

Global Monitoring Division

Logistics, Agenda and Tour Schedule 2013-2017 Review

May 21-24, 2018



Contents:

- Contacts, Directions, Map and Instructions.....2
- Agenda.....5
- Tour Schedule.....9

Points of Contact

- Julie Singewald, office (303) 497-6891, cell (303) 990-3023 (hotel and logistics)
- Ann Thorne, office (303) 497-4600, cell (720) 438-1925 (visitor info and site access)
- Susan Abenilla-Brown (303) 497-6074, cell (720) 683-2794 (travel)
- Diane Stanitski (303) 497-6375, cell (717) 816-0242 (general questions)

Review Panel transportation between Denver International Airport and Boulder

- Upon arrival at Denver International Airport (DIA), GMD will provide transportation for Review Panelists to their hotel in Boulder, if desired. Pick up will take place on the east side of the airport, Level 6, outside the doors with a Southwest Airlines sign overhead. Note that this is one level above Baggage Claim and is the Departures level, but the easiest and least crowded place to make a connection. Contact information for the GMD driver will be provided prior to flight departure.
- GMD will also offer van service for Review Panelists from Boulder to DIA following lunch and the close of the formal Review on Thursday, May 24.

Lodging Information

- The review hotel is the
 - Millennium Harvest House Boulder, (303) 443-3850
 - Room block name: NOAA GMD Review
 - **Deadline for room block reservation: April 15**

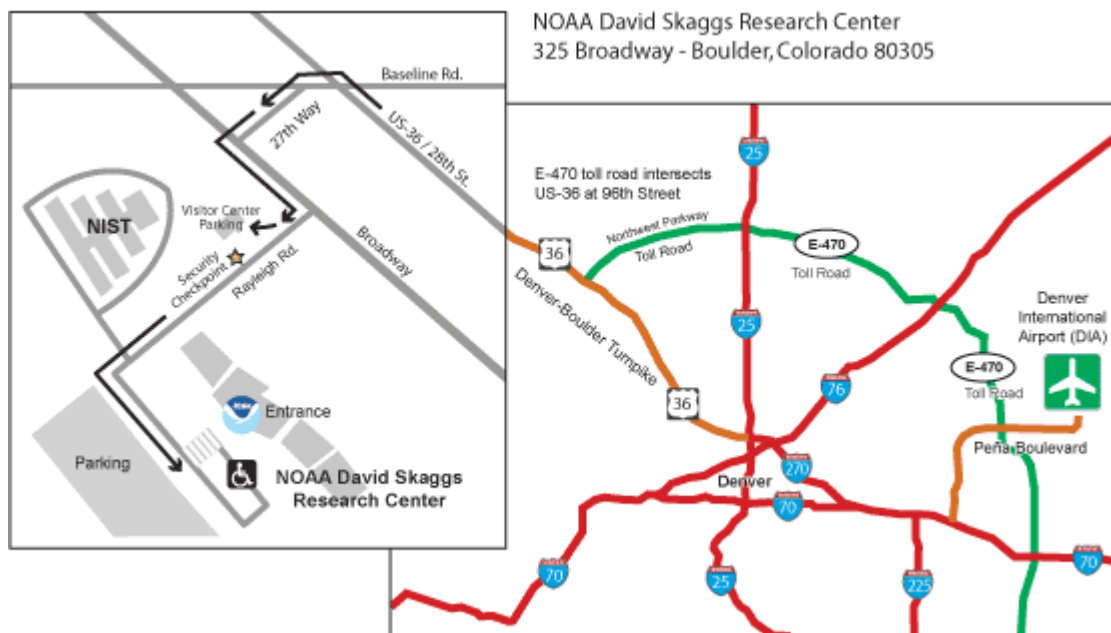
Reservations have been made for GMD Reviewers. Please present your credit card upon check-in. The rooms will be charged to your credit card and reimbursed to you after the review when the travel voucher is processed for reimbursement. If driving to the hotel from Denver International Airport, follow the directions detailed below.

Transportation from Millennium to David Skaggs Research Center (DSRC)

Transportation will be provided for the GMD Review Panelists from the Millennium to the meeting site (DSRC) and back each day via a GMD van. Pick up is at the hotel front door at 11:30 AM on Monday, May 21 and 7:45 AM from Tuesday through Thursday, May 22-24. The Review will take place in GC-402 in the DSRC.

For those Driving: Directions to ESRL

ESRL is located in the David Skaggs Research Center (DSRC) at 325 Broadway in Boulder, Colorado, next to the Department of Commerce National Institute of Science and Technology (NIST) building.



Driving Directions from DIA to Boulder

Toll Road (42.5 mi via E-470 N toll road) to DSRC:

- Take Peña Boulevard to E-470 Toll Road North, Exit 6B - toward Fort Collins (approx. 4 miles). Merge onto E-470 North and follow E-470 to US-36 toward Boulder/Fort Collins (approx. 18 miles).
- Merge onto US-36 West.
- In ~9 miles, exit US-36 at Baseline Road (University of Colorado Main Campus exit).
- Keep left and turn left (West) onto Baseline (toward mountains).
- Keep left and turn left at the first light onto 27th Way.
- Stay in the middle lane and turn left onto Broadway.
- Turn left onto Broadway / CO-93.
- Take the second right at the light onto Rayleigh Rd. and bear right into the Visitors Center parking lot to pick up your badge.
- Tolls are ~\$9.00 each way (~\$5.90 if you have ExpressToll). Expense will be reimbursed on **travel voucher**.

Toll Free (44.4 mi via US-36 W) to DSRC:

- Exit Denver International Airport via Peña Boulevard.
- Take Peña Boulevard to I-70 West.
- Split right on I-270 West (Exit 279), toward Ft. Collins and follow to US-36 toward Boulder.
- Take US-36 West and follow instructions above to get to NOAA Visitor's Center.

Driving Directions from DIA to Millennium Hotel:

- Follow driving directions above to US-36 West.
- After ~9 miles US-36 West turns into 28th Street taking you directly into Boulder.
- The Millennium Hotel is on the left side of 28th Street, just past Colorado Avenue and before Arapahoe Avenue.

By Bus

Regional bus service to Boulder is available through the [RTD](#). The AB1 bus provides service between the Denver International Airport and Boulder (\$9.00 each way). Broadway and 27th is the closest main stop to the NOAA visitor center, which is located at Broadway and Rayleigh, and is served by the SKIP, DASH, AB1, Bound, and GS bus routes.

By Airport Shuttle

[SuperShuttle](https://www.supershuttle.com) (<https://www.supershuttle.com>, 303-227-0000, mobile app available for discounts and additional information) provides service from the airport to locations in Boulder for \$84.00 one way (\$75.60 with AAA discount).

You will need to make your own reservations with SuperShuttle using your own credit card. This expense will be reimbursed though your travel voucher. When making reservations you can specify round trip and that your destination is the Millennium Hotel in Boulder, Colorado. Departures from Denver International Airport to Boulder run on demand between 8:00 am and 10:00 pm. Return trips to Denver International Airport are scheduled when you schedule your initial shuttle ride to Boulder.

The SuperShuttle counter at Denver International Airport is located across from the Ground Transportation desk on Level 5/Baggage Claim in the center of the main terminal (and near the women's restroom). Counter staff will issue tickets and give directions to the van loading areas.

If you prefer that Susan Abenilla make the reservations for you, she will need your credit card information.

Security Procedures for Visitors (those without a NOAA-issued CAC card)

- All visitors are required to sign in and receive a visitor badge at the Visitor's Center near the Security Checkpoint in front of the David Skaggs Research Center (see map above) unless they have a NOAA-issued CAC card. Visitors will only need to go to the Visitor's Center on the first day to get a temporary ID good for the week. The Visitor's Center does not accept CACs issued by any other agency.
- Visitors to the site who are U.S. citizens need to present a U.S. photo ID, such as a current state driver's license. Foreign Nationals must present a valid passport or a "green card" (originals only -- no photocopies accepted).
- To receive a visitor badge, all visitors are required to park next to the Security Checkpoint and enter the Visitor's Center to be screened before proceeding to their destination.
- These are Homeland Security requirements regardless of security threat level. If you have any questions, please contact Keith Turbitt at (303) 497-4332.

Area Restaurants

Boulder Convention & Visitors Bureau listing of [restaurants in Boulder](#).

Boulder Weather

Please check the [National Weather Service forecast for Boulder, Colorado](#) before your trip. If there is a chance that severe weather may close the campus, check the [Boulder Labs Site Status](#) website or call 303-497-4000.

NOAA ESRL GLOBAL MONITORING DIVISION REVIEW

May 21-24, 2018

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

GMD Review AGENDA

Monday, May 21, 2018

- Morning** *GMD Review Panel and OAR Leadership have breakfast at Millennium Hotel*
- 0945–1015** NOAA van will leave promptly at 0945 from the front door of the Millennium
DSRC security check-in; proceed to Room GC-402 (Multi-Purpose Room)
- Session A** ***Welcome to Review and Overview***
- 1015–1020 Welcome and Logistics
Russell Schnell, GMD Deputy Director of Science
- 1020-1025 Welcome and Charge to Reviewers
Craig McLean, OAR Assistant Administrator
- 1025-1045 Overview of NOAA and OAR Research; Introduction of Review Panel
Ko Barrett, OAR Deputy Assistant Administrator for Programs and Administration
- 1045-1130 ESRL GMD Overview
James Butler, GMD Director
- 1130-1145 CIRES Overview
Waleed Abdalati, CIRES Director
- 1145-1300** ***Lunch meeting (closed), GC-402, Reviewers and OAR Leadership***
– Charge to reviewers, internal discussion – OAR AA, OAR DAA, Review Panel
- Session B** ***GMD’s Research Themes***
- 1300-1350 **Theme 1: Tracking Greenhouse Gases and Understanding Carbon Cycle Feedbacks**
Arlyn Andrews, Scientist, Carbon Cycle Greenhouse Gases Group
- 1350-1430 **Theme 2: Monitoring and Understanding Changes in Surface Radiation, Clouds, and
Aerosol Distributions**
Allison McComiskey, Chief, Global Radiation Group
- 1430-1445** ***Afternoon Break***
- 1445-1525 **Theme 3: Guiding Recovery of Stratospheric Ozone**
Steve Montzka, Scientist, Halocarbons Group
- 1525-1640 ***Concurrent tours of GMD Facilities***
- James Butler, GMD Director
- Russell Schnell, GMD Deputy Director of Science
- Session C** ***Supporting Infrastructure***
- 1640-1705 **Calibrations and Standards**
Brad Hall, Scientist, Halocarbons Group
- 1705-1730 **Atmospheric Baseline Observatories**
Brian Vasel, Chief, Observatory Operations
- 1745** Meet van at DSRC main entrance to return to Millennium
- 1800-2000** **Icebreaker Reception** including food and refreshments - Millennium Patio

NOAA ESRL GLOBAL MONITORING DIVISION REVIEW

May 22, 2018

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

GMD Review AGENDA

Tuesday, May 22, 2018

0700-0730 *Millennium Hotel, informal breakfast buffet at Thyme on the Creek*

0745 *Meet NOAA van at front door of hotel for transit to DSRC*

0745-0830 *DSRC check-in and Morning Snacks – Coffee, tea, fruit, bagels, donuts at GMAC*

- **Session 1**

0830-0945 **Introduction, Keynote Address, and Setting the Stage**

0945-1015 *Morning Break*

- **Session 2**

1015-1145 **Tracking Greenhouse Gases and Understanding Carbon Cycle Feedbacks**

1145-1300 *Lunch (closed) with Review Panel and Theme 1 Scientists – 2C-406*

GMD Scientists: CCGG - Arlyn Andrews, Andy Jacobson, John Miller, Gaby Petron, Colm Sweeney

- **Session 3**

1300-1430 **Monitoring and Understanding Changes in Surface Radiation, Clouds, and Aerosol Distributions**

1430-1500 *Afternoon Break*

- **Session 4**

1500-1645 **Guiding Recovery of Stratospheric Ozone**

1700-1930 *Poster Session - food and refreshments - DSRC Cafeteria
Stakeholder posters specific to panel expertise designated*

NOAA ESRL GLOBAL MONITORING DIVISION REVIEW

May 23, 2018

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

GMD Review AGENDA

Wednesday, May 23, 2018

0700-0730 *Millennium Hotel, informal breakfast buffet at Thyme on the Creek*

0745 *Meet NOAA van at front door of hotel for transit to DSRC*

0745-0830 *Morning Snacks – Coffee, tea, fruit, bagels, donuts at GMAC*

• **Session 5**

0830-0945 **Tracking Greenhouse Gases and Understanding Carbon Cycle Feedbacks**

0945-1015 *Morning Break (demonstration projects on display in atrium near cafeteria)*

• **Session 6**

1015-1145 **Tracking Greenhouse Gases and Understanding Carbon Cycle Feedbacks**

1145-1300 ***Lunch (closed) with Review Panel and Theme 2/3 Scientists – 2C-406***

GMD Scientists: Aerosols - Betsy Andrews; G-RAD - Gary Hodges, Kathy Lantz; HATS - Brad Hall, Stephen Montzka; OZ WV - Dale Hurst; OBOP – Christy Schultz

• **Session 7**

1300-1430 **Monitoring and Understanding Changes in Surface Radiation, Clouds, and Aerosol Distributions**

