



The USACH Team

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Union Glacier Campaign 2015

USACH INACH

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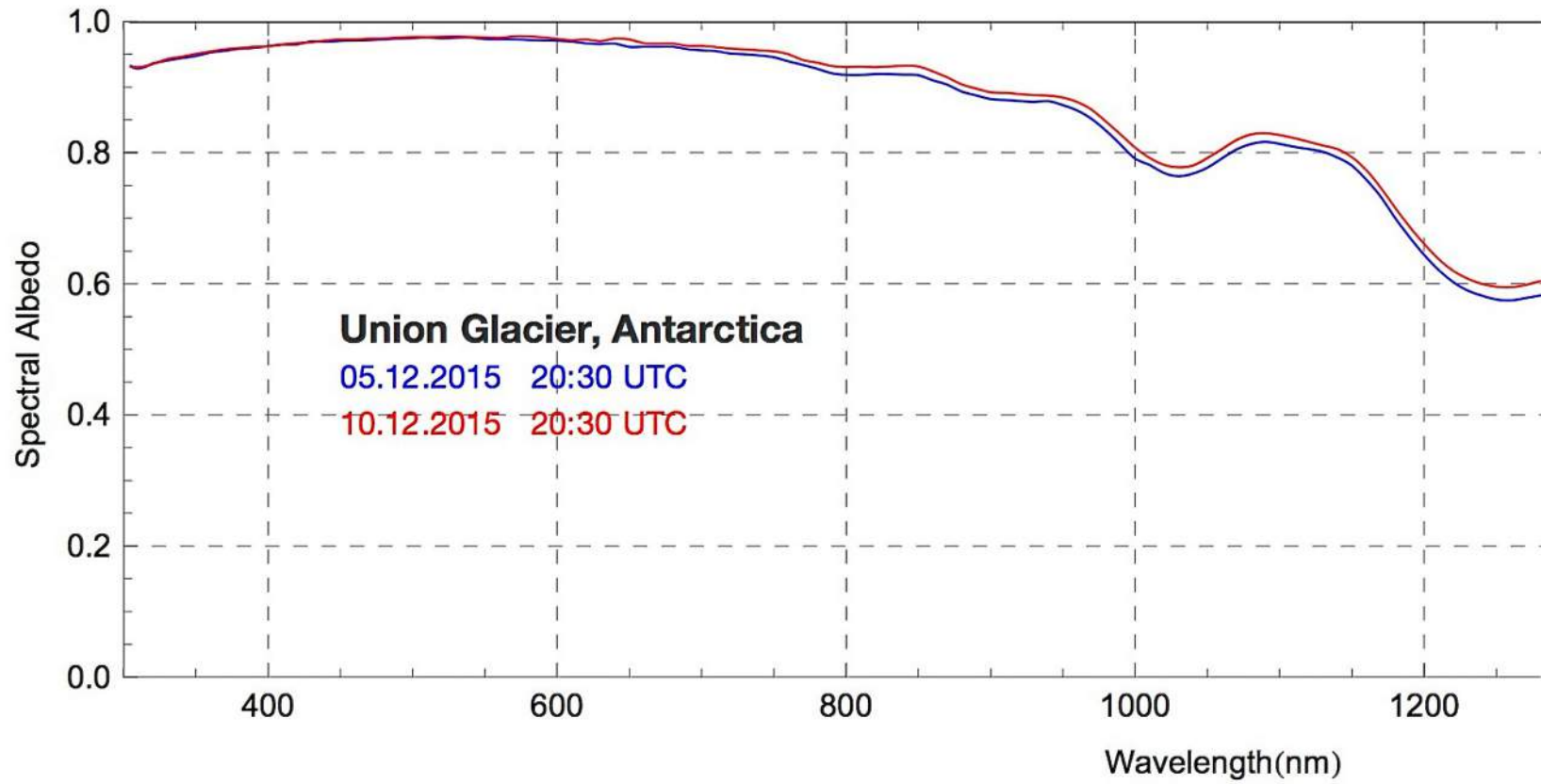
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Union Glacier (November-December, 2015)

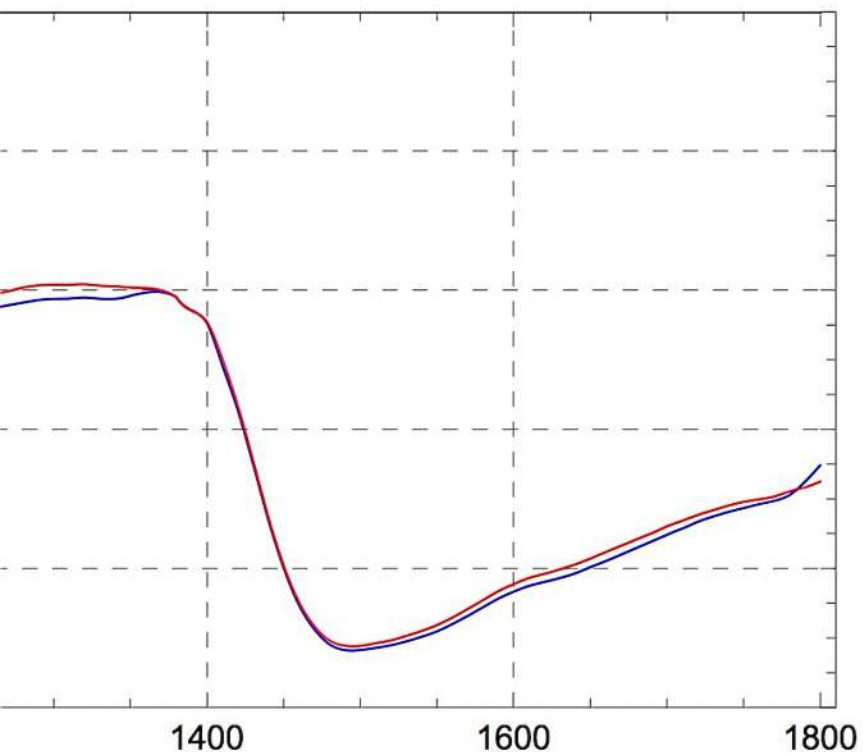
Aimed at studying the reflectivity of the Antarctic snow (i.e. the albedo), a team of researchers of the University of Santiago (USACH) carried out an intercomparison campaign that involved three spectral albedometers. These instruments allowed ground-based measurements of the surface reflectivity at wavelengths that range from the UV to the near IR.

The campaign was conducted at Union Glacier Camp (79° 46' S; 82° 52' W), located in the southern Ellsworth Mountains on the broad expanse of Union Glacier; 3,030 km from the southern tip of Chile and just about 1,000 km from the South Pole.

For further details, please visit www.antarctica.cl



Albedo measured at Union Glacier Camp on 05.12.2015 and on 10.12.2015. The albedo of the antarctic snow is extremely high, especially in the UV and visible part of the spectrum.



The albedo is the fraction of solar radiation reflected from the surface. If the albedo is equal to 0.9, 90% of the impinging irradiance is reflected by the surface.





Ellsworth Mountains

Let's research south













Getting there

Landing on blue ice









The Equipment

At the state-of-the-art

























**THE
NORTH
FACE**

The Team

Fitted with a cool mind









