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## SS 9/2004

10:00 15 September 2004 Brisbane - 09:00 30 September 2004 Brisbane

*(Local times)*

*Data processing completed by*

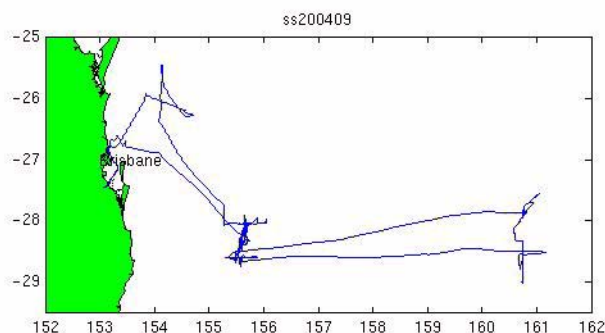
**Bernadette Heaney, October 2004**

*Wind Speed and Direction re-corrected by*

**Bernadette Heaney, June 2006**

### 1. Summary

These notes relate to the production of quality controlled (QC-ed), position, depth and meteorological and thermosalinograph data from RV Southern Surveyor voyage 9/2004.



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

## Processing Notes

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## 2. Voyage details

“Pelagic habitat and community comparisons in the fishing grounds of the tuna and billfish fishery off eastern Australia”

### 2.1 Principal Investigators

Dr Jock Young and Dr Alistair Hobday

CSIRO Marine Research, Hobart

## 3. Processing Notes

### 3.1 Background Information

Thermosalinograph raw files were modified to interpolate across spikes in temperature values.

A combined underway file for the entire voyage, consisting of 10 second values of position, depth, meteorological and thermosalinograph variables was remade on 14 October 2004 - by reading data from hourly files returned from the voyage and modified .tsr files. (Time range 00:04:40 0 15-Sep-2004 - 21:49:00 29-Sep-2004).

Processed water depth data is not available as the EA500 was used for recording upper water column data.

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

## Processing Notes

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It was noticed in January 2006 that the uwyLogger program had not been correcting the wind speed and wind direction data for ships motion. The wind speed and wind direction data were rechecked in June 2006; the data was flagged good, manually adjusted (48). MaxWindGust was set to NaN, and flagged as bad data.

The thermosalinograph data consists of water temperature and water salinity.

Some bottle samples were taken to compare the salinity values but unfortunately the time they were taken was not recorded. . CTD data was recorded when running the tsg flow through the CTD - CTD stations 34, 53 and 60. A salinity offset of 0.006 was determined by comparing the CTD data to the TSG salinity data. This offset has been added to the data.

## 4. Other

The navigation, meteorological and thermosalinograph data will be entered into the data warehouse. Position, meteorological and thermosalinograph data extracted from the underway file is 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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