

CTD 020

Id=114

Inverted Echo Sounder - Model 6.2 Deployment

Site/Project D/W13TSIES # 159
Date: 4/24/2011ACS functionBenthos DS-7000 Command

TELEM:

XPND:

BEACON:

RELEASE:

CLEAR:

TT Measure Rate: 24 pings every 60 minutes (actually ~ 62 min)
 Depth: 4664 meters ÷ 60 m/min = sink time = 75 min.

If cPIES: DCS s/n DCS cable s/n

Recovery Devices:

 Internal radio/flasher Channel# 77
PIES stand
 Flag
Attached & Working? ✓Launch Site: (type of fix GPS)
26° 30.16' N °LAT
075° 42.33' W °LONG

GO e

20.43

IES clock offset from GMT @ launch +4 seconds (+early/- late)Attach anchor, suspend & check slippage? ✓Time of launch (GMT) 02:29:22 GMT 4/25/11(Local) 10:29:22 PM 4/24/11ACS replies @ kHzReached bottom @ 11:31 pm local 4/24/11 Confirmed via rangingBottom TT measure burst @ 11:31 pm localBurst Telemetry @: DS-7000 GAIN: Distance:

SAMPLE#	Tau	Pressure	Speed	Direction
1	<u> </u>	<u> </u>	<u> </u>	<u> </u>
2	<u> </u>	<u> </u>	<u> </u>	<u> </u>
3	<u> </u>	<u> </u>	<u> </u>	<u> </u>
4	<u> </u>	<u> </u>	<u> </u>	<u> </u>

 ACS CLEAR when leaving site ✓
 NOTES:

 Auto release date 2015-07-26 16:00 GMT

This PIES had several issues: The transducer model was not set in the firmware therefore it did not transfer the maximum amount of power to the transducer resulting in barely audible pings. This was solved by entering the 'Secure' menu and telling the firmware the transducer type. The PIES also had memory card

 Ranges
 ≈ 4739
 4740

 When on
 bottom

D

Inverted Echo Sounder - Model 6.2 Recovery

Site/Project D

IES # 159
Date: 2/2/15

ACS function

Benthos DS-7000 Command

TELEM: _____

XPND: _____

BEACON: _____

RELEASE: _____

CLEAR: _____

TT Measure Rate: 24 pings every 60 minutes
Depth: 4664 meters

Transpond slant range @ release: _____ m

Release command time 8:25 GMT

Leave bottom time ~~8:25 GMT~~

Surface time 10:10

On board time 10:29

IES OFF time 10:35

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

Radio working? ✓

Flasher working? ✓

1010 See

118/4

NOTES:

clearly see 4 sec tick marks on the Knudsen

8:43 GMT PIES stopped pinging !!!

8:46 Sent release

8:47 sent release again

Assuming it released @ 8:43 it should be @ the surface @ 10:00 GMT or 05:00 L

156.875 MHz

moved closer to the site and we can see
on the screen that it's ...