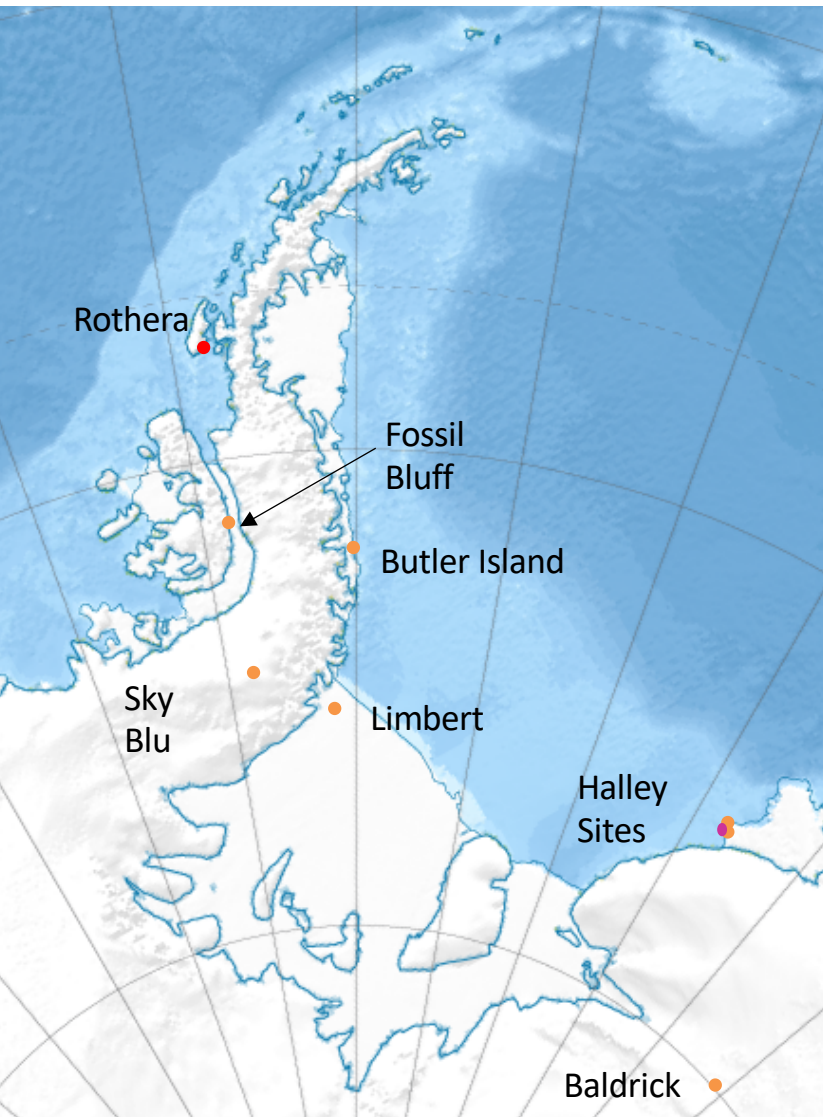


British Antarctic Survey

Automatic Weather Station Network
2018/19 Season Review

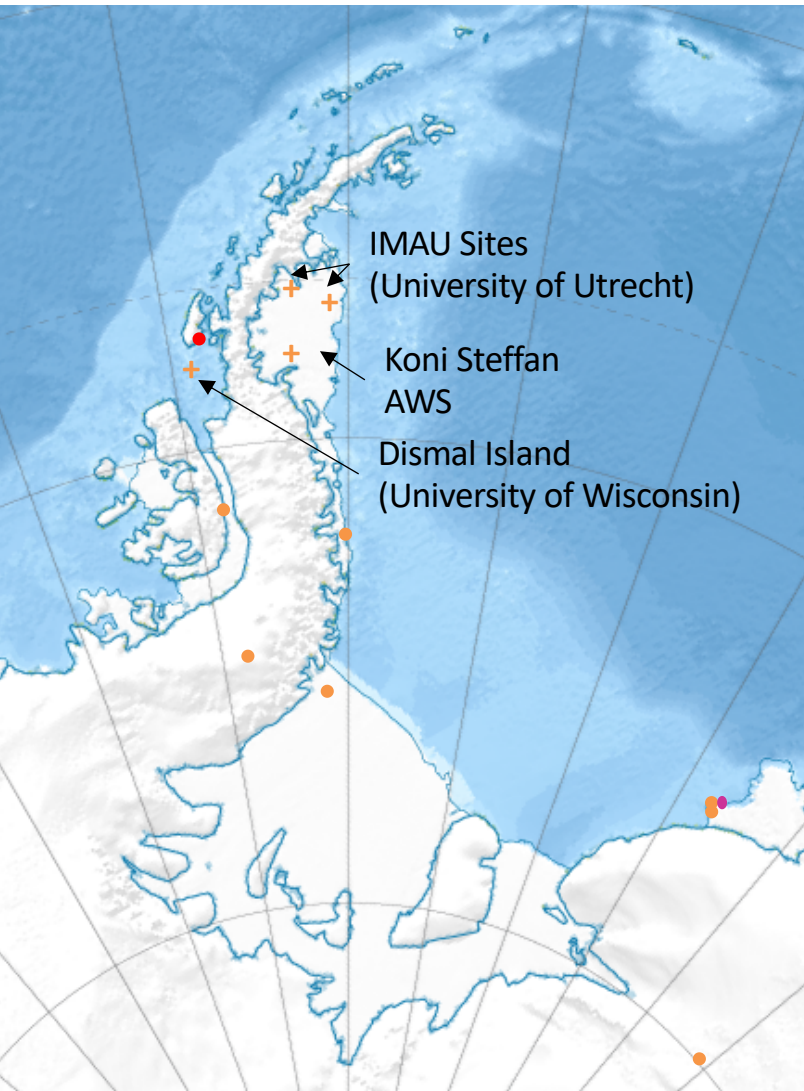
Steve Colwell



BAS AWS Network

- BAS manned station
- BAS manned station (summer only)
- BAS AWS

AWS Network



+ Non-BAS AWS

● BAS manned station

● BAS manned station
(summer only)

