Site name: Berry Hill - slopes

Device codes: XY; XZ; XYf

Coordinates: S63°48′09.5″ W57°50′19.4″  
Altitude: 56 m

Site description:

The study site is situated on the northeastern coast of Ulu Peninsula, James Ross Island. Both atmospheric and ground data are available. Study site provides data of meteorological parameters and ground temperature. The surroundings is covered by regolith and the study site is facing open water from to the north.

Measured parameters:

Current setting:

All measurement since 16-Feb-11

XY - Soil temperature (5, 10, 20, 30, 50, 75 cm)

XY – Soil moisture (5, 10,20,30,50,75 cm)

XZ *–* Air temperature and humidity (200 cm)

Cancelled measurement:

All measurements between 22-Feb-05 to 12-Feb-10

XYf – Soil temperature (5, 15, 30, 45, 60 cm)

XYf – Soil moisture (5, 15, 30, 45, 60 cm)

XYf – Air temperature and humidity (200 cm)

Measurement interval:

XY – 60 min

XZ *–* 60 min

XYf – 30 min

Total data availability:

100 % - XY, XZ

Ca. 60 % - XYf

Data quality: 1 –XY (SoilTemp); 5 – XY (SoilMoist); 1 – XZ (AT,RH); 5 - XYf

Missing data period:

XY (SoilMoist) – not validate data after Feb-12

XYf – 2008 to 2009

Published data period: 6 February 2012 to 31 March 2015

Cited as: Hrbáček, F., Nývlt, D., Láska, K., 2017. Active layer thermal dynamics at two lithologically different sites on James Ross Island, Eastern Antarctic Peninsula. Catena. <http://dx.doi.org/10.1016/j.catena.2016.06.020>

Data files:

Complete time series – raw data:

XY\_refin\_2016.dcv (since 16-Feb-11)

XZ\_refin\_2016.dcv (since 16-Feb-11)

Soil texture sampling: 29 January 2015

Soil texture results: Not Available

Soil moisture sampling: 29 January 2015

Soil moisture results:

