

### MISSION SUMMARY – CU INSTRUMENTS

Deployment (date/time):	START 2012-01-16 1230 UTC END 2012-01-16 2245 UTC
Author:	Evan Kalina
Instrument status:	
Disdrometer CU01	Down for repairs
Disdrometer CU02	Normal operation
MRR	Started late at 1750 UTC, then normal operation
Radiometer	Normal operation, neural network needs to be adjusted (postprocessing), only level 02 data useful
Changes to initial deployment strategy (e.g., resolution, range):	MRR was switched to normal height resolution of 200 m at 1803 UTC (the instrument defaulted back to 35 m resolution when it was started at 1750 UTC).
IOP type:	<input type="checkbox"/> Single UWKA flight IOP <input checked="" type="checkbox"/> Double flight IOP <input type="checkbox"/> Single-generator, single-flight IOP <input type="checkbox"/> Blowing Snow IOP <input type="checkbox"/> Surface instrument only IOP (WWMPP IOP)
Weather:	<p>Alternating periods of light/moderate snowfall and no precipitation from 12-18 UTC. Bursts of snowfall were immediately preceded by increased LWC, cooling of the column, and (presumably) upward vertical motion (judged from the radiometer data). At ~18 UTC, there was a cold frontal passage, which was accompanied by a band of heavy, pea-sized graupel from 1807 to 1809 UTC. The MRR recorded a peak reflectivity of 40-45 dBZ in this band. Thereafter, moderate to heavy snowfall occurred until ~21 UTC, at which point the snow continued light through the end of the IOP. Temperatures fell rapidly following the frontal passage, and the wind switched from very strong at 240 degrees to a lighter, northwesterly wind.</p>

Mission Summary – ASCII 4 January: 15 March 2012, Battle Pass Site, Wyoming

Default Deployment Strategy:

	Time resolution	Range resolution	Max range
CU01	10 s	N/A	N/A
CU02	10 s	N/A	N/A
MRR	1 min	200 m	
Radiometer	1 min	500 m	10 km AGL