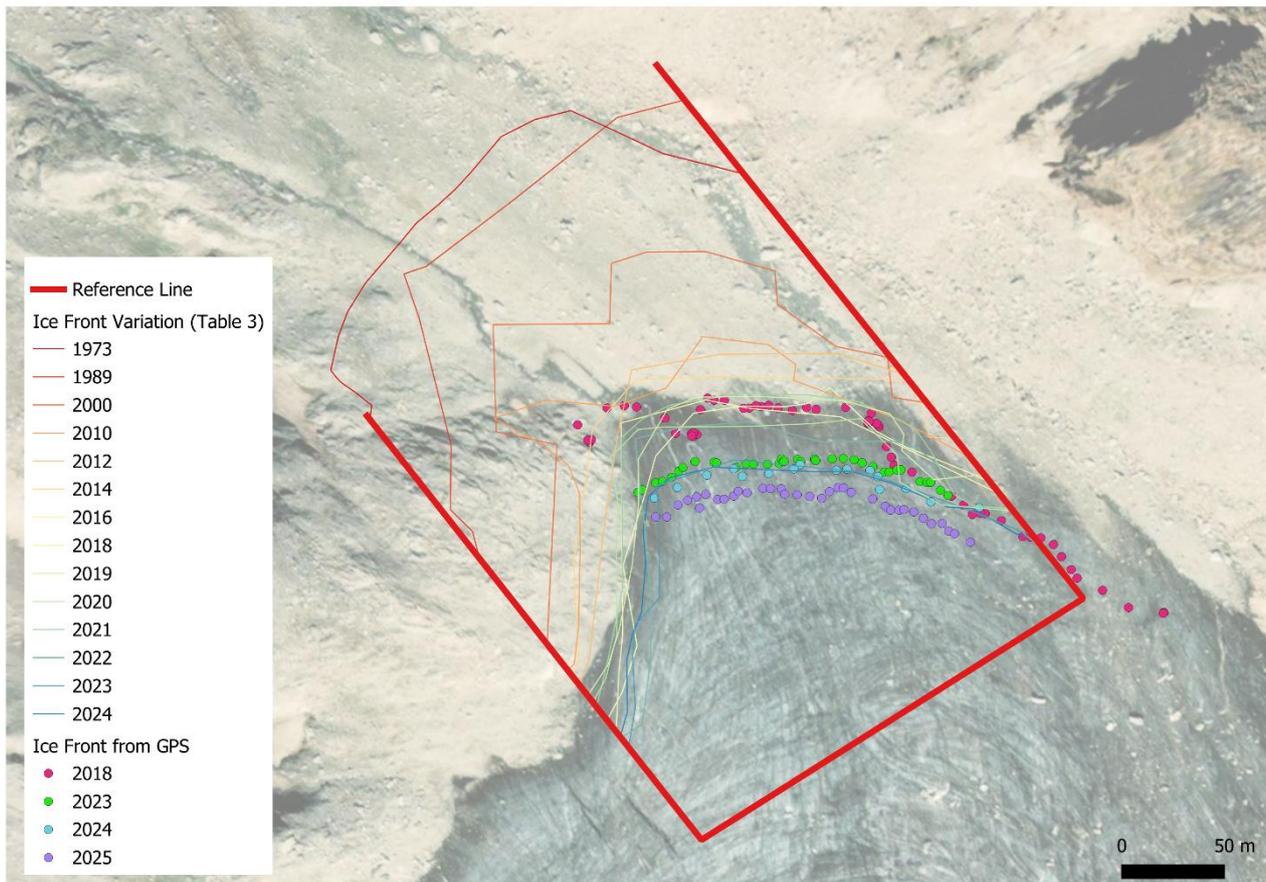


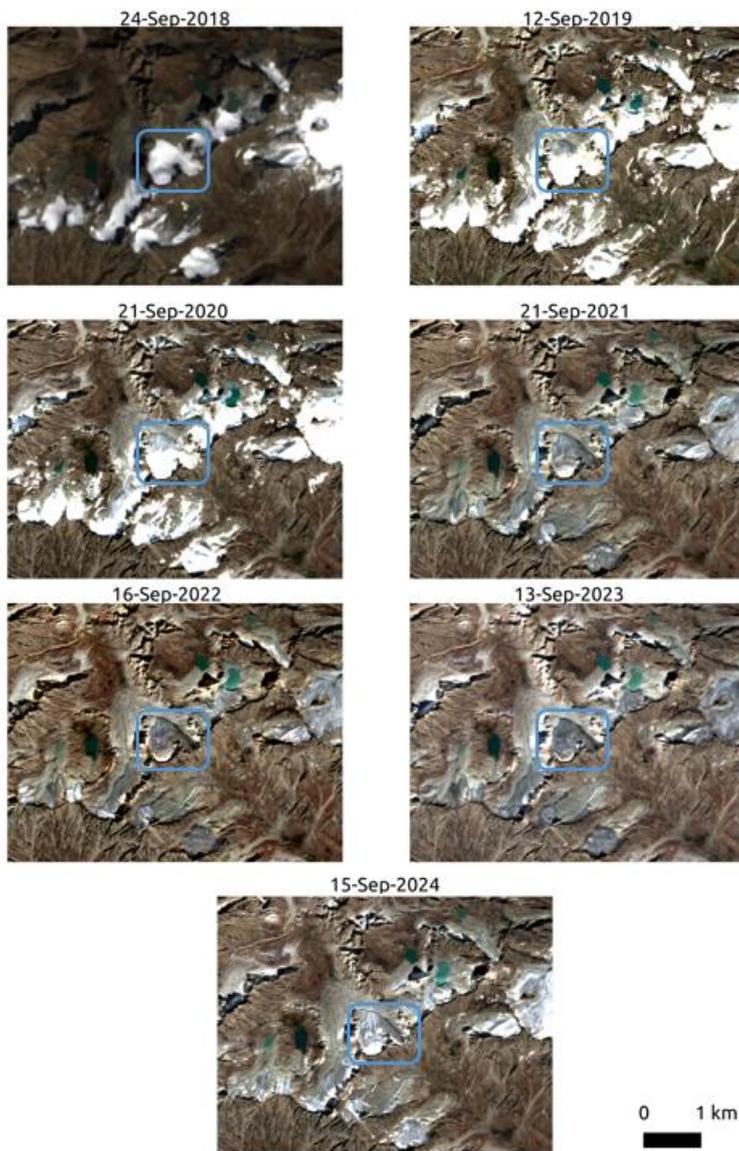
# 1 Supplement



**Figure S1. Front variation of GGP terminus from 1973 (Vladimirova et al., 1976) to 2024, and the GPS surveys conducted during expeditions.**



Figure S2. Surface area of GGP as reconstructed from 1973 expedition (Vladimirova et al., 1976) and 2024 Sentinel-2 satellite remote sensing image. The background satellite image is a Sentinel-2 true color composite from 15th September 2024.



**Figure S3. Yearly September true color composites from satellite imagery of GGP for the duration of this project (2018–2024). GGP is highlighted with a blue rectangle. The 2018 scene is a Landsat-8 image courtesy of U.S. Geological Survey (USGS) & NASA; and 2019–2024 scenes from ESA Copernicus Sentinel-2.**