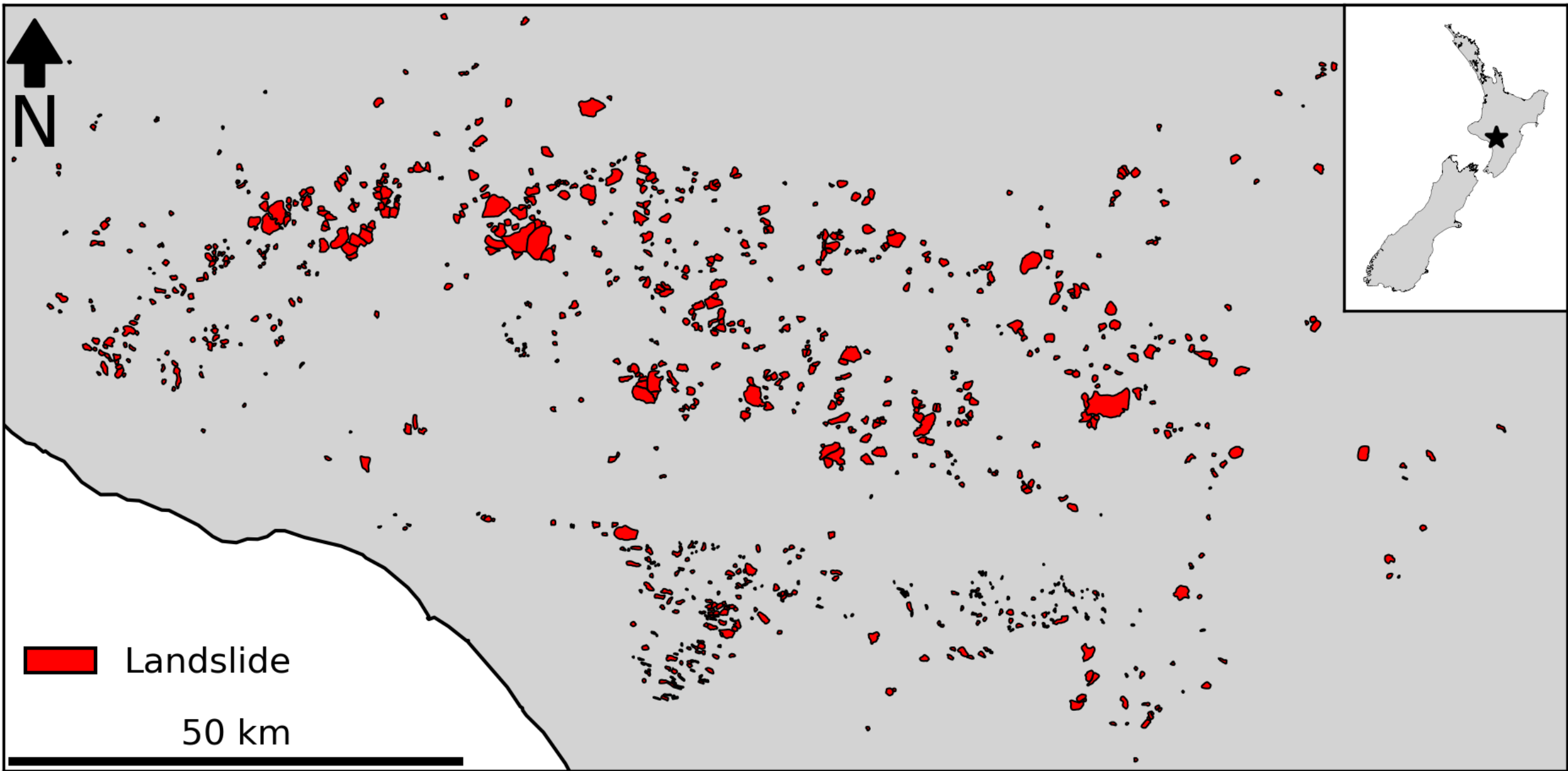# Operationalizing InSAR and Pixel Offset Time Series Methodologies