Linking postglacial landscapes to glacier dynamics using swath radar at Thwaites Glacier, Antarctica - Supporting Data

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This archive contains the following files:

Metadata.pdf

Radar point measurements of bed elevation, produced by swath radar processing:

SwathPointMeasurements_20091224_01.txt
SwathPointMeasurements_20091228_01.txt
SwathPointMeasurements_20091228_02.txt
SwathPointMeasurements_20091229_01.txt
SwathPointMeasurements_20100101_02.txt
SwathPointMeasurements_20100103_01.txt
SwathPointMeasurements_20100103_02.txt
SwathPointMeasurements_20100104_01.txt
SwathPointMeasurements_20100112_01.txt
SwathPointMeasurements_20100112_02.txt

Gridded bed topographies, produced from above point measurements:

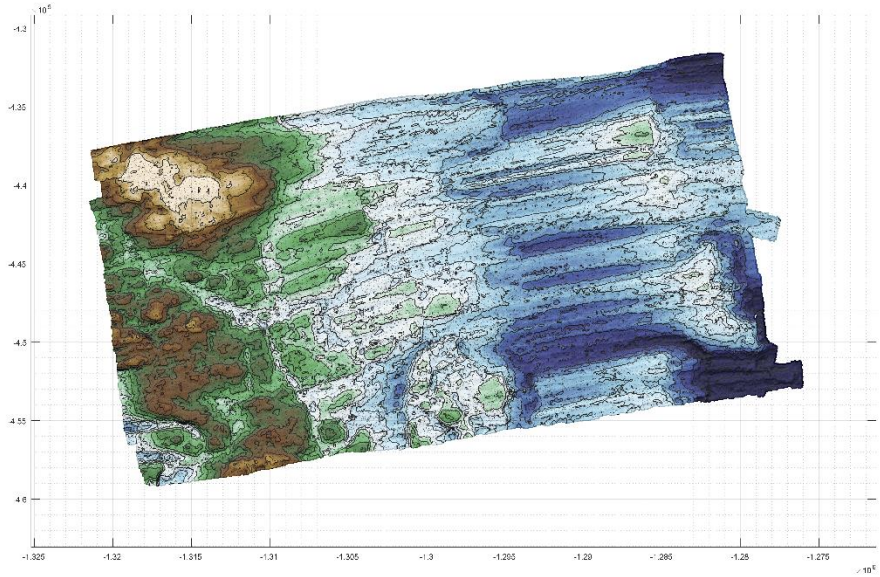
GriddedBed_Downstream.mat
GriddedBed_Upstream.mat

Gridded topography .mat File Structure:
Each file contains the following 5 variables:

x_coord: Polar stereographic x coordinate (in meters), geolocation for bed_elev
y_coord: Polar stereographic y coordinate (in meters), geolocation for bed_elev
lat: Latitude grid, geolocation information for bed_elev
long: Longitude grid, geolocation information for bed_elev
bed_elev: The elevation of the ice sheet base (relative to WGS84) in meters

The provided topographies should appear as follows:

Upstream:



Downstream:

