

Summit Station Weekly Science Report

Reporting Period: Sept 30-Oct. 6, 2013

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Comments: This week had mixture of high winds, north winds and our coldest days so far. We are gradually finishing up station clean up, there is still plenty of snow to be moved, but much of the equipment will soon be winterized due to steady low temperatures. We are prepping for the upcoming turnover with the new techs in a little over two weeks, and have been cleaning things up and making sure station is ready and we are ready for the next crew. The clear skies this week have made for some stunning sunrises and good aurora viewing. (Photo of MSF Lidar and auroras by David Benson.)



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

| Facilities | Comment |
|------------------------|---|
| TAWO | |
| MSF | Network outage on 10/5 ~1.00-10.00UTC delayed some of the ICECAPS nightly data transfer until 10/6. |
| Green House | Correction to last weeks weekly, the installed a grounding line was directly to the generators and not to the Big House. |
| Experiment | Notes |
| NOAA CATS GC | Comment: % of time operating: 100% |
| NOAA CCGG flasks | Comment: Sample collection date(s): 9/30/2013 |
| NOAA HATS flasks | Comment: Sample collection date(s): 9/30/2013 |
| NOAA Surface Ozone | Comment: % of time operating: 100% Data on ftp server: 9/30/2013 |
| 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 o 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: 10/03/2013 |
| 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): 10/01/2013, 10/04/2013 Data on ftp server: 10/01/2013, 10/04/2013 |
| DRI Surface Samples | Comment: Sample collection date(s): 10/01/2013 |

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| | Data on ftp server: 10/01/2013 |
| 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: 10/02/2013 Data on ftp server: 10/02/2013 |
| 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): Oct 1 st & 2 nd |
| 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: 9/30/2013 |
| Steffen Solar Instruments | Comment: PFR offline for winter. Data on ftp server: 9/30/2013 |
| Total Sky Imager | Comment: Offline for winter. % of time operating: |
| ICECAPS Radiosonde | Comment: Dates launched: Twice daily radiosonde launches; Thurs morning dual launch with 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: |



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| | % of time operating: 100 |
| ICECAPS CAPABL | Comment: % of time operating: 90 |
| ICECAPS MPL | Comment: % of time operating: 100 |
| ICECAPS Ceilometer | Comment: % of time operating: 100 |
| ICECAPS PAERI | Comment: % of time operating: 100 |
| ICECAPS IcePIC | Comment: Pics taken 10/4 % of time operating: |
| ASIAA MWR | Comment: % of time operating: 100 |