



AEROMMA

DC-8 INSTRUMENT INTEGRATION MEETING

10 JANUARY 2023



Agenda

- Introduction
- Mission Registration
- DC-8 Team Introduction
- Aircraft/Instrument Status & Upload Sequence
- DC-8 Logistics
- PI Remarks
- Q&A

Mission Registration / ESPO Database

- Registration starts Feb 14th
- Registration deadline March 17th

https://espo.nasa.gov/AEROMMA/content/AEROMMA_Participants

ESPO POCs:

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AEROMMA SCHEDULE

Add+ May 2023							« Prev Next »		Add+ July 2023							« Prev Next »	
Go to: May 2023							Go to: July 2023										
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat				
30	1	2	3	4	5	6	25	26	27	28	29	30	1				
	DC-8 Integration 2023-05-01 - 2023-05-31						« DC-8 West Coast	SARP Flight 2023-06-26 - 2023-06-30						Science Cargo Pack Day at Palmdale			
7	8	9	10	11	12	13	2	3	4	5	6	7	8				
« DC-8 Integration 2023-05-01 - 2023-05-31							Science Cargo Pack Day at Palmdale 2023-07-05 - 2023-07-										
14	15	16	17	18	19	20	9	10	11	12	13	14	15				
« DC-8 Integration 2023-05-01 - 2023-05-31							Cargo Transit to WPAFB 2023-07-10 - 2023-07-14										
21	22	23	24	25	26	27	16	17	18	19	20	21	22				
« DC-8 Integration 2023-05-01 - 2023-05-31							Deployment ORR		DC-8 Prof (Day/Night)	DC-8 Prof Backup							
28	29	30	31	1	2	3	23	24	25	26	27	28	29				
« DC-8 Integration 2023-05-01 - 2023-05-31							DC-8 Weight & Balance		DC-8 Pressurization		DC-8 East Coast Urban Science Flight 2023-07-26 - 2023-08-21						
Add+ June 2023							« Prev Next »		Add+ August 2023							« Prev Next »	
Go to: June 2023							Go to: August 2023										
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat				
28	29	30	31	1	2	3	30	31	1	2	3	4	5				
« DC-8 Integration 2023-05-01 - 2023-05-31							DC-8 Weight & Balance		DC-8 Pressurization		« DC-8 East Coast Urban Science Flight 2023-07-26 - 2023-08-21						
4	5	6	7	8	9	10	6	7	8	9	10	11	12				
DC-8 Shake Flight 2023-06-05 - 2023-			DC-8 Check Flight 2023-06-07 - 2023-		DC-8 West Coast Marine Science Flight			« DC-8 East Coast Urban Science Flight 2023-07-26 - 2023-08-21									
11	12	13	14	15	16	17	13	14	15	16	17	18	19				
« DC-8 West Coast Marine Science Flight 2023-06-09 - 2023-06-19							« DC-8 East Coast Urban Science Flight 2023-07-26 - 2023-08-21										
18	19	20	21	22	23	24	20	21	22	23	24	25	26				
« DC-8 West Coast Marine Science		DC-8 West Coast Urban Science Flight 2023-06-20 - 2023-06-25					« DC-8 East Coast Urban Science Flight										
25	26	27	28	29	30	1	27	28	29	30	31	1	2				
« DC-8 West Coast							SARP Flight 2023-06-26 - 2023-06-30		DC-8 Transit to EFD		DC-8 Transit to AFRC		DC-8 De-Integration 2023-08-24 - 2023-08-29				
						Science Cargo Pack Day at Palmdale	« DC-8 De-Integration 2023-08-24 - 2023-08-29										

DC-8 Team Introduction

- AFRC lead for payload integration
- Thomas, Nicki, Dan, Tyler, Jeff, Jasmine, Paul, Brian, Wendy

Aircraft/Instrument Status and Upload Sequence

- High Tempo Ops
- Upload/Integration Sequence:
 - Group 1 (Week 1): AOP, ACOS, DACOM, DLH, LINeph, MMS, NOAA, NOyo3, PALMS-NG, SO2 and TSI
 - Group 2 (Week 2): AMP, BrC-PILS, CARE, ECCC LToF-CIMS, NOAA HR-AMS, NOAA LTOF CIMS, OPALS, PILS, SP2 and MASTER
 - Group 3 (Week 3): CIT-CIMS, CSU-NH3, ISAF, NNOx, NOAA ACES, NOAA LGR GHG
 - Group 4 (Week 4): J-CAFS, NOAA IWAS, NOAA PTR-MS, J-OHR, PFP, S-HIS, 4-Star

Instrument Status

- PIF
- Racks
- Probes
- Fab

DC-8 Logistics

- Visit Request
 - Jasmine Tabla
- QNC Clearances
 - AFRC Medical Office Staffing
 - Jeff / Jasmine
- Chemicals / Gases
- Shipping
 - Racks to instrument teams
 - Instruments to Palmdale

Shipping timeline for German Instrument – J-CAFS and J-OHR

ecoDemonstrator instrument rack availability – timing / schedule impacts.

PI Remarks

Q & A

Next meeting: 24 January 2023

