

Using SAR satellite data time series for regional glacier mapping

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The supplement consists of two animations of Sentinel-1 backscatter time-series over glaciers:

- 1) TC_Supl_Animation_KNG_Winsvold_et_al_tc-2017-136.avi
 - a. Sentinel-1 backscatter time-series images from 2015 to 2016 over Kongsvegen, Svalbard. The heatmap shows backscatter values (sigma 0) plotted along a centerline with a spacing of 300 m (y-axis). Time is on the x-axis (12 day repeat). White regions in the heatmap represent missing Sentinel-1 acquisitions.
- 2) TC_Supl_Animation_HELL_Winsvold_et_al_tc-2017-136.avi
 - a. Sentinel-1 backscatter time-series images from 2014 to 2016 over Hellstugubreen, Norway. The heatmap shows backscatter values (sigma 0) plotted along a centerline with a spacing of 100 m (y-axis). Time is on the x-axis (12 day repeat). White regions in the heatmap represent missing Sentinel-1 acquisitions.