

SPADE Minutes - May 31st (Notetaker Juris Almonte)

Participants: Julie, Stephen, Dave, Juris

Where to install instrumentation?

- Two main locations
 - Fortress Mountain is one location
 - Lidar to be installed
 - Need to confirm the number of sites we will have (sometime in June)
 - 2 main sites, and other sites with precipitation gauges and may met station
- How much power do we need to run MRR (*Dave Hudak to ask technician*)
 - Important for sites other than Fortress
 - MRR to run for two months during field campaign
- Most other instruments can be run with solar panel
- NCAR possibly providing 2 MRRs
 - Might be last minute availability
- Geonors installed on a west-east transect across the continental divide

- Kootenay Crossing (Parks Canada site) → possible site for MRR
 - Easy access off the highway
 - Reliable power through generator
 - Have cabins
 - Just on the western divide of the crossing
 - Permits required

- Storm Mountain Lodge
 - On the continental divide
 - Install geonor
 - shield is noisy

- Hay meadow just north of gas station and at same elevation
 - How different is weather and precipitation accumulation (*Need to ask John*)
 - If it is the same, no need to install instrumentation

Instrumentation

- NCAR has some geonors that can be made available
- Stephen is buying a Geonor
- ECCC to provide: MRR, lidar, weather station
 - Do we need the weather station?
 - Base of fortress mountain at gas station possible site for weather station
 - Need to contact gas station for site installation
- Parsivel Disdrometer (*Dave to confirm availability*)

- Parsivel is not currently non-operational at Fortress Mountain
- UQAM Parsivel shipped to western side, but might have to use at Fortress if technicians cannot fix the currently broken one

Visit in Fall 2018

- Site visit in the early fall (~September)
 - Dave to confirm when technicians have time to visit site
- Ready to employ weather station (3 m tripod) in the fall with the geonor precip. gauge
 - Make sure eastern site is equipped with similar configurations as Fortress Mountain for consistency
- National Park permit for installation of instrumentation (*Juris to look at*)
 - No known issues in the past with past MRR installations from ECCC
 - No noise from MRR to disturb animals
- Map of locations for possible sites for Dave (a week from today) → *Juris to create plot*
- Spring 2019 (likely April) ECCC technicians to install instrumentation

Round Table

- Stephen:
 - Geonor for western site and campbell scientific weather station is being ordered

Next meeting: **June 21st 11 AM Eastern Time**

<https://gwf-spade.weebly.com/>