

# GOING TO EXTREMES ON MOUNT EVEREST

SN-500-SS Net Radiometer



An ambitious multidisciplinary expedition on Mount Everest included an Apogee SN-500 net radiometer to improve weather monitoring in the Khumbu region. A critical part of the network was making sure the automatic weather stations could 1) cope with the extreme conditions of the region 2) minimize their weight for quick and easy installations. The research was published in the Bulletin of the American Meteorological Society in November 2020.

A network of five automatic weather stations (AWSs) were installed during the premonsoon climbing season of 2019, and Apogee's net radiometer (SN-500) was selected to monitor the site known as the Camp II station (6,464 m). So far, researchers have found the data of the network already offer opportunities to refine the mountain weather forecasting and melt modeling applications.

Read more about the research: [www.apogeeinstruments.com/case-studies/](http://www.apogeeinstruments.com/case-studies/).

## Application Summary

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Installing the world's highest weather stations on Mount Everest.

### Apogee Sensors Used

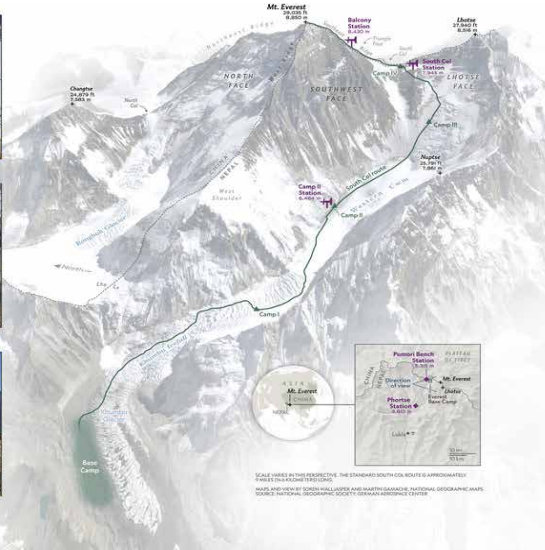
SN-500 Net Radiometer

### Journal

BAMS

### Location

Mount Everest



Photograph by Eric Daft, National Geographic