

National Oceanic and Atmospheric Administration

NOAA Research Scientific Computing Support
(Exhibit 300 UPI Code: 006-48-01-13-3504-00)

Operational Analysis

FY10 Quarterly Updates (Q3)
July 20, 2010



OAR Research for Climate Chart
as of 3rd Quarter FY2010

Y Relevant Performance Measures

	Q3	Q3	FY10
GPRA: U.S. Temperature Forecasts (Cum. Skill Score)	24	19.2	24
GPRA: Reduce uncertainty in North American carbon uptake	N/A	N/A	0.40 GtC/yr
GPRA: Reduce uncertainty in model simulations of the influence of aerosols on	N/A	N/A	20%
GPRA: Reduce error in measurement of global SST (annual)	N/A	0.50C	0.53C
GPRA: Number of regionally focused climate impacts and adaptation studies communicated to decision	N/A	N/A	41

Y Schedule (FY 2010)

Q3 Milestones Planned = 2		Q3 Milestones Met = 0		
FY2010	Q3			
Q3 Milestones	Apr	May	Jun	
Create IPCC-ready time-slice data sets from a 25km atmospheric model			◆	
Deploy three additional RAMA observing sites in the Indian Ocean			◆	
Planned Completion ◆	Actual Completion ◆	Not Met ◆		

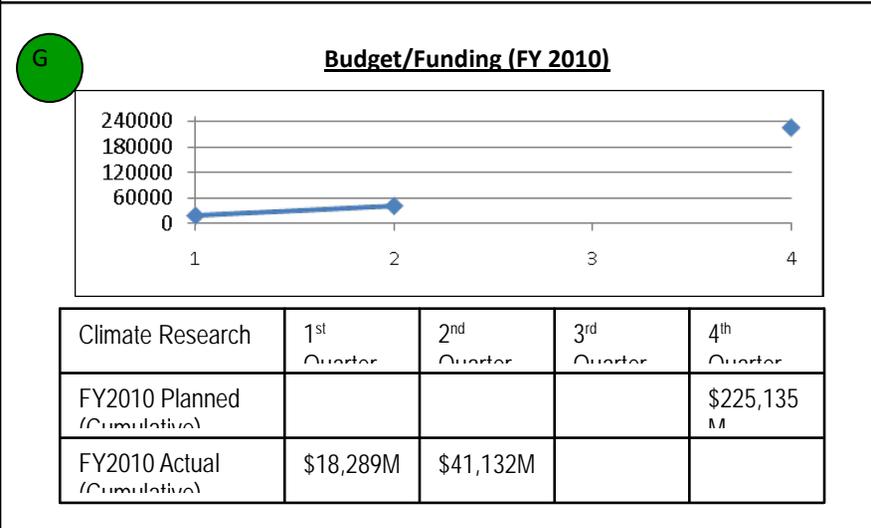
Y Key Issues/Risks

Issues/Risks:

GPRA U.S. Temperature skill score did not meet the target. There is a chance it may not meet the end-of-year target.

The IPCC milestone is delayed. The principal scientist involved was out for a significant amount of time for health reasons, and there have been inconsistencies between the results from the NOAA HPC and the results ORNL is providing, which warrants a careful analysis. The first 25km datasets should be created by the end of Q4. Hopefully, 50km dataset swill be created sooner than that.

The RAMA buoy milestone was not met. We deployed one new mooring instead of three this year so far. The reason is that South Africa canceled a cruise on us in Q1 on which we were going to deploy several moorings. This cancellation was beyond our control





OAR Oceans, Coasts, and Great Lakes Research
as of 3rd Quarter 2010

Performance Measures



Performance Measure	3 rd Qtr Planned	3 rd Qtr Actual	FY10 Target	FY10 Actual
Annual number of coastal, marine, and Great Lakes ecological characterizations that meet management needs.	8	3	50	3
Cumulative number of coastal, marine, and Great Lakes issue-based forecast capabilities developed and used for	41	41	42	41
Number of tools, technologies, and information services that are used by NOAA partners/customers to improve ecosystem-based management.	0	0	38	0

Issue: Report characterizing occurrence and distribution of pharmaceuticals and personal care products in Charleston Harbor, SC was not released

Risks: Low **Key Issues/Risks**

Mitigation: This report will be released in Q4 of 2010.

Issue: External Review of Hawaiian Monk Seal Health and Disease Program was not completed

Risks: Low

Mitigation: This review has been rescheduled for September 8-10, 2010.

Issue: "Diseases of Coral" book has not been published

Risks: Low

Mitigation: Book is scheduled to be submitted to publisher in Q1 of FY11.

