Morning AGENDA
Wednesday, April 3rd, 2013

• 07:00 - 08:00  Millennium Hotel, informal breakfast buffet, Thyme on the Creek, Reviewers and Steve Fine

• 08:00  Transportation, front door of hotel, NOAA vans  
  DSRC check-in, Proceed to Room GC-402 (Multi-Purpose Room)

• Session 1  Welcome and Overview (08:30-09:30)
  08:30 – 08:40  Welcome & Introductions  
  Dr. Alexander MacDonald, Director, NOAA Earth System Research Laboratory
  08:40 – 08:45  Logistic Details, Updates  
  Dr. Russ Schnell, Deputy Director, GMD
  08:45 – 09:05  Overview of NOAA/OAR Research (OV-1)  
  Dr. Steve Fine, OAR Deputy Assistant Administrator
  09:05 – 09:30  GMD Overview (OV-2)  
  Dr. James Butler, Director, GMD

• Session 2  Theme 1: Climate Forcing (09:30-10:10)
  09:30 – 09:50  Overview – Climate Forcing (CF-1)  
  Dr. John Miller, Carbon Cycle Group
  Dr. Pieter Tans, Chief, Carbon Cycle Group

• 10:10 - 10:30  Morning Break

• Session 3  Theme 1: Climate Forcing (10:30-12:15)
  10:30 – 10:45  The Carbon Cycle and Anthropogenic Carbon Emissions (CF-3)  
  Dr. John Miller, Carbon Cycle Group
  10:45 – 11:00  Vertical Profiles (CF-4)  
  Dr. Colm Sweeney, Carbon Cycle Group
  11:00 – 11:15  CarbonTracker (CF-5)  
  Dr. Andy Jacobson, Carbon Cycle Group
  11:15 – 11:30  Methane (CF-6)  
  Dr. Ed Dlugokencky, Carbon Cycle Group
  11:30 – 11:45  Detection and Monitoring of Changing Methane Emissions in the Arctic (CF-7)  
  Dr. Lori Bruhwiler, Carbon Cycle Group
  11:45 – 12:00  Greenhouse Gas Measurement Program Future Directions (CF-8)  
  Dr. Arlyn Andrews, Carbon Cycle Group
  12:00 – 12:15  Summary – Climate Forcing Gases and the Annual Greenhouse Gas Index (CF-9)  
  Dr. Steve Montzka, Halocarbons and Trace Species
Afternoon AGENDA
Wednesday, April 3rd, 2013

• **Session 4**  **Lunch and Poster Viewing (12:15-14:15)**
  12:15 – 01:00 Lunch: Room GB-124 with review committee, OAR and GMD management
  13:00 – 14:15 Poster Session 1: Atrium, Climate Forcing

• **Session 5**  **Theme 1: Climate Forcing (14:15-15:15)**
  14:15 – 14:30 Long-Term Monitoring of Water Vapor in the Upper Troposphere and Lower Stratosphere  (CF-10)
    Dr. Dale Hurst, Ozone and Water Vapor
  14:30 – 14:45 Aerosol Direct Climate Forcing  (CF-11)
    Dr. John Ogren, Group Chief, Aerosols
  14:45 – 15:00 Radiation Contributions to Climate Forcing, Ozone, and Air Quality  (CF-12)
    Dr. Joe Michalsky, Group Chief, Radiation
  15:00 – 15:15 Summary – Climate Forcing  (CF-13)
    Dr. James Butler, Director, GMD

• **15:15 - 15:30 Afternoon Break**

• **Session 6**  **GMD Tour and Reviewer Work Session (15:30-17:30)**
  15:30 – 16:30 Tour of Global Monitoring Division Boulder Operations for reviewers
  16:30 – 17:30 Reviewer closed session in room GB-124
  17:30 Adjourn, sign out, and shuttle for hotel

• **18:30 - 20:30 Dinner location TBD – invited guests**
Morning AGENDA
Thursday, April 4th, 2013

• **07:00 - 08:00**  Millennium Hotel, informal breakfast buffet, Thyme on the Creek

• **08:00**  Transportation, front door of hotel, NOAA vans
  DSRC check-in, Proceed to Room GB-124 (Outreach Classroom)

