

SP4X4 DEPLOYMENT CHECKLIST

SITE 1.1

Local Date: Aug 17 08 Data Logger No. 2000 - 50
 Cruise ID: _____ Acoustics No. 64
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: _____ Acoustics Deck Tests OK...
 Sensor Ball No: _____ DPG No: _____ Frame No. 14
 Ch. 0: X L28 Float No. 1
 Ch. 1: Y L28 Strobe No. 6
 Ch. 2: Z L28 Radio No. 29
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT
 Deploy time (GMT) 22:42:31
 Latitude 44° 50.081 N
 Longitude -125° 27.770
 Water depth ~~2870~~ 2652
 Ranging Survey Complete...
 Acoustics disabled...

DATA LOGGER CHECKOUT

Software Version 1.0.4g
PARAMETERS SET TO 4 CHANNELS, 100 Hz
 VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

Wakeup time: 2008:231:14:00:00
 (MM/DD/YY HH:MM:SS)
 ...Time tag OK
 ...Begin
 ...Time counting & correct
 ...Purge to -10" Hg

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!
 ... Insert Run-Plug
 ... Synchronize time base Date: Aug 17
 1st Synch at 2008:231:04:21:00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

CPU # A014
 A2D #: 0108004
 CF #: 5207048 Card #'s 1, 15-08, 1608
 PwrBd #: 5107006
 Backplane #: 08-041
 Clock Battery Backup: 3.6V

Checkout Sequence: A, B, C, D, E, F

NOTES:

RECOVERY

Date (Local): _____
 (MM/DD/YY)
 Acoustics: Enable... Response... Release...
 Release sent: _____
 GMT (HH:MM:SS)
 Inst. status: _____
 Time OK... TFOM _____ Julian Day _____
 (Run GPSDRIFT from Terminal)
 Time tag: 2008:200:01:28:20
 (YYYY:JDAY:HH:MM:SS)

Drift (ms): -2.673309 +1 = -1.673
 (Run Shift D from ZTerm)
 Shift D at: _____
 GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV
 Raw Filename: _____

GPS: 30:00

57.3266910

x water in unit.

LF

4X4 DEPLOYMENT CHECKLIST

SITE 2-1

Local Date: Aug 17 08 Data Logger No. 111
 Cruise ID: TRHW B Acoustics No. 72
 Instrument name: 2-1 Battery Bottle No. 2
 Checkout by: _____ Acoustics Deck Tests OK.....
 Sensor Ball No: 32 DPG No: 05029 Frame No. 17
 Ch. 0: X L28 Float No. 16
 Ch. 1: Y L28 Strobe No. 11
 Ch. 2: Z L28 Radio No. 27
 Ch. 3: Hydrophone Radio Check OK..... (160.725 Mhz)

DEPLOYMENT
 Deploy time (GMT) 02:18:14
 Latitude 44° 50.109N 44.83
 Longitude -125° 07.493W -125.
 Water depth 1850
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Software Version 1.0.4g
 PARAMETERS SET TO 4 CHANNELS, 50 Hz
 VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

Wakeup time: 2008:231:09:00:00
 (MM/DD/YY HH:MM:SS)

- ... Time tag OK
- ... Begin
- ... Time counting & correct
- ... Purge to -10" Hg

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!
 ... Insert Run-Plug
 ... Synchronize time base Date: Aug 17 08
 1st Synch at 2008:231:01:57:00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

CPU # 0108088 S: 492346
 A2D #: 0108076
 CF #: 5207047 Card #'s 53, 02, 16
 PwrBd #: 5707072 #1 - 1
 Backplane #: NA #2 - 0
 Clock Battery Backup: 3.7V #3 - 5
Checkout Sequence: A, B, C, D, E, F

NOTES: Trimium set T240

RECOVERY

Date (Local): _____ (MM/DD/YY)
 Acoustics: Enable.... Response.... Release....
 Release sent: _____ GMT (HH:MM:SS)
 Inst. status: _____
 Time OK... TFOM _____ Julian Day _____
 (Run GPSDRIFT from Terminal)
 Time tag: 2009:199:22:48:58.5955129
 (YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -1.4044871 + 1.0
 (Run Shift D from ZTerm) loop seco
 Shift D at: _____ GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV
 Raw Filename: _____

GPS: 53:00

DAS: 53:07

SP4X4 DEPLOYMENT CHECKLIST

SITE OBS 02.1

Local Date: 7/2/08 Data Logger No. 40
 Cruise ID: Treha - 2 Acoustics No. 32
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: P.G. Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 44
 Ch. 0: X L28 Float No. 2008-012
 Ch. 1: Y L28 Strobe No. 2000-40
 Ch. 2: Z L28 Radio No. 2002-18
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT

²⁰⁰⁸
 Deploy time (GMT) 185:00:11:01:00
 Latitude 44 50.7156 N
 Longitude 124 43.9642 W
 Water depth 523
 Ranging Survey Complete.....
 Acoustics disabled.....

No Flag (on purpose)

DATA LOGGER CHECKOUT

Software Version 1.0.4e

PARAMETERS SET TO 3 CHANNELS, 100 Hz

<u>VOLTAGES</u>	<u>CURRENT TESTS</u>
-----------------	----------------------

Batt-Bott. (>7.0 V.) / V. / mV

Logger (>+ 7.0 V.) 7.88 V. / mV

Wakeup time: 2008:184:23:00:00
(MM/DD/YY HH:MM:SS)

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

CPU # 0108002

A2D #: 0108026

CF #: 5207013 Card #'s 08026, 08024, 0743

PwrBd #: 5207012

Backplane #: 08-018

Clock Battery Backup: 2x

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

- ... Insert Run-Plug
- Synchronize time base Date: 7/2/08

1st Synch at 2008:184:17:58:00
(YYYY:JJJ:HH:MM:SS)

2nd Synch at /
(YYYY:JJJ:HH:MM:SS)

Time OK... Time Tag OK... TFOM 4

Checkout Sequence: A, B, C, D, E, F

NOTES:

Treha-2, SN40, July 2, 2008

RECOVERY Date (Local): 7/19/09 11:46p.m
(MM/DD/YY)

Acoustics: Enable... Response... Release...

Release sent: _____ GMT (HH:MM:SS)

Inst. status: _____

Time OK... TFOM 4 Julian Day _____

(Run GPSDRIFT from Terminal)

Time tag: 2009:201:06:46:59
(YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): _____

(Run Shift **D** from ZTerm)

Shift **D** at: _____ GMT (HH:MM:SS)

Battery voltages:

Batt-Bott. _____ V. _____ mV

Logger _____ V. _____ mV

Raw Filename: _____

2992202

GPS: 50:00

SP4X4 DEPLOYMENT CHECKLIST

SITE 0BS04.1

Local Date: 7/2/08 Data Logger No. 44
 Cruise ID: Trehu-2 Acoustics No. 30
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: P-T Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 23
 Ch. 0: X L28 Float No. 26
 Ch. 1: Y L28 Strobe No. 37
 Ch. 2: Z L28 Radio No. 74
 Ch. 3: Hydrophone Radio Check OK.... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 02:28 July 3rd
 Latitude 44.44844
 Longitude -124.29.115
 Water depth 150
 Ranging Survey Complete.....
 Acoustics disabled.....
NO FLAG

DATA LOGGER CHECKOUT

Software Version 1.0.42

PARAMETERS SET TO 3 CHANNELS, 100 Hz

<u>VOLTAGES</u>	<u>CURRENT TESTS</u>
-----------------	----------------------

Batt-Bott. (>7.0 V.) X V. X mV
 Logger (>+ 7.0 V.) 7.86 V. X mV

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

... Insert Run-Plug
 Synchronize time base Date: 7/2/08

1st Synch at 2008:184:18:24:00
(YYYY:JJJ:HH:MM:SS)

2nd Synch at _____
(YYYY:JJJ:HH:MM:SS)

Time OK... Time Tag OK... TFOM 4

Wakeup time: 7/3/08
(MM/DD/YY HH:MM:SS)
2008:185:12:00:00

- ... Time tag OK
- ... Begin
- ... Time counting & correct
- ... Purge to -10" Hg

CPU # 0108068
 A2D #: 0108007
 CF #: 5207081 Card #'s 08-101, 08-025, 07-36
 PwrBd #: 5107050
 Backplane #: 08-038
 Clock Battery Backup: 2XC

Checkout Sequence: **A, B, C, D, E, F**

NOTES: _____

RECOVERY Date (Local): _____
(MM/DD/YY)

Acoustics: Enable... Response... Release...

Release sent: _____
GMT (HH:MM:SS)

Inst. status: _____

Time OK... TFOM _____ Julian Day _____

(Run **GPSDRIFT** from Terminal)

Time tag: 2009:198:16:42:59.4007031
(YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -0.5992969 +20
leaps second

(Run **Shift D** from ZTerm)

Shift **D** at: _____
GMT (HH:MM:SS)

Battery voltages:

Batt-Bott. _____ V. _____ mV

Logger _____ V. _____ mV

Raw Filename: _____

GPS: 45.00
 mhz: 116.00

SP4X4 DEPLOYMENT CHECKLIST

SITE 5.1

Local Date: AUG 18 Data Logger No. 14
 Cruise ID: TREHV B Acoustics No. 75
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: _____ Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 17
 Ch. 0: X L28 Float No. 58 #
 Ch. 1: Y L28 Strobe No. 46
 Ch. 2: Z L28 Radio No. 58
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 1:54:11 A
 Latitude 44 35.196N
 Longitude -125 26.232W
 Water depth 2712
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Wakeup time: 2008:231:13:00:00
(MM/DD/YY HH:MM:SS)

