

## **Rapporteur Report/ Charles Gatebe**

Leveraging existing partnerships/networks  
Chairs, McKenzie Skiles & Dan McGrath;

Date: Tuesday, September 17, 2019

Time: 3:30-5:05 pm

5 Speakers:

Kat Boman/JPL: A title: SO Update

Eli Deeb/CRREL: title: CRREL snow remote sensing campaigns and collaboration  
Possibilities

Carrie Olheiser/National Operational Hydrologic Remote Sensing Center, National Weather  
Service - title: NOHRSC Activity

Drew Taylor - title: Airborne FMCW Radar

Rajat Bindlish/NASA GSFC -- title:Leveraging Cubesat SoOp observations for SnowEx

David Shean/University of Washington -- title: Commercial satellite stereo DEM observations  
for snow depth

Jared Entin/NASA HQ -- title: Comments on SnowEx partnerships.

### Questions & Discussions:

1. There were questions about the availability of the ASO data, especially the spectrometer data. The ASO team confirmed they are working out some issues and planning to transfer their data to NSIDC in the near future.
2. Questions on the Snow Data Assimilation System (SNODAS) were raised as to whether SnowEx sites could be used for validation.
3. Some participants expressed interests in airborne Gamma snow water equivalent measurements across Alaska for a future SnowEx campaign in the region.
4. The community was advised to consider existing data sets that can be leveraged in planning for future SnowEx campaigns
5. The community was advised to form partnerships that will help bridge identified gaps and not the ones that would create new challenges. Several successful models were mentioned: the Surface Water and Ocean Topography (SWOT) mission, which is a future satellite jointly developed by NASA and CNES, the French space agency, in partnership with the Canadian Space Agency and UK Space Agency. Another example, NASA-ISRO SAR Mission (NISAR), which is a dedicated U.S. and Indian InSAR mission, in partnership with ISRO.

6. There were animated discussions on snow albedo and the SBG mission. The SBG is the Surface Biology and Geology designated observable identified in the NRC 2017 Decadal Survey. The community was encouraged to involved in the SBG studies that began in October 2018 and slated to last three years.
7. College students were asked to identify at least one SnowEx field campaign that they would like to involved.