

*DEAD CF CARD

SP

Cruise ID:		IRIS Code:		NEW ELECTRONICS CHECKLIST			
Lab Checkout Date: 7/16/14		Deployment Prep By: P.G.		Instrument Type:			
Lab Checkout By: PG		STATION INFORMATION		DEPLOYMENT			
Site ID: G5141		Deployment LAT: 41.6521 N		Power Relays:			
Deployment LON: -125.5513 W		Water Depth (M): 3118.91		Main <input checked="" type="checkbox"/> Trillium <input checked="" type="checkbox"/>		Clock <input checked="" type="checkbox"/> Analog <input checked="" type="checkbox"/>	
Relocation LAT:		Relocation LON:		Voltage: 7.41		Temp: _____	
EQUIPMENT INFORMATION		Data Logger: 13039		Initialize CF: <input checked="" type="checkbox"/>			
Acoustic: 101		Frame: 2000-0010		D2D Dat Files Found: 29			
Float: M600038		Radio: NR-0084		First LBA: 1079552			
Strobe: N5-0026		Geophone: 0814/0011 020048		Last LBA: 122714367			
Hydrophone: 05021		CF Serial Number: 1407-301		Get Current LBA: <input checked="" type="checkbox"/>			
CF Size: 64		CF Size: 64		Enable FPGA Reset Detect: <input checked="" type="checkbox"/>			
BATTERY INFORMATION		Main Power Type: 7.5V Li+		Save Mission to EEPROM: <input checked="" type="checkbox"/>			
Quantity: 4		Clock Pack Type: C Li+		Display Mission Match: <input checked="" type="checkbox"/>			
Clock Pack Type: C Li+		Quantity: 4		Mission: L28+DRG Deployment (1 year)			
Quantity: 4		SYS: <input checked="" type="checkbox"/>		Sample Rate: 100			
LOGGER INFORMATION		Logger Module: 13019		Gains:			
CPU:		A2D:		CH1 16 CH2 16 CH3 16 CH4 64			
A2D Daughter: 1406-15		Clock Board: 13019		M1 <input checked="" type="checkbox"/> M2 <input checked="" type="checkbox"/> M3 <input checked="" type="checkbox"/> M4 <input checked="" type="checkbox"/>			
Seascan: 1862.019		Power Board: 13035019		Sync Clocks 1: 2014:215:20:30:00			
Power Dist:		SP-L28&DRG		Sync Clocks 2: 2014:215:20:31:00			
Mod		SW: Mar 18, 2013 11:00:56		System TAG: 2014:215:20:32:00.0000017			
SW: Mar 18, 2013 11:00:56		FPGA: Aug 27, 2012 (69)		Clock TAG: 2014:215:20:32:59.9999979			
FPGA: Aug 27, 2012 (69)		Start Mission: <input checked="" type="checkbox"/>		SYS: <input checked="" type="checkbox"/> CLK: <input checked="" type="checkbox"/>			
RECOVERY		Voltage: 2.91		Temp: 12.3			
Voltage: 2.91		Temp: 12.3		FPGA Not Reset: [] (If reset DO NOT Click End Logging)			
FPGA Not Reset: []		Check LBA 1: 0		Check LBA 2: 0			
Check LBA 1: 0		Check LBA 2: 0		End Logging- T1234: []			
Check LBA 2: 0		End Logging- T1234: []		Save Time TAG: 2015:260:12:39:00			
End Logging- T1234: []		Save Time TAG: 2015:260:12:39:00		PS Time TAG: 2015:260:12:41:58.7422470			
Save Time TAG: 2015:260:12:39:00		PS Time TAG: 2015:260:12:41:58.7422470		PC Time TAG: 2015:260:12:43:58.7422455			
PS Time TAG: 2015:260:12:41:58.7422470		PC Time TAG: 2015:260:12:43:58.7422455		PC Drift: 0.2577555			
PC Time TAG: 2015:260:12:43:58.7422455		PC Drift: 0.2577555		Type HS: [] HS FAILED TO ECHO			
PC Drift: 0.2577555		Type HS: []		HS FAILED TO ECHO			

NOTES

CF Lot # B130928013B
DEAD CF CARD

* DEAD CF CARD BN130628013B

LP

4x4 Deployment Checklist

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: 0C1407B
 Checkout By (Deployment): EA Site ID: BB751
 SP4x4: LP4x4:

Equipment SN:

Data Logger: 121
 Acoustic: 75
 Frame: 1
 Float: 6
 Light Strobe: NS 28
 Radio: NR 71
 L28 Trillium: 7240-42
 Hyd (DPG): 8
 Batt Bottle: 14

Data Logger Boards (SN):

CPU: 4708-026
 Seascan: 096
 A2D: 0108-010 (23x2, offx2)
 CF: 4808-21
 Power: 4708-03 (1-2)x4
 Backplane: Divider 4808-21 (2-3)x3

Compact Flash Cards:

Card A#: 2014-~~600~~⁶⁰⁷ size: 64 GB
 Card B#: _____ size: _____ GB
 Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.5
 Type: Li+
 Quantity: 5

Clock Battery Info

Voltage: 3.66
 Type: 2xC Li+

4x4 Cards Fully Seated:
 Did Shipping Vacuum Change? _____
 4x4 Software Version: _____

Additional Comments:

- No Shunt Resistor
 - Reference = 2.5
 - jumper(R) SET TO T40

Configuration:

Sync with GPS: 2014:207:10:25:00
 OBS Time OK: TFOM: 4
 (From Terminal)
 Time Tag OK:
 Wakeup Time: 2014:207:15:00:00

