

Melt Monitor
Sprint 5 Progress Report

Team 6

Chance Kissel, Lwin Moe

Paul Lewis Marcos, Soham Bhowmick

Prof. Dominic Abucejo

FA25: CS-160 Sec 03 - Software Engr

Department of Computer Science, San Jose State University

Nov 23, 2025

Sprint 5 Progress Report

- The data for the glacier index was refactored to be glacier mass loss in m.w.e. (meters water equivalent).
- The color map feature has been finalized and is being reviewed to combine with the main branch.
- All data sources have been found and implemented for both the live statistics and map features.
- The time slider for history and prediction continues to be developed.
- The sources page has been updated with all data sources and is being reviewed to combine with the main branch.
- The live data fetch feature has also been finalized and is being reviewed to combine with the main branch.
- The database has been altered to only capture live CO2 and Temperature statistics along with the date of capture.
- A new UI has been introduced and is currently being applied to the entire application.

Next Steps:

- Finish reviewing main feature branches for the final version of the product.
- Ensure that there are no conflicts among branches and merges do not generate any unwanted bugs or errors.
- Finish applying the new UI to each page of the application.
- Ensure the database is correctly storing fetched data for data keeping and the prediction model.
- Begin to plan the live demo and presentation by ranking features by order of importance.