

SEADATA IES CHECKOUT

INSTRUMENT # 50

DATE: 8 / 12 / 04

CRUISE: SHIP: Row Brown

PROJECT: ABACO 2004 site C

1. BATTERY VOLTAGES: MAIN: 15.71 15.71 15.70
RELEASE: 15.70

2. PINGER POWER LEVEL: HIGH MED LOW

3. POWER UP INSTRUMENT AND RECORD ENGINEERING DATA:

SLEEP CURRENT:	<u>0</u>
LOGIC 6V	<u>6.13</u>
SYSTEM 10V	<u>9.84</u>
RELEASE 10V	<u>10.46</u>
SYSTEM BATTERY	<u>15.28</u>
RELEASE BATTERY	<u>15.21</u>
SIGNAL VOLTAGE	<u>0</u>
RELEASE CURRENT	<u>0.8 1.09</u>
SYSTEM CURRENT	<u>8.1</u>

SET AND VERIFY OPERATING PARAMETERS

SOFTWARE REVISION	<u>2.1</u>
BURST LENGTH	<u>24</u>
BURSTS/HOUR	<u>1</u>
PING LENGTH	<u>6 MS</u>
PING INTERVAL	<u>10 SEC</u>
LOCKOUT TIME	<u>4.0 SEC</u>
SYNOPTIC OFFSET	<u>0</u>
TIMED RELEASE	<u>1750 HRS 24096 HRS (1004 DAYS)</u>
LEAK DISABLE	<u>10 HRS</u>
DATA FORMAT	

MODE	<u>URI</u>	1665
PWR SAVE	<u>ON</u>	OFF
ENG DATA	<u>ON</u>	OFF
MODE BYTE	ON	<u>OFF</u>
13 BIT FMT	ON	<u>OFF</u>
PID	<u>ON</u>	OFF

5. INSTRUMENT AUXILIARY MEASUREMENTS: PRESS TEMP WIND

A. Pressure Sensor Serial Number: Model 410K-153 S/N 46271

Site C

SN #50

6. DISCONNECT TERMINAL, WAIT UNTIL INSTRUMENT IS IN DEEP SLEEP MODE MEASURE RESISTOR VOLTAGES AND COMPUTE CURRENT DRAIN:

R9 0 V (Pinger current: 0 except during ping)
 R10 2 V (10V system reg: 0.1 ma press off, 1.5 ma on)
 R11 0.8 V (6V logic reg: 0.6 ma sleep, 5-6 ma term on)
 R12 1.2 V (10V release reg: 1.5-2.0 ma)

7. AIR CHECK FOR ECHOS

8. DUMP DATA CHECK

9. CHECK AUXILIARY MEAS: PRESS OK ☒ TEMP OK ☒ WIND OK ☒

10. RELEASE CODE: CHECK: ☒ BURNWIRE: ☒ PINGER ON ☒ 4 sec

11. RELOCATION PINGER CODE: CHECK:

12. FAST CYCLE CODE: CHECK:

13. LEAK DETECTOR CHECK: PINGER ON:

14. RELOCATION RADIO FREQUENCY 156.875 VERIFY OK ☒

SEAL INSTRUMENT - VERIFY PINGER SWITCH IN TRANSMIT POSITION

15. AT LAUNCH SITE - POWER ON INSTRUMENT AND RESET

START TIME OF FIRST BURST: 15:05:21 Z DATE: 9/30/04

16. DEPLOYMENT TIME: 17:26 (L) 21:26 Z (GMT) DATE: 9/30/04 (GMT)

17. DEPLOYMENT POSITION: LAT: 26° 30.009 N LONG: 076° 05.726 W

TELEMETRY:

EM 1805(L): 000001101101101101100 6k.081 = 4.86 mA 221k.089 = 15.25V

TT 1905(L): 000000110000000110001111 = 197007/20480 = 9.619 SEC

EM 2005(L): 000011101101101101101 14k.081 = 1.134 mA 221k.089 = 15.25V

2105(L): 00000001111011011110001 = 126193/20480 = 6.16185750 = 4621 M