Schedule FY2010



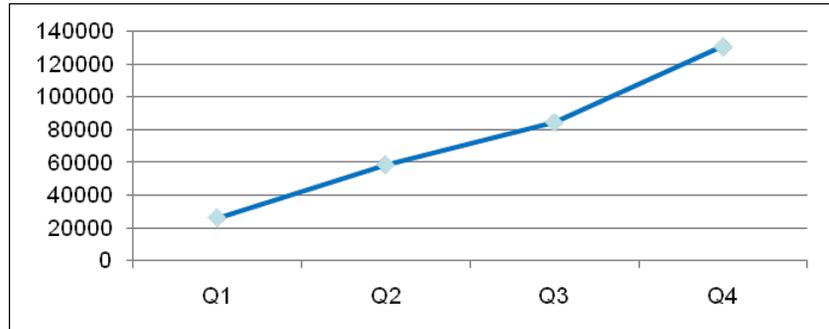
Q3 Milestones Planned = 11 | Q3 Milestones Met = 7

FY2010	Q1			Q2			Q3			Q4		
ERP Milestones*	Oc	Nov	De	Ja	Fe	Mr	Ap	Ma	Ju	Jul	Aug	Se
Characterize Ecosystem Health												
Acoustic characterization of seafloor volcanoes												
Complete mapping & ecosystem survey of Arctic												
Identify Causes of Ecosystem Change												
Report on Coho salmon spawner die-offs												
Complete draft Atlantic lionfish assessment												
Develop Ecological Forecasts												
National Harmful Algal Bloom Forecast System												
Develop Technologies and Tools												
Conduct workshop to develop OA sensors												
Complete 2 regional research plans												
Complete domoic acid test kit for aquaculturists												
Strengthen Stewardship												
Complete 1 <i>Okeanos Explorer</i>												

Legend: Not Met (red circle), Met (green diamond), Planned (blue diamond)



Budget/Funding FY2010



Oceans, Coasts, and Great Lakes Research	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
FY2010 Planned (Cumulative)				\$130,606 **
FY2010 Actual (Cumulative)	\$26,199M	\$58,517M	\$84,373M	



OAR Weather & Air Quality Research
as of 3rd Quarter 2010

Performance Measures



FY10
Target

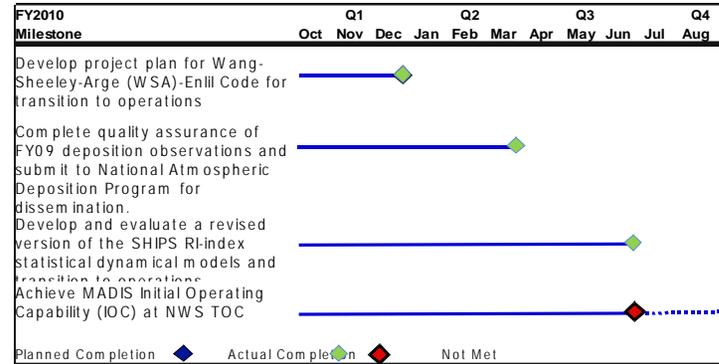
Measure	Q3 Planned	Q3 Actual	FY10 Target
Storm-Based Tornado Warning Lead Time (min)	12	12	12
Hurricane Track Forecasts (48 Hours Forecast Error, RMS)	107	107	107
Hurricane Intensity Error (Knots)	13	13	13

Schedule FY 2010



Q3 Milestones Planned = 2

Q3 Milestones Met = 1

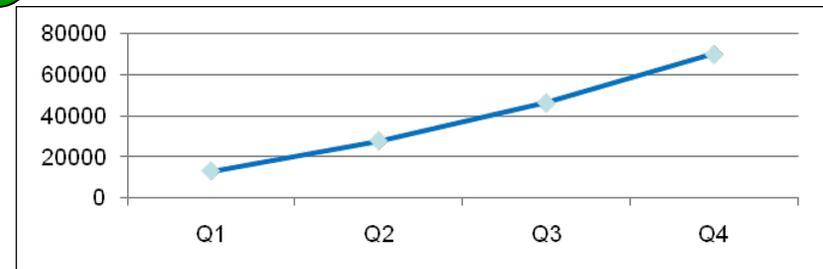


Key Issues/Risks

MADIS IOC delayed due to IT Security issues



Budget/Funding FY 2010



Weather & Air Quality Research	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
FY2010 Planned (Cumulative)				\$69,997M
FY2010 Actual (Cumulative)	\$13,120M	\$27,850M	\$46,340M	