

### MISSION SUMMARY – CU INSTRUMENTS

Deployment (date/time):	START 20120119 1500 UTC END 20120119 2040 UTC
Author:	Evan Kalina
Instrument status:	
Disdrometer CU01	Down for repairs
Disdrometer CU02	Normal operation
MRR	Normal operation
Radiometer	Normal operation
Changes to initial deployment strategy (e.g., resolution, range):	MRR 150 m height resolution
IOP type:	<input checked="" type="checkbox"/> Single UWKA flight IOP <input 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>Supercooled liquid water and ice crystals observed throughout the IOP. Radiometer and disdrometer became heavily rimed overnight and were melted off with a hair dryer before the IOP started. This process was repeated several times during the IOP. Dominant wind direction at IOP start was 245 deg. At 1600 UTC, 700 mb temperature was -4.5 degC. This was technically too warm for an IOP, but the UWKA was flown as scheduled.</p> <p>UWKA flight aborted at 1730 UTC before seeding began due to heavy in-flight icing. 700 mb temperature at 1730 UTC had warmed to -3.9 degC. Generators were nevertheless switched on at 1800 UTC and IOP continued. Riming intensity decreased briefly after 1800 UTC, with MRR showing less than 10 dBZ in the</p>

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

	vertical, and then increased to ~15 dBZ surface and aloft between 1845-1930, after which precipitation decreased again. No MRR reflectivity above 1500 m AGL during entire IOP. Little if any snow observed.
--	--

### 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