

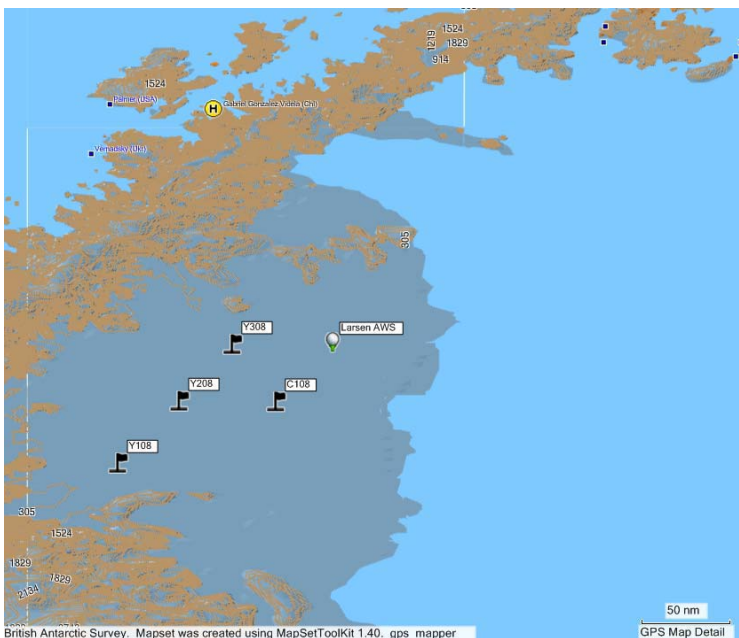
Antarctic Peninsula Automatic Weather Station Servicing by BAS for Summer 2008/09

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The British Antarctic Survey service 5 AWS on the Antarctic Peninsula. The AWS are Fossil Bluff, Sky Blu, Limbert, Butler Island and Larsen Ice Shelf, all are currently operating well. All of these AWS have now had Iridium modems installed and this then allows the data to be downloaded once a week and then allows completed CLIMAT messages to be calculated and the 10 minute values are also being uploaded onto the university of Wisconsin ftp site on a monthly basis.

A Kipp and Zonen CNR1 radiation sensor was installed on the Larsen AWS this season and that gives incoming and outgoing long-wave and short-wave radiation, this sensor seems to be operating well.

In addition, six new AWS were installed out of. Five of these are spread across the Larsen C ice shelf in a collaborative project between NSF (led by Konrad Steffen), IMAU (led by Michiel van den Broeke) and BAS (led by John King), in the locations marked below. One of the IMAU AWS is co-located with the BAS Larsen AWS.



NSF AWS with GPS, net radiation sensor and two sets of wind, temperature and humidity sensors spaced one metre apart. Three identical stations were installed on Larsen C this season.

All of these stations are also equipped with GPS and are transmitting data via the ARGOs or GOES satellite networks. An AWS was installed on the Fleming Glacier, just north of Alexander Island on the mainland, by the University of Valdivia, Chile, although this is not transmitting data at present.

Baldrik AWS was visited to replace the suspect pressure sensor, add an extra battery box and to download the data and this AWS is now operating well.

An AWS was also installed at Thiel Mountains by a collaborative effort between Ronald Ross and ALE (Antarctic Logistics & Expeditions) and the data from this AWS is being downloaded every hour via Iridium and it is then processed at BAS and inserted onto the GTS with WMO number 89087.

READER is in the process of being updated to the end of February 2009 to make the data complete for IPY.

The International Antarctic Forecasting Handbook has been turned into web pages and can be accessed at

[http://www.antarctica.ac.uk/met/momu/International Antarctic Weather Forecasting Handbook/index.htm](http://www.antarctica.ac.uk/met/momu/International_Antarctic_Weather_Forecasting_Handbook/index.htm)

Steve Colwell has been selected as the new chair of the SCAR Expert Group on Operational Meteorology in the Antarctic and one plan is to pull together all of the records of temperature, pressure wind speed and wind direction from surface stations, AWS and upper air stations and make the individual observations, in a standard format, available via a Google Earth style interface