

ESRL PHYSICAL SCIENCES LABORATORY REVIEW

March 9-12, 2010

David Skaggs Research Center ~ Boulder, CO

<http://www.esrl.noaa.gov/research/review/>

Day 1 – Tuesday, March 9th (GC-402)

- 6:30** Breakfast at the Millennium – Reviewers, Rick Spinrad, Craig McLean
- 7:20** Shuttle from Millennium Hotel to NOAA
- 8:00** Welcome - Reviewers/Introductions; Charge to the Reviewers **Spinrad**
- 8:05** Keynote: Paul Sandifer, Sr. Science Advisor to NOAA Administrator **Sandifer**
- 8:20** Overview of NOAA Research Planning **McLean**
- 8:35** Welcome; ESRL Organization Overview, Physical Sciences Research and Priority Setting **MacDonald**
- 8:50** New Advances: Global Assimilation and Modeling **Whitaker and Lee**
- 9:10** ESRL Research (30 mins each) **Neff and Koch**
- 10:10** Break
- 10:30** Theme #1: Climate, Weather and Water Science (GC-402)
Co-Leads: Chris Fairall, Jim Wilczak
- 10:30** Overview - Chris Fairall
- 10:40** Air Sea Fluxes - Chris Fairall
- 10:55** Misrepresentation of Tropical SSTs in Climate Models - Prashant Sardeshmukh
- 11:10** Diagnosing Times Scales of Atmospheric Moisture Transport - Matt Newman
- 11:25** Landfalling Impacts of Atmospheric Rivers: From Extreme Events to Long-term Consequences - Paul Neiman
- 11:40** Summary and Way Forward - Jim Wilczak
- 12:00** Theme #1: QA/Discussion
- 12:30** Lunch/Reviewer Closed Session (3B-504A, 75 min)
- 12:30** Lunch other guests (GB-124)
- 1:45** Theme #2: Modeling, Data Assimilation, and Advanced Computing (GC-402)
Co-Leads: Stan Benjamin, Zoltan Toth
- 1:45** Overview and Global Modeling - Stan Benjamin
- 2:05** Data Assimilation and HRRR - Steve Weygandt
- 2:25** WRF-Chem – Development and Applications – Georg Grell
- 2:40** Forecast Uncertainty/Applications - Paul Schultz
- 2:50** Advanced Computing - Mark Govett
- 3:00** Summary and Way Forward - Zoltan Toth
- 3:15** Theme #2: QA/Discussion
- 3:45** Themes 1&2 Poster Session for Reviewers only (GB-124)
- 4:30** Themes 1&2 Poster Session continued with reception open for guests (GB-124)
- 5:15** S.O.S. Demonstration for Reviewers and OAR Sr. Management (Planet Theater) **MacDonald**
- 6:00** Reviewers Leave for Dinner (The Cork Restaurant)

Day 2 – Wednesday, March 10th (GC-402)

6:50 Breakfast at hotel

7:30 Shuttle from Millennium Hotel to NOAA

8:00 Theme #3: Climate, Weather and Water Services (GC-402)

Co-Leads: Randy Dole, Robert Webb

8:00 Overview - Randy Dole

8:15 Research to Improve Climate, Weather and Water Services - Marty Ralph

8:30 Development of an Attribution Services Capability - Martin Hoerling

8:45 PSD's role and relationship to the WWA – Kristen Averyt

9:00 PSD's role and relationship to NIDIS - Roger Pulwarty

9:15 Summary and Way Forward - Robert Webb

09:30 Theme #3: QA/Discussion

10:00 Break/Theme 3 Poster Session, Reviewers and OAR Sr. Management (45 min) (Atrium)

10:00 PSD Tour Line Offices and Guests (Climate Weather Laboratory, 1D708) PSD Staff

11:00 PSD Tour – Reviewers (Climate Weather Laboratory, 1D708) Bill Neff

11:00 Theme 3 Poster Session open for Line Offices and Guests until 1:15

12:00 Reviewers' Lunch with ESRL Scientists (2C-406, 75 min)

