

ST 2/2007

17-Mar-2007 17:00 Port Lincoln - 23-Mar-2007 08:00 Hobart

(Local times)

Data processing completed by
Bernadette Heaney, May 2007

1. Summary

These notes relate to the production of quality controlled (QC-ed), position, meteorological and depth data from RV Southern Surveyor transit 2/2007.

2. Voyage details

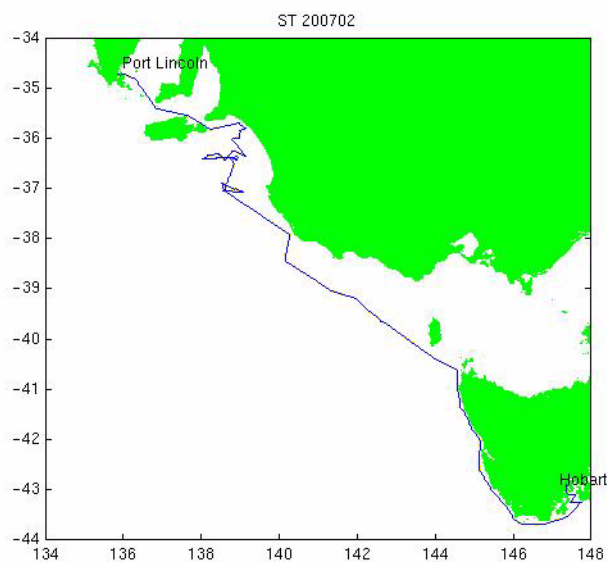
“The record of the ancient Lake Baudin located on the Lacedpede Shelf offshore South Australia.”

2.1 Principal Investigators

Prof Patrick Deckker, Australian National University, Canberra

Mr Peter Hill and Dr Chris von der Borch, Visiting Fellows, Australian National University

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.

Thermosalinograph data was acquired on this transit.

Processing Notes

The “Met” station consists of 2 relative humidity and temperature sensors, port (X2030106) and starboard (X20303107). A barometer (465595). Licor light sensor (UWQ3708). Wind sensor (R M Young model 05106 Marine Grade).

A combined underway file for the entire voyage, consisting of 10 second values of position, depth, meteorological and thermosalinograph variables was remade on 26-Apr-2007 - by reading data from hourly files returned from the ship. (Time range 17-Mar-2007 06:03:30 - 22-Mar-2007 19:40:00).

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

The gps data was recorded from the Seapath MRU unit.

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

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