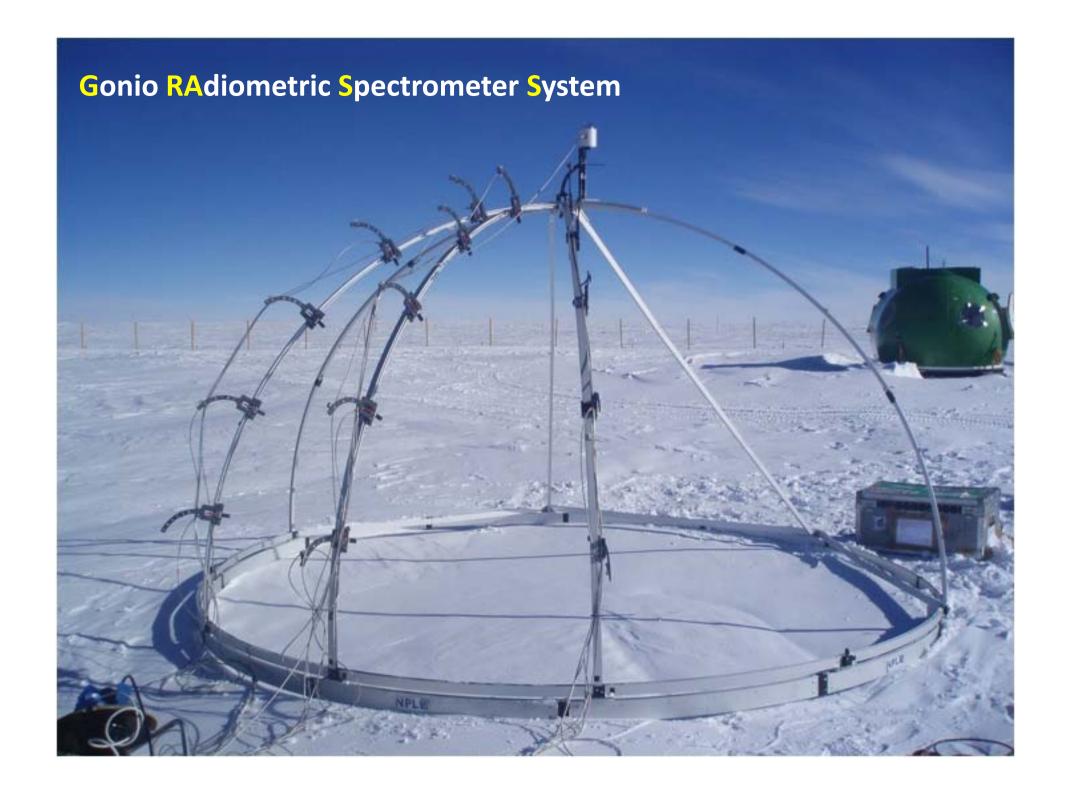
Characterization of the bi-directional reflectance of Antarctic surface for the inter-calibration and validation of satellite remote sensing products

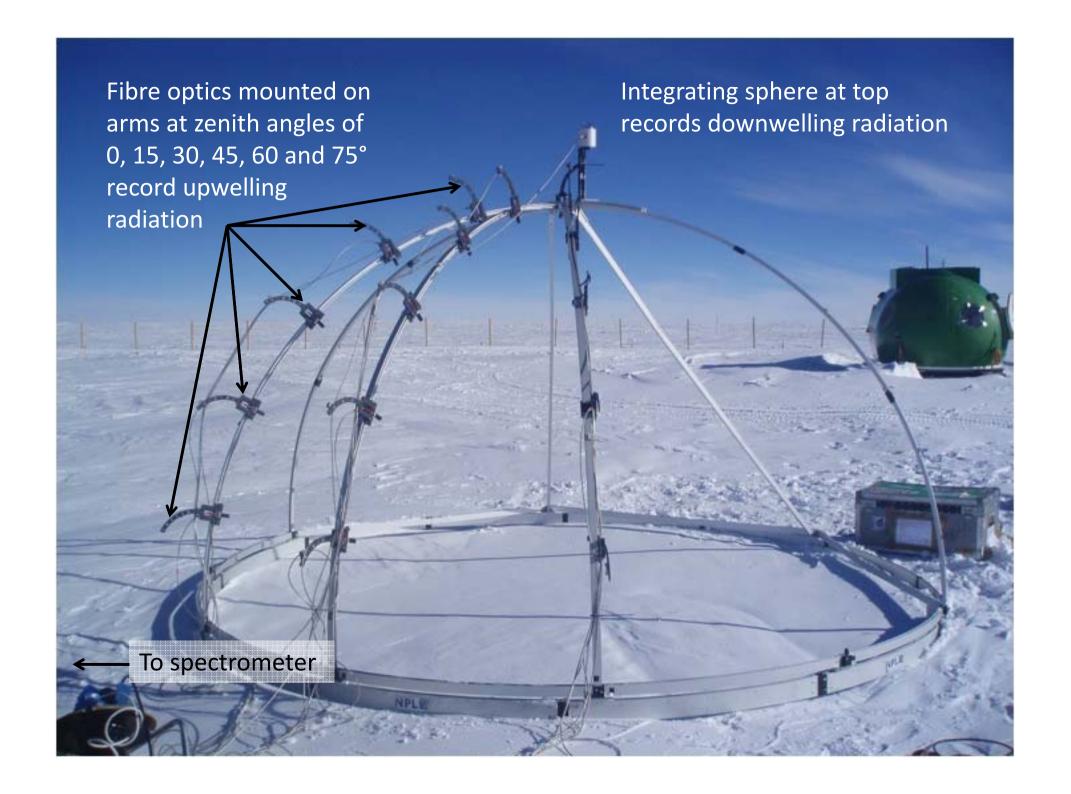
Amelia Marks, Royal Holloway, University of London, UK
Corrado Fragiacomo, Italian National Antarctic Research Program (PNRA)
Alasdair MacArthur, NERC Field Spectroscopy Facility, UK
Martin King, Royal Holloway, University of London, UK
Giuseppe Zibordi, Institute for Environment and Sustainability, Ispra, Italy
Nigel Fox, National Physical Laboratory, UK

