

## Ice velocities from drone surveys at EastGRIP

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The East Greenland Ice-core Project - EastGRIP - aims to retrieve an ice core by drilling through the Northeast Greenland Ice Stream (NEGIS). NEGIS is responsible for draining a significant fraction of the ice from the Greenland Ice Sheet, and we hope to gain new and fundamental information on ice stream dynamics from the project, thereby improving the understanding of how ice streams will contribute to future sea-level change. An integral part of the surface program is therefore to measure the ice velocities. Here, we present the newest velocity and strain rate estimates obtained from the GPS and drone surveys at EastGRIP, and compare to new satellite derived products.



Figure 1. Aslak Grinsted launching the Cumulus one fixed wing drone. The drone collect a set of photos that are used to create an elevation model and a georeferenced ortho-photo. Repeat mapping will allow us to measure displacement using optical feature tracking providing high-resolution ice velocities.