Software Version 1.0.4g
PARAMETERS SET TO 3 CHANNELS, 100 Hz
VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

- ... Time tag OK
- ... Begin
- ... Time counting & correct
- ... Purge to -10" Hg

CPU # 010808z SS: 493060
 A2D #: 0108047
 CF #: 5207101 Card #'s 6, 8, no # 4gig
 PwrBd #: 5107060
 Backplane #: NA
 Clock Battery Backup: 3.6V

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

... Insert Run-Plug
 ... Synchronize time base Date: AUG 18
 1st Synch at 2008:231:07:44:00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

Checkout Sequence: A, B, C, D, E, F

NOTES:

RECOVERY

Date (Local): _____ (MM/DD/YY)
 Acoustics: Enable... Response... Release...
 Release sent: _____ GMT (HH:MM:SS)
 Inst. status: _____
 Time OK... TFOM _____ Julian Day _____
 (Run GPSDRIFT from Terminal)
 Time tag: 2009:199:04:34:59.1661064
 (YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -0.8338936 + 1.0
 (Run Shift D from ZTerm) Leap Sec
 Shift D at: _____ GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV
 Raw Filename: _____

GPS → 38:00
 OBS → 38:01 Service Radio #58

*NO 1 0 4

SP4X4 DEPLOYMENT CHECKLIST

SITE 6-1

Local Date: Aug-17 Data Logger No. 69
 Cruise ID: TREHU B Acoustics No. 78
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: _____ Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 33
 Ch. 0: X L28 Float No. 5
 Ch. 1: Y L28 Strobe No. 63
 Ch. 2: Z L28 Radio No. 73
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT
 Deploy time (GMT) 07:40:00
 Latitude 44° 34.411
 Longitude -125° 08.822
 Water depth 740m 8.82
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Wakeup time: 2008:230:20:00:00
(MM/DD/YY HH:MM:SS)

Software Version 1.0.4g
PARAMETERS SET TO 4 CHANNELS, 100 Hz
VOLTAGES **CURRENT TESTS**
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

... Insert Run-Plug
 ... Synchronize time base Date: Aug 17
 1st Synch at 2008:230:09:59:00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

CPU # 0108009
 A2D #: 0108049
 CF #: 5207006 Card #'s 11-08, 13-08, 14-08
 PwrBd #: 5707108
 Backplane #: 08-037
 Clock Battery Backup: 3.3V

Checkout Sequence: A, B, C, D, E, F

NOTES:

check CPU

RECOVERY

Date (Local): 7/19/2009 1:35 p.m
(MM/DD/YY) Local

Acoustics: Enable... Response... Release...

(Run Shift D from ZTerm)

Release sent: _____

Shift D at: _____

Inst. status: _____

Battery voltages: _____

Time OK... TFOM 4 Julian Day _____

Batt-Bott. _____ V. _____ mV

(Run GPSDRIFT from Terminal)

Logger _____ V. _____ mV

Time tag: 2009:200:20:36:08.
(YYYY:JDAY:HH:MM:SS.SSS)

Raw Filename: _____

6842223

*System seems to have gone into full power cycle on recovery.
Time Tag & Time

see logs Large Drift

* NO FLAG *

SP4X4 DEPLOYMENT CHECKLIST

SITE OBS 07.1

Local Date: 7/2/08 Data Logger No. 33
 Cruise ID: Trehu-2 Acoustics No. 19
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: P-T Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 56
 Ch. 0: X L28 Float No. 27
 Ch. 1: Y L28 Strobe No. 2000-42
 Ch. 2: Z L28 Radio No. 2002-43
 Ch. 3: Hydrophone Radio Check OK.... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 21:05
 Latitude 44.37.911
 Longitude 127.44.432
 Water depth 276
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Software Version V1.0.4e

PARAMETERS SET TO 3 CHANNELS, 100 Hz

<u>VOLTAGES</u>	<u>CURRENT TESTS</u>
-----------------	----------------------

Batt-Bott. (>7.0 V.) 7.85 V. _____ mV

Logger (>+ 7.0 V.) 7.85 V. _____ mV

Wakeup time: 2008: 185: 12: 00: 00
(MM/DD/YY HH:MM:SS)

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

CPU # 0108 095

A2D #: 0108 028

CF #: 5207 061 Card #'s 08035, 08102, 07-048

PwrBd #: 5107039

Backplane #: 08-033

Clock Battery Backup: 2xc

#1 - 48
 #2 - 30
 #3 - 1

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

- ...Insert Run-Plug
 -Synchronize time base Date: 7/2/08
- 1st Synch at 2008: 184: 23: 48: 00
(YYYY:JJJ:HH:MM:SS)

2nd Synch at _____
(YYYY:JJJ:HH:MM:SS)

Time OK... Time Tag OK... TFOM 4

Checkout Sequence: A, B, C, D, E, F

NOTES: Trehu-2 SN 33 July 2, 2008

RECOVERY Date (Local): July 17, 2009
(MM/DD/YY)

Acoustics: Enable... Response... Release...

