3-5 April 2013

David Skaggs Research Center, Room GC-402 325 Broadway, Boulder, Colorado 80305

Morning AGENDA Wednesday, April 3rd, 2013

· 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
09:50 - 10:10	Development of the Global Greenhouse Gas Reference Network (CF-2)
	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

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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

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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, Dupont 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

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Afternoon AGENDA Thursday, April 4th, 2013

• Session 10 11:55 – 12:45	Lunch and Poster Viewing (11:55-13:45) 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

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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

Revised: Tuesday, March 26, 2013