● BAS AWS

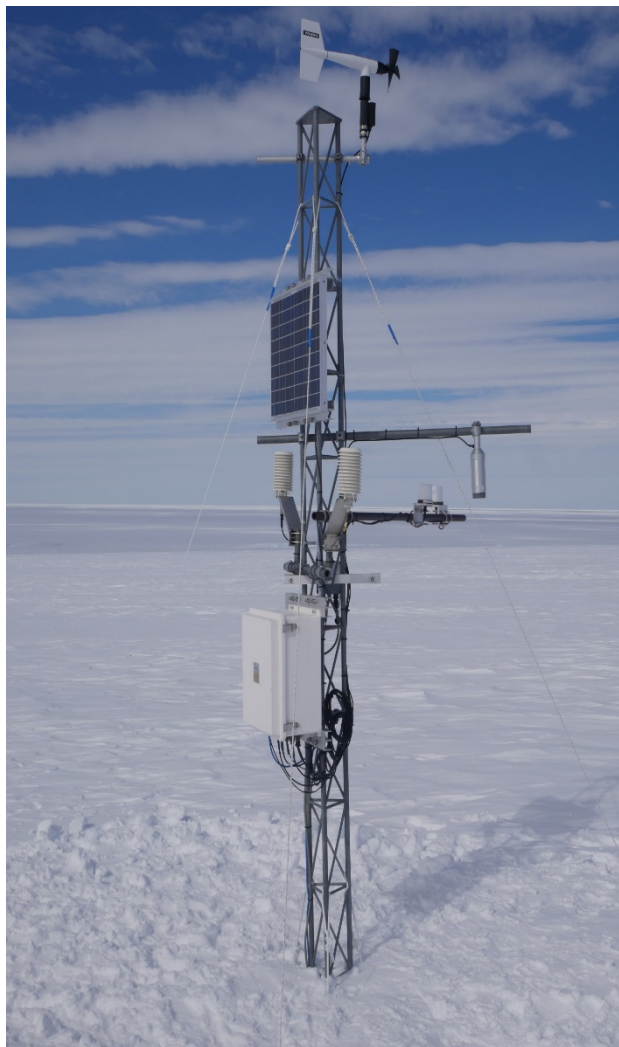


BAS AWS Network

- Propvane, sonic ranging snow accumulation sensor, HMP temperature and humidity sensor, PRT air temperature sensor, pressure sensor
- Powered by two or four x 100Ah 12V batteries (buried), charged by solar panel.
- Campbell Scientific CR1000 data loggers.
- 10 minute averaged data saved to card.
- 10 minute averaged data are transmitted via SBD Iridium every three hours.
- Complete data set is sent via Iridium once a week.

Butler Island

Visited on 10th December 2018



Replaced the 9522B Iridium modem with one that had been set up at Rothera in advance.

Replaced SR50 sonic ranger.

Raised Iridium antennas.

Lifted logger box.

Fossil Buff

Visited on 11th December 2018



SR50 sonic ranger transducer head replaced.

Guy lines were tightened and locking wire attached.

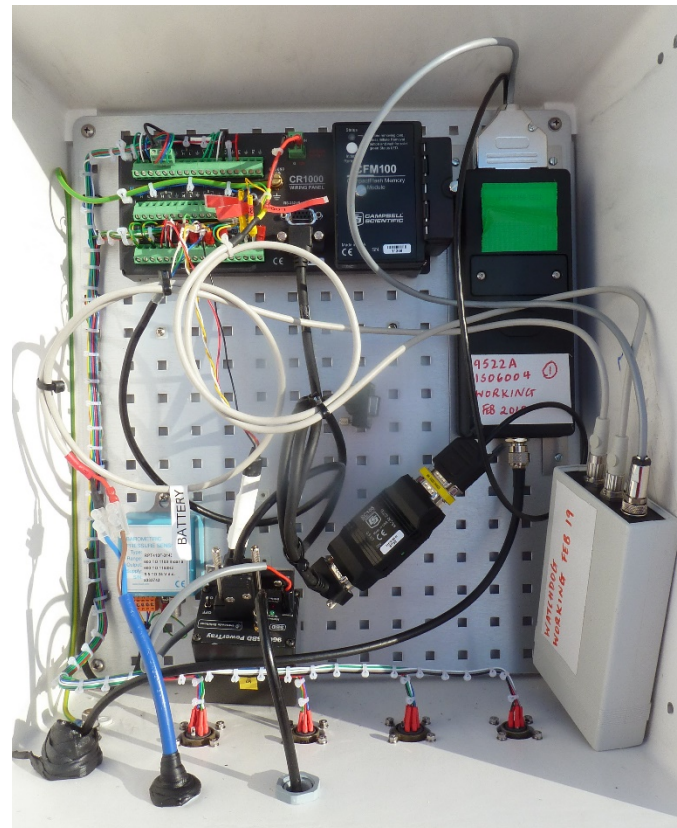
No evidence of moisture in the logger box this year, all seals look good. Desiccant placed in logger box as a precaution.