Release sent: _____
GMT (HH:MM:SS)

Inst. status: 11:09 a.m on deck

Time OK... TFOM _____ Julian Day _____

(Run GPSDRIFT from Terminal) 2009: 198: 19: 15: xx 1714399

Time tag: 2009: 198: 19: 15: 1714399
(YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): Using 00.1714399 + 1.0

(Run Shift D from ZTerm)

Shift D at: _____
GMT (HH:MM:SS)

Battery voltages: _____

Batt-Bott. _____ V. _____ mV

Logger _____ V. _____ mV

Raw Filename: _____

OFFSET 0.70

??
 00??
 could not enter minute mode

No response it started working on every second
 95 would not work
 Bad pins on CPU - n

P4X4 DEPLOYMENT CHECKLIST

SITE 9.1

Local Date: AUG 15th Data Logger No. 106
 Cruise ID: TREHU B Acoustics No. 103
 Instrument name: 9.1 Battery Bottle No. 001
 Checkout by: PI Acoustics Deck Tests OK.....
 Sensor Ball No: 40 DPG No: 05035 Frame No. 26
 Ch. 0: X L28 Float No. 74
 Ch. 1: Y L28 Strobe No. 77
 Ch. 2: Z L28 Radio No. 49
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT local
 Deploy time (GMT) 01:28 AM C
 Latitude 44° 16.465 A
 Longitude -125° 33.58 B
 Water depth 2950 D
 Ranging Survey Complete..... F
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Wakeup time: 2008-229:14:00:00
(MM/DD/YY HH:MM:SS)

Software Version 1.0.4g
 (K) PARAMETERS SET TO 4 CHANNELS, 50 Hz
 VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

... Insert Run-Plug
 ... Synchronize time base Date: AUG 15, 08
 1st Synch at 2008:229:04:18:00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

CPU # A007 SEASCAN 475924
 A2D #: 0108093
 CF #: A027 Card #'s 32, 41, 61
 PwrBd #: A008
 Backplane #: NA
 Clock Battery Backup: 3.6V

Checkout Sequence: A, B, C, D, E, F

NOTES: TRILLIUM set 240

RECOVERY

Date (Local): _____ (MM/DD/YY)
 Acoustics: Enable... Response... Release...
 Release sent: _____ GMT (HH:MM:SS)
 Inst. status: _____
 Time OK... TFOM _____ Julian Day _____
 (Run GPSDRIFT from Terminal)
 Time tag: 2009:196:19:37:58.7731908
 (YYYY:JDAY:HH:MM:SS.SSS)

Drift (sec): -1.2268092 + 1 for leap sec
 (Run Shift D from ZTerm)
 Shift D at: _____ GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV
 Raw Filename: _____

Radio needs servicing

ps: :00

Leap seconds

SP4X4 DEPLOYMENT CHECKLIST

SITE 10-1

Local Date: AUG 16th 08 Data Logger No. 73
Cruise ID: TRRHUB Acoustics No. 67
Instrument name: SP 10-1 Battery Bottle No. _____
Checkout by: _____ Acoustics Deck Tests OK.....
Sensor Ball No: _____ DPG No: _____ Frame No. 28
Ch. 0: X L28 Float No. 25
Ch. 1: Y L28 Strobe No. 39
Ch. 2: Z L28 Radio No. 54
Ch. 3: Hydrophone Radio Check OK..... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 6:29:57
Latitude 44° 16.838 44.2
Longitude -125° 08.520 -125.
Water depth 1323
Ranging Survey Complete.....
Acoustics disabled.....

DATA LOGGER CHECKOUT

Software Version 1.0.4g
PARAMETERS SET TO 4 CHANNELS, 100 Hz
VOLTAGES CURRENT TESTS
Batt-Bott. (>7.0 V.) _____ V. _____ mV
Logger (> 7.0 V.) _____ V. _____ mV

Wakeup time: 2008:230:10:00:00
(MM/DD/YY HH:MM:SS)

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!
 ... Insert Run-Plug
 ... Synchronize time base Date: AUG 16th 08
1st Synch at 2008:230:04:09:00
(YYYY:JJJ:HH:MM:SS)
2nd Synch at _____
(YYYY:JJJ:HH:MM:SS)
Time OK... Time Tag OK... TFOM 4

CPU # 0108051
A2D #: 0108053
CF #: 5207076 Card #'s 37, T208, 63
PwrBd #: 5107109
Backplane #: 08-002
Clock Battery Backup: 3.3V

Checkout Sequence: A, B, C, D, E, F

NOTES:

RECOVERY

Date (Local): _____
(MM/DD/YY)
Acoustics: Enable.... Response.... Release....
Release sent: _____
GMT (HH:MM:SS)
Inst. status: _____
Time OK... TFOM 4 Julian Day 197
(Run GPSDRIFT from Terminal)
Time tag: 2009:197:20:37:59.4762794
(YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -0.5237206 +1.0
(Run Shift D from ZTerm)
Shift D at : _____
GMT (HH:MM:SS)
Battery voltages:
Batt-Bott. _____ V. _____ mV
Logger _____ V. _____ mV
New Filename: _____

GPS : 41:00
GBS : 41:01
(on edge)
Almost exact

Bad Horizontal channel on data
Leap Second

SP4X4 DEPLOYMENT CHECKLIST

SITE OBS 11-1

Local Date: 7/2/08 Data Logger No. 31
 Cruise ID: TREHU-2 Acoustics No. 20
 Instrument name: _____ Battery Bottle No. X
 Checkout by: P.T. Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 50
 Ch. 0: X L28 Float No. 2008-08
 Ch. 1: Y L28 Strobe No. 2008-114
 Ch. 2: Z L28 Radio No. 2002-14
 Ch. 3: Hydrophone Radio Check OK.... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 07:16:36
 Latitude 44°19.740
 Longitude 124°44.767
 Water depth 128
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Software Version 1.04E why?

PARAMETERS SET TO 3 CHANNELS, 100 Hz

VOLTAGES

CURRENT TESTS

Batt-Bott. (>7.0 V.) 7.85 V. _____ mV

Logger (>+ 7.0 V.) _____ V. _____ mV

Wakeup time: 2008.185.12:00:00
(MM/DD/YY HH:MM:SS)

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

CPU # 0108023

A2D #: 0108029

CF #: 5207090 Card #'s 08 007 08 039 08-100

PwrBd #: 5107031

Backplane #: 08-016

Clock Battery Backup: 2xc 3.9V

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

- ... Insert Run-Plug
- Synchronize time base Date: 7/2/08

1st Synch at 2008.185.05.40:00
(YYYY:JJJ:HH:MM:SS)

2nd Synch at _____
(YYYY:JJJ:HH:MM:SS)

Time OK... Time Tag OK... TFOM 4

Checkout Sequence: **A, B, C, D, E, F**

NOTES:

TREHU-2, SP31, 2 JULY

RECOVERY

Date (Local): _____
(MM/DD/YY)

Acoustics: Enable.... Response.... Release....

Release sent: _____
GMT (HH:MM:SS)

Inst. status: _____

Time OK... TFOM _____ Julian Day _____

(Run GPSDRIFT from Terminal)

Time tag: 2009:198:00:31:56.6678501
(YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -3.33215 + 2.0

(Run Shift **D** from ZTerm)

Shift **D** at: _____
GMT (HH:MM:SS)

Battery voltages:

Batt-Bott. _____ V. _____ mV

Logger _____ V. _____ mV

Raw Filename: _____

↑ leap second

GPS :36:00
OBS :36:04

Large Drift

SP4X4 DEPLOYMENT CHECKLIST

SITE OBS 12.1

Local Date: July 2 08 Data Logger No. 10
 Cruise ID: TRCN-2 Acoustics No. 0002
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: P-T Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 54
 Ch. 0: X L28 Float No. 009
 Ch. 1: Y L28 Strobe No. 2002-2
 Ch. 2: Z L28 Radio No. 2008-116
 Ch. 3: Hydrophone Radio Check OK..... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 9:12:19
 Latitude 44°12.012
 Longitude -124°27.673
 Water depth 103
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER C

Software Version _____

PARAMETERS SET

VOL _____

Batt-Bott. (>7.0 V.) _____

Logger (>+ 7.0 V.) _____

LOGGER START

DISCONNECT

- ... Insert Run-Plu
- Synchronize ti

1st Synch at 2008:185:05:54:00
 (YYYY:JJJ:HH:MM:SS)

2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)

Time OK... Time Tag OK... TFOM 4

OBS 12.1
 SN 10
 3CH / 100 HZ
 SYNCH 2008: 185: 05: 54: 00
 TAG 2008: 238: 17: 45: 59.8332924
 DRIFT 833.2924 MS

Clock Battery Backup: LAC 3.9V

Checkout Sequence: A, B, C, D, E, F

NOTES:

TRCN-2 SP10 2 JULY 2008

RECOVERY

Date (Local): 08/25/2008
 (MM/DD/YY)

Acoustics: Enable.... Response.... Release....

