

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, 16-08
 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 = -1.67330

(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

ORS: 30:03

57.3266910

* Water in unit.

LP

4X4 DEPLOYMENT CHECKLIST

SITE 2-1

Local Date: Aug 17 08 Data Logger No. 111
 Cruise ID: TREHU 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 44.83575
 Longitude -125° 07.493W -125.1248
83
 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

CPU # 0108088 SS: 492346
 A2D #: 0108076
 CF #: 5207047 Card #'s 53, 02, 16

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

PwrBd #: 5107072 #1 - 16
 Backplane #: NA #2 - 02
 Clock Battery Backup: 3.7V #3 - 53

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

NOTES: Tridium 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 _____

Drift (ms): -1.4044871 + 1.0
 (Run Shift D from ZTerm) leaf second

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

Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV

(Run GPSDRIFT from Terminal)

Time tag: 2009: 199: 22: 48: 58.5955129
 (YYYY:JDAY:HH:MM:SS SSS)

Raw Filename: _____

GPS: 53:00

OBS: 53:02

SP4X4 DEPLOYMENT CHECKLIST

SITE OBS 03.1

Local Date: 7/2/08 Data Logger No. 40
 Cruise ID: Trehu - 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
 VOLTAGES CURRENT TESTS
 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

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

CPU # 0108002
 A2D #: 0108026
 CF #: 5207013 Card #'s 08026, 08024, 0743
 PwrBd #: 5207012
 Backplane #: 08-018
 Clock Battery Backup: 2x C

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

NOTES:
Trehu-2, SW6, 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: 2009:201:06:46:59.0
 (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
 OBS: 50:01

SP4X4 DEPLOYMENT CHECKLIST

SITE OBS04.1

Local Date: 7/2/08 Data Logger No. 44
 Cruise ID: irehu-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 44.44.844
 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

VOLTAGES CURRENT TESTS

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

Wakeup time: 7/3/08 B
 (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, 08⁰²⁵, 07-36
 PwrBd #: 5107050
 Backplane #: 08-038
 Clock Battery Backup: 2XC

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

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
leap 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

OBS: 45:01

TREHV B
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 AM
Latitude 44 35.196N
Longitude -125 26.232W
Water depth 2712
Ranging Survey Complete.....
Acoustics disabled.....

DATA LOGGER CHECKOUT

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

Wakeup time: 2008:231:13:00:00
(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 18
1st Synch at 2008:231:07:44:00
(YYYY.JJ.JJ:HH:MM:SS)
2nd Synch at _____
(YYYY.JJ.JJ:HH:MM:SS)
Time OK... Time Tag OK... TFOM 4

CPU # 010808z SS: 493060
A2D #: 0108047
CF #: 5207101 Card #'s 6, 8, not # 4gig
PwrBd #: 5107060
Backplane #: NA
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: 2009:199:04:34:59.1661064
(YYYY.JDAY:HH:MM:SS SSS)

Drift (ms): -0.8338936 + 1.0
(Run Shift **D** from ZTerm) ↑ (loop Second)
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 FLAG

TREHU

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

Loc. 5:16:41
 Deploy time (GMT) ~~07:40:00~~
 Latitude ~~48~~ 44° 34.411
 Longitude ~~125.680022~~
 Water depth 740m 8.8218
 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: 2008:230:20:00:00
 (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 2008:230:09:59:00
 (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 #: 5807006 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...
 Release sent: _____
 Inst. status: _____
 Time OK... TFOM 4 Julian Day _____
 (Run GPSDRIFT from Terminal)

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: _____

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

6842223

**System seems to have gone into full power cycle on recovery. time tag & Time not correct.*

see notes Large drift

NO FLAG

SP4X4 DEPLOYMENT CHECKLIST

SITE 085 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 129° 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

VOLTAGES CURRENT TESTS

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 #: 5707 061 Card #'s 08035, 08102, 07-048

PwrBd #: 5107039

Backplane #: 08-033

Clock Battery Backup: 2x C

#1 - 48
 #2 - 38
 #3 - 102

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: _____

Inst. status: 11:09 am on deck
GMT (HH:MM:SS)

Time OK... TFOM _____ Julian Day _____

(Run GPSDRIFT from Terminal) 2009: 198: 19: 15: 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: _____

??
 using 00??
 could not enter minute made

No response!
 But ~~worked~~ worked on every second
 OBS would not level!
 Bad pins on CPU - check

LP

TRILLIUM

4X4 DEPLOYMENT CHECKLIST

SITE 9.1

Local Date: AUG 15TH Data Logger No. 106
 Cruise ID: TRILLIUM 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

Deploy time (GMT) 01:28 AM ^{Cocal} C
 Latitude 44° 16.465 A
 Longitude -125° 33.58 B
 Water depth 2950 D
 Ranging Survey Complete..... F
 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: 2008-229:14:00:00
 (MM/DD/YY HH:MM:SS)

(K)

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

CPU # 1007 SEASCAN 475924

A2D #: 0108093

CF #: 1027 Card #'s 37, 41, 61

PwrBd #: A008

Backplane #: NA

Clock Battery Backup: 3.6V

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

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 x 1 for lead sensor

(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
OBS: :01

Lead sensor 2008

TREHU
SP4X4 DEPLOYMENT CHECKLIST

SITE 10-1

Local Date: AUG 16th 08 Data Logger No. 73
 Cruise ID: TREHU B 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 *44.28062*
 Longitude -125° 08.520 *-125.1420*
 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

