

TURO QUOLL

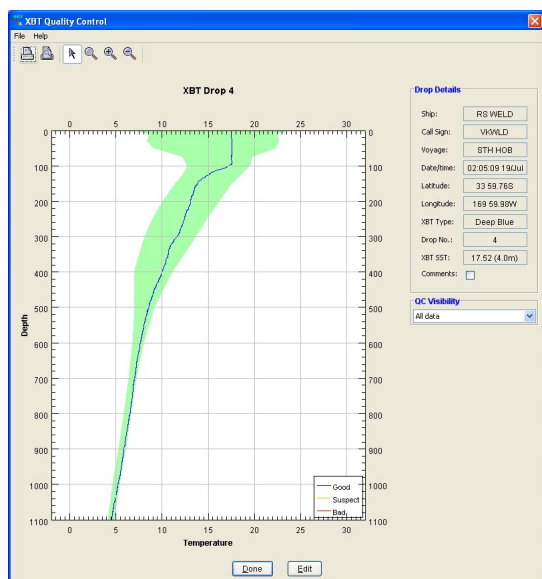
XBT Recorder with USB and Ethernet



Acquisition Recording Analysis

Flexible power choices

- ▶ USB bus powered
- ▶ Ethernet PoE powered
- ▶ External DC powered



- ▶ Compact and light weight
- ▶ Fully compatible with Sippican¹ launchers and probe
- ▶ Windows 7, Windows 8.1
- ▶ Global Charts
- ▶ Climatology database
- ▶ Quality control
- ▶ GPS input
- ▶ Satellite telemetry



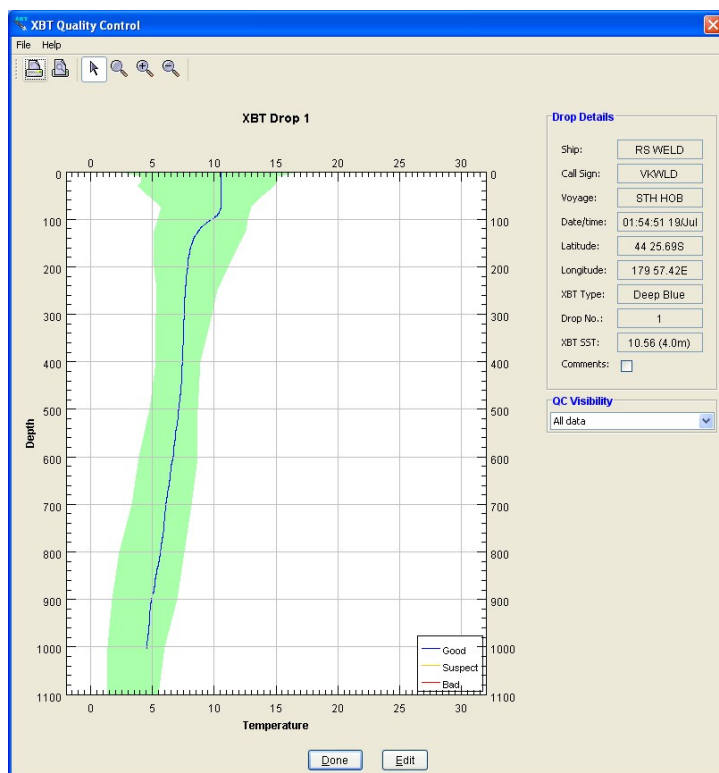
QUOLL XBT

data acquisition and recording system

XBT Acquisition and Recording

The Turo Quoll XBT System is fully compatible with Sippican¹ launchers and uses Sippican probes² to record ocean temperature profiles.

The System includes the Quoll acquisition unit and acquisition/processing/management software.



USB or Ethernet Connection

Quoll can be connected through either the USB or the Ethernet port.

Ethernet: For the first time a direct network interface to the XBT recorder is possible. And to add flexibility Quoll supports Power over Ethernet (PoE). Quoll can be powered either through a standard AC adapter or via its PoE function

USB: When USB is used, power comes from the USB connection and frees the unit from requiring an external power supply making it a truly simple and portable setup.

Acquisition, Processing and Management

Software included with Quoll offers:

- Windows XP or Windows 7 or Windows 8.1
- Four operating modes for Open, Restricted, SOOP and Secure situations each with Administrator and Operator permissions
- Global atlas
- Global climatology database
- First pass Quality Control analysis
- Display:
 - realtime temperature profile plot
 - single or multiple drops
 - climatology overlay
 - location of drops on the chart
 - colour coded QC on temperature graph
- Formats: netCDF, ascii, JJVV
- Automatic GPS input
- Iridium and Argos satellite transmission support
- Integral training simulator

XBT System

Compatibility

Fully compatible with Sippican¹ handheld and thru hull launchers
Uses Sippican¹ probes²

XBT Probes

Electrical
Sample rate
XBT connection
Computer connection

10 Hz
DB9 socket, Sippican¹ compatible
USB 2.0, full speed
or
Ethernet network
USB bus powered
or
Power over Ethernet (PoE)
or
External 12 - 30 volts DC, 300 mA

Power Supply

Mechanical

Size box (L x W x H)
Weight

139.0 x 106.0 x 28.5 mm
290 gm

Environment

Operating temperature

-5 to +60°C

Computer Requirements

Operating system
Computer I/O

Windows XP, Windows 7, Windows 8.1
USB or Ethernet network

Optional GPS

GPS module
Format
Computer I/O

Standard GPS unit
NMEA 0813 \$GPGLL or \$GPGGA
rs232

Optional Iridium Transmitter

Transmitter
Interface/Computer I/O

NAL 9601
rs232

Optional Argos Transmitter

Transmitter
Computer I/O

Seimac Wildcat Argos transmitter
Turo Argos Interface Module / rs232



Spotted Tail Quoll
(*Dasyurus maculatus*)
Tasmanian marsupial

¹ Lockheed Martin Sippican, Inc

² XBT probes T4, T5, T6, T7, T10, Deep Blue, Fast Deep

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