Release sent: _____
 GMT (HH:MM:SS)

Inst. status: _____

Time OK... TFOM 4 Julian Day 238

(Run GPSDRIFT from Terminal)

Time tag: 2008:238:17:45:59.8332924
 (YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): ~~54.8332963~~ 833.2924ms

(Run Shift D from ZTerm)

Shift D at: _____
 GMT (HH:MM:SS)

Battery voltages:

Batt-Bott. _____ V. _____ mV

Logger 7.727 V. _____ mV

Raw Filename: _____

WASH ED UP

clock batt: 3.9V

OFF SET: 2008

★ NO FLAG ★

4X4 DEPLOYMENT CHECKLIST

SITE 14.1

Local Date: Aug 16 Data Logger No. 105
 Cruise ID: TRUM B Acoustics No. 82
 Instrument name: _____ Battery Bottle No. 9
 Checkout by: PT Acoustics Deck Tests OK.....
 Sensor Ball No: 8 DPG No: 7 Frame No. 36
 Ch. 0: X L28 Float No. 51
 Ch. 1: Y L28 Strobe No. 7
 Ch. 2: Z L28 Radio No. 39
 Ch. 3: Hydrophone Radio Check OK..... (160.725 Mhz)

DEPLOYMENT
 Deploy time (GMT) 06:20 AM
 Latitude 43.9997
 Longitude -125.15018
 Water depth 1534
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Wakeup time: 2008:229:22:00:00
(MM/DD/YY HH:MM:SS)

Software Version 1.0.1g
 PARAMETERS SET TO 4 CHANNELS, 50 Hz
 VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

- ... Time tag OK
- ... Begin
- ... Time counting & correct
- ... Purge to -10" Hg

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!
 ... Insert Run-Plug
 ... Synchronize time base Date: Aug 16
 1st Synch at 2008:229:12:44:00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

CPU # A013 SS: 475911
 A2D #: 0108082
 CF #: A029 Card #'s 23, 38, 46
 PwrBd #: A009 No #
 Backplane #: NA No Da
 Clock Battery Backup: 3.7V

Checkout Sequence: A, B, C, D, E, F

NOTES: TRUM 240

RECOVERY

Date (Local): _____
 (MM/DD/YY)
 Acoustics: Enable... Response... Release...
 Release sent: _____
 GMT (HH:MM:SS)
 Inst. status: _____
 Time OK... TFOM _____ Julian Day _____
 (Run GPSDRIFT from Terminal)
 Time tag: 2009:196:23:41:42.6569288
 (YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -17.3430712 + 7 sec
 (Run Shift D from ZTerm)
 Shift D at: _____
 GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV

GPS: 2009:196:23:46:00
 DRG: 2009:201:22:46:12

Time wayoff !!!
 ★ NO FLAG ★

check Clocks

SP4X4 DEPLOYMENT CHECKLIST

SITE ⁰⁰⁰ 16.1

Local Date: 7/2/08 Data Logger No. 25
 Cruise ID: Trehu-2 Acoustics No. 3
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: M.A. Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 71
 Ch. 0: X L28 Float No. 17
 Ch. 1: Y L28 Strobe No. 63
 Ch. 2: Z L28 Radio No. 47
 Ch. 3: Hydrophone Radio Check OK.... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 22:41.55
 Latitude 44° 29.469
 Longitude -124° 37.685
 Water depth 167
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Software Version 1.0.4e *why?*

PARAMETERS SET TO 3 CHANNELS, 100 Hz

VOLTAGES CURRENT TESTS

Batt-Bott. (>7.0 V.) _____ V. _____ mV

Logger (>+ 7.0 V.) 7.86 V. _____ mV

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

... Insert Run-Plug
 Synchronize time base Date: 7/2/08
 1st Synch at 2008-185:03:02:00
 (YYYY:JJJ:HH:MM:SS)

2nd Synch at _____
(YYYY:JJJ:HH:MM:SS)

Time OK... Time Tag OK... TFOM 4

Wakeup time: ~~#8~~ 2008-185:12:00:00
(MM/DD/YY HH:MM:SS)

- ... Time tag OK
- ... Begin
- ... Time counting & correct
- ... Purge to -10" Hg

CPU # 0108019

A2D #: 0108090

CF #: 5207102 Card #'s 08006 07 08
41 104

PwrBd #: 5107008

Backplane #: 08-035

Clock Battery Backup: 2C 3.8V

Checkout Sequence: A, B, C, D, E, F

NOTES: Trehu-2 SN 25, July 2

RECOVERY

Date (Local): _____
(MM/DD/YY)

Acoustics: Enable... Response... Release...

Release sent: _____
GMT (HH:MM:SS)

Inst. status: _____

Time OK... TFOM _____ Julian Day _____

(Run GPSDRIFT from Terminal)

Time tag: 2009:198:19:46:59.2962967
(YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -0.7037033 + 7.0
(leaf screen)

(Run Shift D from ZTerm)

Shift D at: _____
GMT (HH:MM:SS)

Battery voltages:

Batt-Bott. _____ V. _____ mV

Logger _____ V. _____ mV

Raw Filename: _____

GPS: :50:00

obs: :50:01

*NO RADIO ANTENNA

SP4X4 DEPLOYMENT CHECKLIST

SITE 17.0

Local Date: Aug 17 08 Data Logger No. 20
 Cruise ID: TECH B Acoustics No. 38
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: _____ Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. 52
 Ch. 0: X L28 Float No. 18
 Ch. 1: Y L28 Strobe No. 18
 Ch. 2: Z L28 Radio No. 19
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 09:22:31
 Latitude 44.29.3524 29.31
 Longitude 124.55.0102
 Water depth 550 54.9'
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Software Version 1.0.4g
 PARAMETERS SET TO 4 CHANNELS, 100 Hz
 VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

