

The delights of Delores: The new B.A.S. DEep LOOK Radio Echo Sounder

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The British Antarctic Survey's Delores system (Deep Look Radio Echo Sounder) is a daughter of the Washington and St. Olaf radars. It is a 1-4 MHz monopulse radar configured for towing by skidoo. It was deployed during the 05-06 season on the Rutford Ice Stream, Fletcher Promontory and Berkner Island.

The poster provides details of:

1. Construction and deployment
2. Data processing
3. Problems
4. Solutions

The data examples show:

1. Raymond bumps
2. Drumlinised bed topography
3. Shear margins * both stable and outward-stepping
4. Comparison of radar and seismic bed reflectivity

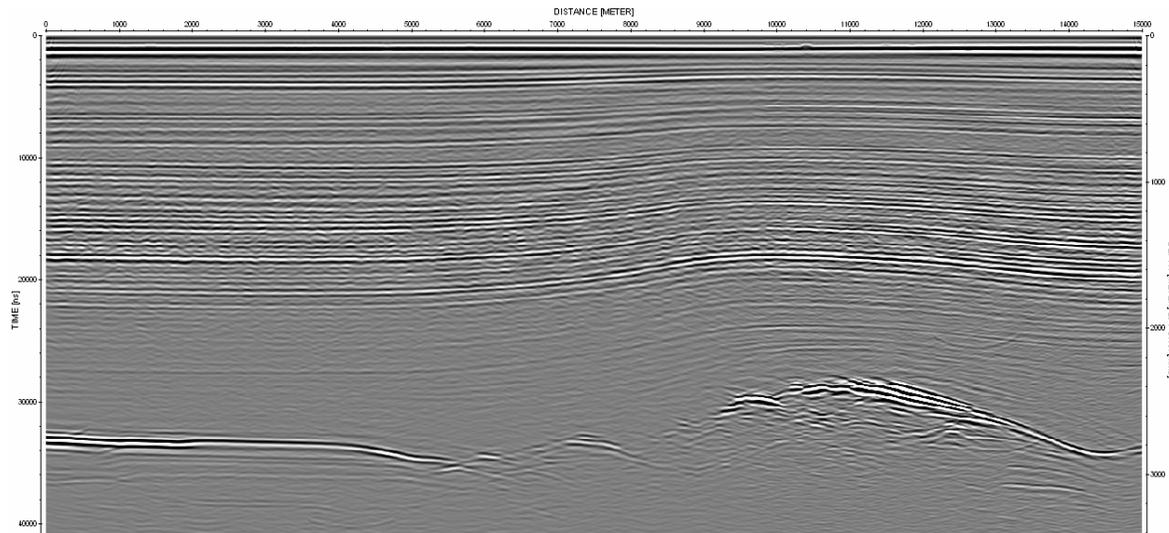


Figure 1. Part of an in-flow profile from Rutford Ice Stream acquired with Delores