

ARM

Atmospheric Radiation Measurement Program



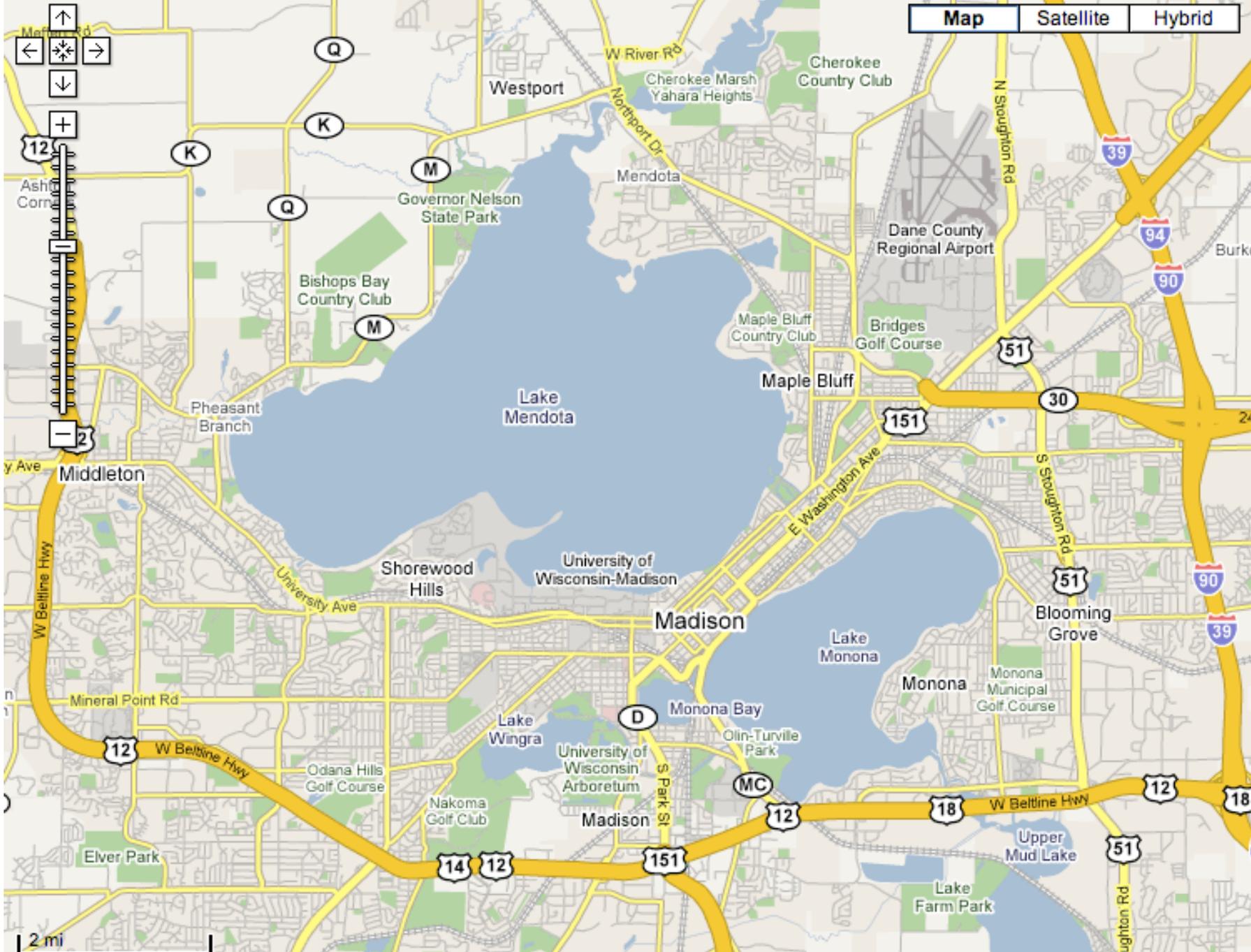
Joint *Radiative Processes Working Group* and *Aerosol Working Group* Meeting



17-19 September 2007



SPACE SCIENCE AND ENGINEERING CENTER
University of Wisconsin-Madison



University of Wisconsin-Madison





Some Thoughts

- Internet access
 - Yes, we have it (wireless)
 - Please be courteous to the speakers
- Main objectives of this meeting are to make recommendations to the ARM infrastructure/management and to coordinate research activities
- Discussions during the meeting are critical!

