Sentinel-1 Subtract $\overline{\sigma_{winter}^0}$

Binary thresholding

Compute monthly climatology

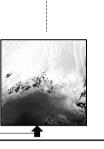


Input features



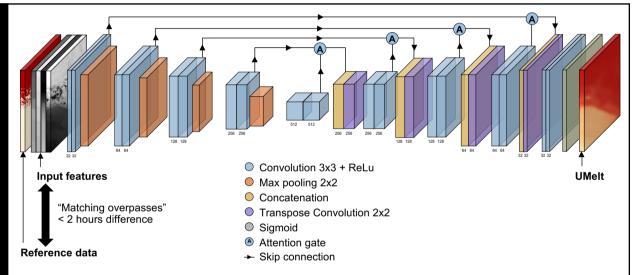


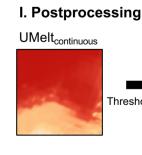




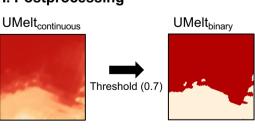
4. Sentinel-1

climatology

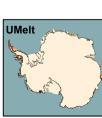




ASSESSING & APPLYING



III. Applying Apply trained U-Net Antarctic-wide



II. Testing

Testing on Shackleton Ice Shelf

- → Leave-one-melt-season-out Umelt_{I OMSO}
- Umelt_{LORO} → Leave-one-region-out

Testing on Larsen C Ice Shelf

Umelt_{Transferability}

IV. Comparing

Compare UMelt (individual images + summer melt occurrence) to other remote sensing data







