

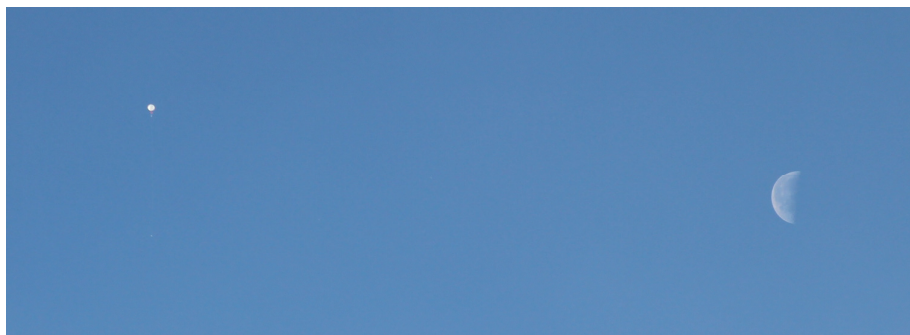
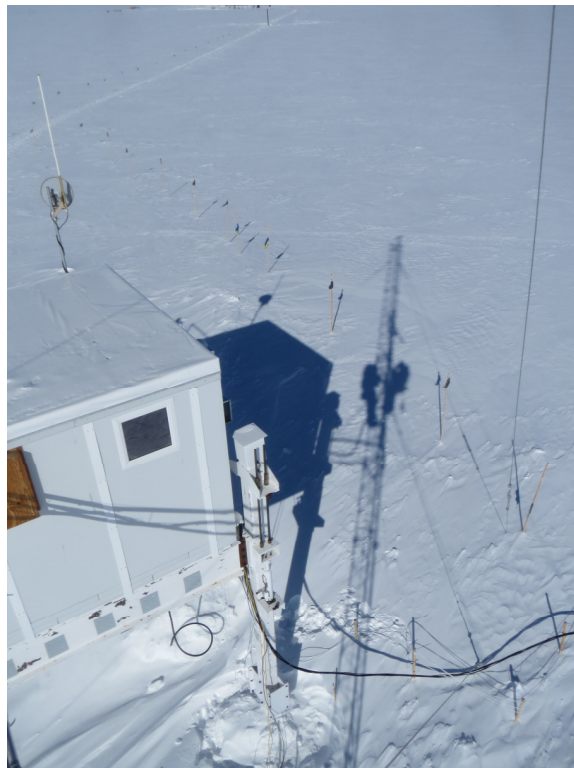
Summit Station Weekly Science Report

Reporting Period: Sept 23-Sept 29, 2013

Completed by: Shawntel Stapleton, David Benson, Lana Cohen

Comments: This week had mixture of high winds, north winds and nice days, though decreasing temperatures. A grounding line has now been installed from the Green House to the Big House which will hopefully mitigate the static discharge issues at the Green House (which resulted in frying 3 wireless bridges and the GPS base station over the past month). We re-installed the wireless network bridge at the Green House and removed the ethernet cable link to the Big House. We are gradually finishing up station clean up, though there is still plenty of snow to be moved. There are also plenty of odds and ends we have been taking care of this week, including a thorough compressed gas cylinder inventory and swapping out a cage of helium cylinders at the SOB.

The top photo is of the shadows of Shawntel and Dave doing some tower work out at TAWO; the bottom photo is of the moon and a radiosonde balloon just after launch.



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

Facilities	Comment
TAWO	We adjusted the rack system with various instruments in it, so we could access the ZENO without needing to shut down any instruments, as we previously needed to do.
MSF	Station-wide power outage 9/27, 12.00UTC lasting ~1 min. All systems at MSF supported by UPS.
Green House	Installed a grounding line to the Big House; re-installed wireless network bridge at GH. Internet outage at GH 9/27 ~12.00-12.30UTC due to power outage (network switch needed to be rebooted).
Experiment	Notes
NOAA CATS GC	Comment: % of time operating: 100%
NOAA CCGG flasks	Comment: Sample collection date(s): 9/23/2013
NOAA HATS flasks	Comment: Sample collection date(s): 9/23/2013
NOAA Surface Ozone	Comment: % of time operating: 100% Data on ftp server: 9/23/2013
NOAA Aethelometer	Comment: % of time operating: 100% Data on ftp server: n/a
NOAA Met Suite	Comment: 10M wind bird is online and running. We are continuing to diagnose issues for the new wind bird. % 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: 9/26/2013
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: Delay of second sample, due to North winds.

	Sample collection date(s): 9/23/2013 Data on ftp server: 9/23/2013
DRI Surface Samples	Comment: Sample collection date(s): 9/23/2013 Data on ftp server: 9/23/2013
UCM Snow Pit	Comment: Sample collection date: 9/23/2013
UCM String Pit	Comment: Last laid String 9/2/2013. Measurement date:
Bamboo Forest	Comment: Observation date: 9/25/2013 Data on ftp server: 9/25/2013
ICESat accumulation	Comment: Observation date:
BSI UVSIMN	Comment: Absolute scan performed on 9/25/2013. % 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): Sept 24, 25, 26 & 29 th .
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: 9/23/2013
Steffen Solar Instruments	Comment: Data on ftp server: 9/23/2013
Total Sky Imager	Comment: Offline for winter. % of time operating:
ICECAPS Radiosonde	Comment: Dates launched: Twice daily radiosonde launches; Thurs morning dual launch with ozonesone. Helium cylinder swap—20 full cylinders moved into SOB, 16 empties moved out to berm (1 cage). 9/25 Morning sonde (12Z) data not sent to GTS.



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: Ongoing work by PIs to fix software/OS issues. % of time operating: 90
ICECAPS MPL	Comment: Afterpulse calibration performed 9/25. % of time operating: 100
ICECAPS Ceilometer	Comment: % of time operating: 100
ICECAPS PAERI	Comment: % of time operating: 100
ICECAPS IcePIC	Comment: Pics taken 9/23 & 9/24. % of time operating:
ASIAA MWR	Comment: Computer clock sync issue on 9/29; rebooted radiometer and restarted acquisition. % of time operating: 95