

Agenda (16 June 2017)

SOCRATES Science Meeting
June 19-22, 2017
Room 3150 (3rd Floor Boardroom), Center Green Building 1, Boulder, CO

Remote Access – Phone: 866.740.1260 Web: www.readytalk.com Access: 4972845

Internet Access – Network: UCAR Guests Password: *kneytbunjo*

Monday 19 June: Overview and Payload Capabilities

Science background – Unanswered Questions, Project Overview, Platform Overview

1:30 - 1:40	Greeting/Logistics	McFarquhar/Moore
1:40 - 1:50	Brief Introductions	All
1:50 - 2:20	Science background – Importance of Southern Ocean Clouds/Hypotheses	McFarquhar
2:20 - 2:40	Science background – Parameterization & Modeling Needs	Bretherton
2:40 - 3:00	Science background – Remote Sensing of SO Clouds	Marchand
3:00 - 3:15	Site Survey Overview	Wolff
3:15 - 3:45	Coffee Break	
3:45 - 4:00	Related Projects: MARCUS	McFarquhar
4:00 - 4:15	Related Projects: MICRE	Marchand
4:15 - 4:30	Overview of G-V (performance, core instrumentation)	Jensen
4:30 - 4:45	G-V Instruments: HCR/HSRL	Vivekanandan
4:45 - 5:00	G-V Instruments: Dropsondes	Hock
5:00 - 5:15	Wrap-Up/Plans for Tomorrow	McFarquhar

Tuesday June 20: Platform and Instrument Capabilities

Morning: Science capabilities and instrumentation (base measurements, requirements, maneuvers/flight requirements, status of instruments, interfaces, calibration, open issues, etc.)

8:30 - 8:45	G-V Instruments: CFDC/IS-Filters/WIBS-4A	DeMott
8:45 - 9:00	G-V Instruments: CCN	Roberts
9:00 - 9:15	G-V Instruments: CVI	Twohy
9:15 - 9:30	G-V Instruments: CLH-2/UHSAS	Toohy
9:30 - 9:45	G-V Instruments: Cloud Probes	Wolff
9:45 - 10:00	G-V Instruments: PHIPS-HALO	Jarvinen
10:00 - 10:30	Coffee Break	
10:30 - 10:45	G-V Instruments: Other Facility Instrumentation	Jensen
10:45 - 11:00	Overview of R/V Investigator and Instrumentation	Protat
11:00 - 11:15	R/V Investigator: ISS	Brown
11:15 - 11:30	NASA Langley Satellite Support	Nguyen
11:30 - 11:45	Science Traceability Matrix	McFarquhar
11:45 - 12:45	Lunch Break (on your own)	

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Afternoon: Flight Planning

12:45 - 1:00	Flight Plans (Curtain Flights)	Wood
1:00 - 1:15	Flight Plans (Targets of Opportunity)	Lasher-Trapp
1:15 - 1:30	Conditions observed during 2016 R/V Investigator Cruise	Mace
1:30 - 1:45	G-V Platform (payload, upload schedule, test flights, transit, crew restrictions for flight planning)	Wolff
1:45 - 2:00	Flight planning tools and Field Catalog	Stossmeister
2:00 - 2:30	Overview of Bureau of Meteorology Support	Carpentier
2:30 - 2:45	Description of input needed by pilots	Wolff/RAF Flt Ops
2:45 - 3:00	Flight planning: General discussion	All
	What conditions do we need for each hypothesis?	
	How do we decide which day to fly?	
	How do we choose orientation/timing of curtain?	
	When to fly flights of opportunity?	
	What data (e.g., Himawari regions) are we going to upload to plane?	
3:00 - 3:15	Coffee Break	
3:15 - 5:30	Dry Run Period 1	All
	Objectives, daily timeline, flight plan comments	
5:30 - 7:00	Reception	

Wednesday June 21: Logistics and Flight Planning

8:30 - 9:00	Discussion on Data Policy and Data Management Policy	McFarquhar/Loehrer
9:00 - 9:30	Educational Component	McFarquhar/Wolff
9:30 - 10:00	Detailed Logistics: Shipping, Hotels, Travel	Wolff
10:00 - 10:30	Coffee Break	
10:30 - 11:00	Logistics for flights (site scientist on ground, selection of site scientist, availability of data, etc.)	Wolff/Stith
11:00 - 11:30	Preparation of Operations Plan	Moore/McFarquhar
11:30 - 12:45	Lunch Break (on your own)	
12:45 - 1:15	Forecasting in the field (procedures)	
1:15 - 5:30	Dry Run Period 2	All
	Forecast, fly/no fly decision, present mock flight plans, etc.	
2:30 - 3:00	Coffee Break	

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Thursday June 22: Dry Run and Meeting Wrap Up

8:30 - 11:30	Continuation of Dry Run	All
10:00 - 10:30	Coffee Break	
11:30 - 12:30	Lunch Break (on your own)	
12:30 - 2:45	Continuation of Dry Run	All
2:45 - 3:00	Coffee Break	
3:00 - 5:00	Meeting Wrap Up & Adjourn	All
	What did we learn from dry run?	
	Are we missing anything from field catalog?	
	General Meeting Action Items (e.g. Ops Plan writing)	
	Anything not covered?	