

WVIOP 2000 Status: Saturday, 30 September

Science Discussions

Frank G. showed results from the data plane's flights of yesterday; Wayne Feltz presented data from the MWR calibrations (adding J-unit data), and Dave Whiteman showed comparisons between GSFC RAMAN lidar compared with the CART RAMAN lidar. Yong Hang showed tip calibrations intercomparing instantaneous vs 10-day mean. The group decided that there would be no meeting tomorrow (Sunday October 01). The DIAL group will not run tomorrow.

Weather

Slightly Cooler, scattered cirrus overcast increasing through the day, winds gusty. Temperatures mid-80's.

INSTRUMENT	STATUS/COMMENTS
<u>Microwave</u>	
CART CF (23.80/31.4 GHz)	OK
CART Spare (23.80/31.4 GHz)	OK
NOAA-CSR (20.6/31.65 GHz)	Went down overnight
NOAA-PSR (18/21, 10,37, 89 GHz with polarization)	OK
U of L'Aquila, Italy (23.8, 31.6, 53.5, 55.5, 58.0 GHz)	Not operating
JPL J-Unit (20.7, 22.2, 31.4 GHz)	OK
<u>Lidar</u>	
CART Raman WV (CARL)	OK
NASA, Scanning Raman WV (SRL)	YAG operating 5pm through 8pm; scanning excimer operating through to sunrise
Max Planck Inst DIAL WV	OK. Optical amplification was set too high yesterday; electronic amplification needed to be increased as a result, increasing noise. Still lower than previous CART deployment. Turned off at midnight to comply with FAA request.
NASA HARLIE, cloud lidar	Turned off at midnight to comply with FAA request
CART MPL, cloud lidar	OK
<u>BBSS (CART)</u>	
Central Facility, Digi-CORA	OK
#2, PC-CORA	OK

BBSS Launch Site Refs.

THWAPS	OK
Chilled Mirror	OK

Tower In Situ Sensors

CART 60m HMP 35 South,10x	OK
CART 60m HMP 35 North	OK
CART 25m HMP 35 South,10x	OK
CART 25m HMP 35 North	OK
Chilled mirror 60m	Data link down
OK MESONET 60m	Data link down
Chilled mirror 25m	OK
OK MESONET 25m	OK
SMOS (CART)	OK

DataPlane

T, RH, P – tower to 1 km	Operated to 900mb Friday night, flew for over an hour after 6:30 pm.
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AERI

CART (AERI-01)	OK
Prototype (AERI-00)	Not operating

GPS

Central Facility	OK
Lamont NOAA	OK

Sun Photometer/Spectrometer

MFRSR N1(CART)	OK
MFRSR/RSS (Albany)	OK
Cimel Sunphotometer	OK
NASA AATS-6 channel	Turned off at midday Saturday due to cloud cover

Proteus Aircraft

Due in Stillwater Sunday

NAST-I	Expected first flight Monday/Tuesday
NAST-M	Expected first flight Monday/Tuesday
FIRSC	Not expected to fly

Wayne Feltz and Brian Osborne, University of Wisconsin