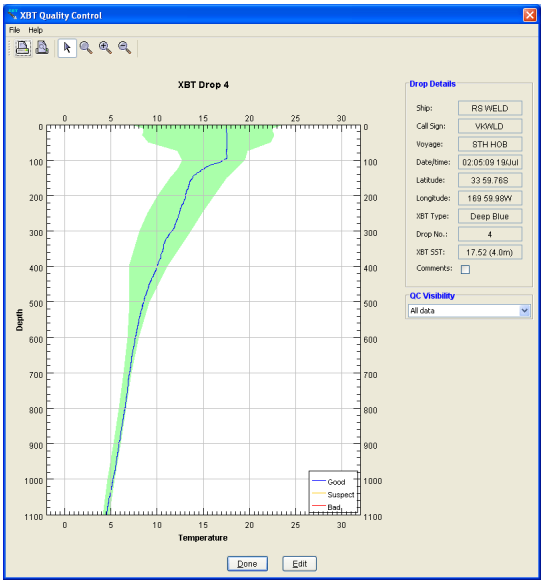
TURO QUOLL

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[1] launchers and XBTprobes
- Windows 7, 10, 11
- Global Charts
- Climatology database
- Quality control
- GPS input
- Satellite telemetry

TURO TECHNOLOGY PTY LTD
www.turo.com.au

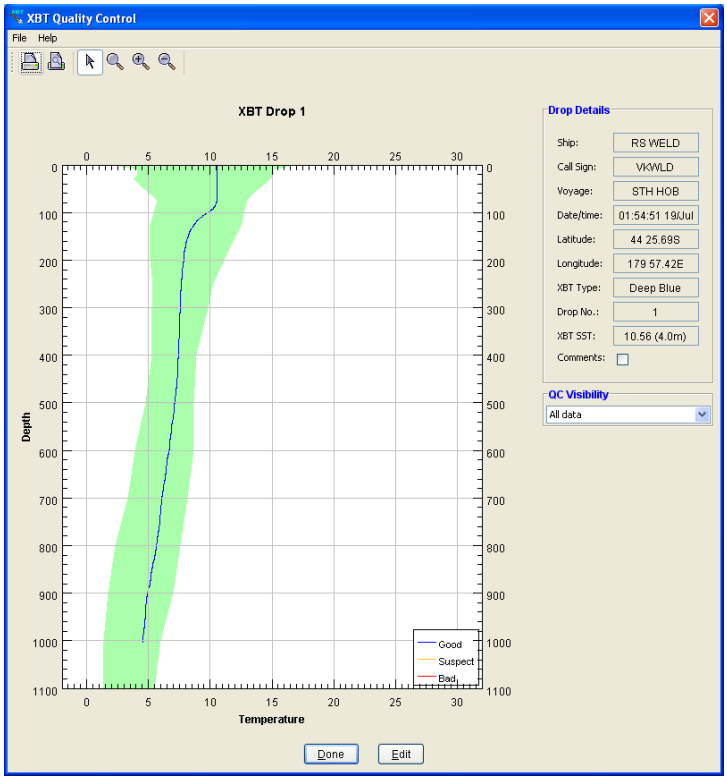
QUOLL XBT & XSV[3]

data acquisition and recording system

XBT and XSV[3] Acquisition and Recording

The Turo Quoll Expendable Probe System is fully compatible with Sippican[1] launchers and uses Sippican XBT probes[2] and XSV probes[3] to record ocean temperature and sound speed profiles.

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



USB or Ethernet Connection

Quoll can be connected through 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:
- 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
- Sound speed profile:
  - using XSV probes
  - using XBT probes with advanced climatology assisted algorithm or simple fixed salinity algorithm
- Display:
  - realtime temperature or sound speed profile plot
  - single or multiple drops
  - climatology overlay
  - location of drops on the chart
  - colour coded QC on temperature graph
- Formats: netCDF, ascii, JJVV, CALC, BUFR
- Automatic GPS input
- Iridium satellite transmission support
- Integral training simulator

XBT System	
Compatibility	Fully compatible with Sippican[1] handheld and thru hull launchers
Probes	Uses Sippican[1] XBT and XSV probes[2, 3]
Electrical	
Sample rate	10 Hz
Probe connection	DB9 socket, Sippican[1] compatible
Computer connection	USB 2.0, full speed or Ethernet network
Power Supply	USB bus powered or Power over Ethernet (PoE) or External 12 - 30 volts DC, 300 mA
Mechanical	
Size box (L x W x H)	139.0 x 106.0 x 28.5 mm
Weight	290 gm
Environment	
Operating temperature	-5 to +60°C
Computer Requirements	
Operating system	Windows 7, 10, 11
Computer I/O	USB or Ethernet network
Optional GPS	
GPS module	Standard GPS unit
Format	NMEA 0813 $GPGLL or $GPGGA
Computer I/O	rs232
Optional Iridium Transmitter	
Transmitter	NAL 9601
Interface/Computer I/O	rs232

Spotted Tail Quoll
(Dasyurus maculatus)
Tasmanian marsupial

1 Lockheed Martin Sippican, Inc
2 XBT probes T4, T5, T6, T7, T10, T11 Deep Blue, Fast Deep
3 XSV probes XSV-01, XSV-02, XSV-03 - only on Quoll XBT-sv model

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