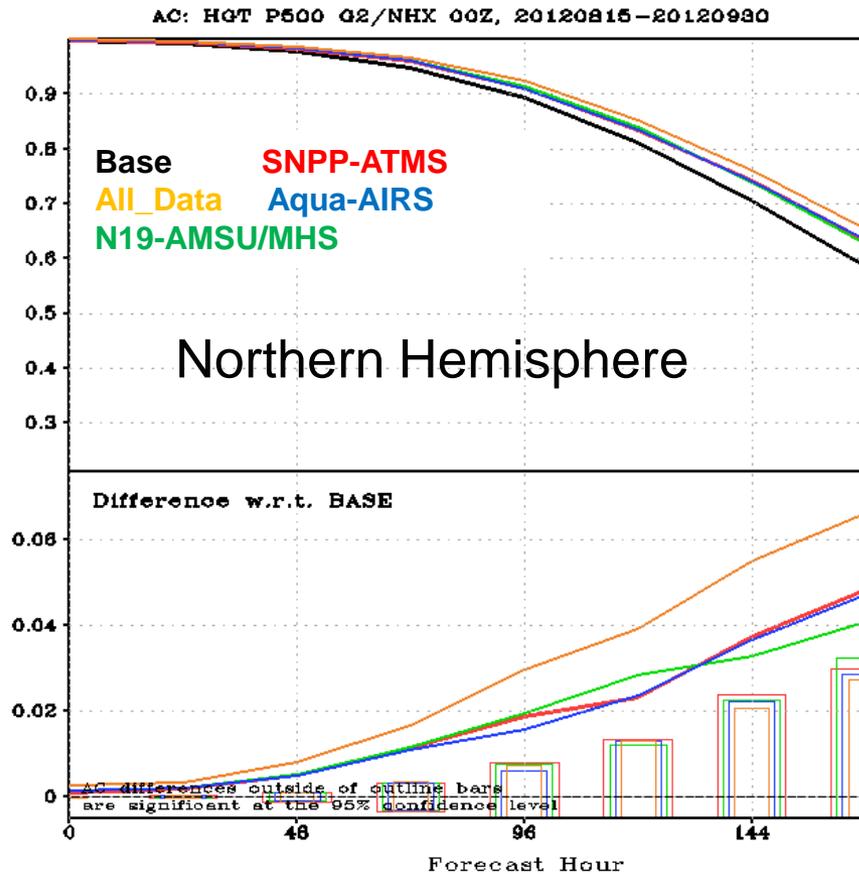
- Promote new sensor and applications research
- Ensure high quality satellite data
- Advance algorithm refinement and technology infusion
- Transition research products into operational use
- Build and sustain partnerships

Science, Service, Stewardship

STAR Provides World Class Satellite Scientific Research and Applications

- To understand and predict changes in climate, weather, oceans, and coasts
- To share that knowledge and information with others
- To conserve and manage coastal and marine ecosystems and resources
- **To maximize the impact of NOAA's satellite program for the benefit of society, our communities and Nation's economy**

We Are Making a Difference: Single Sensor Impacts: 500 hPa AC scores for 00Z 20120815-20120930 (Jim Jung)



Base includes GPSRO constellation as it existed

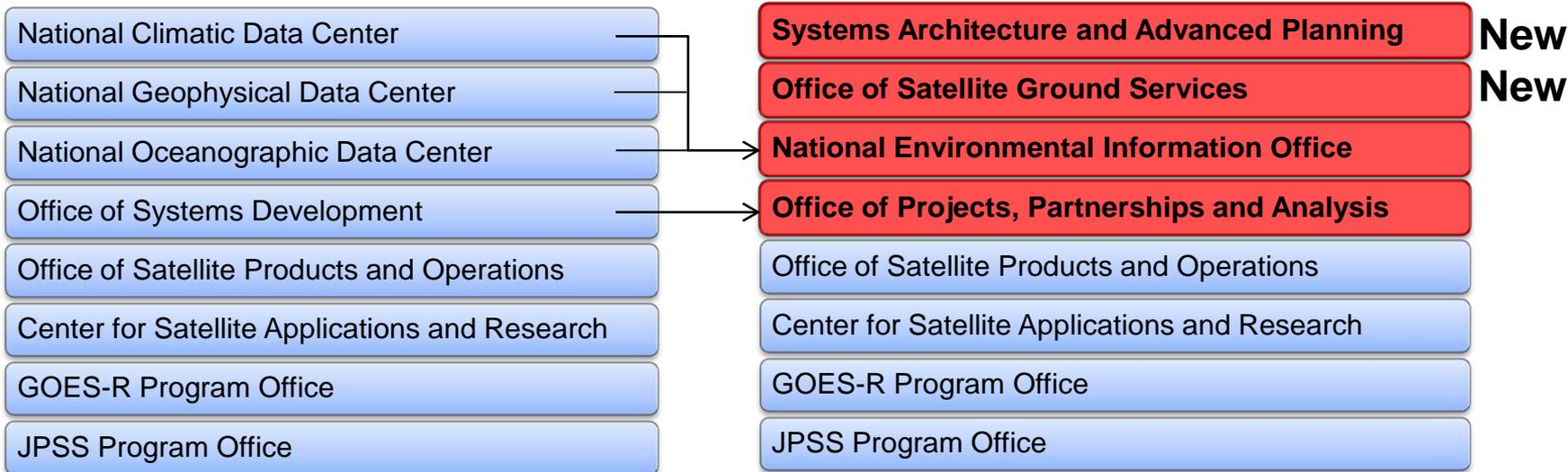


Strengthening NESDIS: Reorganization

Strengthening NESDIS Reorganization:

