

# TURO QUOLL

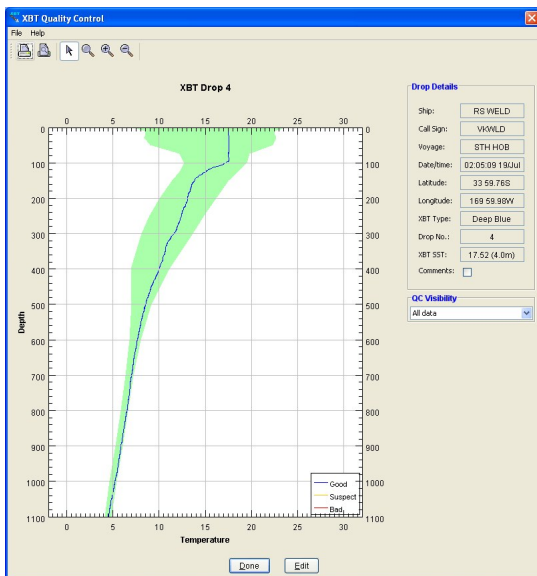
## XBT Recorder with USB and Ethernet



### Acquisition Recording Analysis

#### Flexible power choices

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



- ▶ Compact and light weight
- ▶ Fully compatible with Sippican<sup>1</sup> launchers and probe
- ▶ Windows XP (or Vista)
- ▶ Global Charts
- ▶ Climatology database
- ▶ Quality control
- ▶ GPS input
- ▶ Satellite telemetry



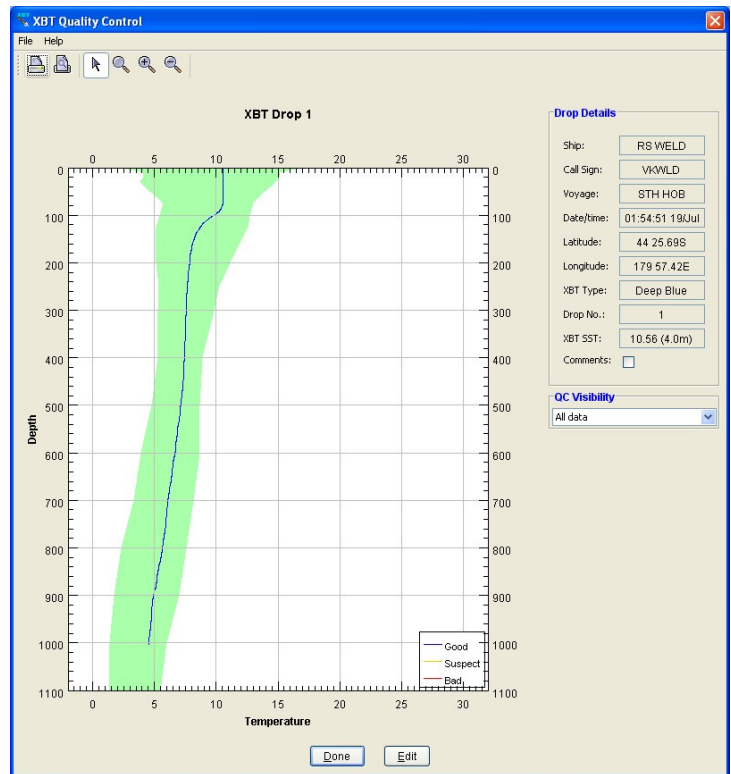
# QUOLL XBT

## data acquisition and recording system

### XBT Acquisition and Recording

The Turo Quoll XBT System is fully compatible with Sippican<sup>1</sup> launchers and uses Sippican probes<sup>2</sup> 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 Vista compatibility
- 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 Sippican<sup>1</sup> handheld and thru hull launchers  
Uses Sippican<sup>1</sup> probes<sup>2</sup>

XBT Probes

**Electrical**  
Sample rate  
XBT connection  
Computer connection

10 Hz  
DB9 socket, Sippican<sup>1</sup> 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, Vista  
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

<sup>1</sup> Lockheed Martin Sippican, Inc

<sup>2</sup> XBT probes T4, T5, T6, T7, T10, Deep Blue, Fast Deep

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