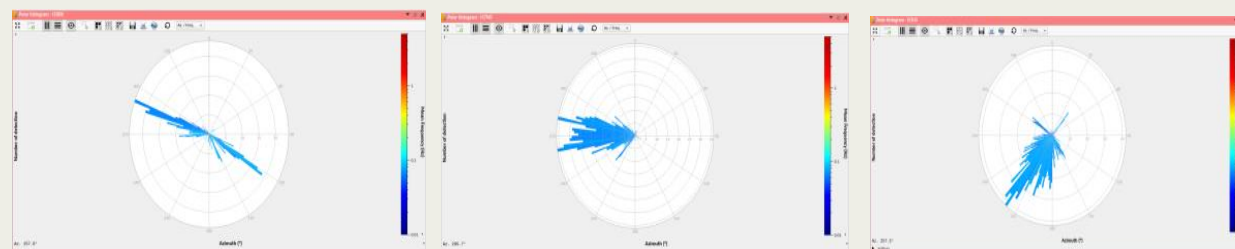


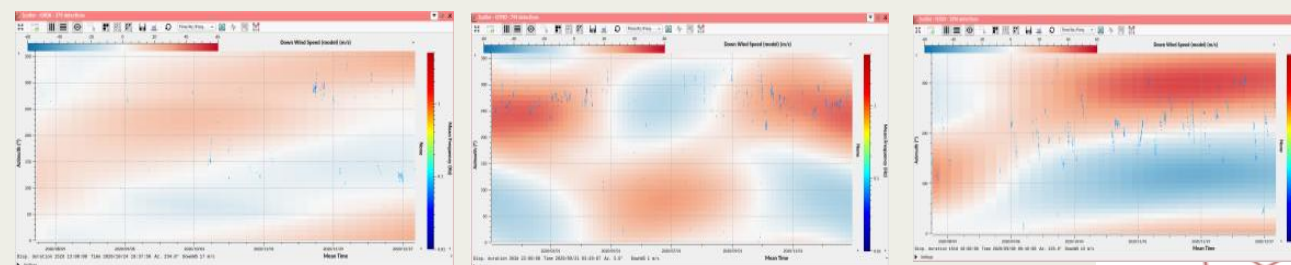
- Auroral display overhead in the sky as a natural phenomenon in the Arctic Circle region is periodically observed and detected by the IMS infrasound stations I18DK, I37NO and I3US.
- The infrasound signals associated with the auroral displays in 2020 were detected by these stations.
- A wide range of azimuths of detection for the source(s), indicative of a randomly moving source(s) in the atmosphere in the preliminary study.



Map showing the location of IMS infrasound stations in the Arctic Circle region.



Polar histogram of azimuths aurora detections at I18DK, I37NO and I3US stations.



Downwind direction of signal detections at I18DK, I37NO and I3US stations.