

Summit Station Weekly Science Report

Reporting Period: Aug. 19-25, 2013

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Comments: This week began with the final flight of the summer season. We were able to get quite a bit of retro items off of station, including the years worth of various snow samples and another box of HATS samples.

We now are a population of five, with our new manager and ICECAPS tech. This week we have been working on odds and ends. We have been moving and organizing supplies, assisting in camp cleanup, continuing winter-over training and turnover with the ICECAPS tech, and are completing unfinished projects. We are in the process of wiring and calibrating the NOAA windbirds and new RTD, which includes a fair amount of tower work to mount accurately, line the cables, and collect and correct for calibrations. We have been raising the measurement poles of all of the UCM snow accumulation sights, mainly ICESat and the Bamboo Forest.

Overall, things are running well and we have a great winter crew.

The first photo below is pre-TAWO raise, the buried lower section of the stairs had to be dug out, and since we are right at the clean air sector, it was all done by shovel!

The second photo is the last Guard plane of the 2013 summer season, (an eight prop).





Please visit the clean air log at <ftp://ftp.summitcamp.org/pub/data/GEOSummit/Clean%20Air%20Traffic/>

Facilities	Comment
TAWO	Received updated NOAA Met equipment and mounts, are in the process of wiring, calibrating and preparing to install 2 windbirds and another RTD.
MSF	
Green House	
Experiment	Notes
NOAA CATS GC	Comment: % of time operating: 100%
NOAA CCGG flasks	Comment: Sample collection date(s): 8/19/2013
NOAA HATS flasks	Comment: Sample collection date(s): 8/19/2013
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 wiring, 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: 8/22/2013
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: Sample collection date(s): 8/19/2013 Data on ftp server: 8/19/2013
DRI Surface Samples	Comment: Sample collection date(s): 8/19/2013 Data on ftp server: 8/19/2013
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: Raised all of the bamboo poles and recorded new heights. Observation date: 8/21/2013 Data on ftp server: 8/21/2013
ICESat accumulation	Comment: Raised all of the ICESat flags and recorded new heights. 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: Installed repaired MPS.
Hamilton Polarsondes	Comment: Date launched:
Steffen Tower Instruments	Comment: Data on ftp server: 8/19/2013
Steffen Solar Instruments	Comment:

	Data on ftp server: 8/19/2013
Total Sky Imager	Comment: % of time operating: 100%
ICECAPS Radiosonde	Comment: Dates launched: Twice daily radiosonde launches
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: Pls still working bugs out with software/OS; hardware reconfiguration of laser and optics all working well. % of time operating: 80
ICECAPS MPL	Comment: % of time operating: 100
ICECAPS Ceilometer	Comment: Files not written during one day. % of time operating: 85
ICECAPS PAERI	Comment: Several brief data dropouts during 8/21 (reason unknown). % of time operating: 99
ICECAPS IcePIC	Comment: Images taken during precipitation and diamond dust events this week. % of time operating: --
ASIAA MWR	Comment: % of time operating: 100