Lunch – OAR, LO, and other Guests (GB-124)

1:15 ALL RETURN

Theme #4: Technology Transfer and Outreach Activities (GC-402)

Co-Leads: Sher Schranz, Jennifer Mahoney

1:15 Overview - Sher Schranz

1:30 Science Transition Processes - Mike Kraus

1:45 Weather Information Display Systems - Tom Lefebvre

2:10 Outreach and Education - Beth Russell/Eric Hackathorn

2:30 Summary and Way Forward - Jennifer Mahoney

2:45 Theme #4 QA/Discussion

3:15 Break/Theme 4 Poster Session and Refreshments for Reviewers (45 min) (Cafeteria)

3:15 GSD Tour – Line Offices and Guests (2B201), (Planet Theater) GSD Staff

4:00 GSD Tour – Reviewers (2B201), (Planet Theater) Steve Koch

4:15 Open Theme 4 Poster Session with refreshments for Line Offices and guests (Cafeteria)

5:00 Reviewer Closed Work Session (3B-504A)

5:00 SOS Demonstration for Line Offices and Guests (Planet Theater)

6:00 Reviewers Shuttle leaves for Millennium

6:45 ESRL-Hosted Dinner (Reviewers, OAR leaders, Lab Directors at Laudisio's Restaurant)

Day 3 - Thursday, March 11th (GC-402)

6:50 Breakfast at Hotel

7:30 Shuttle from Millennium to NOAA

8:00 Theme #5a: Weather System Observations and Analysis (GC-402)

Lead: Bill Moninger

8:00 Overview- Bill Moninger

8:20 Unmanned Aircraft Systems - Sara Summers

8:35 GPS-Met - Seth Gutman

8:50 Summary and Way Forward: John Brown

9:00 Theme #5b: Climate System Observations and Analysis

Lead: Marty Ralph

9:00 Overview: Randy Dole

9:10 Arctic Observatories- Taneil Uttal

9:25 Historical Reanalysis - Gil Compo

9:45 Summary and Way Forward – Marty Ralph

10:00 Theme #5: QA/Discussion

10:30 Break/Theme 5 Posters, Reviewers (45 min) (Atrium)

11:15 Wrap-up (15 mins each) (GC-402)

Koch/Neff

11:45 Lunch - Reviewer Closed Session (3B-504A, 90 min)

11:45 Lunch – OAR, LO, and other Guests (on your own)

1:00 Theme 5 Poster Session OAR, LO and other Guests (Atrium)

1:00 Reviewers Meeting with Students and ESRL Post Docs (GB-124)

1:45 Tour of DSRC – OAR, LO and other Guests (meet in lobby)

2:00 Reviewers Meeting with Cooperative Institute Directors (CIRES, CIRA) (GB-124)

2:00 Presentation from CIRES Director

2:20 Presentation from CIRA Director

2:40 Q&A/Discussion with Reviewers and CI Directors

(Focus: To gain an understanding from the Directors how they (a) collaborate with NOAA, and (b) contribute to NOAA's mission.)

2:45 ALL Closing briefing (GC-402)

MacDonald

3:15 Open Q&A with Reviewers, OAR Managers and Lab Directors

End of Public Review Sessions

3:45 Reviewers Closed Session (3B-504A)

3:45 OAR Closeout: roundtable with NOAA Line-Offices and OAR Management (GB-124)

6:00 Dinner on your own (A brochure of local restaurants within walking distance and shuttle distance of the Millennium will be provided.)

Day 4 - Friday, March 12th (GC-402)

7:45 Breakfast at Hotel

8:30 Shuttle from Millennium to NOAA

9:00 Reviewers Working Session (GC-402)

10:30 Reviewers meet with OAR AA (optional – by request of Review Team)

11:00 Reviewers Report-out to OAR and ESRL Management (GC-402)

12:00 Meeting adjourned

12:30 Meet for shuttle service pick-up in lobby for airport transportation.