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
 Raw Filename: _____

GPS : 41:00 (on edge)
 OBS : 41:01 All most 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°19.767 740
 Longitude 124°44.740 767
 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: 2008.08.12:00:00
(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 2008.08.02:03:40:00
(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 + 7.0

(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 08P 12.1

Local Date: July 2 08 Data Logger No. 10
 Cruise ID: TRENU-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 CHECKOUT

Software Version 1.0.4e
PARAMETERS SET TO 3 CHANNELS, 100 Hz
 VOLTAGES CURRENT TESTS
 Batt-Bott. (>7.0 V.) / V. / mV
 Logger (> 7.0 V.) 7.82 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

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

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

CPU # 0198056
 A2D #: 0108037
 CF #: 3207085 Card #'s 0810508003 08078
 PwrBd #: 5107018
 Backplane #: 08017
 Clock Battery Backup: 2xC 3.9V

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

NOTES:

TRENU-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

Drift (ms): 54.8332963 833.2929m5

(Run Shift **D** from ZTerm)

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

Battery voltages:

Batt-Bott. _____ V. _____ mV
 Logger 7.727 mV

(Run **GPSDRIFT** from Terminal)

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

Raw Filename: _____

WASHED UP

clock batt: 3.9V

★ NO FLAG ★

LP

TRUW

4X4 DEPLOYMENT CHECKLIST

SITE 14.1

Local Date: Aug 16 Data Logger No. 105
 Cruise ID: TRUW B Acoustics No. 82
 Instrument name: _____ Battery Bottle No. 9
 Checkout by: PI 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. 29
 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

Software Version 1.0.19
 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: 2008:229:22:00:00
 (MM/DD/YY HH:MM:SS)

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

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

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

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

NOTES: TRUW 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 (ppm): -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

for leap sec

GPS: 2009:196:23:46:00
 OBS: 2009:196:23:46:18

Time wayoff !!!
 ★ NO FLAG ★

Check Clock

SP4X4 DEPLOYMENT CHECKLIST

SITE 15.1

Teehu

Local Date: Aug 16 08 Data Logger No. 29
 Cruise ID: Teehu B Acoustics No. 40
 Instrument name: SP 15.1 Battery Bottle No.
 Checkout by: PT Acoustics Deck Tests OK...
 Sensor Ball No: DPG No: Frame No. 55
 Ch. 0: X L28 Float No. 7
 Ch. 1: Y L28 Strobe No. 119
 Ch. 2: Z L28 Radio No. 55
 Ch. 3: Hydrophone Radio Check OK... (160.725 Mhz)

DEPLOYMENT
 Deploy time (GMT) 20:28
 Latitude 43 59.989
 Longitude -124 46.478
 Water depth ~~130~~ 124
 Ranging Survey Complete...
 Acoustics disabled...

DATA LOGGER CHECKOUT

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

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

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

CPU # 0108057 SS: 492369
 A2D #: 0108109
 CF #: 5207096 Card #'s 19, 46, 4610
100 #
 PwrBd #: 5107023
 Backplane #: 08023
 Clock Battery Backup: 3.3V

LOGGER STARTUP

DISCONNECT CURRENT TEST BOX!

Insert Run-Plug
 Synchronize time base Date: Aug 16 08
 1st Synch at 2008:230:02:39:00
 (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

Drift (ms): +0.1944570 + 1.0 For. Leap second
 (Run Shift D from ZTerm)

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

(Run GPSDRIFT from Terminal)
 Time tag: 2009:197:16:24:00.1944570
 (YYYY:JDAY:HH:MM:SS.SSS)

SP4X4 DEPLOYMENT CHECKLIST

SITE 085 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

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

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

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

NOTES: Trehu-2 SN 25, July 2, 2008

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 + 2.0
(leaf 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 : :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: TECHU 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 44.29.5824 29.3476
 Longitude 124.55.0102
 Water depth 550 54.99116
 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, ~~#56104~~
8610005
 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)

Drift (ms): -0.35674930 + 1.0
 (Run Shift D from ZTerm)
 Shift D at : _____
 GMT (HH:MM:SS)
 Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV

Time tag: 2009:198:21:40:59.6432507
(YYYY:JDAY:HH:MM:SS.SSS)

Raw Filename: _____

GPS: : 44:00.
 OBS : : 44:50

1.0
 keep record

★ NO FLAG

TREHU B

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 UTC
 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

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

CPU # 0108107
 A2D #: 0108036
 CF #: 5207100 Card #'s T7-08 T8-08 T9-08
 PwrBd #: 5107058
 Backplane #: 08-011
 Clock Battery Backup: 3.3V

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

(Run GPSDRIFT from Terminal)
 Time tag: 2009: 200: 19: 04: 59.
 (YYYY.JDAY:HH:MM:SS.SSS)

Battery voltages:
 Batt-Bott. _____ V. _____ mV
 Logger _____ V. _____ mV
 Raw Filename: _____

8604251

OBS/GPS Time match