Russian-Spanish fieldwork Svalbard, spring 2010 Barentsburg area

Institute of Geography



Russian Academy of Sciences



Scientific/technical objectives:

• New GPR equipment testing (VIRL-7).

• Full radio-echo sounding of Vestre/Austre Grønfjordbreen and Tavlebreen.

Period:

• 28 March-21 April (Barentsburg: 1-19 April) 2010.

Participants:

• Yury Macheret (Science leader)

• Ivan Lavrentiev (reponsible for logistics)

• Evgeny Vasilenko (responsible for equipment

• Francisco Machío and fieldwork)

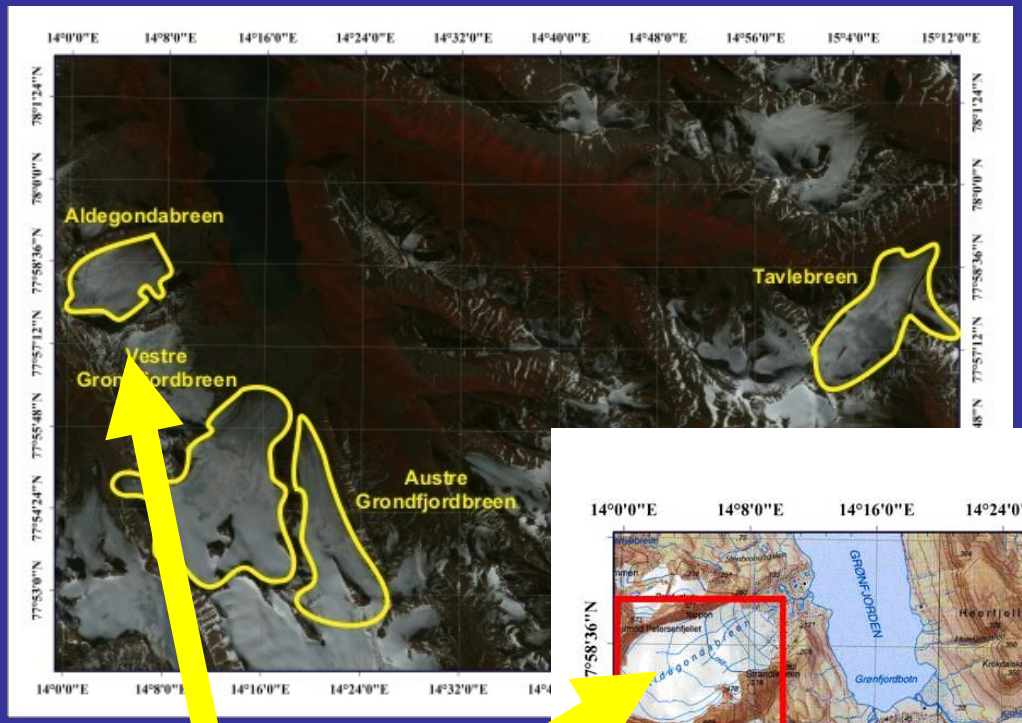
Logistics:

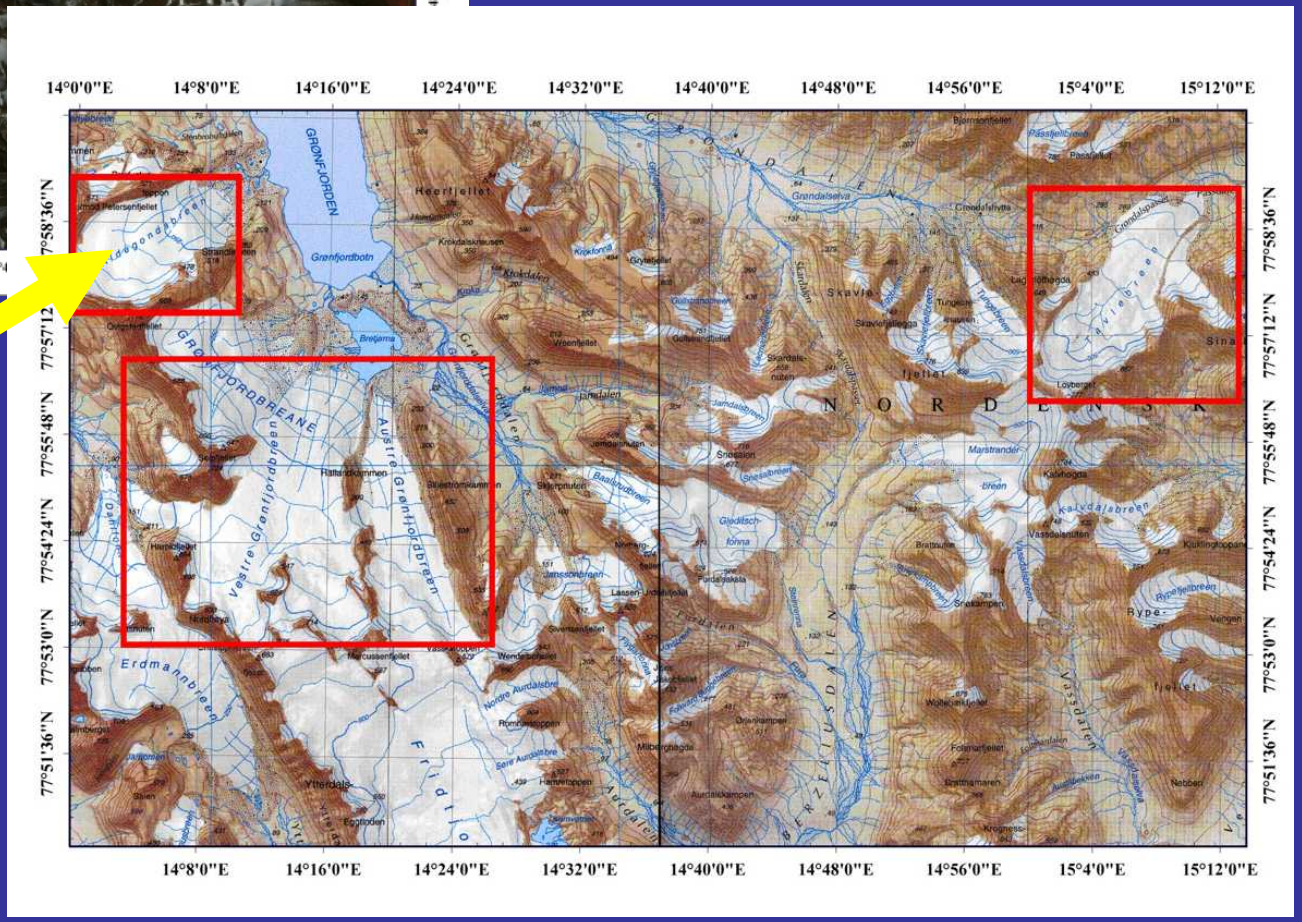
• Support by Barentsburg research station (Russ. Acad. Sc.), and partly Arcticugol.

• 2 snowmobiles for fieldwork (Paco's & Jon Ove's).