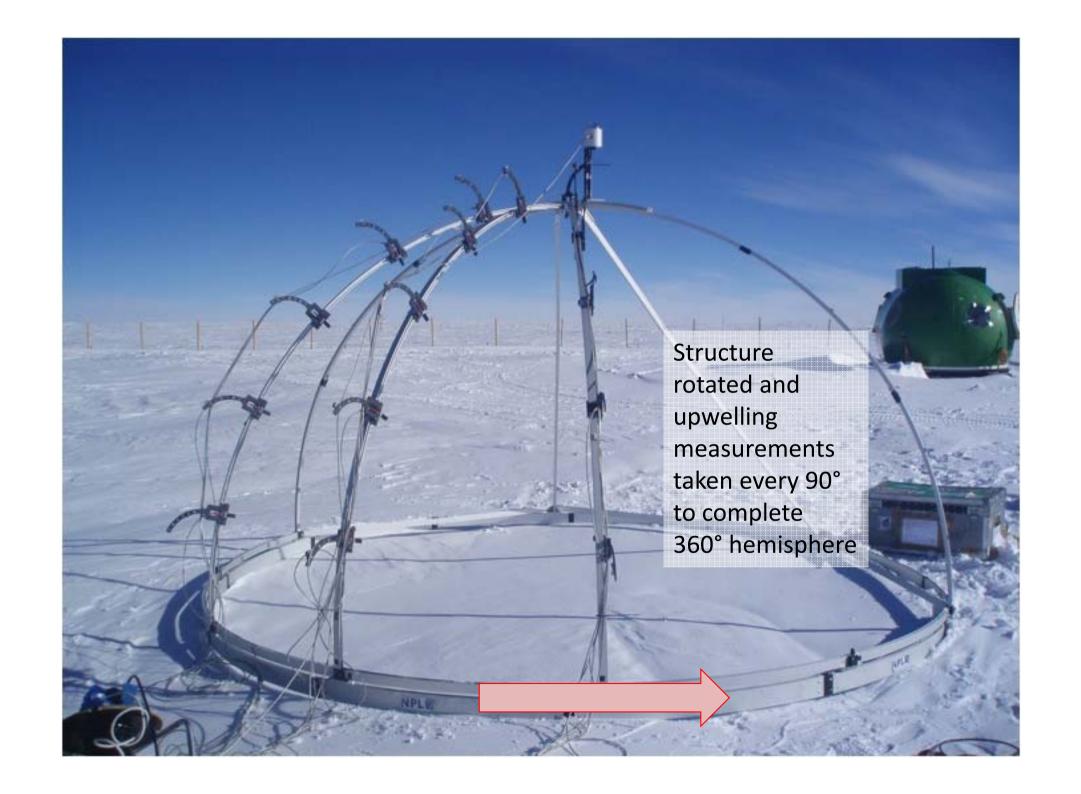


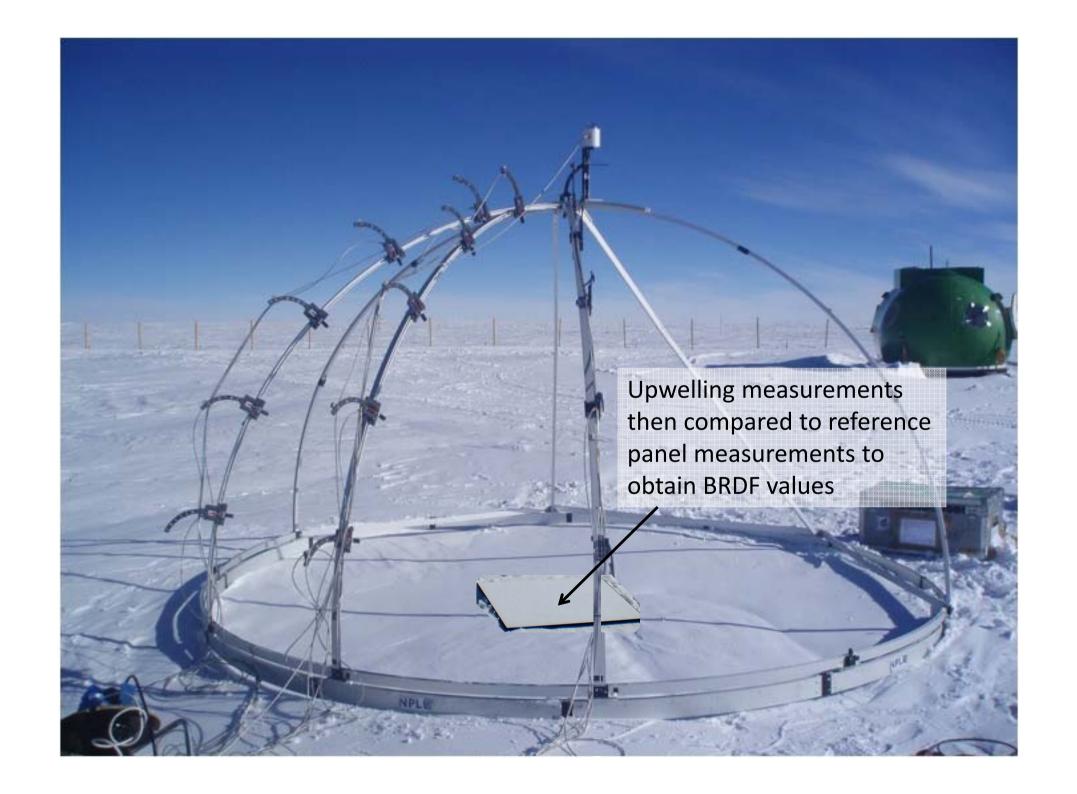


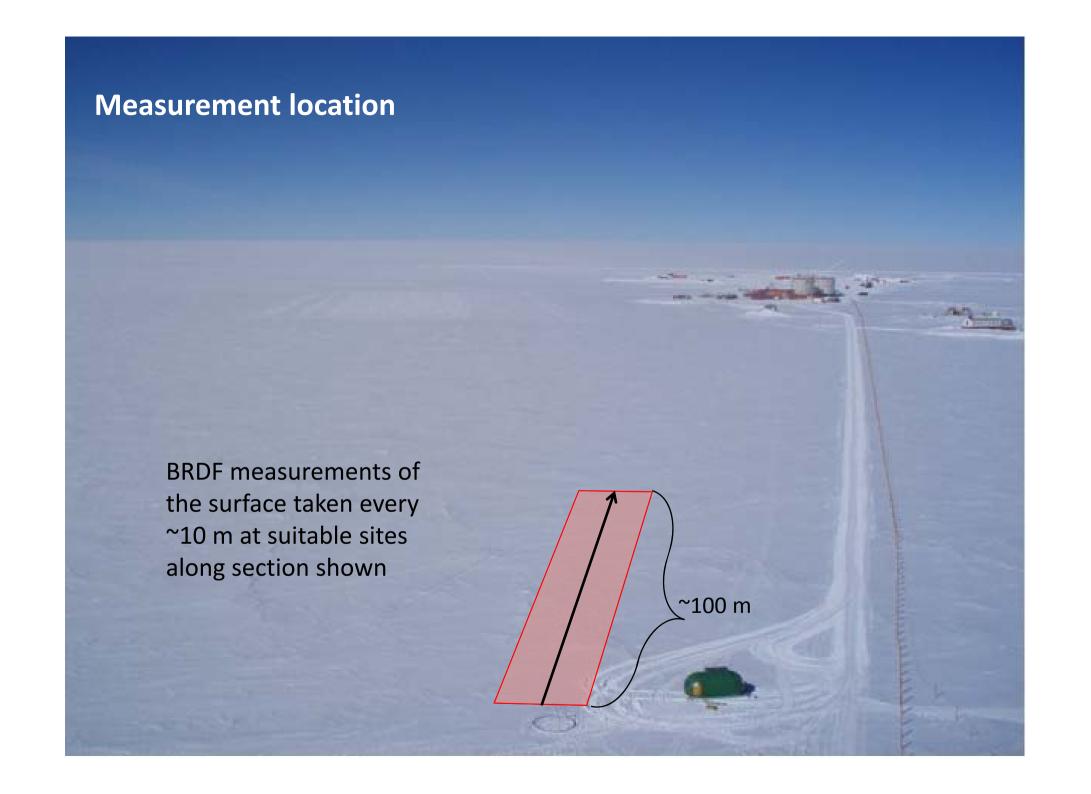








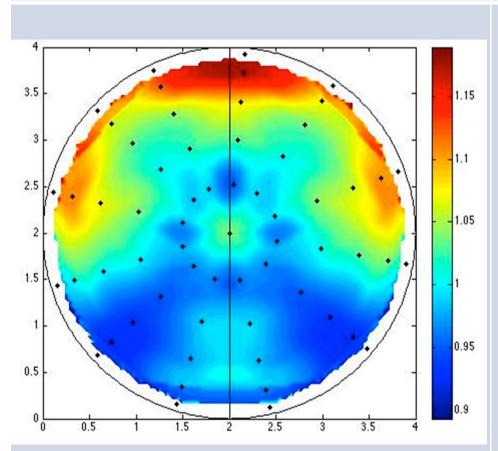


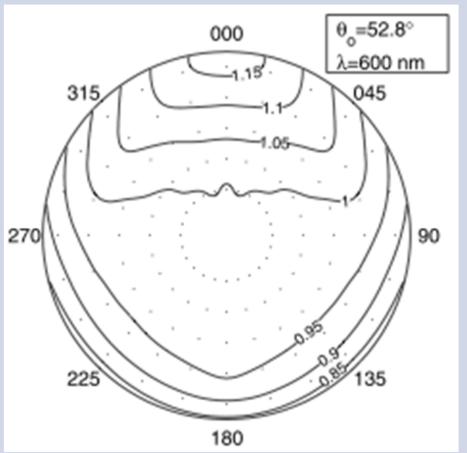


Comparison of our average measurements to previous Dome C measurements

Average of our BRDF measurements from all locations

Example from Hudson *et al.* (2006) of BRDF recorded from top of a 32m tower at Dome C

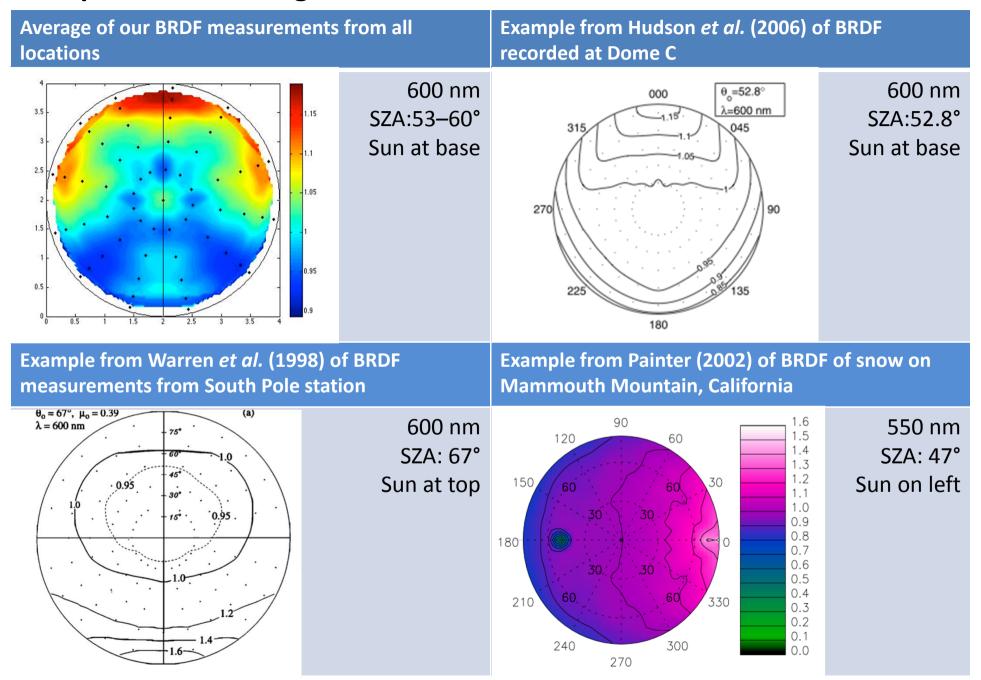




Measurements at 600 nm

SZA: 52–63° Sun at base Measurements at 600 nm SZA 52.8° Sun at base

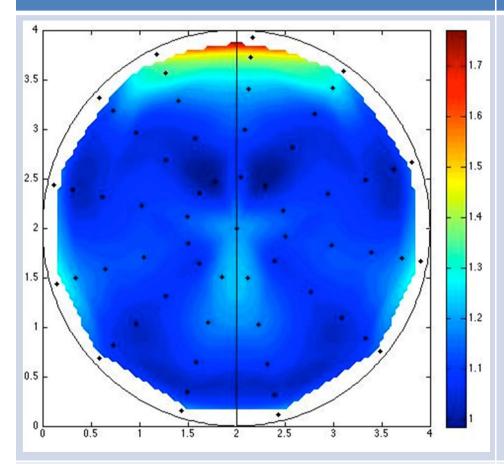
Comparison of average measurements to other snow measurements

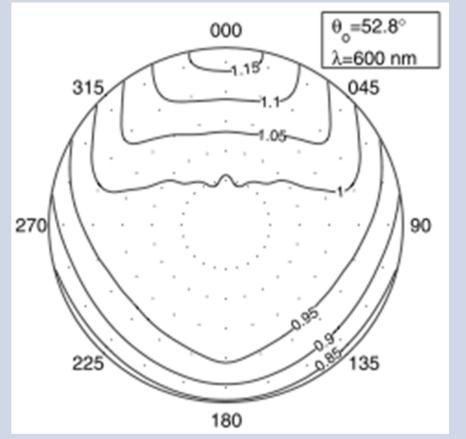


Comparison of a typical measurement to previous Dome C measurements

Example of our BRDF measurements from Dome C

Example from Hudson *et al.* (2006) of BRDF recorded from top of a 32 m tower at Dome C





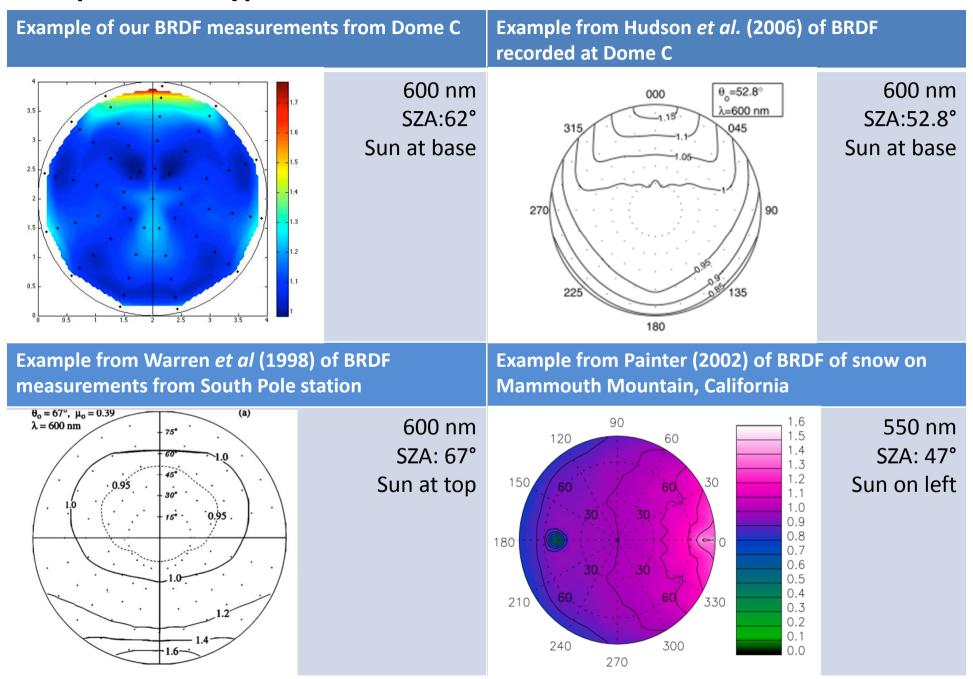
Measurements at 600 nm

SZA: 62°

Sun at base

Measurements at 600 nm SZA 52.8° Sun at base

Comparison of typical measurements to other snow measurements



Variation within our measurements

