**Name:** Whisky Glacier

**Study sites codes:** DD

**Coordinates:** 63°55’– 63°57’ S, 57°56’–57°58’ W

**Altitude:** 215 – 520 m a.s.l.

**Site description:**

Whisky Glacier is a cold-based, land terminating valley glacier that is situated in the Ulu Peninsula, James Ross Island. The glacier has area of 2.4 km2, is oriented towards the north and exhibits well distinguishable divide with Alpha Glacier.

**Measured parameters**

* Ablation stakes’ height
* XYZ coordinates of glacier’s surface at ablation stakes with dGPS
* Glacier’s thickness

**Device information**

* *XYZ coordinates:* dGPS transiever Trimble XXXX
* *Glacier thickness:* georadar with unshielded 50MHz Rough Terrain Antenna and RAMAC CU-II control unit. The signal acquisition time was set to 2040ns, and scan spacing ranged from 0.2 to 0.3m.

**Period**

* *ablation stakes’ height and XYZ coordinates:* 2009 - 2016

**Interval of measurement**

* *Ablation stakes’ height:* annually (beginning of February)
* *XYZ coordinates of glacier surface at ablation stakes:* annually (beginning of February)
* *Glacier’ s thickness:* single measurement in summer, 2010

**Notes**

* *Number of ablation stakes:*
  + *2009:*
  + *2010:*
  + *2011:*
  + *2012:*
  + *2013:*
  + *2014:*
  + *2015:*
  + *2016:*
* Ablation stakes’ height was recorded with common scale and rounded to the nearest centimeters. If the stake was tiled, vertical distance to glacier’ s surface was measured as well as length of the stake that is emerged above the glacier.
* XYZ coordinates were recorded with dGPS transiever that was placed at each stake for 180s. Data were further post-processed with use of reference station at XY. Precision of gathered XY coordinates was XX and Z coordinates was XX.

**Published data**

Engel, Z., Nyvlt, D., & Laska, K. (2012). Ice thickness, areal and volumetric changes of Davies Dome and Whisky Glacier (James Ross Island, Antarctic Peninsula) in 1979 – 2006. *Journal of Glaciology*, *58*(211), 904–914.

**Contact Person**

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