Wakeup time: 2008:230:17:00:00
(MM/DD/YY HH:MM:SS)

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!
 ... Insert Run-Plug
 ... Synchronize time base Date: Aug 17 08
 1st Synch at 2008:230:07:14:00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

CPU # A030 SS:475894
 A2D #: 0108042
 CF #: 5207093 Card #'s 27, 26, ~~#61004~~
861000!
 PwrBd #: 5107093
 Backplane #: 08-029
 Clock Battery Backup: 3.3

Checkout Sequence: A, B, C, D, E, F

NOTES:

RECOVERY

Date (Local): _____
 (MM/DD/YY)
 Acoustics: Enable... Response... Release...
 Release sent: _____
 GMT (HH:MM:SS)
 Inst. status: _____
 Time OK... TFOM _____ Julian Day _____
 (Run GPSDRIFT from Terminal)
 Time tag: 2009:198:21:40:59.6432507
 (YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): -0.35674930 + 7.
 (Run Shift D from ZTerm)
 Shift D at: _____
 GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV

Raw Filename: _____

GPS: :44:00.

OBS : :44:00

7.
 ↓
 keep screw!

★ NO FLAG

SP4X4 DEPLOYMENT CHECKLIST

SITE 18.0

Local Date: AUG 18 08 Data Logger No. 11
 Cruise ID: TREHU B Acoustics No. ~~27~~ 27
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: _____ Acoustics Deck Tests OK...
 Sensor Ball No: _____ DPG No: _____ Frame No. 77
 Ch. 0: X L28 Float No. 6
 Ch. 1: Y L28 Strobe No. 70
 Ch. 2: Z L28 Radio No. 57
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) 14:54:30
 Latitude 44° 40.390 N
 Longitude -125 5.451 W
 Water depth ~~600m~~ 590m
 Ranging Survey Complete...
 Acoustics disabled...

DATA LOGGER CHECKOUT

Software Version 1.0.4g
 PARAMETERS SET TO 4 CHANNELS, 100 Hz
 VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) _____ V. _____ mV
 Logger (>+ 7.0 V.) _____ V. _____ mV

Wakeup time: 2008: 232 : 04 : 00 : 00
(MM/DD/YY HH:MM:SS)

- ... Time tag OK
- ... Begin
- ... Time counting & correct
- ... Purge to -10" Hg

CPU # 0108107
 A2D #: 0108036
 CF #: 5207100 Card #'s 77-08 78-08 79-08
 PwrBd #: 5107058
 Backplane #: 08-011
 Clock Battery Backup: 3.3V

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

... Insert Run-Plug
 ... Synchronize time base Date: AUG 18 08
 1st Synch at 2008: 231: 21: 07: 00
 (YYYY:JJJ:HH:MM:SS)
 2nd Synch at _____
 (YYYY:JJJ:HH:MM:SS)
 Time OK... Time Tag OK... TFOM 4

Checkout Sequence: A, B, C, D, E, F

NOTES:

★ NO FLAG

RECOVERY

Date (Local): 7/19/09 12:08 p.m. Drift (ms): _____
(MM/DD/YY) Local

Acoustics: Enable... Response... Release...
 Release sent: _____
 GMT (HH:MM:SS)
 Inst. status: _____
 Time OK... TFOM _____ Julian Day _____
 (Run GPSDRIFT from Terminal)
 Time tag: 2009: 200: 19: 04: 59.
 (YYYY:JDAY:HH:MM:SS.SSS)

(Run Shift D from ZTerm)
 Shift D at: _____
 GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV
 Raw Filename: _____

8604251

OBS/GPS Time match

4x4 Deployment Checklist

Date/Time: JULY 14, 2009
Checkout By: PT

Cruise: TREHU
Site: SITE 19

Equipment SN:

Data Logger: 0039
Acoustic: 39
Frame: -
Float: -
Light Strobe: 2002 44
Radio: 2002 40
L28: 09004
Hydrophone: -

Data Logger Boards (SN):

CPU: A015
Seascan: -
A2D: 0108027
CF: 5207040
Power: 5107044
Backplane: -

Compact Flash Cards (SN):

Card A: 2008-500 size: 16 GB
Card B: - size: - GB
Card C: - size: - GB

Main Battery Info

Voltage: - / -
Type: -
Quantity: -

Clock Battery Info

Voltage: - / -
Type: -

Comments: A2D Resistor Change

Configuration:

Sync with GPS: 2009:195:21:38:00
OBS Time OK: TFOM: 4
(From Terminal)
Time Tag OK:
Wakeup Time: 2009:195:22:00:00

Channel Configuration:

of Channels: 3
Sampling Rate: 100 SPS

0 (L28X) Gain: 64
1 (L28Y) Gain: 64
2 (L28Z) Gain: 64
3 (HYD) Gain: -

Header Comment: Test Decoupled
Start Experiment: Clock Battery:
Time Tag OK: Dessicant:
Purge:

Deployment:

Time (GMT): 15:38:00
Latitude: 44 35.184
Longitude: -125 26.237
Water Depth (m): 2913

Acoustics Disabled:
Ranging Survey:
Filename: -

Recovery:

Time (GMT): -
OBS TimeTag: 2009:199:05:56:59.9878
OBS Drift: -
OBS Time OK: TFOM: 4
(From Terminal)

Filename: -

SP4X4 DEPLOYMENT CHECKLIST

SITE _____

Local Date: _____ Data Logger No. _____
 Cruise ID: _____ Acoustics No. _____
 Instrument name: _____ Battery Bottle No. _____
 Checkout by: _____ Acoustics Deck Tests OK.....
 Sensor Ball No: _____ DPG No: _____ Frame No. _____
 Ch. 0: X L28 Float No. _____
 Ch. 1: Y L28 Strobe No. _____
 Ch. 2: Z L28 Radio No. _____
 Ch. 3: Hydrophone Radio Check OK.... (160.725 Mhz)

DEPLOYMENT

Deploy time (GMT) _____
 Latitude _____
 Longitude _____
 Water depth _____
 Ranging Survey Complete.....
 Acoustics disabled.....

DATA LOGGER CHECKOUT

Software Version _____

PARAMETERS SET TO _____ CHANNELS, _____ Hz

VOLTAGES CURRENT TESTS

Batt-Bott. (>7.0 V.) _____ V. _____ mV

Logger (>+ 7.0 V.) _____ V. _____ mV

Wakeup time: _____

(MM/DD/YY,HH:MM:SS)

- ...Time tag OK
- ...Begin
- ...Time counting & correct
- ...Purge to -10" Hg

CPU # _____

A2D #: _____

CF #: _____ Card #'s _____, _____, _____

PwrBd #: _____

Backplane #: _____

Clock Battery Backup: _____

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

- ... Insert Run-Plug
-Synchronize time base Date: _____

1st Synch at _____
(YYYY:JJJ:HH:MM:SS)

2nd Synch at _____
(YYYY:JJJ:HH:MM:SS)

Time OK... Time Tag OK... TFOM _____

Checkout Sequence: A, B, C, D, E, F

NOTES: _____

RECOVERY Date (Local): _____

(MM/DD/YY)

Acoustics: Enable.... Response.... Release....

Release sent: _____
GMT (HH:MM:SS)

Inst. status: _____

Time OK... TFOM _____ Julian Day _____

(Run GPSDRIFT from Terminal)

Time tag: _____
(YYYY:JDAY:HH:MM:SS.SSS)

Drift (ms): _____

(Run Shift **D** from ZTerm)

Shift **D** at : _____
GMT (HH:MM:SS)

Battery voltages:

Batt-Bott. _____ V. _____ mV

Logger _____ V. _____ mV

Raw Filename: _____

K111111111

4x4 Deployment Checklist

Date/Time: July 14 09
Checkout By: PT

Cruise: TREHU
Site: 20

Equipment SN:

Data Logger: 24
Acoustic: 50
Frame:
Float: 08-009
Light Strobe: 59
Radio: 106
L28: 2
Hydrophone:

Data Logger Boards (SN):

CPU: 0108007
Seascan:
A2D: 0108002
CF: 5207014
Power:
Backplane: 510706

Compact Flash Cards (SN):

Card A: 2008 695 size: 16 GB
Card B: size: GB
Card C: size: GB

Main Battery Info

Voltage: /
Type:
Quantity:

Clock Battery Info

Voltage: /
Type:

Comments:

A2D Resistor
change.

Configuration:

Sync with GPS: 2009:195:23:51:00
OBS Time OK: TFOM: 4
(From Terminal)
Time Tag OK:
Wakeup Time: 2009:195:25:00:00

Channel Configuration:

of Channels: 3
Sampling Rate: 100 SPS

0 (L28X) Gain: 64
1 (L28Y) Gain: 64
2 (L28Z) Gain: 64
3 (HYD) Gain:

Header Comment: Decoupled Test
Start Experiment: Clock Battery:
Time Tag OK: Dessicant:
Purge:

Deployment:

Time (GMT): 18:22:05 Loc
Latitude: 44° 16.813
Longitude: -125 08.570'
Water Depth (m): 1330

Acoustics Disabled:
Ranging Survey:
Filename:

Recovery:

Time (GMT):
OBS Time Tag: 2009:197:21:36:59.997
OBS Drift:
OBS Time OK: TFOM: 4
(From Terminal)

Filename: