

FW: Ice thickness above the sub.lab.?

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To: Pierre-Marie Lefeuve <p.m.lefeuvre@geo.uio.no>;

Hei Hallgeir,

For the sublab paper, I would like to give an estimate of ice thickness variation above brelabben and I wonder if I could ask for your help for this.

Do you think you could extract the surface elevation above the following coordinates from the DEMs tha NVE has?

I just need a couple of points to know if the ice thickness varied considerably or not?

I could also use it to compute the mean overburden pressure.

The SSL coordinates taken from the mean of load cell positions are:

E: 25614.55 ±7.4 metres

N: 966616.4 ±3.5 metres

Z: 630.74 ±1.6 metres

(NGO 1948 (Oslo) / NGO zone IV)

Approximate conversion in degrees for 25614.30 - 966613.32:

Long.: 13.796224157791022 deg

Lat.: 66.67313630228107 deg

In UTM33:

X: 446811.307230169 m

Y: 7395456.10934834 m

For the 2013 DEM, I find around this point elevations between 822-826m. The lab lies at 630m, which gives an ice thickness around 192-196m.

Is it a laborious task and straight forward to do? My problem is to know where are the DEM's on NVE's server.

Thanks for your help,

PiM