1430-1500 *Afternoon Break (demonstration projects on display in atrium near cafeteria)*

• **Session 8**

1500-1645 **Guiding Recovery of Stratospheric Ozone**

1700-1815 ***Feedback session (closed) – LO reps, OAR and GMD Mgmt Staff, Chiefs – GC-402***

Participants: NIDIS rep, NMFS rep, NOS rep, NWS rep, OMAO rep, Craig McLean, Ko Barrett, James Butler, Russell Schnell, Diane Stanitski, James Elkins, Allison McComiskey, Irina Petropavlovskikh, Patrick Sheridan, Pieter Tans, Brian Vasel

1700-1815 ***Reviewer Closed Session – 3D-512***

1830-2030 ***Dinner (closed) Carelli's – Reviewers, OAR AA & DAA, GMD Mgmt, Chiefs***

Participants: Reviewers, Craig McLean, Ko Barrett, James Butler, Russell Schnell, Diane Stanitski, James Elkins, Allison McComiskey, Irina Petropavlovskikh, Patrick Sheridan, Pieter Tans, Brian Vasel

GMD Review AGENDA
Thursday, May 24, 2018

0700-0730 *Millennium Hotel, informal breakfast buffet at Thyme on the Creek*

0745 *Meet NOAA van at front door of hotel for transit to DSRC*

0800 *Session begins in conference room GC-402*

Session D ***Reviewer Closed Session***

0800-0830 Open reviewer session with GMD Staff

0830-0915 Reviewer session with GMD Management Staff, Group Chiefs and OAR Management for review summary, Q&A

Participants: Reviewers, Craig McLean, Ko Barrett, James Butler, Russell Schnell, Diane Stanitski, James Elkins, Allison McComiskey, Irina Petropavlovskikh, Patrick Sheridan, Pieter Tans, Brian Vasel

0915-1000 Reviewer closed session; team formulates recommendations and begins writing (breaks as needed)

1000-1015 ***Morning Break with refreshments***

Session E ***Reviewer Closed Session (cont'd)***

1015-1115 Reviewer closed session; team formulates recommendations and begins writing (breaks as needed)

1115-1215 Review team provides preliminary feedback to OAR and GMD Management

1215-1230 Closing Remarks

1230-1315 ***Lunch*** - Reviewer's executive lunch in conference room
 GMD Review complete

Tour of GMD Facilities – May 21, 3:25-4:40 PM (two 75-min tours)

Tour leaders: Scientists/technicians in each lab along with ...

- Russ Schnell as lead for GGGRN and HATS labs (listed on [left schedule](#))
- Jim Butler as lead for OZVW, AERO, and G-RAD labs (listed on [right schedule](#))

GMD Tour Schedule						
Stop #	Time (w/ transition)	Facility	POC on site (with Russ)	Est Time (w/ transition)	Facility	POC on site (with Jim)
1	3:25-3:32 (7)	Transition from GC-402 to Flask Lab	Russ Schnell	3:25-3:32 (7)	Transition from GC-402 to GMD 3rd floor	Jim Butler
2	3:32-3:41 (9)	Flask Logistics Lab	Eric Moglia	3:32-3:41 (9)	Core C-D Wall / Movie	Jim Butler
3	3:41-3:49 (8)	Standards Lab	Brad Hall	3:41-3:50 (9)	AERO Lab	Pat Sheridan
4	3:49-3:58 (9)	HATS Lab	Steve Montzka	3:50-3:56 (6)	OZVW Lab – ozonesondes	Emrys Hall
5	3:58-4:07(9)	CO ₂ Cal Transfer Lab	Tom Mefford	3:56-4:01 (5)	OZVW – water vapor sondes	Patrick Cullis
6	4:07-4:16 (9)	CCGG Lab	Pat Lang	4:01-4:08 (7)	Dobson Lab	Glen McConville
7	4:16-4:25 (9)	PFP Lab	Ben Miller	4:08-4:13 (5)	Transition to roof	Emiel Hall
8	4:25-4:35 (10)	Core C-D Wall / Movie	Russ Schnell	4:13-4:22 (9)	Roof Tour: G-RAD	Jim Butler
9				4:22-4:27 (5)	Transition to G-RAD CUCF spectral calib Lab	
				4:27-4:35 (8)	G-RAD Lab	Patrick Disterhofs
10	4:35-4:40 (5)	Rm GC-402 for wrap-up, to icebreaker	Russ, Jim, reviewers	4:35-4:40 (5)	Rm GC-402 for wrap-up, to icebreaker	Jim, Russ, reviewers