



# Weather and Climate Operational Supercomputing System (WCOSS) OA Q1FY11 Quarterly Report – Jan. 18, 2011 (Revised Jan. 26, 2011)



## Current Qtr Customer Business & Strategic Results

Goal	Baseline	Q1FY11
Seasonal Heidke Temperature skill score	19	21.4
1-day Precipitation Forecast threat score	29	42
CY10 48 hour intensity error (Atlantic,knots)	14	15*
CY10 48-Hour Hurricane Tracking Forecast	142 nautical miles	89*
On-time generation of forecast products	99.66%	99.84%
Automatic Switch-over time to backup system	30 minutes	10.2 min
Supercomputing System Availability	99.48%	99.91%

\*Preliminary calculations



## Next Qtr Customer Business & Strategic Goals

Goal	Baseline	Annual Target
Seasonal Heidke Temperature skill score	19	21
1-day Precipitation Forecast threat score	29	30
CY10 48 hour intensity error (Atlantic,knots)	14	13
CY10 48-Hour Hurricane Tracking Forecast	142 nautical miles	87 nautical miles
On-time generation of forecast products	99.66%	99.72%
Automatic Switch-over time to backup system	30 minutes	30 minutes
Supercomputing System Availability	99.48%	99.48%



## Risks, Issues, and Innovations

- Bridge contract award
- Transition funding in FY12 (\$10M) and FY13 (\$10M)



## Planned & Actual Expenditures (FY11)

Milestone	Planned Cost	Actual Cost	Variance
FY11 NCEP Use of HPC R&D System	\$1,359K	\$1,359K	0%
FY11 Primary System	\$4,000K	\$3,175K	20.6%
FY11 Backup System	\$2,571K	\$2,655K	-3.3%



Red = Management attention required



Yellow = Potential management action required



Green = Necessary and on-track