

NOAA AOML REVIEW  
4-6 March 2014  
AOML First Floor Conference Room  
4301 Rickenbacker Causeway, Miami, Fla. 33149

**Final Agenda**

*\*\* updates made as of 3.3.14*

***Tuesday, 4 March***

**07:00-08:00** *Informal breakfast for Reviewer Panel and Steve Fine at hotel  
Table is reserved at the bistro restaurant in the lobby of the Marriot  
Courtyard.*

**08:00** Reviewers are transported to AOML  
Meet at front door of hotel, NOAA vehicles will leave at 08:00.

***Session 1 Welcome and Overview***

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08:00 – 08:45 Check-in and registration (including pre-payment for lunch and breaks)

08:45 – 8:55 Welcome and Introductions  
*Dr. Robert Detrick, Assistant Administrator, OAR*

08:55 – 09:15 Overview of NOAA/OAR Research  
*Dr. Steven Fine, Deputy Assistant Administrator, Laboratories and Cooperative  
Institutes*

09:15 – 09:45 AOML Overview  
*Dr. Robert Atlas, Director, NOAA AOML*

09:45 – 09:55 Logistic Details, Safety Briefing, Updates  
*Dr. Alan Leonardi, Deputy Director, NOAA AOML*

**09:55 – 10:10** ***Morning Break***

***Session 2 Theme 1 Presentations: Coastal Oceans and Ecosystems***

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10:10 – 10:30 Overview – *Dr. Jim Hendee, Acting OCED Division*

10:30 – 10:50 Changing Levels of Oceanic Carbon Dioxide – *Dr. Rik Wanninkhof*

10:50 – 11:10 Quantifying Climate Change and Ocean Acidification Impacts to US Coral  
Reefs – *Dr. Derek Manzello*

11:10 – 11:30 Research to Support Ecosystem-Based Management – *Dr. Chris Kelble*

- 11:30 – 11:50 The Florida Area Coastal Environment – *Mr. Jack Stamates*
- 11:50 – 12:10 Molecular & Environmental Microbiology to Explore Biodiversity, Understand Ecological Function, and Protect Health – *Dr. Kelly Goodwin*

### ***Lunch***

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- 12:10 – 13:00 Reviewers & OAR and AOML leadership  
(AOML library)
- 13:00 – 13:40 Summary and Discussion of Theme 1 Presentations  
(AOML Conference room)

### ***Session 3 Theme 2 Presentations: Oceans and Climate (Including Observations)***

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- 13:45 – 14:10 Overview – *Director Dr. Gustavo Goni, PhOD Division Director*
- 14:10 – 14:25 Using Observations and Models to Better Understand the Meridional Overturning Circulation (MOC) – *Dr. Molly Baringer*
- 14:25 – 14:40 Ocean Circulation Links to Global Sea Surface Temperature Biases in Climate Models – *Dr. Chunzai Wang*
- 14:40 – 14:55 Climate and the Tropical Atlantic – *Dr. Rick Lumpkin*
- 14:55 – 15:10 Studies of Regional Ocean Dynamics and Variability – *Dr. Denis Volkov*
- 15:10 – 15:25 Ocean Observing System Simulation Experiments – *Dr. George Halliwell*
- 15:25 – 15:40 Springtime ENSO Phase Evolution and U.S. Tornado Outbreaks – *Dr. Sang-Ki Lee*
- 15:40 – 16:00 Afternoon Break***
- 16:00 – 16:45 Summary and Discussion of Theme 2 Presentations

### ***Session 4 Reviewer Work Session***

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- 16:45 – 17:45 Reviewer closed session in Conference room
- 17:45 Adjourn Reviewers are shuttled back to the hotel (transportation provided)

### ***Dinner***

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- 19:00 Open dinner with Reviewers, OAR & AOML leadership  
(Peacock Garden Cafe, 2889 McFarlane Rd, Coconut Grove, FL 33133)

## Wednesday, 5 March

**08:00** Transportation to AOML for reviewers (NOAA vehicles at front of hotel)

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### **Session 5** *Theme 3 Presentations: Hurricanes and Tropical Meteorology*

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**08:30 – 08:55** Overview – *Dr. Frank Marks, HRD Division Director*

08:55 – 09:15 Using Observations and Models to Better Understand and Predict Hurricanes  
– *Dr. Robert Rogers*

09:15 – 09:35 Model Advancements and Challenges in Tropical Cyclone Structure and Intensity Predictions – *Dr. Sundaraman Gopalakrishnan*

09:35 – 09:55 Data Assimilation for Tropical Cyclones – *Dr. Tomislava Vukicevic*

09:55 – 10:15 Tropical Cyclone Dynamics and Interactions with Storm Environment –  
*Dr. Paul Reasor*

10:15 – 10:35 Optimizing Observations and Observing Strategies to Better Evaluate and Improve Model Physical Processes – *Dr. Joe Cione*

**10:35 – 10:50** *Morning Break*

10:50 – 11:30 Summary and Discussion

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### **Session 6** *Lunch/roundtable for Reviewers and invited AOML bench and junior scientists*

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11:30 – 12:30 In Library (no management at this session)

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### **Session 7** *Stakeholder telephone calls (~6 stakeholders)*

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12:30- 14:00 Closed session with Reviewers & phone assistants, in Conference room

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### *Laboratory Tour and Posters for OAR and LO guests*

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12:30- 14:00 Laboratory Tour and Posters session for guests from OAR HQ and Line Offices; meet in the AOML lobby to be divided into tour groups

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### **Session 8** *Laboratory Tour and Posters for Reviewers*

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14:00 – 15:30 Laboratory Tour and Posters

**15:30– 15:45**      *Afternoon break*

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***End of Public Review Session***

***Session 9***      ***Reviewer Closed Session***

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15:45 – 17:00      Reviewer closed session (first floor conference room)

***Feedback session for OAR and LO guests & AOML management***

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15:45 – 17:00      *AOML Directors and OAR Management and LO reps (AOML library)*

17:00                  Adjourn and shuttle to hotel for reviewers

***Dinner***

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19:00                  Reviewers' executive dinner (location TDB by reviewers, no NOAA participation)

***Thursday, 6 March***

**08:00**                  Transportation to NOAA for reviewers (van at front of hotel)

***Session 10***      ***Conclusion and AOML Review Summary***

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08:30 – 08:50      Review Summary  
*Dr. Robert Atlas, AOML Director*

08:50 – 09:45      Opportunity for final questions, clarifying points, etc. between Reviewers and AOML leadership

***Session 11***      ***Reviewer Comments***

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09:45 – 12:00      Review team formulates recommendations and begins writing (closed meeting)

***Session 12***      ***Lunch and Preliminary Feedback Session***

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Review team provides preliminary feedback to OAR and AOML leadership (AOML Conference Room)

**13:00**                  ***Adjourn***