Channel Configuration:

of Channels: 4 "L"
 Sampling Rate: 100 SPS
 0 (X-L28/Trill) Gain: 1
 1 (Y-L28/Trill) Gain: 1
 2 (Z-L28/Trill) Gain: 1
 3 (Hyd/DPG) Gain: 64

Header Comment:

Start Experiment: Clock Battery:
 Time Tag OK: Dessicant:
 Purge to 7" Hg: Seal Screw:
 4x4 Cards Taped:

Deployment:

Time (GMT): 2014:207:14:03:00
 Latitude: 44.5897
 Longitude: -130.6578
 Water Depth (m): 2872

Acoustics Disabled:
 Ranging Survey:
 Survey Filename: BB751

Recovery:

OBS TimeTag 1: 2015:253:12:51:59.7439482
 OBS TimeTag 2: 2015:253:12:54:59.7439403
 OBS Drift: 0.7439403
 OBS Time OK: Battery Dead TFOM: 4
 (From Terminal) Time Locked mode

Raw Filename: N/A
 Main Battery WAS dead, USED PPM to calculate drift

Survey + Disable

Last Modified: Fri Apr 13 2012

Drift Calc { $(59.7439403 - 60) = -0.2560597$
 $-0.2560597 + 1 = 0.7439403$
 Leap Sec

★ DEAD CF BN130628013B

LP

4x4 Deployment Checklist

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: 0C1407B
 Checkout By (Deployment): TEA Site ID: 58868
 SP4x4: LP4x4:

Equipment SN:

Data Logger: 130
 Acoustic: 117
 Frame: F90
 Float: OR7
 Light Strobe: NS67
 Radio: NR14
 L28 (Trillium): T240-44
 Hyd (DPG): 23
 Batt Bottle: 34

Data Logger Boards (SN):

CPU: 4708-067
 Seacan: 480807 460
 A2D: A009 (or A004)
 CF: 48087
 (1-2) Power: A016
 Backplane: 98
 Divider: 4808-25 (T-240)
 (2-3)x3

Compact Flash Cards:

Card A#: 2014-609 size: 64 GB
 Card B#: _____ size: _____ GB
 Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.5 1 _____
 Type: Li+
 Quantity: 5

Clock Battery Info

Voltage: 3.66 1 _____
 Type: 2xC Li+

4x4 Cards Fully Seated:
 Did Shipping Vacuum Change? _____
 4x4 Software Version: _____

Additional Comments:

- No shunt resistor
 - Reference = 2.50
 Logged DEAD AT Recovery
 Powered with 9V, BUT COST DROPT
 see CF

Configuration:

Sync with GPS: 2014:209:09:55:00
 OBS Time OK: TFOM: 4
 (From Terminal)
 Time Tag OK:
 Wakeup Time: 2014:209:014:00:00

Channel Configuration:

of Channels: 4 "L"
 Sampling Rate: 100 SPS
 0 (X-L28/Trill) Gain: 1
 1 (Y-L28/Trill) Gain: 1
 2 (Z-L28/Trill) Gain: 1
 3 (Hyd/DPG) Gain: 64

Header Comment: LP4x4
 Start Experiment: Clock Battery:
 Time Tag OK: Dessicant:
 Purge to 7" Hg: Seal Screw:
 4x4 Cards Taped:

Deployment:

Time (GMT): 2014:209:12:33:00
 Latitude: 43.7329
 Longitude: -128.5042
 Water Depth (m): 2660

Acoustics Disabled:
 Ranging Survey:
 Survey Filename: _____

Recovery:

OBS TimeTag 1: 2015:254:18:18:55.7568185
 OBS TimeTag 2: 2015:254:18:20:55.7568184
 OBS Drift: -4.243015 + 1sec = -3.2431815
 OBS Time OK: TFOM: 4
 (From Terminal)
 Raw Filename: _____

T40 jumper

★ DEAD CF NO DATA

LP

4x4 Deployment Checklist

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: _____
 Checkout By (Deployment): PG mR Site ID: G30D
 SP4x4: LP4x4:

Equipment SN:

Data Logger: 125
 Acoustic: 57
 Frame: 02-8
 Float: 02-8
 Light Strobe: 2000-0019 Me
 Radio: NR-0052-2009-019 MC
 L28 / Trillium 30 6
 Hyd / (DPG) 07511-DPG 0004
 Batt Bottle: 3

N5-0048

T-240

Data Logger Boards (SN):

CPU: 4708-004
 Seascan: 1148
 A2D: 0108091 (2-3)x2, offx2
 CF: 4808-04
 Power: 5107-093
 Backplane: Divder P-0144 (2-3)x3

Compact Flash Cards:

Card A#: 2014-601 size: 64 GB
 Card B#: _____ size: _____ GB
 Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.5 1
 Type: Li+
 Quantity: 5

Clock Battery Info

Voltage: 3.6 1
 Type: 2x Li+

4x4 Cards Fully Seated:
 Did Shipping Vacuum Change? _____
 4x4 Software Version: _____

Additional Comments:

Clock Edge is incorrect. we are off by 100 nsec.

