

# Summit Station Weekly Science Report

**Reporting Period:** Aug. 26-Sep 1, 2013

**Completed by:** Shawntel Stapleton, David Benson, Lana Cohen

**Comments:** This week we have continued to move and organize supplies, assist in camp cleanup and tasking, make further progress on unfinished projects. We are still working on station close tasking, and once that is complete, we will begin to settle into a winter routine.

The first photo below is Dave and Shawntel in the process of Winter-over Tower Rescue Training.

The second photo is the most recent (8/29) Ozonesonde launch at sunset (The balloon and package are in the upper left corner).





Please visit the clean air log at

<ftp://ftp.summitcamp.org/pub/data/GEOSummit/Clean%20Air%20Traffic/>

Facilities	Comment
TAWO	
MSF	
Green House	
Experiment	Notes
NOAA CATS GC	Comment: % of time operating: 100%
NOAA CCGG flasks	Comment: Sample collection date(s): 8/27/2013
NOAA HATS flasks	Comment: Sample collection date(s): 8/27/2013
NOAA Surface Ozone	Comment: % of time operating: 100%

	Data on ftp server: 8/19/2013
NOAA Aethelometer	Comment: Was taken offline on 8/18/2013, in order to access NOAA Met Suite connections. Will be put back online when NOAA Met installation is complete. % of time operating: 0% Data on ftp server: n/a
NOAA Met Suite	Comment: In the process of diagnosing wiring issues, connecting and calibrating the windbirds and RTD unit. % of time operating: 60%
NOAA Ozonesonde	Comment: Dual launch with ICECAPS radiosonde throughout the summer months. Date launched: 8/29/2013
NOAA Clidar	Comment: Not collecting data. % of time operating: 0%
NOAA CLAP/PSAP/Neph	Comment: % of time operating: 100%
NOAA Radiometers	Comment: % of time operating: 100%
NOAA Firn Air Sampling	Comment:
Radionuclide filter	Comment: % of time operating: 100%
Aerosol DRUM sampler	Comment: Taken offline and returned to PI. % of time operating: 0%
UCM Surface Samples	Comment: Delays due to North winds. Sample collection date(s): 8/27/2013 Data on ftp server: 8/27/2013
DRI Surface Samples	Comment: Sample collection date(s): 8/27/2013 Data on ftp server: 8/27/2013
UCM Snow Pit	Comment: Sample collection date: 8/13/2013
UCM String Pit	Comment: Last laid String 8/7/2013. Measurement date:
Bamboo Forest	Comment: Observation date: 8/28/2013 Data on ftp server: 8/28/2013
ICESat accumulation	Comment: Observation date: 8/23/2013
BSI UVSIMN	Comment: % of time operating: 100%
Hanka Seismometer	Comment: % of time operating: 100%
UNAVCO	Comment:
Helmig GC	Comment: % of time operating: 100%
Kramer NOx	Comment: % of time operating: 100%
Feng Sampling	Comment:

	Sample collection date(s): Site visited daily, samples collected when appropriate.
Noone Snow Sampling	Comment: Sample collection date(s): Site visited daily, surface samples collected daily, drift and rime samples collected when appropriate.
Noone Tower Instruments	Comment:
Hamilton Polarsondes	Comment: Date launched:
Steffen Tower Instruments	Comment: Data on ftp server: 8/26/2013
Steffen Solar Instruments	Comment: Data on ftp server: 8/26/2013
Total Sky Imager	Comment: % of time operating: 100%
ICECAPS Radiosonde	Comment: 8/31 Morning sonde data (12Z) not sent due to Greenhouse internet outage. Dates launched: Twice daily radiosonde launches; dual launch once per week with ozonesonde.
ICECAPS MWR	Comment: % of time operating: 100
ICECAPS SODAR	Comment: % of time operating: 100
ICECAPS POSS	Comment: % of time operating: 100
ICECAPS MMCR	Comment: % of time operating: 100
ICECAPS CAPABL	Comment: Computer and data acquisition program issues causing significant data collection gaps. Troubleshooting is ongoing... % of time operating: 50
ICECAPS MPL	Comment: % of time operating: 100
ICECAPS Ceilometer	Comment: % of time operating: 100
ICECAPS PAERI	Comment: Intermittent cooler current issue is ongoing. Outside fan got unplugged by high winds on 8/29. % of time operating: 100
ICECAPS IcePIC	Comment: 8/29 1345Z pics taken during precipitation event. % of time operating:
ASIAA MWR	Comment: % of time operating: 100