

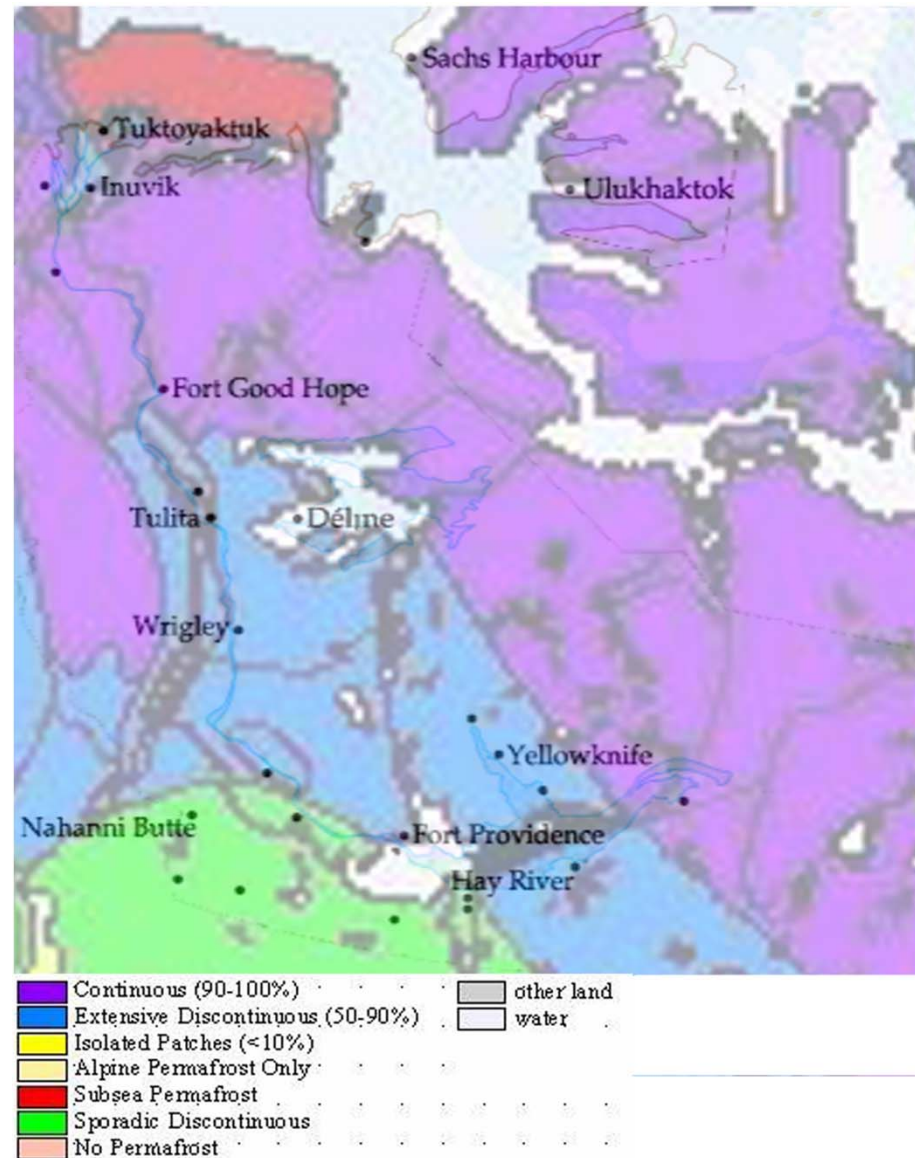


Public Works and Services

Ground Temperature Monitoring in NWT

GNWT

Permafrost Zones



NWT Sites

- Inuvik YOF, Arctic Tern
- Inuvik East 3 School
- Inuvik Visitors Centre
- Aurora College Campus, Inuvik
- Inuvik Hospital
- Chief T'Selehye School, Ft. Good Hope
- Chief Albert Wright School, Tulita
- Western Arctic Research Centre, Inuvik

