

ANTARCTIC AUTOMATIC WEATHER STATION PROGRAM: 2012-2013 FIELD SEASON OVERVIEW

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1. Abstract

This 2012-2013 field season consisted of traveling to stations in the greater McMurdo area, visits to various stations on the Ross Ice Shelf, and time spent at WAIS (West Antarctic Ice Sheet) field camp in order to visit stations in the West Antarctic. One of our main goals was to expand a Freewave Network in the greater McMurdo area by installing an AWS on White Island, which also serves as a repeater. Other stations, such as Windless Bight and Minna Bluff, needed updating and servicing of their instrumentation. As usual, the weather and the availability of the vehicles for transportation were crucial factors in determining the amount of work we were

able to accomplish.

Our field team was able to visit 13 AWS this field season, but we were unable to reach the remaining 11 of 24 total AWS that we had planned to visit. This is considered to be a successful field season, but while we were able to reach some goals, there were some needs for improvement. This presentation includes an overview of the field season and network, status report, as well as any noteworthy observations, and a brief discussion of future plans.

2. Acknowledgements

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Figure 1. White Island AWS, installed December 2012

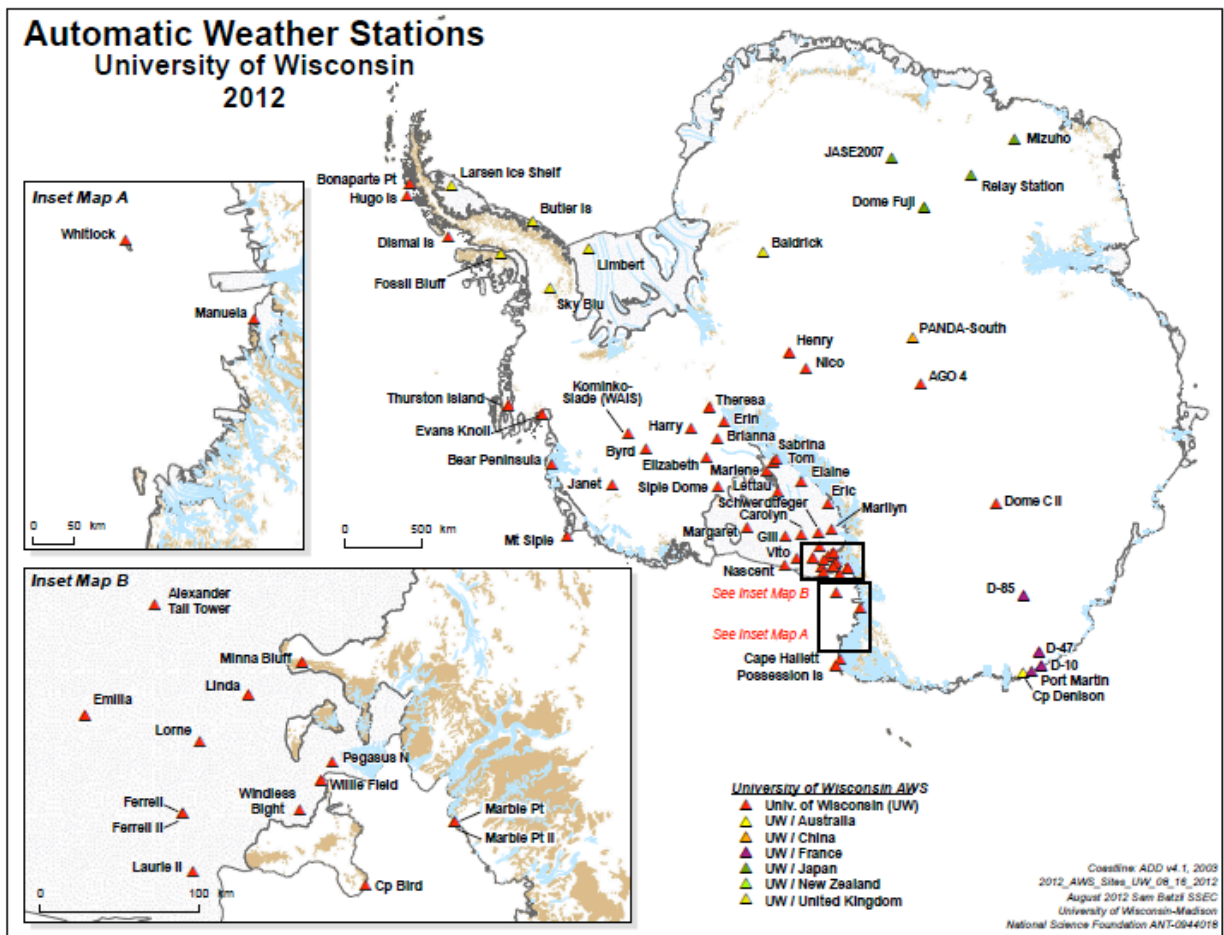


Figure 2. The 2012 Automatic Weather Station map of UW-Madison AWS