★ CF B1130628013B IS DEAD

Configuration:

Sync with GPS: 2014:211:18:19:00
 OBS Time OK: TFOM: 4
 (From Terminal)
 Time Tag OK:
 Wakeup Time: 2014:211:21:00:00

Channel Configuration:

of Channels: 4
 Sampling Rate: 100 SPS

0 (X-L28/Trill) Gain: 1
 1 (Y-L28/Trill) Gain: 1
 2 (Z-L28/Trill) Gain: 1
 3 (Hyd/DPG) Gain: 64

Header Comment: G30D - larger 125

Start Experiment: Clock Battery:
 Time Tag OK: Dessicant:
 Purge to 7" Hg: Seal Screw:
 4x4 Cards Taped:

Deployment:

Time (GMT): 2014/211 21:31:00
 Latitude: 41.9515
 Longitude: -128.2961
 Water Depth (m): 3212.42 3178.14

Acoustics Disabled:
 Ranging Survey:
 Survey Filename: _____

Recovery:

OBS TimeTag 1: 2015:255:23:45:58.8180104
 OBS TimeTag 2: 2015:255:23:46:58.8180109
 OBS Drift: @ +1 SEC = -0.181989
 OBS Time OK: NO TFOM: 4
 (From Terminal) DEAD BATTERIES
 Raw Filename: _____

T40 JUMPER

DEAD CF BN130928013B

SP

NEW ELECTRONICS CHECKLIST

Cruise ID:
 Lab Checkout Date: 7/16/14
 Lab Checkout By: PC/JL

Deployment Prep By: PA
 Instrument Type: SA + DPG

STATION INFORMATION

Site ID: GS221 0770
 Deployment LAT: 41.0338
 Deployment LON: -126.9134
 Water Depth (M): 3005
 Relocation LAT:
 Relocation LON:
 Data Logger: 13044
 Acoustic: 20
 Frame: ~~FOO100~~ FOO100
 Float: ?
 Radio: NR-0055
 Strobe: Light-2000-0032
Serial # M10036
 Geophone: GP0030
 Hydrophone: 2003-0003-0903
 CF Serial Number: 140716-0082
 CF Size: 64

DEPLOYMENT

Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 7.41 Temp: 24
 Initialize CF:
 D2D Dat Files Found: 29
 First LBA: 1079552
 Last LBA: 122714307
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: SP L28+DPG Deployment 1 year
 Sample Rate: 100
 Gains:
 CH1 16 CH2 16 CH3 16 CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION

Main Power Type: 7.5V Li+(12-Pack)
 Quantity: 4
 Clock Pack Type: C-Li+
 Quantity: 4

Sync Clocks 1: 2014:2013:02:31:00 Aug 2013
 Sync Clocks 2: 2014:2013:02:32:00
 System TAG: 2014:213:02:32:59.9999998
 Clock TAG: 2014:213:02:33:59.99999959
 SYS: CLK:

LOGGER INFORMATION

Logger Module: 13030
 CPU: 13CPU030
 A2D: 13A2D030
 A2D Daughter: 1406-14
 Clock Board: 13CLK030
 Seascan: 1857
 Power Board: ~~13PB030~~
 Power Dist: 13DIS030
 SP MOD L28 & DPG
 SW: Mar 18, 2013 11:04:30
 FW: Aug 22, 2012 (#69)

RECOVERY

Voltage: 5.16V Temp: 14.5C
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 112567446
 Check LBA 2: 112567446
 End Logging- T1234:
 Save Time TAG: 2015:256:17:24:00
 PS Time TAG: 2015:256:17:25:58.2625845
 PC Time TAG: 2015:256:17:27:58.2626004
 PC Drift: -1.73748 +1SEC = -0.73748
 Type HS:

NOTES

 Surveyed

NO bar code on stroke
 OPG 09-053

★ CF BN130628013B DEAD

LP

4x4 Deployment Checklist

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: 061407B
Checkout By (Deployment): (2) Site ID: G12D
SP4x4: LP4x4:

Equipment SN:
Data Logger: LP 142
Acoustic: 124
Frame: F92
Float: OR 9
Light Strobe: NS0064
Radio: NR 77
L28 / Trillium: 7240-15
Hyd / DPG: 001
Batt Bottle: 23

Configuration:
Sync with GPS: 2014:213:06:09:00
OBS Time OK: TFOM: 4
(From Terminal)
Time Tag OK:
Wakeup Time: 2014:213:13:00:00

Data Logger Boards (SN):
CPU: 0108-047
Seascan: 812
A2D: 0108-031 (2-3)x2, off x2
CF: 4808-06
Power: P-003 (1-2)x4
Backplane: 09-048
Divider: P-0131 (2-3)x3 T240

Channel Configuration:
of Channels: 4
Sampling Rate: 100 SPS
0 (X-L28/Trill) Gain: 1
1 (Y-L28/Trill) Gain: 1
2 (Z-L28/Trill) Gain: 1
3 (Hyd/DPG) Gain: 64

Compact Flash Cards:
Card A#: 2014-60B size: 864 GB
Card B#: _____ size: _____ GB
Card C#: _____ size: _____ GB

Header Comment: N/A
Start Experiment: Clock Battery:
Time Tag OK: Dessicant:
Purge to 7" Hg: Seal Screw:
4x4 Cards Taped:

Main Battery Info
Voltage: 7.5
Type: Li+
Quantity: 5

Deployment:
Time (GMT): 2014:213:07:19:00
Latitude: 40.7747
Longitude: -127.1364
Water Depth (m): 284

Clock Battery Info
Voltage: 3.66
Type: 2x Li+

Acoustics Disabled:
Ranging Survey:
Survey Filename: _____

4x4 Cards Fully Seated:
Did Shipping Vacuum Change? _____
4x4 Software Version: _____

Recovery:
OBS TimeTag 1: _____
OBS TimeTag 2: _____
OBS Drift: _____
OBS Time OK: NO TFOM: _____
(From Terminal) MA 5 BATT
Raw Filename: _____

Additional Comments:

- No Shunt Resistors
- Reference = ~~2.50V~~ 2.50V

DPG in back

T48 JUMPER
CLOCK BACKUP NOT PLUGGED IN

* DEAD CF IRN1309280135

SP

Cruise ID: _____ **IRIS Code:** _____ **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/16/14
 Lab Checkout By: EG/SL

