

Summit Station Weekly Science Report

Reporting Period: Oct. 7- Oct. 13, 2013

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Comments: Things ran smoothly this week and besides our daily science tasking we all helped considerably with station tasking, like pushing snow, creating a berm map, working on equipment and more. We are also continuing to prep for the upcoming turnover with the new techs, including cleaning things up and making sure station is ready and we are ready for the next crew. We still have sunlight throughout the day, but the days are getting shorter. We've had a few high wind storms this last week, and it appears as though the Green House grounding resolution worked, in other words, our wireless bridge was not fried.



Night sky Oct 2, 2013. Photo: David Benson.

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

Facilities	Comment
TAWO	Power outage on 10/9 lasting ~8 min. TAWO systems only partially supported by UPS-- Kramer NOx system and NOAA CLAP affected.
MSF	All systems at MSF supported by UPS during power outage.
Green House	Radiosonde & BSI systems supported by UPS during power outage.
Experiment	Notes
NOAA CATS GC	Comment: % of time operating: 100%
NOAA CCGG flasks	Comment: Sample collection date(s): 10/7/2013
NOAA HATS flasks	Comment: Sample collection date(s): 10/7/2013
NOAA Surface Ozone	Comment: % of time operating: 100% Data on ftp server: 10/7/2013
NOAA Aethelometer	Comment: % of time operating: 100% Data on ftp server: 10/7/2013
NOAA Met Suite	Comment: 10M wind bird is online and running. We are on standby for diagnosing issues for the new wind bird until NOAA has reopened. % of time operating: 100%
NOAA Ozonesonde	Comment: Dual launch with ICECAPS radiosonde. Changed to morning launches due to lack of sunlight in the evenings. Date launched: 10/10/2013
NOAA Clidar	Comment: Replaced ethernet cable; fixed power cable. Clidar is taking images, but still needs to be aligned to lidar and needs new filter. % of time operating: 0%
NOAA CLAP/PSAP/Neph	Comment: CLAP had off readings after power outage, advanced filter spot and all were reset to normal status. % 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): 10/08/2013, 10/11/2013 Data on ftp server: 10/08/2013, 10/11/2013
DRI Surface Samples	Comment: Sample collection date(s): 10/08/2013

	Data on ftp server: 10/08/2013
UCM Snow Pit	Comment: Sample collection date: 9/23/2013
UCM String Pit	Comment: Last laid String 10/01/2013. Measurement date:
Bamboo Forest	Comment: Observation date: 10/10/2013 Data on ftp server: 10/10/2013
ICESat accumulation	Comment: Observation date: Last ICESAT 9/20/2013
BSI UVSIMN	Comment: Absolute scan performed on 10/08/2013. % of time operating: 100%
Hanka Seismometer	Comment: % of time operating: 100%
UNAVCO	Comment: Base Station was fried during high wind event, due to inadequate grounding. A new Base Station and surge protector are being sent up at the end of October.
Helmig GC	Comment: % of time operating: 100%
Kramer NOx	Comment: % of time operating: 100%
Feng Sampling	Comment: Sample collection date(s): October 8, 9, 10, 12, & 13th
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: Sonde supplies are available and ready for launch when conditions are appropriate (heavy overcast cloud). Date launched:
Steffen Tower Instruments	Comment: Data on ftp server: 10/7/2013
Steffen Solar Instruments	Comment: PFR offline for winter. Data on ftp server: 10/7/2013
Total Sky Imager	Comment: Offline for winter. % of time operating:
ICECAPS Radiosonde	Comment: Changed desiccant in sonde conditioning unit. Dates launched: Twice daily radiosonde launches; Thurs morning dual launch with ozonesonde.
ICECAPS MWR	Comment: % of time operating: 100
ICECAPS SODAR	Comment: Cleaned snow out of enclosures 10/12. % of time operating: 100
ICECAPS POSS	Comment: % of time operating: 100



ICECAPS MMCR	Comment: % of time operating: 100
ICECAPS CAPABL	Comment: Restarting computer every other day to minimize data loss. % of time operating: 100
ICECAPS MPL	Comment: % of time operating: 100
ICECAPS Ceilometer	Comment: % of time operating: 100
ICECAPS PAERI	Comment: 10/9 Tested hatch controller. % of time operating: 100
ICECAPS IcePIC	Comment: Pics taken on 9 th , 10 th , 12 th . % of time operating:
ASIAA MWR	Comment: % of time operating: 100