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## SS 12/2004

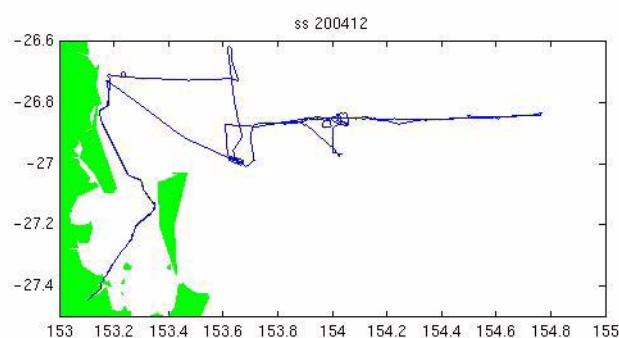
Brisbane - Brisbane

9 - 10 December 2004

*Data processing completed by*  
**Bernadette Heaney, March 2005**

### 1. Summary

These notes relate to the production of quality controlled (QC-ed), position, depth and meteorological data from RV Southern Surveyor sea trials after Topas installation, December 2004 (SS 12/2004).



## Processing Notes

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Position data was acquired using the Seapath 200 position and motion reference unit. Depth data was acquired with the Simrad EA500. The Divisional Data Librarian can assist with information regarding all other sensors.

## 2. Voyage details

“Topas sea trials.”

## 3. Processing Notes

### 3.1 Background Information

A combined underway file for the entire voyage, consisting of 10 second values of position, depth, meteorological and thermosalinograph variables was remade on 7 March 2005 - by reading data from hourly files returned from the voyage. (Time range 08-Dec-2004 00:46 - 10-Dec-2004 21:00, but survey data starts at 09-Dec-2004 00:23 as logging must have been started at wharf).

The water depth was “repicked” using SonarData’s Echoview software. The depth data was interpolated to 10 second values. The new depths were read back into the netcdf file. There was very little depth data recorded as the TOPAS instrument was being trialled.

The meteorological data consists of air temperature, humidity, light, atmospheric pressure, wind speed and direction and maximum wind gust.

There was no thermosalinograph data recorded.

## Processing Notes

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### 4. Other

The navigation, depth and meteorological data will be entered into the data warehouse. Position, depth and meteorological data extracted from the underway file will be available online.

### 5. References

Pender, L., 2000: Data Quality Control Flags. [http://www.csiro.marine.au/datacentre/ext\\_docs/DataQualityControlFlags.pdf](http://www.csiro.marine.au/datacentre/ext_docs/DataQualityControlFlags.pdf)

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