NATSUSHIMA NT14-06 Navigation

Last Modified: 2014-09-05

ReadMe

Cruise ID: NT14-06
Navigation: Processed (DMO)-QCed
Data Policy: JAMSTEC
Observation Items:
Science Keywords:

Cruise Report
http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/NT14-06_all.pdf

For Using Data

Principal Investigator
Data Management Office

Use Constraints
See **Terms and Conditions** about constrain of use.

Data Citation
See **Terms and Conditions** about data citation.

Instrument
Instrument:
Radio navigation system

Overview
The following information is continuously collected and recorded as the Navigation QCed data during the cruise of R/V NATSUSHIMA.

Time
Location
Surface temperature
Wind direction and velocity
Current direction and velocity
Water depth

Data are recorded every one minute, and data file named after cruise code.

System
Manufacturer:SENA Co., Ltd.
Model: Sena Advanced Integrated Navigation System

Sensor specifications

1)GPS
Manufacturer: Trimble Navigation Limited (Receiver)
Fugro Survey Limited (D-GPS)
Model: SPS751 (Receiver)
Starfix-XP (D-GPS)
Location: Mast [starboard side]
Mast [port side]

2)Thermometer (seawater temperature)
Manufacturer:Murayama DENKI Ltd.
Model: DT-3110ARZ
Range: -10 - 50degC
Accuracy: +-0.1degC

3)Doppler sonar
Manufacturer:FURUNO ELECTRIC CO., LTD.
Model: DS-30
Range: Ship speed: -10.00 - +40.00knot [Cross direction]
-9.99 - +9.99knot [Horizontal direction]
Current direction and speed: 0.0 - 9.9knot [All direction]
Accuracy: Current speed: +-(2.0%+0.2knot)

4)Multi narrow beam echo sounder
Manufacturer:RESON Inc.
Model: SeaBat 8160
Frequency: 50kHz
Range: Max 3000m

5)Anemometer
Manufacturer:Nunotani Nautical Instrument Mfg. Co., Ltd.
Altitude: 20m (above sea level)
Range: Wind direction: all direction
Wind speed: 2 - 60m/s
Accuracy: Wind direction: +-5degree
Wind speed: 10m/s or less +-0.5m/s
10m/s or more +-0.5%

Related Information

Cruise Data Dive Data

Enlarge Image

NT14-06
Ship Name: NATSUSHIMA
Period: 2014-04-11 - 2014-04-20
Chief Scientist: Motohiro Shimanaga (Kumamoto University)
Proposal Title: The final piece for the study on the hypothesis of the passive meiofaunal migration between hydrothermal vents in "neighbor" seamounts: Research on the Bayonnaise Knoll caldera

Update History

2014-09-05	An observation data was registerd.
2014-06-30	An observation data was registerd.

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