

1e

Inverted Echo Sounder - Model 6.2 Deployment

Site/Project WBTS Site E

IES # URI SN# 155
Date: October 3, 2006

ACS function

TELEM:
XPND:
BEACON:
RELEASE:
CLEAR:

Benthos DS-7000 Command



TT Measure Rate: 24 pings every 60 minutes
Depth: 5233 meters ÷ 60 m/min = sink time = 87 min.

If cPIES: DCS s/n [signature]

DCS cable s/n [signature]

Recovery Devices:

Internal radio/flasher Channel# 77
PIES stand
Flag [check]

Attached & Working?

[check]
[check]

Launch Site: (type of fix GPS)

26° 29.923' N °LAT

72° 00.253' W °LONG

IES clock offset from GMT @ launch +5 seconds seconds (+early/- late)

Attach anchor, suspend & check slippage? [check]

Time of launch (GMT) 00:46 GMT Oct. 3, 2006

(Local) 20:46 local Oct. 2, 2006

IES start
22:52:12
Oct 2, 2006

ACS replies @ [signature] kHz

Reached bottom @ ~ 02:13 GMT

Bottom TT measure burst @ 03:00 GMT

Burst Telemetry @: _____ DS-7000 GAIN: _____ Distance: _____

SAMPLE#	Tau	Pressure	Speed	Direction
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____

ACS CLEAR when leaving site _____
NOTES:

23rd ping 03:06:09
24th ping 03:06:26

Inverted Echo Sounder - Model 6.2 Recovery

Site/Project Abaco Site E

IES # 155
Date: 4/14/08 (GMT)

ACS function

TELEM:
XPND:
BEACON:
RELEASE:
CLEAR:

Benthos DS-7000 Command



TT Measure Rate: 24 pings every 60 minutes
Depth: 5233 meters

Transpond slant range @ release: _____ m

Release command time 02:58 GMT * see notes

Leave bottom time Unknown

Surface time ~04:20 GMT

On board time ~06:00 GMT

IES OFF time ~06:05 GMT

IES clock offset from GMT @ recovery Unknown seconds (+early/- late)

Radio working? Yes
Flasher working? Yes

NOTES:

This recovery was unplanned. During the April 2008 cruise we planned to download data via telemetry, however upon arrival at the site we determined that the instrument was not audibly sampling and it did not respond to any commands (i.e. no 2-ping replies). After several hours we decided to attempt an emergency recovery. Because the PIES was not sending any replies to commands we could not be certain which of the several release commands that we sent from 02:40 through 03:30 that took, and the PIES never sent any 4-second pings to indicate that it was releasing, so we were somewhat surprised when it surfaced about 200-300 m behind the ship around 04:20 GMT. We had some difficulty maneuvering the ship to pick it up, but we finally got it on board. The data download process proved difficult and the TELEM.DAT file was accidentally overwritten. The data files indicate that the PIES has had some timing measurement problems for the past year.