

The Mapserver, Terascan, and Ice Observations Form project software was written for and tested using the previous SCS Data System real-time data format on the USCGC Healy. This software was intended for use on the USCGC Polar Star, but was never updated to use the newer real-time data format from the USCGC Polar Star data systems. This project was halted per the request of USCG's Dave Cohoe (Dave.Cohoe@uscg.mil).

J. Scannell (anstett@ucar.edu)  
NCAR/EOL  
June 30th, 2013

## Ice Observations Information

On the mapit computer, the software is installed in /mnt/mapserver/html/iceobsform and /mnt/mapserver/cgi-bin/iceobsform.

The ice observations create and browse functions can be reached from the main Polar Star web page:

<http://64.38.133.55> located at /mnt/mapserver/html/index.html

The location of the ice observations directory may have to be changed in /mnt/mapserver/cgi-bin/iceobsform/config.pl, if this software is installed on another computer. The software is set up to allow values from the real-time ship data to be filled into the ice observations form, when creating a new ice observation. The fields that are automatically filled in when clicking on the "Start Observation" button are:

- Start time of report
- Start Latitude
- Start Longitude
- Ship speed
- Ship heading
- Air temperature
- Air pressure
- Wind speed port

Wind speed stbd  
Wind direction port  
Wind direction stbd  
Surface water temperature  
Surface water salinity  
Water depth

The fields that are automatically filled in when clicking on the “Stop Observation” button are:

Stop time of report  
Stop Latitude  
Stop Longitude

Since the software was never changed to use the newer real-time data format, these functions currently do not work. In order to fix these functions, the `ice_util.pl` program needs to be modified to read the real-time data from the ship and return the correct values. Also, the “return 5” statement near the end of the file needs to be commented out.

In the distributed version of the software, the software is located in `html/iceobsform` and `cgi-bin/iceobsform` and the main web page is located in `html/iceobsform/index.html`.