for Landslide Monitoring
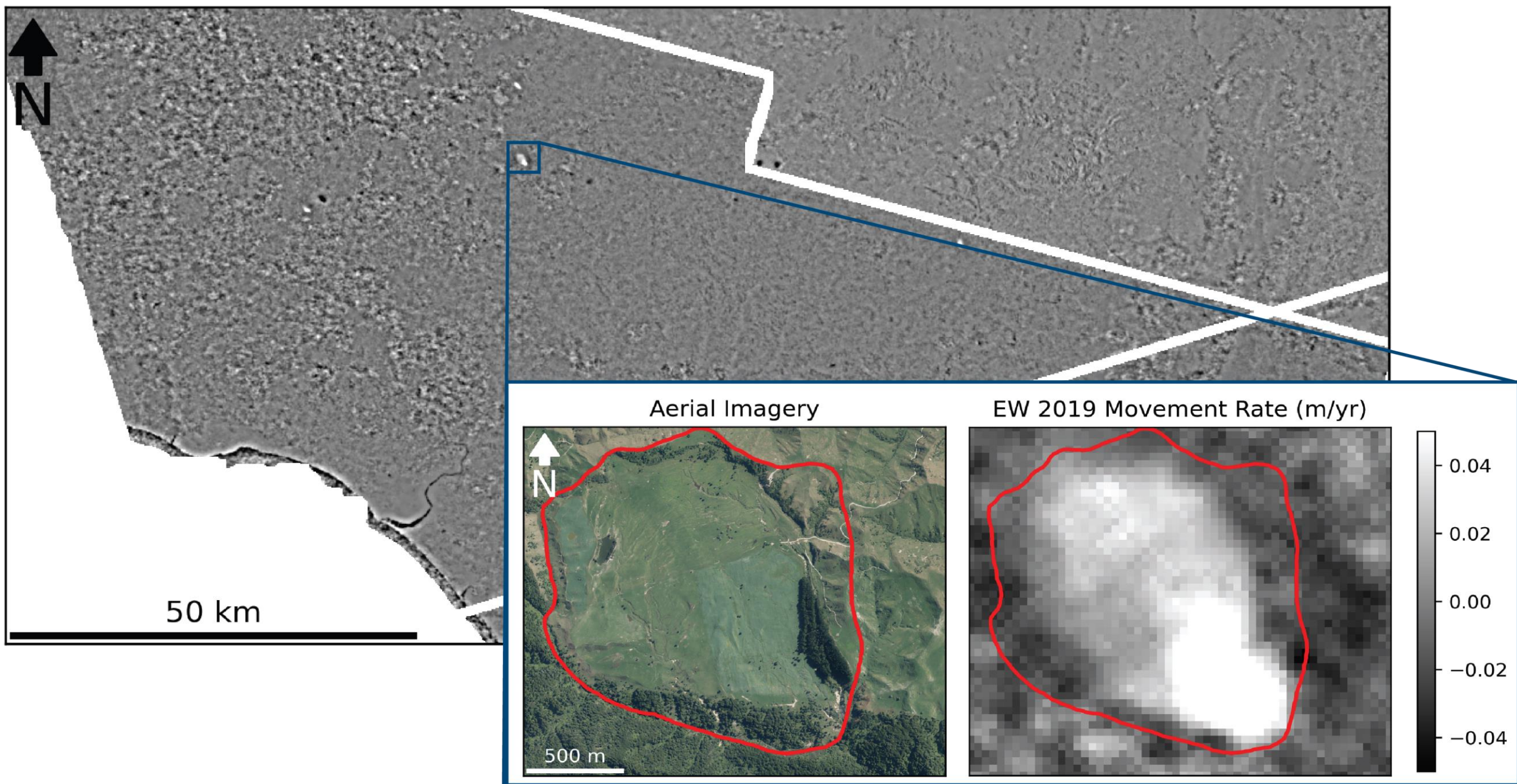
AGU Fall Meeting Dec 16th, 2021