• **Session 7**  Stakeholder Telephone Calls, Room GB-124 (08:30 - 09:30)
  (Closed session with reviewers and phone assistants)
  Climate Forcing, 3 calls (~30 min)
  – Dr. Steven Wofsy, Professor of Atmospheric and Environmental Science, Harvard University; (Also Ozone)
  – Dr. Deon Terblanche, Director, Atmospheric Research and Environment, Global Atmospheric Watch Programme (Also Ozone)
  – Robert S. Marshall, President and CEO, Earth Networks
  Ozone, 2 calls (~20 min)
  – Dr. Mack McFarland, Global Environmental Manager, Du Pont Chemicals and Fluoroproducts
  – Dr. Ron Prinn, Professor, MIT (Also Climate Forcing)
  Air Quality, 1 call (~10 min)
  – Brock LeBaron, Deputy Director, Division of Air Quality, State of Utah

• **Session 8**  Observatories and Common Elements, Room GC-402 (09:30-10:20)
  09:30 – 09:45  Global Monitoring Division Observing Facilities and Operations (OC-1)
  Dr. Russ Schnell, Deputy Director, GMD
  09:45 – 10:00  Calibration and Standards Activities (OC-2)
  Dr. Brad Hall, Halocarbons and Trace Species
  10:00 – 10:20  Data management and quality control (OC-3)
  Ken Masarie, Carbon Cycle Group

• **10:20 - 10:35**  Morning Break

• **Session 9**  Theme 2: Ozone and Ozone Depleting Gases  (10:30-11:55)
  10:35 – 10:50  Overview – Ozone and Ozone Depleting Gases (OD-1)
  Dr. James Elkins, Group Chief, Halocarbons and Trace Species
  10:50 – 11:05  Measurements and Analysis of Stratospheric Ozone (OD-2)
  Dr. Irina Petropavlovskikh, Group Chief, Ozone and Water Vapor
  11:05 – 11:20  South Pole Ozone (OD-3)
  Dr. Bryan Johnson, Ozone and Water Vapor
  11:20 – 11:35  Stratospheric Transport (OD-4)
  Dr. Fred Moore, Halocarbons and Trace Species
  11:35 – 11:55  Ozone Depleting Gas Index and Summary (OD-5)
  Dr. Steve Montzka, Halocarbons and Trace Species
Afternoon AGENDA
Thursday, April 4th, 2013

• **Session 10**  **Lunch and Poster Viewing (11:55-13:45)**
  11:55 – 12:45  Lunch: Room GB-124 with review committee and GMD Scientists
  12:45 – 13:45  Poster Session 2: Atrium, Ozone and Air Quality

• **Session 11**  **Theme 3: Air Quality (AQ) and Regional Studies (13:45-14:45)**
  13:45 – 14:00  Overview of GMD AQ and Regional Studies (AR-1)
    *Dr. Russ Schnell, Deputy Director, GMD*
  14:00 – 14:15  Tropospheric Ozone (AR-2)
    *Sam Oltmans, Ozone Group*
  14:15 – 14:30  Aerosol Optical Depth Measurements and Related Research (AR-3)
    *John Augustine, Radiation Group*
  14:30 – 14:45  Methane and Volatile Organic Compounds Emissions from Oil and Gas Operations (AR-4)
    *Dr. Gabrielle Petron, Carbon Cycle Group*

• **Session 12**  **Conclusion and GMD Review Summary (14:45-15:00)**
  14:45 – 15:00  Review summary (RS-1)
    *Dr. James Butler, Director, GMD*

• **15:00 - 15:15**  **Afternoon Break – End of Public Review Sessions**

• **Session 13**  **Reviewer Closed Session (15:15-17:45)**
  15:15 – 16:00  Reviewer closed session with GMD and OAR Management, Room GC-402
  16:00 – 17:45  Reviewer closed session, Room GB-124
  17:45  Adjourn and shuttle for hotel

• **18:30 - 20:30**  **Dinner**
  Reviewer’s executive dinner
Morning AGENDA
Friday, April 5th, 2013

• 07:00 - 08:00  Millennium Hotel, informal breakfast buffet, Thyme on the Creek

• 08:00  Transportation, front door of hotel, NOAA vans
          DSRC check-in, Proceed to Room GB-124 (Outreach Classroom)

• Session 14  Reviewer Comments
  08:30 – 11:00  Review team formulates recommendations and begins writing, GB-124
  11:00 – 12:00  Review team provides preliminary feedback to OAR and GMD Management, GC-402

• 12:00  Adjourn