Arctic Tern, Inuvik



Inuvik East 3 School



Pile foundations



Inuvik Hospital



Ft Good Hope School



CAW School, Tulita



WARC, Inuvik



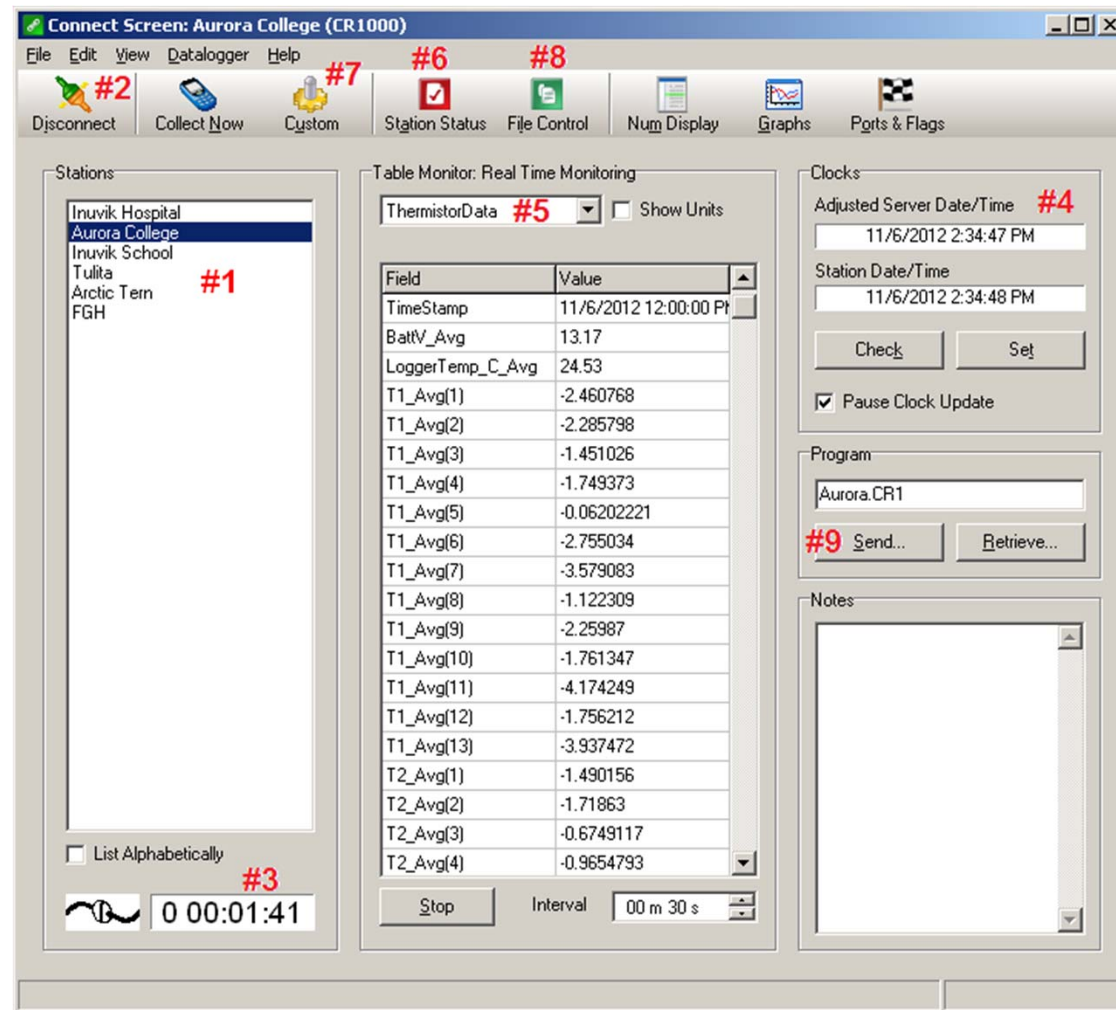
Thermistors



Logger

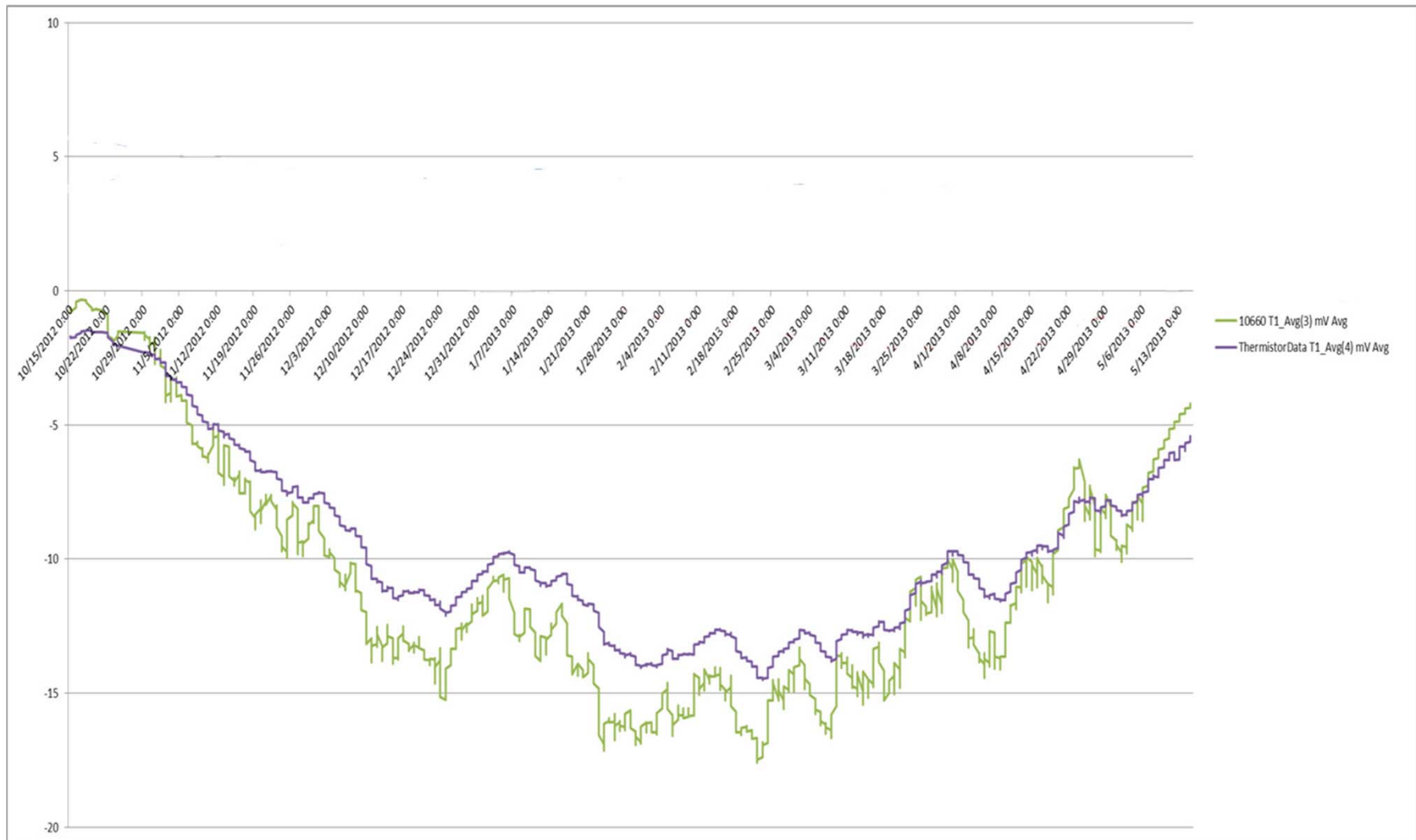


Software interface at collection site



“Loggernet”

Weekly Temperature Readings



Going forward

Application of the new NRC climate change adaptive strategies initiative which has created the new CSA Standards for

- Thermosyphons
- Community Drainage
- Permafrost protection
- Snow loading

which have been discussed at this symposium.

Installation of thermistors with data loggers on facilities throughout the Mackenzie River basin and then the rest of the NWT.

These installations are only now being done on new installations but existing facilities will require monitoring where the risk of permafrost degradation threatens the structure.



Public Works and Services

Thank you for your kind attention.