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Aerial Imagery

EW 2019 Movement Rate (m/yr)

50 km

500 m

N
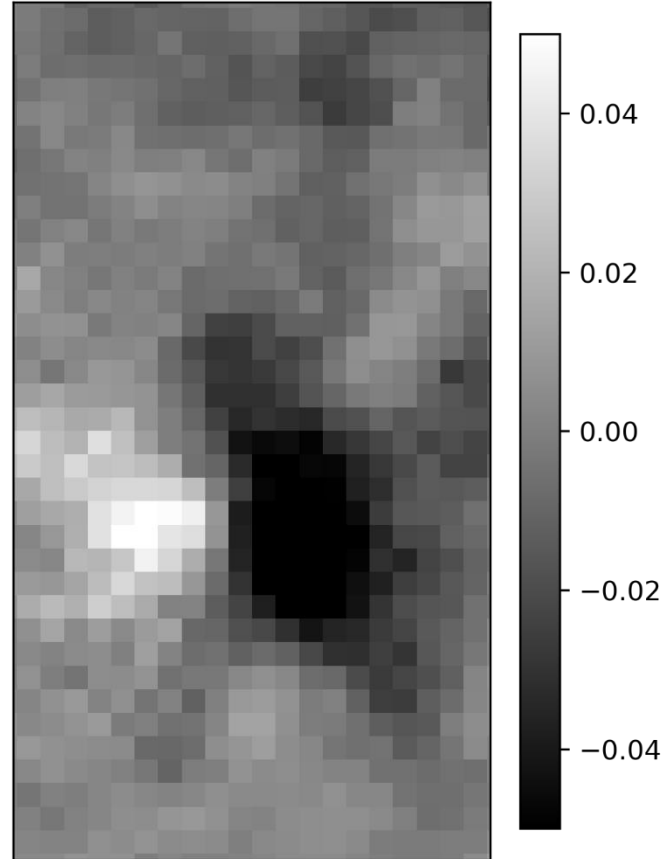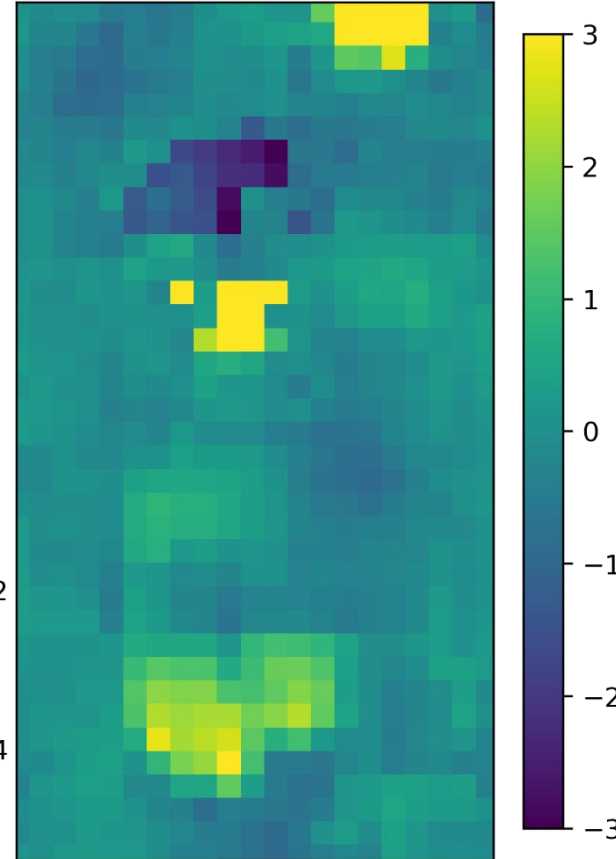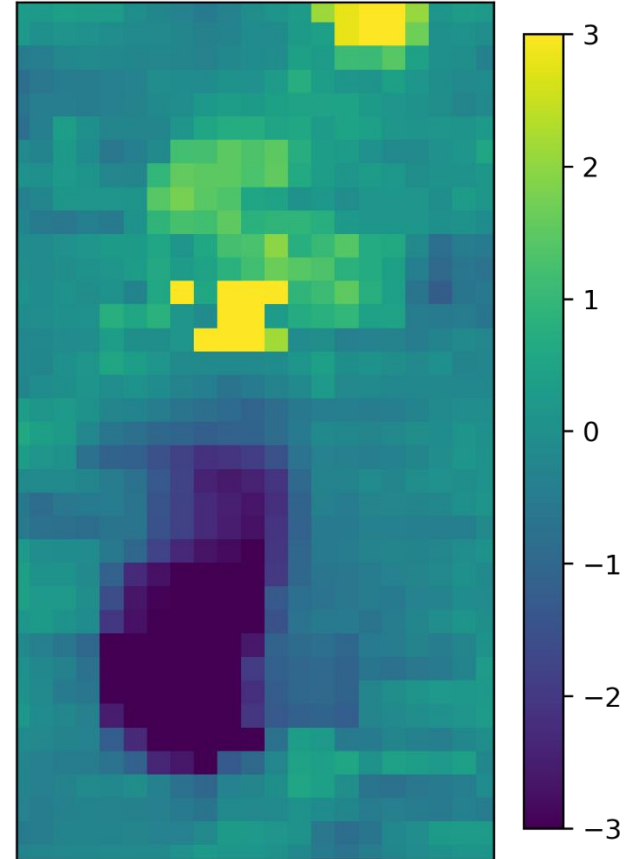
0.04
0.02
0.00
-0.02
-0.04

Aerial Imagery

EW 2019 InSAR Velocity (m/yr)

EW Annual Pixel Velocity (m/yr)

NS Annual Pixel Velocity (m/yr)

Questions:

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Descartes Labs

Workflows:

InSAR: github.com/forrestfwilliams/hyp3_insar
Pixel Offset: github.com/forrestfwilliams/pixeloffset_mintpy
Data + Figures: github.com/forrestfwilliams/agu_2021