



# Autonomous Modular Sensor (AMS) Airborne Science Applications Use Workshop



## Agenda - Thursday, 18 April 2013

### Workshop Focus

*Appraise the natural resource, disaster management and remote sensing community of the capabilities of the NASA AMS sensor integration on the USFS aircraft (Cessna Citation jet) for supporting science / applications uses.*

### Sponsors: NASA & USFS

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### Meeting Venue:

NASA-Ames Research Park; Building 152, Ballroom, Moffett Field, CA 94035

### Thursday 18 April 2012

<b>8:00 AM</b>	Badging / Coffee & Refreshments / Danish	
<b>8:30 AM</b>	Introductions / Safety / Meeting Logistics	V. Ambrosia
<b>8:40 AM</b>	Purpose of workshop	V. Ambrosia
<b>9:00 AM</b>	NASA AMS Transfer to USFS Operations	L. Friedl (NASA) / USFS rep (TBD)
<b>9:30 AM</b>	History of AMS Development	J. Myers (UCSC) (p)
<b>9:50 AM</b>	AMS Configuration (Spectral / Radiometric, etc.)	Hildum / J. Myers (p)
<b>10:15 AM</b>	<b>BREAK (20-minutes)</b>	
<b>10:35 AM</b>	On-Board Processing Capabilities	Hildum / Buechel (p)
<b>10:55 AM</b>	USFS Citation Aircraft Capabilities	T. Zajkowski / D. Johnson (USFS)) (p)
<b>11:15 AM</b>	AMS Integration / Test Flights	W. Smith / C. Kazimir/ T. Hildum (p)
<b>11:40 AM</b>	<b>LUNCH and Viewing of USFS Citation / AMS on Moffett Airfield Ramp</b>	

## AMS WORKSHOP PM SCHEDULE

<b>1:40 PM</b>	Data Telemetry / R/T Product Capabilities	S. Buechel / T. Zajkowski <b>(p)</b>
<b>2:00 PM</b>	USFS Use of AMS: NIROPS Support Forest Health Fire Research Storm Damage Assessment Post Fire / BAER	T. Mellin (USFS-NIFC) <b>(p)</b> J. Ellenwood (USFS) <b>(r)</b> Matt Dickinson (USFS) <b>(r)</b> R. Jacokes (USFS) <b>(p)</b> B. Quayle (USFS-RSAC) <b>(p)</b>
<b>3:00 PM</b>	AMS Henry Coe Prescribed Fire Experiment	W. Schroeder (NOAA) <b>(p)</b>
<b>3:20 PM</b>	<b>BREAK (20 min)</b>	
<b>3:40 PM</b>	AMS / Satellite Fire Energy Cal/Val	D. Peterson (NRL) <b>(p)</b>
<b>4:00 PM</b>	NASA Instrument Payload Module / AMS Flights	D. Mandl (NASA-GSFC) <b>(r)</b>
<b>4:20 PM</b>	Agricultural / Veg Assessment Uses of AMS	(F. Melton / TBD) <b>(p)</b>
<b>4:40 PM</b>	Open Discussion / Community Interest in AMS Sensor & Missions: Identify POC, How to request missions, etc.	
<b>5:15 PM</b>	<b>Close Out</b>	
<b>7:00 PM</b>	<b>DINNER for those staying in area (Venue TBD)</b>	

*\*(p) and (r) denote speaker present (p) and speaker is remote (r)*

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### **NOTES:**

- 1. The USFS / NASA Tactical Fire Remote Sensing Advisory Committee (TFRSAC) will be meeting at the same venue (Bldg. 152) the previous day (17 April 2013) for those interested in participating.*
- 2. For those arriving on 17 April 2013, we will be holding a casual dinner gathering at the Tied House Microbrewery (954 Villa St, Mountain View, California 94041; Phone :(650) 965-2739) in downtown Mountain View, CA (about 2 miles from NASA Main gate) at 7:00 PM. Feel free to join us.*
- 3. No special badging is required for access to NASA-Ames Research Park, except for a Driver's License. Clearances for any Foreign National may take up to a week, so provide any indication of resident status to V. Ambrosia ASAP.*