Deployment Prep By: EAB
 Instrument Type: SP-DPG

STATION INFORMATION
 Site ID: G5157
 Deployment LAT: 41.6965 N
 Deployment LON: 126.3606 W
 Water Depth (M): 2963
 Relocation LAT: _____
 Relocation LON: _____

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 7.39V Temp: 32F
 Initialize CF:
 D2D Dat Files Found: 29 = 64 GIG

EQUIPMENT INFORMATION
 Data Logger: 13040
 Acoustic: 112
 Frame: 69
 Float: 10
 Radio: NR 70
 Strobe: NS 68
 Geophone: ~~2011~~ GP 57
 Hydrophone: DPG 11006
 CF Serial Number: 140716-0081
 CF Size: 64

First LBA: 1079552
 Last LBA: 122714307
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: SP LER+DPG
 Sample Rate: 100 HZ
 Gains:
 CH1 16 CH2 16 CH3 16 CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 7.5V Li+ (12-Pack)
 Quantity: 4
 Clock Pack Type: C-Li+
 Quantity: 4

Sync Clocks 1: 2014:215:14:10:00
 Sync Clocks 2: 2014:215:14:11:00
 System TAG: PS 2014:215:14:12:00.0000461
 Clock TAG: PC 2014:215:14:13:00.0000010
 SYS: 2 CLK: 2
 Start Mission:

LOGGER INFORMATION
 Logger Module: 13022
 CPU: 13CPU022
 A2D: 13A2D022
 A2D Daughter: 1406-12
 Clock Board: 13CLK022
 Seascan: 1801
 Power Board: _____
 Power Dist: 13DIS022
 SP MOD: L28 & DPG
 sw: Mar 18, 2013 11:04:56
 fw: Aug 22, 2012 (#69)

RECOVERY
 Voltage: 5.2 Temp: 10.3
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 11420601
 Check LBA 2: 11420601
 End Logging- T1234:
 Save Time TAG: 2015:259:16:25:00
 PS Time TAG: 2015:259:16:26:00.2017864
 PC Time TAG: 2015:259:16:27:00.2017762
 PC Drift: 1.2017762
 Type HS:

NOTES
 AC
 112 HAS ONE BURRCYCLE
 ON IT FROM A
 FAILED DEPLOYMENT
 EARLIER.

SURVEY DISABLE
 * DEAD CF

DEAD CF 172028128
 3N130928013B

SP

NEW ELECTRONICS CHECKLIST

SP

Cruise ID:		IRIS Code:		NEW ELECTRONICS CHECKLIST	
Lab Checkout Date: 7/16/14		Deployment Prep By: JEA			
Lab Checkout By: PG/JL		Instrument Type: SP DPG			
STATION INFORMATION			DEPLOYMENT		
Site ID: GS031			Power Relays:		
Deployment LAT: 42.3520			Main <input checked="" type="checkbox"/> Trillium <input checked="" type="checkbox"/>		
Deployment LON: -125.8565			Clock <input checked="" type="checkbox"/> Analog <input checked="" type="checkbox"/>		
Water Depth (M): 2625			Voltage: 7.45V		Temp: 66.2 F
Relocation LAT:			Initialize CF: <input checked="" type="checkbox"/>		
Relocation LON:			D2D Dat Files Found: 29 = 64 Gy		
EQUIPMENT INFORMATION			First LBA: 1079552		
Data Logger: 13042			Last LBA: 122714367		
Acoustic: 129			Get Current LBA: <input checked="" type="checkbox"/>		
Frame: F96			Enable FPGA Reset Detect: <input checked="" type="checkbox"/>		
Float: MG-42			Save Mission to EEPROM: <input checked="" type="checkbox"/>		
Radio: NR8			Display Mission Match: <input checked="" type="checkbox"/>		
Strobe: NS41			Mission: SP (28+DPG)		
Geophone: GP64			Sample Rate: 100 HZ		
Hydrophone: DPG 7			Gains:		
CF Serial Number: 140716-0080			CH1 16 CH2 16 CH3 16 CH4 64		
CF Size: 64			M1 [] M2 [] M3 [] M4 []		
BATTERY INFORMATION			Sync Clocks 1: 2014:216:10:58:00		
Main Power Type: 7.5V Li+ (12-Pack)			Sync Clocks 2: 2014:216:10:51:00		
Quantity: 4			System TAG: PS 2014:216:10:52:00.0000161		
Clock Pack Type: C-Li+			Clock TAG: PC 2014:216:10:53:59.9959954		
Quantity: 4			SYS: 3		CLK: 2
LOGGER INFORMATION			Start Mission: <input checked="" type="checkbox"/>		
Logger Module: 13028			RECOVERY		
CPU: 13CPU028			Voltage: 4.86V		Temp: 69.6 F
A2D: 13A2D028			FPGA Not Reset: [] (If reset DO NOT Click End Logging)		
A2D Daughter: 1406-07			Check LBA 1: N/A		
Clock Board: 13CLK028			Check LBA 2: N/A		
Seascan: 102			End Logging- T1234: [] N/A		
Power Board:			Save Time TAG: 2015:260:07:07:00		
Power Dist: 13DIS028			PS Time TAG: 2015:260:07:07:54.9055603		
SP MOD L28 & DPG			PC Time TAG: 2015:260:07:10:54.9055439		
sw: Mar 19, 2013 11:04:50			PC Drift: 0.0000000 -4.0944560		
fw: Aug 22, 2012 (069)			Type HS: <input checked="" type="checkbox"/>		

NOTES Reset was done manually. Initially the serial output would stall after intro message then we pulled the CF card and the menu came up. We then reset the card while the unit was up and this allowed the serial comm's. But the "HS" command stalled serial comm's. The presence of the CF card in the unit prevented it from running. 'B' command causes multiple PPM's to be sent out. Clock battery = 3.6V

Cruise ID: CASCADIA IRIS Code: X9 **NEW ELECTRONICS CHECKLIST** * STUCK *

Lab Checkout Date: 7/19/14
 Lab Checkout By: JL/PG

STATION INFORMATION
 Site ID: BB850
 Deployment LAT: 44 32.030
 Deployment LON: 128 02.857
 Water Depth (M): 2875.72
 Relocation LAT:
 Relocation LON:

Deployment Prep By: _____
 Instrument Type: _____ ?

