



# 2015 Improve Steering Committee Meeting Grand Canyon National Park

November 3-4, 2015

## Schedule

### Monday, November 2<sup>nd</sup>

#### Travel to the Grand Canyon - South Rim / Group Hike

A room block has been reserved at the:

#### **Horace Albright Training Center**

1 Albright Avenue, Grand Canyon Village, AZ 86023  
(928) 638-7981

2:00 pm (optional)

Group Hike  
S Kaibab Trail (carpool to trailhead from Albright)

### Tuesday, November 3<sup>rd</sup>

#### IMPROVE Steering Committee Meeting / Group Dinner

8:30 am – 5:25 pm

Day 1 of the IMPROVE Steering Committee Meeting at the:  
**Horace Albright Training Center**  
Classroom 1

6:30pm (optional)

Group Dinner reservations have been made at:  
**Bright Angel Lodge**  
9 Village Loop, Grand Canyon Village, AZ 86023  
(928) 638-2631

### Wednesday, November 4<sup>th</sup>

#### IMPROVE Steering Committee Meeting / RHR Working Meeting

8:30 am – 10:00 am

Day 2 of the IMPROVE Steering Committee Meeting at the:  
**Horace Albright Training Center**

10:00 am – 1:00 am

Lunch break and IMPROVE site visit (carpool from Albright)

1:00 – 5:00 (optional)

RHR Tracking Metrics Working Meeting (agenda TBD)  
**Horace Albright Training Center**  
Classroom 1

# Arrival and Transportation

## **FLYING**

Commercial airlines serve Phoenix, Flagstaff, and Las Vegas. There is limited air service into Grand Canyon Airport (7 miles south of the park) from Las Vegas and elsewhere.

## **PUBLIC TRANSPORTATION**

Daily scheduled shuttle service between Flagstaff and Grand Canyon Village is offered by Arizona Shuttle (800-563-1980). On demand shuttle service between Flagstaff/Sedona/Williams and Grand Canyon is provided by Grand Canyon Shuttle Service (888-215-3105).

Within the Grand Canyon Village, a taxi service is available for only \$6 (up to 3 people), and \$2 for each additional. For taxi service, **contact Xterra Transportation (928-638-2822)**.

## **DRIVING**

Enter Grand Canyon National Park via either the East Entrance (via Highway 64) or South Entrance (via Highway 180). **\*\*Inform the employee at the entrance gate you are there on Albright business and the \$25 entrance fee will be waived.\*\*** Proceed to:

### **Horace Albright Training Center**

1 Albright Avenue,  
Grand Canyon Village, AZ 86023  
(928) 638-7981

Kowski Hall (the main building) is open Monday through Friday, 8 am to 5 pm  
Lodging rooms are in buildings A,B,C,D, and E. Check in at Room #A102

### **Directions to Albright Training Center via South Entrance**

- From I-40, take exit onto Hwy 64, Williams/Grand Canyon exit. Turn right if coming from the east. Turn left if coming west.
- Take Highway 64 north approximately 55 miles north to the park entrance gate
- Proceed approximately 2 ½ miles from the entrance gate to Center Road. Turn left
- Go approximately 1 ½ miles to Albright Avenue. Turn left
- Turn right at the second driveway into Albright Training Center

### **Directions to Albright Training Center via East Entrance**

- Take Highway 64 west from Highway 89; go about 32 miles to entrance gate
- Drive approximately 25 miles and turn left (south) on Highway 64
- Proceed approximately one mile south on Highway 64 to the signal signifying Center Road. Turn right
- Go approximately one and a half miles to Albright Avenue. Turn left
- Turn right at the second driveway into Albright Training Center

**\*\*DRAFT\*\* IMPROVE Steering Committee Meeting Agenda  
November 3,4, 2015, Albright Center, Grand Canyon National Park, Arizona**

**Tuesday, November 3rd - Technical Session**

<u>Time</u>	<u>Topic</u>	<u>Discussion Leader</u>
8:30 AM	Introductions	Scott Copeland
8:35 AM	Welcome to Albright	Justine Stout
8:45 AM	Grand Canyon Air Issues	Jane Rodgers
<b>Network Review</b>		
9:00 AM	Optical, Scene Monitoring	Mark Tigges, Scott Cismoski
9:30 AM	Quality assurance – field audits	TBD
9:45 AM	Aerosol monitoring network status	Nicole Hyslop
<b>10:30 AM 15 Minute Break</b>		
<b>Laboratory Review &amp; Methods Development</b>		
10:45 AM	Update of IMPROVE Carbon Analysis	Judy Chow
11:15 AM	Temperature Calibration of Thermal/Optical Carbon Analyzer	John Watson
11:45 AM	Ion analysis	Tracy Dombek
<b>12:05 PM 75 Minute Lunch</b>		
1:20 PM	Laboratory intercomparisons and issues	TBD
1:40 PM	Trend Analysis	Nicole Hyslop
2:00 PM	Fabs Data	Warren White
2:15 PM	FTIR calibrations for OC and EC using IMPROVE data	Ann Dillner
<b>3:00 PM 15 Minute Break</b>		
<b>Data Analysis</b>		
3:15 PM	Dust Trends	Jenny Hand
3:45 PM	TBD	TBD
<b>Data Processing, Distribution, and Quality</b>		
4:15 PM	FED and NPS AQC&T websites	TBD
4:30 PM	Beyond Level 2 QA	Scott Copeland
<b>Wrap Up</b>		
4:50 PM	IMPROVE Steering Committee business	Scott Copeland
5:05 PM	Mystery Topic	You'll have to be there
<b>5:25 PM Adjourn for the day (group dinner for those interested)</b>		

**Wednesday, November 4th - Business Meeting and Working Group**

<u>Time</u>	<u>Topic</u>	<u>Discussion Leader</u>
<b>Budget</b>		
8:00 AM	Budget analysis	Tony Prenni
8:30 AM	IMPROVE Protocol Site Assessment	Joann Rice
8:50 AM	QAPP	Tony, Scott, Dennis
9:50 AM	Adjourn meeting	Scott Copeland
<b>10:00 AM 3 Hours for site visit and lunch break.</b>		
<b>Optional Working Group Session</b>		
1:00 PM	RHR Tracking Progress Metrics Working Meeting (agenda TBD)	
5:00 PM	End of planned working group session	