

# SCIENCE ADVISORY BOARD

23 July 2013

Teleconference

**Kathryn D. Sullivan, Ph.D.**  
**Under Secretary of Commerce for Oceans and  
Atmosphere (Acting) and NOAA Administrator  
(Acting)**



# SECRETARY OF COMMERCE



Penny Pritzker

# NOAA LEADERSHIP CHANGES



Russell Smith



Amanda Hallberg



Dr. Russell Callender



Wayne Higgins



Elizabeth McLanahan



Dr. Thomas Burns



# BUDGET



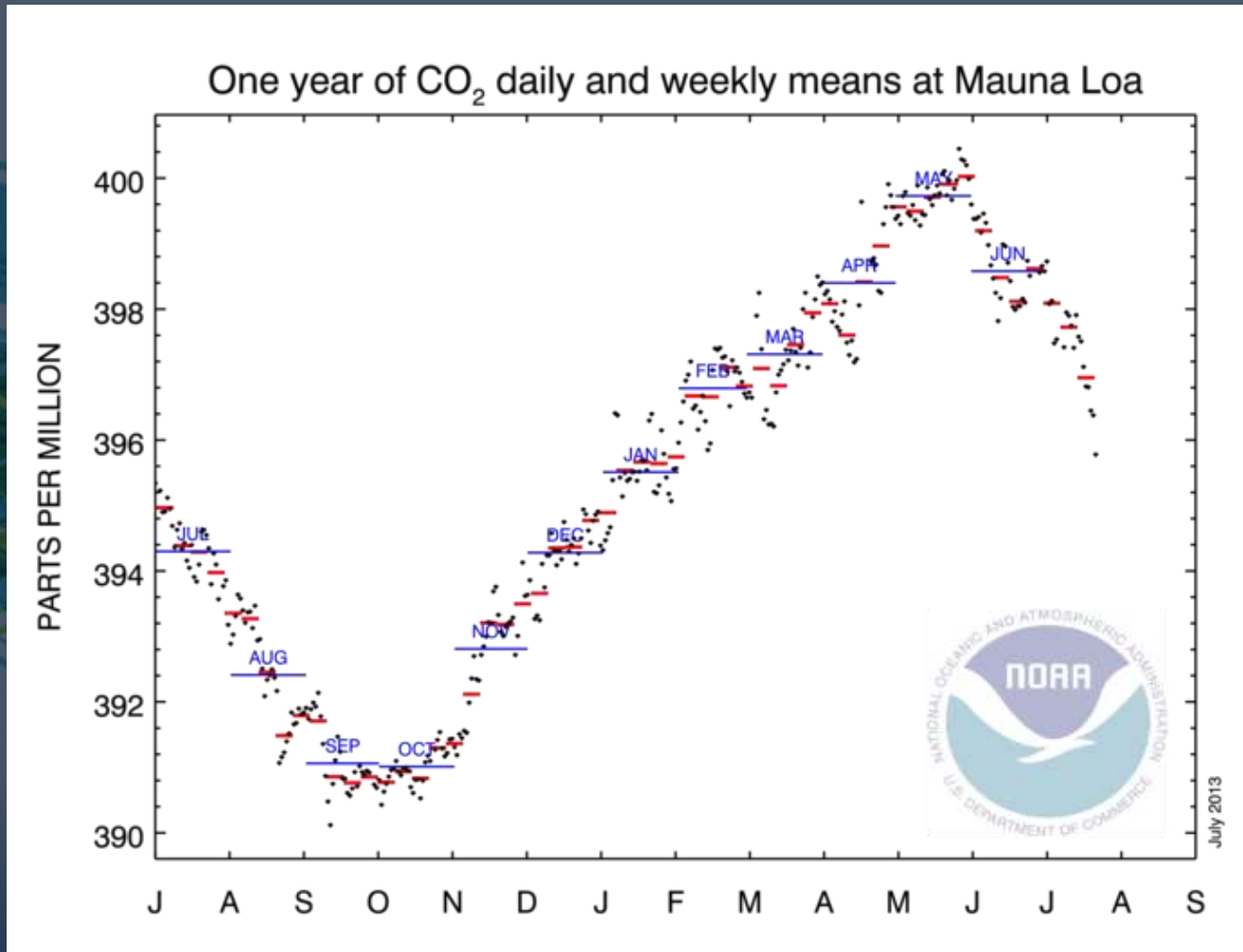
# NEW AND NOTEWORTHY



Alaska – National Strategy for the Arctic



# CLIMATE

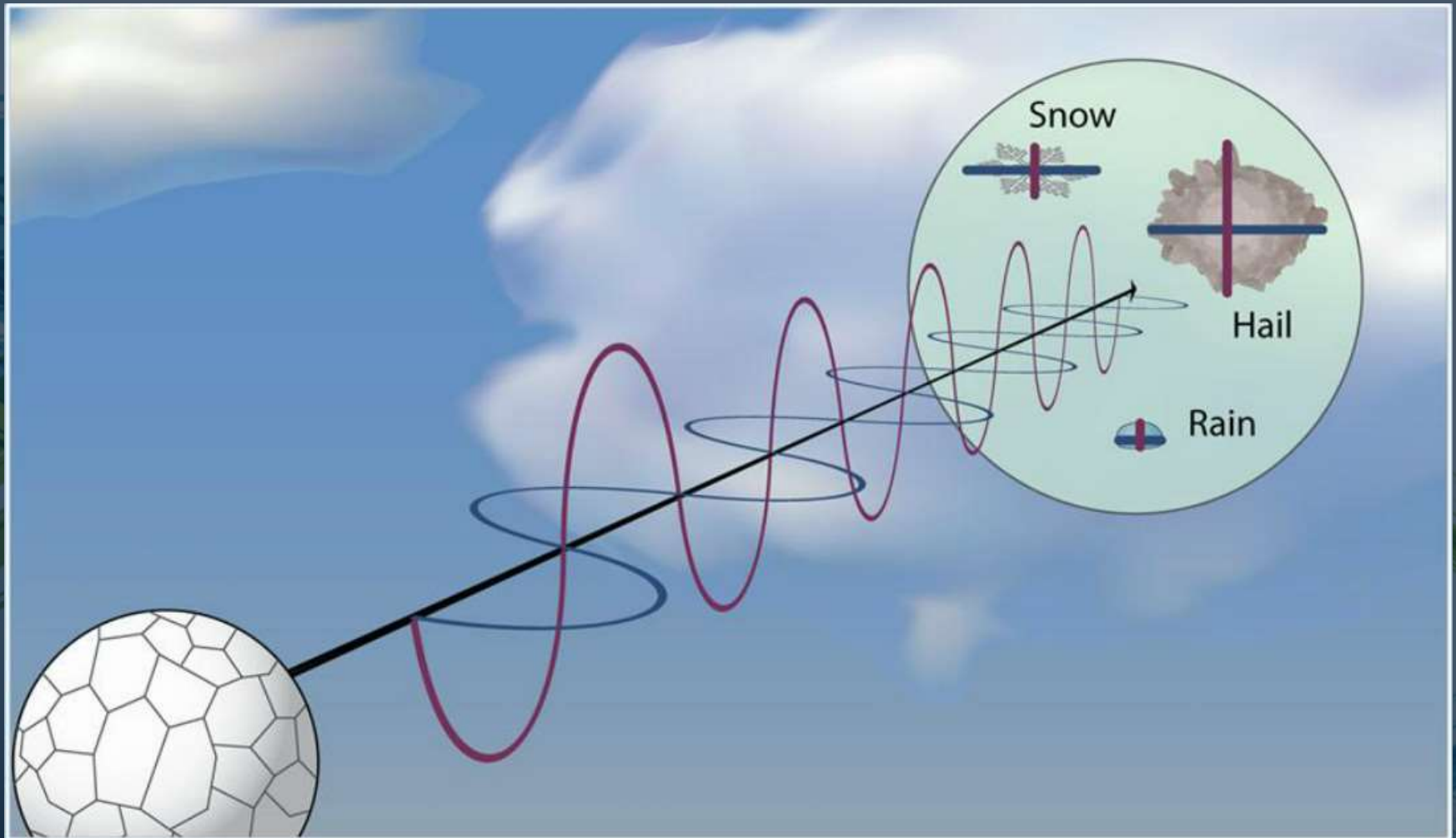


Averages at Mauna Loa for the last year (July 2013)