## **DIRECTIONS TO NASA AMES RESEARCH CENTER**

### **FROM SAN FRANCISCO:**

1. Head **SOUTHBOUND** on Hwy 101 towards Mountain View
2. Take Moffett Blvd. exit (exit 398A).
3. At top of ramp, turn **RIGHT onto Moffett Blvd.**
4. Proceed over Hwy 101, about 0.1 miles to NASA-Ames / Moffett Field Guard Gate / Visitor Badging.

### **FROM SAN JOSE:**

1. Head **NORTHBOUND** on Hwy 101 towards Mountain View
2. Take **Moffett Blvd.** exit (exit 398).
3. At top of ramp, turn **RIGHT onto Moffett Blvd.**
4. Proceed 100 yards to NASA-Ames / Moffett Field Guard Gate / Visitor Badging.

### **FROM EAST BAY (HWY 880 or 680):**

1. Take Hwy 237, **WEST** towards Mountain View.
2. Take **Hwy 101 NORTHBOUND** (towards San Francisco).
3. In ~1.0 mile, Take **Moffett Blvd.** exit (exit 398).
4. At top of ramp, turn **RIGHT onto Moffett Blvd.**
5. Proceed 100 yards to NASA-Ames / Moffett Field Guard Gate / Visitor Badging.

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### **FROM NASA-AMES MAIN GATE to CONFERENCE CENTER (Bld. 152):**

At Main NASA-Ames Research Center Gate, show D/L to guard, inform of travel to meeting in building 152 (Conference Center), Ames Research Park.

1. At Main Gate, you are on Clark Rd. Proceed straight towards base parade grounds.
2. In 0.1 mile, prior to Parade Grounds, turn **RIGHT onto Wescoat Rd.**
3. In 0.3 miles, turn **RIGHT onto Dailey Rd.** (at McCord / Dailey Rd. intersection).
4. In 0.1 mi. the NASA Research Park Conference and Administrative Center (Bldg. 152) is on your right.
5. Park across street from Conference Center.

\*For those staying in the NASA Ames Exchange Lodge (either Bld. 19 or 583a or 583b), you will have to pick up your keys at Bld. 19 (on Clark Road, north-side of Parade Grounds). If you are in 583a or 583b, the rooms are across the street from the Conference Center

## **LODGING OPTIONS**

Twenty rooms are currently held / available (under TFRSAC name) at the NASA Ames Exchange Lodge (<http://exchange.arc.nasa.gov/lodge/index.html>; (650) 603-7100). The “held” rooms are in Building 583a and 583b for ~\$55 night. (100 yards from Bldg. 152, site of workshop). Rooms in Building 583A and 583B are clean, but more spartan. NASA Ames Exchange Lodge (Building 19) does not currently have blocks of rooms available for the dates of the meetings, but may have individual rooms (\$65 / night).

Please contact the NASA-Ames Exchange Lodge directly) if you would like one of the rooms in bldgs. 19, 583a or 583b. Inform them that you want one of the TFRSAC-held rooms. After 1 April 2013, rooms will be available on first-come basis, by calling / web.

### **Additional Lodging Options:**

#### **County Inn**

(1/4 mile from NASA Main Gate): <http://www.countyinn.com/>; (650) 961-113; from \$79/night.

#### **Quality Inn & Suites at NASA-Ames**

(1/4 mile from NASA Main Gate): <http://www.qualityinn.com/>; 650-934-0155; from \$110 / night. Adjacent to Ramada.

#### **Ramada Mountain View:**

(1/4 mile from NASA Main Gate): <http://www.ramada.com/>; 650-967-6856; from ~\$90 / night. Adjacent to Quality Inn and Suites

#### **Hampton Inn & Suites:**

(1.0 mile from NASA Mail Gate): <http://www.hilton.com/>; 650-988-0300; from \$179 / night.