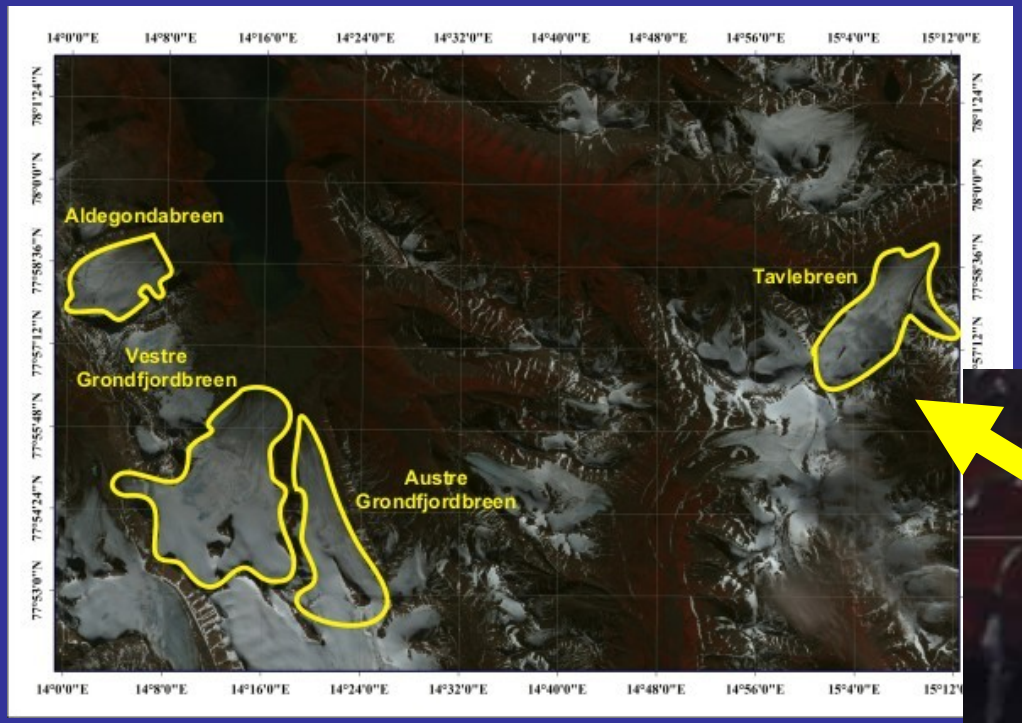
Fieldwork area

Total length of GPR profiles:
~197 km





VIRL7 GPR equipment tests on Aldegondabreen on 6/04/2010

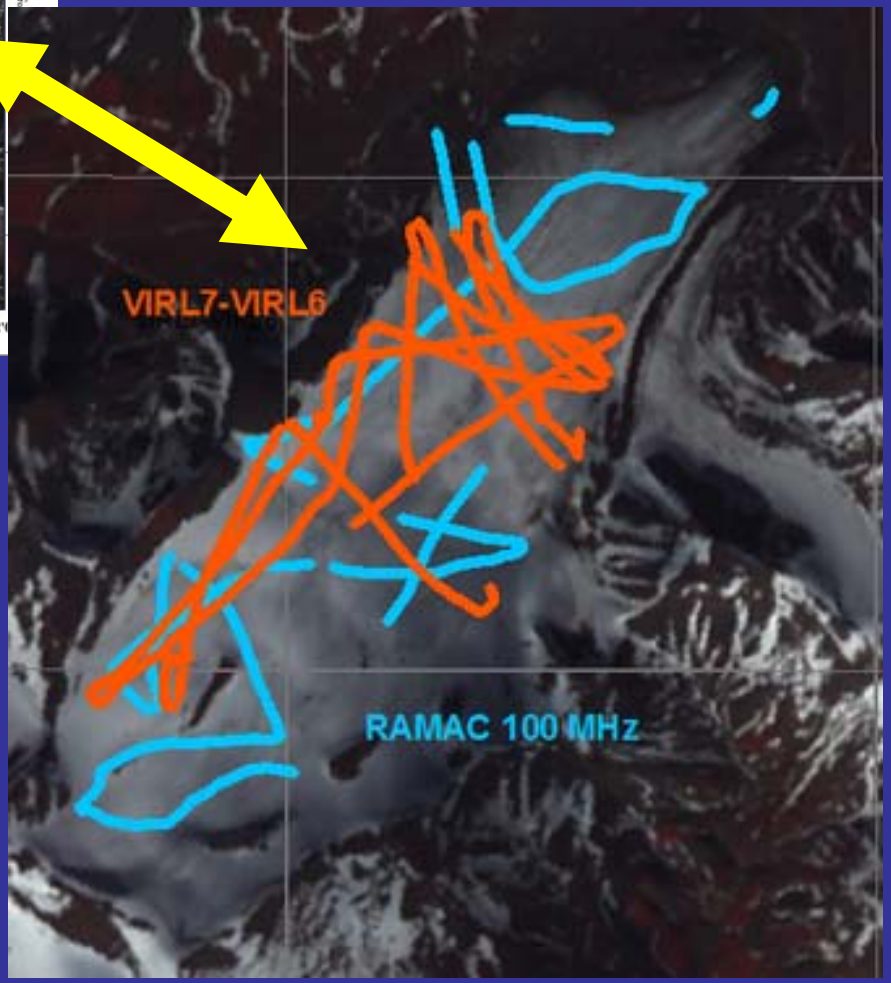


Tavlebreen

8 & 12/04/2010

VIRL6/VIRL7 20 MHz

Ramac/GPR 100 & 200 MHz



Length of GPR profiles:

Total: 33.5 km

VIRL 6/7: 8.5 km

Ramac 100: 18 km

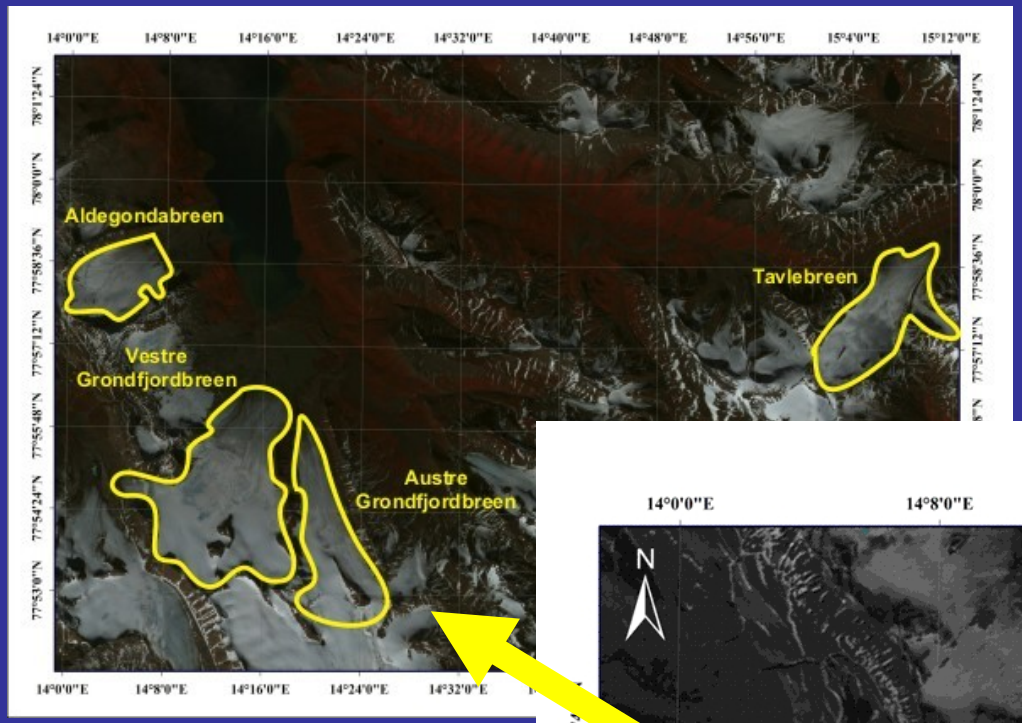
Ramac 200: 7 km

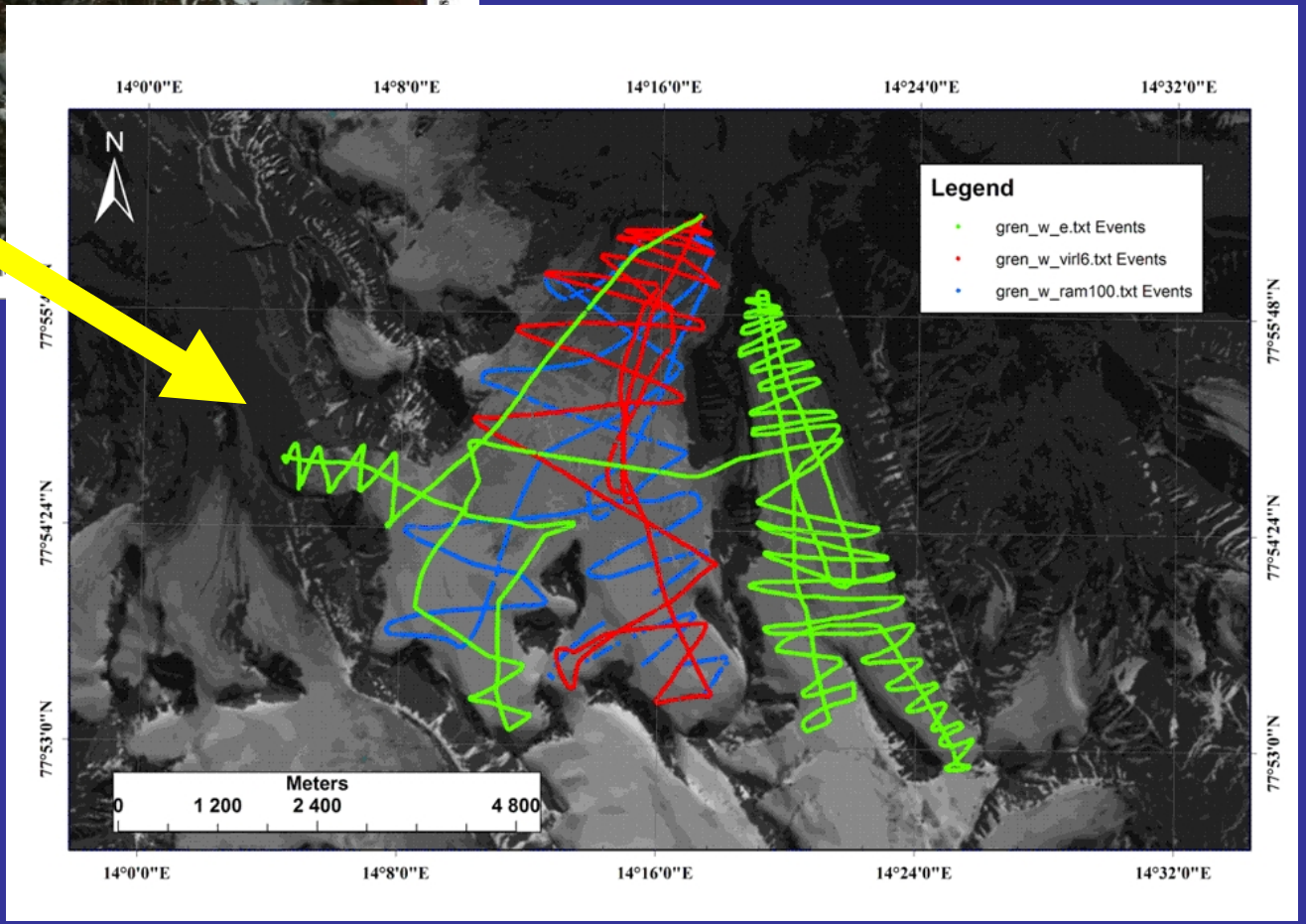
Vestre/Austre Grønfjordbreen

14 & 16/04/2010

VIRL6 20 MHz

Ramac/GPR 100 MHz





Length of profiles:

Total: 163 km

VIRL 6:

53 km (Austre)

65 km (Vestre)

Ramac 100: 45 km