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog

Voltage: 14.97 Temp: 22.8
 Initialize CF:
 D2D Dat Files Found: 29

EQUIPMENT INFORMATION
 Data Logger: 1
 Acoustic: 164
 Frame: 1
 Float: -
 Radio: None
 Strobe: None
 Geophone: #1
 Hydrophone: #1 (003019)
 CF Serial Number: 2014-604
 CF Size: 64

First LBA: 1079552
 Last LBA: 122714367
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: Abalones 4th Cascadia
 Sample Rate: 50

Gains:
 CH1 1 CH2 1 CH3 1 CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 2x7cell Li 39,7.5,15
 Quantity: 2
 Clock Pack Type: Part of Pack
 Quantity: N/A

Sync Clocks 1:
 Sync Clocks 2: 2014:206:20:43:00
 System TAG: 2014:206:20:43:59.9999922
 Clock TAG: 2014:206:20:40:59.9999995 45:020000016
 SYS: _____ CLK: _____ ?

LOGGER INFORMATION
 Logger Module: 1
 CPU:
 A2D:
 A2D Daughter: 0
 Clock Board: 2
 Seascan: 1639
 Power Board: 5
 Power Dist: 5

Version - same as previous
 Trillium & DPG
 sw: Aug 28, 2012 14:59:18
 Aug 22, 2012 17:12:59 (LGA)

Start Mission: 2R

RECOVERY
 Voltage: _____ Temp: _____
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1:
 Check LBA 2:
 End Logging- T1234:
 Save Time TAG:
 PS Time TAG:
 PC Time TAG:
 PC Drift:
 Type HS:

NOTES

STUCK

? Survey & Disable

ABALONES

* STUCK

Cruise ID: CASCADIA IRIS Code: X9 NEW ELECTRONICS CHECKLIST

Lab Checkout Date: 7/15/14
Lab Checkout By: PG/JL

Deployment Prep By: MK6
Instrument Type: Abalone

STATION INFORMATION
Site ID: FS19
Deployment LAT: 40.624083
Deployment LON: -124.470300
Water Depth (M): 100
Relocation LAT:
Relocation LON:

DEPLOYMENT
Power Relays:
Main [✓] Trillium [✓]
Clock [✓] Analog [✓]
Voltage: 15.32 Temp: 60.8 F
Initialize CF: [✓]
D2D Dat Files Found: 29=646B

EQUIPMENT INFORMATION
Data Logger: 12
Acoustic: 163
Frame: 16
Float:
Radio: battery bottle 12
Strobe:
Geophone: 14
Hydrophone:
CF Serial Number: 2014-705
CF Size: 64

First LBA: 1079552
Last LBA: 122714367
Get Current LBA: [✓]
Enable FPGA Reset Detect: [✓]
Save Mission to EEPROM: [✓]
Display Mission Match: [✓]
Mission: Abalone 4th CAS
Sample Rate: 50
Gains:
CH1 1 CH2 1 CH3 1 CH4 64
M1 [✓] M2 [✓] M3 [✓] M4 [✓]

BATTERY INFORMATION
Main Power Type: 2x7cell Li 3.9, 7.5, 15
Quantity: 2
Clock Pack Type: Part of Pack
Quantity: N/A

Sync Clocks 1: 2014:224:05:15:00
Sync Clocks 2: 2014:224:05:18:00
System TAG: 2014:224:05:18:59.9997370
Clock TAG: 2014:224:05:21:00.0000172
SYS: 3 CLK: 3

LOGGER INFORMATION
Logger Module: 12
CPU: 10
A2D: 15
A2D Daughter: 8
Clock Board: 9
Seascan: 1637
Power Board: 2
Power Dist: 7

RECOVERY
Voltage: Temp:
FPGA Not Reset: [] (If reset DO NOT Click End Logging)
Check LBA 1:
Check LBA 2:
End Logging- T1234: []
Save Time TAG:
PS Time TAG:
PC Time TAG:
PC Drift:
Type HS: []

version same as previous
Trillium & DPG
sw: Aug 23, 2012 14:59:18
Aug 22, 2012 17:12:59

NOTES
* STUCK

✓ Survey + Distale

ABALONE

Cruise ID: CASCADIA IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/15/2014
 Lab Checkout By: JL/PG

Deployment Prep By: [Signature]
 Instrument Type: ABALONES

STATION INFORMATION
 Site ID: J28D
 Deployment LAT: 44.3682
 Deployment LON: -127.1085
 Water Depth (M): 2936
 Relocation LAT: 44.3684
 Relocation LON: -127.1085

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 15.23 Temp: 18.5
 Initialize CF:
 D2D Dat Files Found: 29

EQUIPMENT INFORMATION
 Data Logger: 3
 Acoustic: 152
 Frame: 3
 Float:
 Radio: XEOS
 Strobe: XEOS
 Geophone: TC 3
 Hydrophone: DPG 3
 CF Serial Number: 2014-610
 CF Size: 64

First LBA: 1079552
 Last LBA: 119568639
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: AB41 Cascadia deployment
 Sample Rate: 50
 Gains:
 CH1 1 CH2 1 CH3 1 CH4 64
 M1 M2 M3 M4 (B07FFF7) OK

BATTERY INFORMATION
 Main Power Type: 2700cell Li 3.9,7.5,15
 Quantity: 2
 Clock Pack Type: Part of Pack
 Quantity: N/A

Sync Clocks 1: 2014:206:07:25:00
 Sync Clocks 2: 2014:206:07:25:36:00
 System TAG: 2014:206:07:25:00:0000167
 Clock TAG: 2014:206:07:25:00:0000146
 SYS: 591854 CLK: 591854

LOGGER INFORMATION
 Logger Module: 3
 CPU: 5
 A2D: 102
 A2D Daughter: 3
 Clock Board: 6
 Seascan: 1641
 Power Board: 24
 Power Dist: 13
 Version: same as previous
 Trillium & DPG SW: Aug 23, 2012 14:59:18
Aug 22, 2012 17:12:59 (6A)

Start Mission:
RECOVERY
 Voltage: 11.10V Temp: 66F
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 57445448
 Check LBA 2: 57445468
 End Logging-T1234:
 Save Time TAG: 2015:252:07:51:59:0953533
 PS Time TAG: 2015:252:07:51:59:0953533
 PC Time TAG: 2015:252:07:57:59:0953770
 PS Drift: -0.904647 +1sec = 0.0953530
 Type HS:

NOTES
 backup sync clk multiple times
 Sinking @ ~66m/min

Survey Disabled
 PS 2015:252:07:51:59:0953533
 ☆ PC DRIFT: -0.904623 +1sec = 0.0953770
 ABALONES

LP

Cruise ID: IRIS Code: **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/16/14 Deployment Prep By: EA
Lab Checkout By: PG/JL Instrument Type: LP - New Electronics

STATION INFORMATION
Site ID: BB 830
Deployment LAT: 44.0251
Deployment LON: -127.6330
Water Depth (M): 2939
Relocation LAT: 44.0244
Relocation LON: -127.6311

DEPLOYMENT
Power Relays:
Main Trillium
Clock Analog
Voltage: 15.9V Temp: 32F
Initialize CF:
D2D Dat Files Found: 29 = 64 G.G

EQUIPMENT INFORMATION
Data Logger: 13023
Acoustic: B9
Frame: None (14?)
Float: 14
Radio: NR13
Strobe: N850
Geophone: T240-47
Hydrophone: DPG-25
CF Serial Number: CF64-13-015
CF Size: 64GB

First LBA: 1079180 ✓
Last LBA: 122714001 ✓
Get Current LBA: 1079186
Enable FPGA Reset Detect:
Save Mission to EEPROM:
Display Mission Match:
Mission: ~~EA~~ ABA(LOWES TRC + DPG)
Sample Rate: 100 HZ
Gains:
CH1 | CH2 | CH3 | CH4 64
M1 M2 M3 M4

BATTERY INFORMATION
Main Power Type: 7.5V Li+ (12-Pack)
Quantity: 4
Clock Pack Type: C-Li+
Quantity: 4

Sync Clocks 1: 2014:206:12:22:00
Sync Clocks 2: 2014:206:12:24:00
System TAG: 2014:206:12:25:00.0000147
Clock TAG: 2014:206:12:27:00.0000002
SYS: 3 CLK: 2

LOGGER INFORMATION
Logger Module: 13003
CPU: 13CPU003
A2D: 13A2D003
A2D Daughter: 1400-05
Clock Board: 13CLK003
Seascan: 025
Power Board:
Power Dist: 13DIS003
Mod: ~~DPG~~ DPG & Trillium
sw: Mar 18, 2013 11:04:50
fw: Aug 22, 2012 (#109)

Start Mission:
RECOVERY
Voltage: 13.35V Temp: 57.1F
FPGA Not Reset: (If reset DO NOT Click End Logging)
Check LBA 1: 113801470
Check LBA 2: 113801590
End Logging- T1234:
Save Time TAG: 2015:252:11:48:00
PS Time TAG: 2015:252:11:51:58.1525616
PC Time TAG: 2015:252:11:54:58.1525608
PC Drift: 0.8474392
Type HS:

NOTES
Trillium: using amplifiers → extra power being consumed.
 Row PLUG
 Survey & DISABLE
SYS = 591805, CLK = 591804
(58.1525608 - 60) = -1.8474392
-1.8474392 + 1 = 0.8474392
Leap sec

But
Bottle
19

LP

NEW ELECTRONICS CHECKLIST

Cruise ID: _____ IRIS Code: _____
Lab Checkout Date: 7/16/14 Deployment Prep By: 32
Lab Checkout By: JL/PG Instrument Type: ABA

STATION INFORMATION
Site ID: J23D
Deployment LAT: 44.82753
Deployment LON: -129.68145
Water Depth (M): 2726²⁶⁸⁷
Relocation LAT: 44.8274
Relocation LON: -129.6805

DEPLOYMENT
Power Relays:
Main Trillium
Clock Analog
Voltage: 15.03 Temp: 26
Initialize CF:
D2D Dat Files Found: 29

EQUIPMENT INFORMATION
Data Logger: 13008
Acoustic: 139
Frame: 74
Float: 78 GLAS
Radio: NR87
Strobe: NS14
Geophone: T240 11
Hydrophone: DPG 32
CF Serial Number: CF64-13-008
CF Size: 64

First LBA: 1079100
Last LBA: 12714001
Get Current LBA:
Enable FPGA Reset Detect:
Save Mission to EEPROM:
Display Mission Match:
Mission: ABALONES Trillium & DPG
Sample Rate: 100
Gains:
CH1 1 CH2 1 CH3 1 CH4 64
M1 M2 M3 M4

BATTERY INFORMATION
Main Power Type: 7.5 Li+(12-Pack)
Quantity: 4
Clock Pack Type: C-Li+
Quantity: 4

Sync Clocks 1: 2014:207:06:10:00
Sync Clocks 2: 2014:207:06:16:00
System TAG: 2014:207:06:17:00.0000007
Clock TAG: 2014:207:06:18:59.9999990
SYS: 9761 CLK: 8/60
Start Mission: Recovery

LOGGER INFORMATION
Logger Module: 13004
CPU: 13CPU004
A2D: 13A2D004
A2D Daughter: 1400-004
Clock Board: 13CLK004
Seascan: 1853
Power Board:
Power Dist: 13DIS004
LP Mod: DPG & Trillium
sw: Mar 18, 2013 11:04:06
fw: Aug 22, 2012 (#69)

RECOVERY 13.37V
Voltage: 13.37V Temp: 59.5F
FPGA Not Reset: (If reset **DO NOT** Click End Logging)
Check LBA 1: 113812014
Check LBA 2: 113812078
End Logging- T1234:
Save Time TAG: 2015:253:06:37:00
PS Time TAG: 2015:253:06:40:51.2698617
PC Time TAG: 2015:253:06:42:59.2698824
PC Drift: -0.7301176 +23sec = 0.2698824
Type HS:

NOTES
Trillium: using amplifiers → extra power being consumed
 Raw Plug
 Survey & Disable

* Acoustic # 139 KICKS OUT @ 1-MINUTE

BB 26

Cruise ID: CASCADIA IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/15/14
 Lab Checkout By: PG/JL

Deployment Prep By: JL
 Instrument Type: ABACOWES

STATION INFORMATION
 Site ID: BB870
 Deployment LAT: 44 2.826
 Deployment LON: 130 6.185
 Water Depth (M): 3219
 Relocation LAT:
 Relocation LON:

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 14.95 Temp: 28.5
 Initialize CF:
 D2D Dat Files Found: 29

EQUIPMENT INFORMATION
 Data Logger: 4
 Acoustic: 156
 Frame: 4
 Float:
 Radio: New - None
 Strobe: New - None
 Geophone: 0002 - (003005)
 Hydrophone: DPG ?
 CF Serial Number: 2014 - 603
 CF Size: 64

First LBA: 1079552
 Last LBA: 122714367
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: 4th Cascadia Deployment
 Sample Rate: 50
 Gains:
 CH1 1 CH2 1 CH3 1 CH4 4 } 64?
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 2x7cell Li 3.9, 7.5, 15
 Quantity: 2
 Clock Pack Type: Part of Pack
 Quantity: N/A

Sync Clocks 1: 2014:208:00:48:00
 Sync Clocks 2: 2014:208:00:49:00
 System TAG: 2014 208 00:51:00.0000169
 Clock TAG: 2014:208:00:50:00.0000147
 SYS: 514434 CLK: 514434
 Start Mission:

LOGGER INFORMATION
 Logger Module: 4
 CPU: 7
 A2D: 16
 A2D Daughter:
 Clock Board: 22
 Seascan: 1035
 Power Board: 3
 Power Dist: 3
 version - same as previous
 Trillium 2 DPG
 SW: Aug 23, 2012 14:59:18
 Aug 22, 2012 17:12:59 (69)

RECOVERY
 Voltage: 11 Temp: 15.9
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 57405288
 Check LBA 2: 57405328
 End Logging - T1234:
 Save Time TAG: 2015:253:18:02:00
 PS Time TAG: 2015:253:18:04:02.5664396
 PC Time TAG: 2015:253:18:06:02.5664774
 PC Drift: @2.5664774 +1SEC=@3.5664774
 Type HS:

NOTES
 sync back-up clk several times

Survey complete
 LEAP Sec
 corrector
 DRIFT

ABACOWES

Cruise ID: Cascadia IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/15/2014
 Lab Checkout By: P.G.

Deployment Prep By: P.G.
 Instrument Type: _____

STATION INFORMATION
 Site ID: BB890
 Deployment LAT: 43 25.513 N
 Deployment LON: 128 01.841 W
 Water Depth (M): 3278
 Relocation LAT: _____
 Relocation LON: _____

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 14.93 Temp: 20.5
 Initialize CF:
 D2D Dat Files Found: 29

EQUIPMENT INFORMATION
 Data Logger: 7
 Acoustic: 162
 Frame: 7
 Float: 7
 Radio: New - N/A
 Strobe: New - N/A
 Geophone: 0007 - (3028)
 Hydrophone: ?
 CF Serial Number: 2014-612
 CF Size: 64GB

First LBA: 1079552
 Last LBA: 122714367
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: 4th Cascadia deployment
 Sample Rate: 50
 Gains:
 CH1 1 CH2 1 CH3 1 CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 7-pack 3.9, 25.15
 Quantity: 2
 Clock Pack Type: N/A
 Quantity: N/A

Sync Clocks 1: 2014:209:22:52:00
 Sync Clocks 2: 2014:209:22:53:00
 System TAG: 2014:209:22:54:59.9999982
 Clock TAG: 2014:209:22:53:59.9999944
 SYS: 367 CLK: 367

LOGGER INFORMATION
 Logger Module: 2009-07-07
 CPU: _____
 A2D: _____
 A2D Daughter: 4
 Clock Board: 3
 Seascan: 1638
 Power Board: 12
 Power Dist: 14
 Software: Aug 23, 2012 14:59:48
Aug 22, 2012 17:12:59 (67)

