

2008 Integrated Albedo Data

Location: Along the 2008 transect line, ~200m long running E-W
Located immediately adjacent to UAF Mass Balance Site
71.36568 N 156.54417 W

Collection: Wavelength integrated albedos (from 300-3000 nm) were measured every 5 m along the transect line, according to a tape measure laid out along the transect daily. The instrument used was a Kipp and Zonen CM14 Albedometer with voltage output read either manually using a voltmeter or with a Campbell CR10 Datalogger. Albedo measurements were collected by mounting the sensor on a 1.5 m long arm and positioning it ~1 m above the snow surface to minimize shadowing. All albedos are collected to the south of the E-W transect line, where foot traffic is not permitted.



Kipp and Zonen CM14 Albedometer
Photo: Chris Petrich

Data Format: Data files are comma separated text with a single header line naming the columns. Filename indicates date. Individual daily files have column 1 representing distance along the transect line (0-200 m) and column 2 representing albedo at that location. Summary file includes a matrix of all data with each date's albedos representing a column. Average file shows the average albedo in the second column for dates listed in the first column.