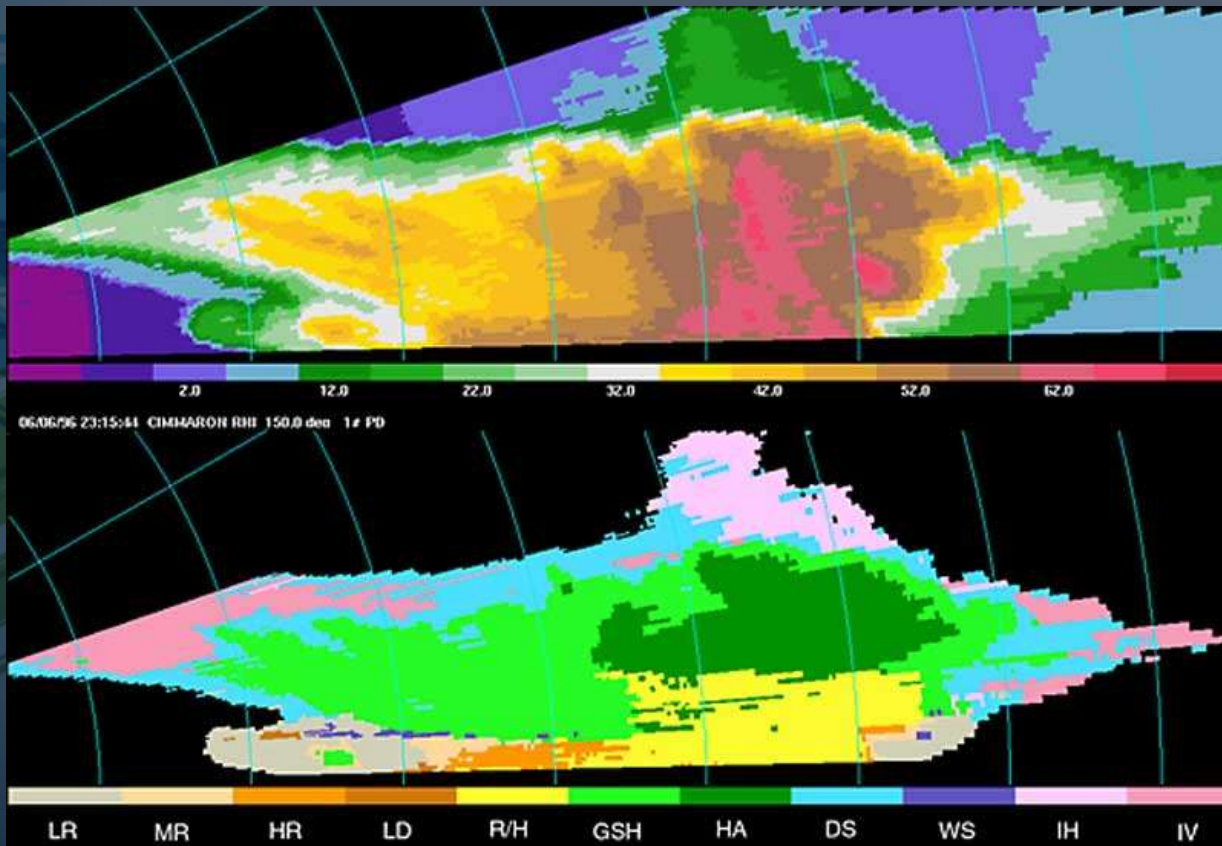
# WEATHER

## DUAL POLARIZATION UPGRADE



# WEATHER

## DUAL POLARIZATION UPGRADE



**Advantages of dual polarization radar:** The top image shows a WSR-88D vertical cross-section of radar reflectivity; the bottom image shows how dual-polarization techniques can better identify and quantify precipitation types and areas. The bottom color scale progresses from light, moderate, to heavy rain through rain/hail mix, graupel/sleet, hail, dry and wet snow, and ice.



# SATELLITES & HURRICANE OUTLOOK



JPSS1 rendering



Hurricane Sandy as seen from GOES-13  
October 28, 2012



# OCEANS AND COASTS



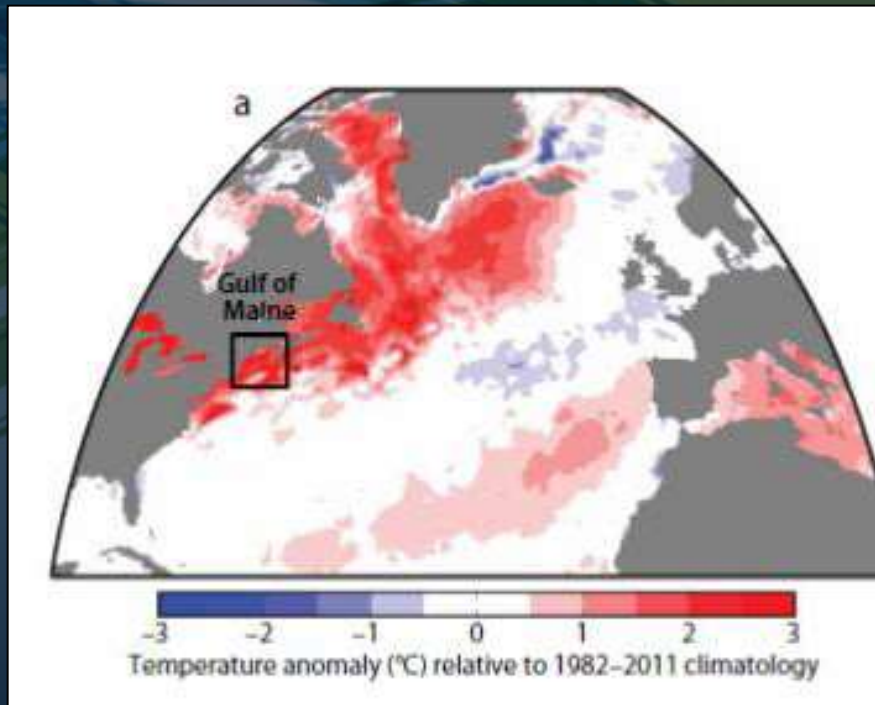
Kerry World Ocean's Day  
Roundtable

Sandy Sea Level Rise Viewer



# FISHERIES

*Fisheries management in a changing climate: lessons from the 2012 ocean heat wave in the Northwest Atlantic*



*Eric Schwaab at Managing Our Nation's Fisheries 3*



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