Site Report v.1.1

# Site:

Date: June 17, 2013

## Site layout

## Configuration of references:

Covering: gauge used, heating (hardware, algorithm), sampling strategy, physical configuration (height, shields, etc):

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reference type | Gauge | heating | shield | Data sampling interval | Sampling strategy | Output interval | Height of the rim |
| R1 |  |  |  |  |  |  |  |
| R2 |  |  |  |  |  |  |  |
| R3 |  |  |  |  |  |  |  |

## Changes made during the season 12/13, if any.

List changes made to the reference configuration from Dec 01, 2012 to April 30, 2013, indicating the reason and the impact.

## Issues: heating, data quality, vibrations, capping;

Issues noted during the operating of the site related to:

* Heating
* Capping
* Vibrations of the mast
* Vibration of the gauge
* Orientation
* Grounding
* Length and type of cables and connections used
* Materials
* Data sampling
* Data output
* Data quality
* Instrument specific issues
* Other issues

## Heating report:

* + 1. Summary of configurations throughout the winter of 12/13:
       - 1. Hardware:

how was implemented;

power applied;

* + - * 1. software:

upper limit temperature:

lower limit temperature

heating interval

other factors considered.

* + 1. Summary of changes made during the season
    2. Effects noted: e.g. not sufficient melting of snow, too much or not enough heat, evaporation, degrading of gauge performance, increased level of noise; need to extend heating to additional surfaces, etc.
    3. Capping: noted, suspected; signature?
    4. Changes needed for the future?
    5. Provide pictures!
    6. Any other topic of challenge with impact on data, specific to your experience.

## What has worked well;

## What has not worked that well: lessons learned;

## Data available:

* + 1. # of days of data collected for each sensor on site
    2. Data transmitted to NCAR
    3. Data QC’d
    4. Issues in data

## Instruments under test: list, issues

* Have you had problems with the instruments under test?
* Have all instruments allocated to your site from Instrument Providers, been installed?
* Has the data been shared with the Instrument Providers?
* Have them visited the site?

## Information on the Precipitation Detector(s) used;

experience regarding their ability to detect precipitation (if applicable)

## Commissioning:

* date;
* configuration at commissioning,
* availability of report.

## Results to date:

* summary of preliminary results, if available.
* Plans for data analysis: focus, interests, timelines, plans, etc….

## Interaction Site manager and the IOC and Project team

* interactions,
* information sharing,
* feedback, etc…

## Small things, big impacts?

What can we do differently?