



AEROMMA

DC-8 INSTRUMENT INTEGRATION MEETING

7 FEBRUARY 2023



Agenda

- Mission Registration
- DC-8 QNC Flight Clearance Process
- Logistics
- Aircraft & Instrument Status
- PI Remarks
- Q&A

Mission Registration / ESPO Database

- Registration Deadline: **28 February**
- Deployment/Orientation Guides for both AFRC and WPAFB
- Mission Calendar

DC-8 Flight Clearance Process

https://espo.nasa.gov/aeromma/content/AEROMMA_DC-8_Flight_Clearance

Logistics

- Consumable requirements survey – late February
 - Helium shortage
- Shipping Address to AFRC:

NASA ARMSTRONG
Attn: Jeff Nelms / 661-276-7447
2825 East Ave P
Palmdale, CA 93550

- Shipping to WPAFB: ESPO will ship to and from AFRC

Aircraft & Instrument Status

https://espo.nasa.gov/aeromma/content/AEROMMA_Instrument_Status

Aircraft/Instrument	PI/POC	Status as of 24 Jan
NASA DC-8	Brian Hobbs	maintenance period, everything still on track
ACES - Cavity Enhanced Spectrometer	Carrie Womack	on track
ACOS - Cavity Enhanced Absorption	Andrew Rollins	no updates
AMP - Aerosol Microphysical Properties	Charles Brock	developing a new instrument, not sure if it will be ready for AEROMMA. Rich Moore will install CCN
AOP - Aerosol Optical Properties	Rudra Pokhrel	no updates
b-CIMS - ECCC	John Liggio	received instrument racks last Friday, waiting on heater circuits from the manufacturer. Will finalize pressure schematics this week to send out
BrC-PiLs - Spectro-photometer	Alison Piasecki	all wrapped and ready to go
CAPS -PIP	Bernadett Weinzierl	on track, no pressure system in this instrument
CCN	Richard Moore	part of AMP
CSU-NH3	Ilana Pollack	heater schematics will probably be later than everyone else's
CT-CIMS	John Crouse	re racking instrument into DC-8 high rack
DLH - Diode Laser Hygrometer	Glenn Diskin	on track
HR-AMS - Aerosol Mass Spectrometer	Ann Middlebrook	will be getting new hardware this week
I-CIMS	Michael Robinson	Finalizing heater and pressure diagrams

Instrument Status

Instrument	PI/POC	Status
ISAF - Laser Induced Fluorescence	Glenn Wolfe	on track
iWAS - Integrated Whole Air Sampling	Jessica Gilman	wants to know if they will be sharing a rack
LGR-Picarro	Jeff Peischl	waiting on rack power panels from NASA
LIF-SO2 - Laser Induced Fluorescence for SO2	Andrew Rollins	on track
Li-Neph/TSINeph - Laser Imaging Nephelometer	Adam Ahern	no updates
MASTER	Jeffrey Luvall	no updates
NNOx	Steve Brown	instrument is being rebuilt
NOyO3	Steve Brown	on track
OHR - OH Reactivity	Hendrik Fuchs	on track
OPALS	Mark Zondlo	no updates
PALMS-NG	Daniel Cziczo	on track
PFP	John Miller	no updates
PiS-IC	Amy Sullivan	on track
PTR-ToF	Carsten Warneke	on track, trying to approve designs

Instrument Status

Instrument	PI/POC	Status
S-HIS	Joe Taylor	on track
SP2 - Single Particle Soot Photometer	Shuka Schwarz	no updates
VIA VOCUS - LToF CIMS	Carsten Warneke	on track
4T-sr CCD (J-CAFS)?	Birger Bohn	

ESPO AEROMMA POCs:

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PI Remarks

Q & A

Next meeting: 21 February 2023