Sky Blu

Visited on 11th and 19th February 2019

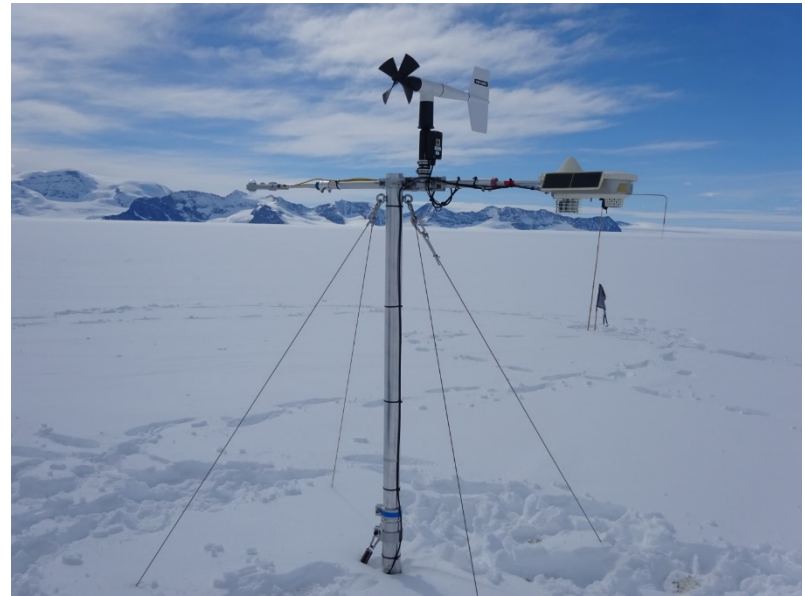
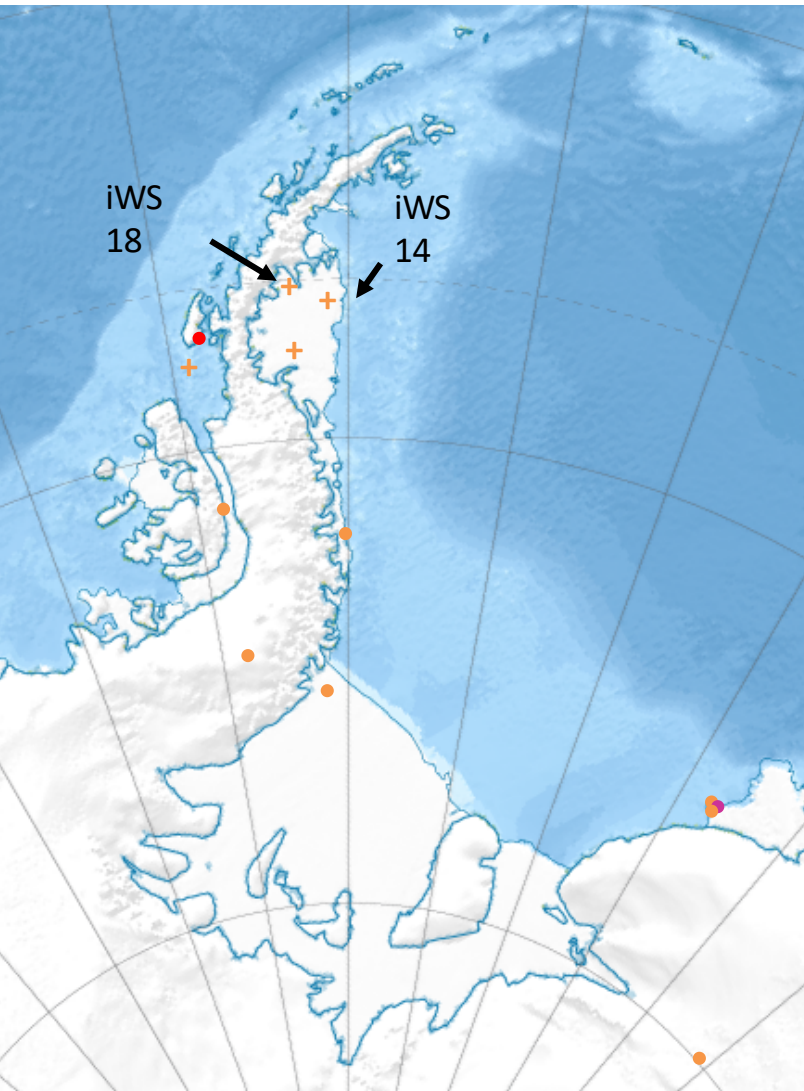


This site required two visits this season to resolve a communication issue with the Iridium modem.



Non-BAS AWS Network Work Carried out 2018/19

University of Utrecht – IMAU both visited on 27th November and 2018 and the iWS units were swapped



Questions



Photo Credit: Scott Webster