

---

## ST 1/2007

18-Feb-2007 Hobart - 22-Feb-2007 Port Lincoln

*(Local times)*

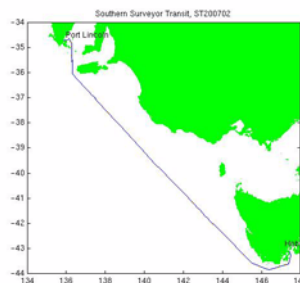
*Data processing completed by*  
**Bernadette Heaney, April 2007**

### 1. Summary

These notes relate to the production of quality controlled (QC-ed), position, meteorological and depth data from RV Southern Surveyor transit 1/2007.

### 2. Voyage details

“Southern Surveyor Transit 1/2007 Hobart - Port Lincoln.”



## Processing Notes

---

### 3. Processing Notes

#### 3.1 Background Information

Position data was acquired using the Seapath 200 position and motion reference unit (which also is differentially corrected by data from the FUGRO DGPS receiver).

Digital depth data was acquired with the Simrad EA500 sounder. Echograms were also recorded using SonarData's Echolog software. Digital depth data can be repicked using SonarData's Echoview software.

No thermosalinograph data was acquired on this transit.

The "Met" station consists of 2 relative humidity and temperature sensors, port (X2030106) and starboard (X20303107). A barometer (465595). A new licor light sensor (UWQ3708) had been installed during the previous port period, as had a new wind sensor (R M Young model 05106 Marine Grade). The rain sensor had been removed.

A combined underway file for the entire voyage, consisting of 10 second values of position, depth, meteorological and thermosalinograph variables was remade on 16-Apr-2007 - by reading data from hourly files returned from the ship. (Time range 18-Feb-2007 09:21:10 - 22-Feb-2007 05:48:50).

The meteorological data consists of air temperature, humidity, light, atmospheric pressure, wind speed and direction and maximum wind gust. The rain data is flagged as bad, none, hardware error.

The gps data was recorded from the Seapath MRU unit.

## Processing Notes

---

### 4. Other

The navigation, meteorological and depth data will be entered into the data warehouse. Position, meteorological and depth data 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)

Bernadette Heaney

CSIRO Marine Research

Hobart, Tas, Australia