- ✓ Adding advanced ground services and systems engineering capabilities
 - ✓ Common Ground Services and standardizing product distribution, access and archiving
 - ✓ Systems engineering approach at the enterprise level and advanced system and technology planning for future programs
- ✓ Consolidation of world-class NOAA data centers
- ✓ Reorganization authority as part of FY2015 budget process

New Organizational Structure:

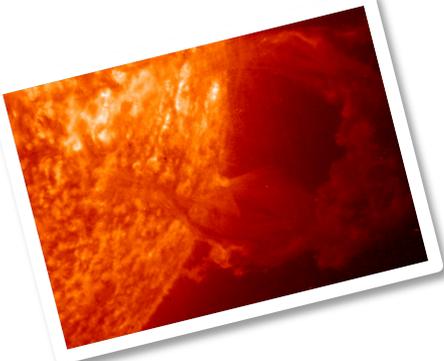




Preparing Our Users for Next Generation Satellites, Products and Services

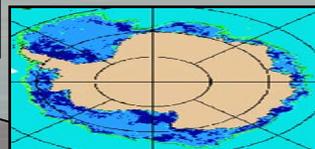
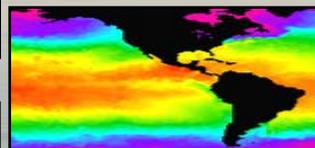
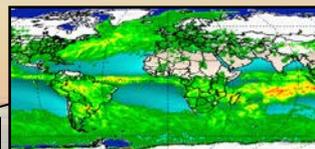
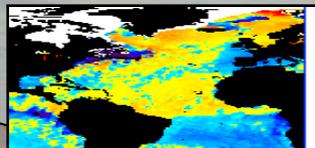
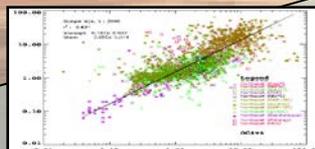
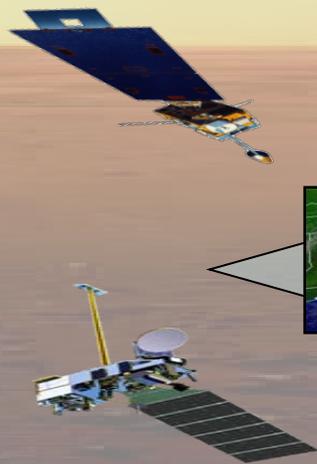


- ✔ Support a “Weather Ready Nation”
- ✔ Protect life and property
- ✔ Support transportation and commerce
- ✔ Facilitate sustainable agriculture, fisheries and aquaculture
- ✔ Assist communities and provide recreational opportunities
- ✔ Inform renewable energy business decisions
- ✔ Safeguard communication
- ✔ Create business opportunities



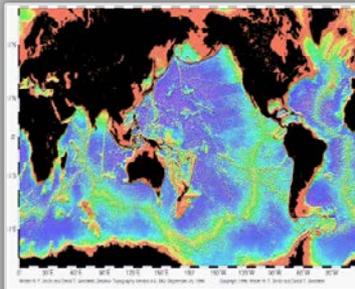
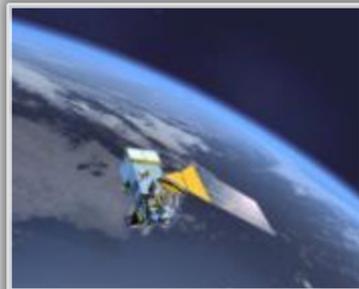
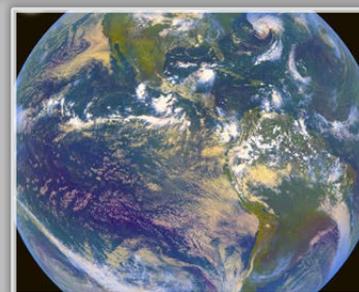
Center for Satellite Applications and Research

NOAA is where science earns value





NESDIS and STAR A Partnership





Center for Satellite Applications and Research (STAR)

Mission

To research, maintain and transfer to operations new or improved products and services enabling NOAA to offer state-of-the-art capabilities to decision makers and the public

Vision

To advance remote sensing science and technology to better inform the American public and safeguard the environment