Agenda Outline

Monday	RPWG Rm 235	AWG Rm 213
	Banquet	
Tuesday	Joint Session Rm 235	
	RPWG	AWG
Wednesday		
	Joint Session Rm 235	

Agenda: Monday (RPWG)

8:30	8:40	Turner	Welcome/logistics
8:40	8:55	Khaiyer	GOES8 VISST and fluxes
8:55	9:10	Oreopoulos	CIRC
9:10	9:25	Long	IR Loss IOP Results
9:25	9:40	Dutton	Diffuse radiation standard
9:40	9:55	McFarlane	Absorption of SW radiation at Manus
9:55	10:30		Coffee break
10:30	10:45	Chiu	Cloud droplet retrievals from SWS
10:45	11:00	Um	Small ice particles in UT clouds
11:00	11:15	Cadeddu	MWR update
11:15	11:30	Westwater	183 GHz results from RHUBC
11:30	11:45	Clough	Half-width of 183 GHz WV line
11:45	12:00	Delamere	Far-IR results from RHUBC
12:00	13:30		Lunch
13:30	13:50	Clothiaux	Volume scanning cloud radar
13:50	14:05	Kassianov	3-D stochastic radiative transfer
14:05	14:20	Marshak	Cloud side remote sensing
14:20	14:35	Ellingson	3-D RT in cumulus, with IR focus
14:35	14:50	Vogelmann	Multiple-scale "babble"
14:50	15:05	Turner	MWR for separating cloud and rain liquid water path
15:05	15:30		Coffee break
15:30	15:45		SWS Update and discussion
15:45	16:15		Discussion on scanning radar / new instruments
16:15	16:30	Turner	RPWG VAP prioritization
16:30	16:45	Vogelmann	CLOWD update
16:45	17:00		Discussion
17:30	18:30		Cash bar / Memorial Union
18:30	21:00		Banquet / Memorial Union

Agenda: Monday (AWG)

8:40	8:50	Turner	Welcome / logistics
8:50	9:05	Schmid	AWG Highlights
9:05	9:30	Kiedron	RSS status and overhaul outline
9:30	9:55	Alexandrov	Characterization of atmospheric aerosols and water vapor at SGP using MFRSR measurements
9:55	10:30		Coffee break
10:30	10:50	Kiedron	In situ verification of MFRSR cosine response via collocated NIMFR
10:50	11:10	Lacis	Using EOF analysis to qualitatively analyze, and identify inhomogeneities in data from ground-based aerosol monitoring instruments
11:10	11:30	Wagener	XDC Aerosol products and special efforts
11:30	12:00	Mlawer	Aerosol input needed for BBHRP
12:00	13:30		Lunch
13:30	13:45	Coulter	MPL status
13:45	14:15	Ogren	AOS updates, IAP proposal
14:15	14:35	McComiskey	Aerosol direct forcing PI product
14:35	15:00	Collins	SGP Chamber Experiment during CLASIC
15:00	15:30		Coffee break
15:30	15:50	Collins	SGP TDMA
15:50	16:10	Newsom	RL Update
16:10	16:25	Schmid	Vertical profiles of aerosol direct radiative forcing
16:25	16:40	Flynn	MPLpol evaluation product
16:40	17:00	Flynn	4STAR prototype

17:30 18:30 Cash bar / Memorial Union

18:30 21:00 Banquet / Memorial Union

Agenda: Tuesday (Joint Session)

8:30	8:50	Hodges	MFRSR, IAP MFR
8:50	9:05	Long	Surface Albedo VAP
9:05	9:20	Flynn	Aerosol best-estimate and vertical profiles
9:20	9:50	Delamere	SW QME effort and discussion
9:50	10:05	Marshak	SWS spectral signature of transition btwn clr/cldy
10:05	10:30		Coffee break
10:30	10:45	McComiskey	Indirect radiative forcing at Pt. Reyes
10:45	11:00	McFarlane	RADAGAST update
11:00	11:25	Li	Update of AMF and retrieving single scatter albedo in China
11:25	11:40	Wiscombe	Sunset Committee deliberations
11:40	11:55	Long	AMF VAP discussion
11:55	12:30		Joint discussion between working groups
12:30	14:00		Lunch
14:00	15:00	Mather	Instrument coordinator presentation
15:00	15:15	Schmid	ARM Vehicle Program overview
15:15	15:30	McFarquhar	ARM Aerial Vehicle Program guidance
15:30	15:55		Coffee break
15:55	17:30	Turner/Long	Discussion of RPWG recommendations for IOPs, instruments, VAPs, homepage, nuggets, etc.
15:55	17:30	Flynn/Schmid	AWG recommendations, prioritization for instrumentation, measurement foci, VAPs, wiki

Note that the WGs separate after afternoon coffee break...

Agenda: Wednesday

Note that the WGs come together after morning coffee break

8:30	10:15	Turner/Long	RPWG discussions (continued)
8:30	10:15	Schmid/Flynn	AWG discussions (continued)
10:15	10:45		Coffee break
10:45	11:00	Ghan	Introduction to Indirect Effects session (joint session)
11:00	11:15	Ogren	CLASIC results
11:15	11:30	Collins	CLASIC airborne results
11:30	11:45	Ferrare	CLASIC Lidar results
11:45	12:00	Min	Improved retrievals of OD for optically thin clouds using MFRSR measurements
12:00	13:30		Lunch
13:30	14:15	Ghan	ISDAC / RISCAM discussions
14:15	14:30	Min	Evidence of mineral dust altering cloud microphysics and precipitation
14:30	14:45	Kassianov	Cumulus AIE study
14:45	15:00	Vogelmann	Arctic AIE, longwave and shortwave impacts
15:00			Meeting adjourned

Thank You for Coming!

Let's have a great meeting!

If you have any questions, please find me, Maria Vasys,
or anyone from Univ. Wisconsin - Madison