Start Mission:
RECOVERY
 Voltage: 11.87V Temp: 57.7F
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 57304000
 Check LBA 2: 57304028
 End Logging- T1234:
 Save Time TAG: 2015:254:22:20:00
 PS Time TAG: 2015:254:22:20:56.0333197
 PC Time TAG: 2015:254:22:22:56.0333227
 PC Drift: -3.9666773 +1SEC = -2.9666773
 Type HS:

NOTES

ABALOWE

Trillium
 DEG

4x4 Deployment Checklist

LP

Lab Checkout Date: _____

Shipping Vacuum (In.Hg): _____

Cruise ID: 001407B

Checkout By (Deployment): EA

Site ID: BB 711

SP4x4: LP4x4:

Equipment SN:

Data Logger: 119
 Acoustic: 149
 Frame: 2
 Float: 1
 Light Strobe: NS 4
 Radio: NR 55
 L28 / Trillium: T240-50
 Hyd / DPG: 35
 Batt Bottle: NC

Data Logger Boards (SN):

CPU: 0108-057
 Seascan: B67
 A2D: 0108-034 (2-3x2, (off)x)
 CF: 5207-110
 Power: 4708-22 (1-2)x4
 Backplane:
 Divider: 4808-20 (23)x3

Compact Flash Cards:

Card A#: 13605 size: 64 GB
 Card B#: _____ size: _____ GB
 Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.5 1
 Type: Li+
 Quantity: 5

Clock Battery Info

Voltage: 2x1
 Type: Li+

4x4 Cards Fully Seated:
 Did Shipping Vacuum Change? _____
 4x4 Software Version: _____

Additional Comments:

- No Short Resistor (left over from L28)
- Reference = 2.50V
- * Logger main BATS DEAD
- * Logger Resets with CARSCABE IS FLEXY

Configuration:

Sync with GPS: 2014:208:09:10:00
 OBS Time OK: TFOM: 4
(From Terminal)
 Time Tag OK:
 Wakeup Time: 2014:208:15:00:00

Channel Configuration:

of Channels: 4
 Sampling Rate: 100 SPS

0 (X-L28/Trill) Gain: 1
 1 (Y-L28/Trill) Gain: 1
 2 (Z-L28/Trill) Gain: 1
 3 (Hyd/DPG) Gain: 64

Header Comment: T40 Jumper

Start Experiment: Clock Battery:
 Time Tag OK: Dessicant:
 Purge to 7" Hg: Seal Screw:
 4x4 Cards Taped:

Deployment:

Time (GMT): 2014:208:11:38:00
 Latitude: 44.179833 44.1713
 Longitude: -129.142567
 Water Depth (m): 2441

Acoustics Disabled:
 Ranging Survey:
 Survey Filename: _____

Recovery:

OBS TimeTag 1: 2015:254:03:14:58.7241320
 OBS TimeTag 2: 2015:254:03:15:59.7241334
 OBS Drift: -0.2758666 +1SEC = 0.2241334
 OBS Time OK: TFOM: 4
(From Terminal)
 Raw Filename: BATS DEAD USER 9V TO Power FOR PPM

- T40 Jumper
- Survey
- Run Plug

SP

Cruise ID: _____ **IRIS Code:** _____ **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/16/14 Deployment Prep By: MR (Paul Rewrite)
 Lab Checkout By: PG Instrument Type: SPABA DP6

STATION INFORMATION
 Site ID: BS 820
 Deployment LAT: 43.5801
 Deployment LON: -127.3629
 Water Depth (M): 2935
 Relocation LAT: _____
 Relocation LON: _____

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 7.4 Temp: 21.5
 Initialize CF:
 D2D Dat Files Found: 29

EQUIPMENT INFORMATION
 Data Logger: 13043
 Acoustic: 123
 Frame: F27
 Float: M&16
 Radio: NR40
 Strobe: NS34
 Geophone: 2007-034/6804
 Hydrophone: DP6 001
 CF Serial Number: CF64-13-019
 CF Size: 64

First LBA: 1079186
 Last LBA: 122714001
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: SP128 & DP6 Deployment (1 year)
 Sample Rate: 100
 Gains:
 CH1 16 CH2 16 CH3 16 CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 12-pack 7.5V Li+
 Quantity: 4
 Clock Pack Type: Li+ (C)
 Quantity: 4

Sync Clocks 1: 2014:210:06:22:00
 Sync Clocks 2: 2014:210:06:32:00
 System TAG: 2014:210:06:33:00.0000000
 Clock TAG: 2014:210:06:35:00.0000000
 SYS: 4/183 CLK: 3/182
 Start Mission: ← NOT CHECKED

LOGGER INFORMATION
 Logger Module: 13018
 CPU: _____
 A2D: 13A2D018
 A2D Daughter: 1406-17
 Clock Board: 13CLK018
 Seascan: 791
 Power Board: _____
 Power Dist: 13DIS018
 SP Mod L28 & DP6
 SW: Mar 18, 2013 11:01:56
 FW: Aug 22, 2012 (#67)

RECOVERY
 Voltage: 6.5V Temp: 54.9F
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 1440302
 Check LBA 2: 1440302
 End Logging- T1234:
 Save Time TAG: 2015:255:02:55:00
 PS Time TAG: 2015:255:02:56:59.0350179
 PC Time TAG: 2015:255:02:57:59.0350210
 PC Drift: -0.9649790 +4Sec = 0.035021
 Type HS:

NOTES
 Survey & Disable
 NO DATA BEYOND DATA1
 Logger STOPPED Recording very EARLY.
 DATA IN DATA1 LOOKS STRANGE.
 DATABASE SHOWS 124 TIMEBREAK BLOCK STAMPS RECORDED = 5 days of recording?

LP

4x4 Deployment Checklist

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: 0C1407B
 Checkout By (Deployment): _____ Site ID: BB721
 SP4x4: LP4x4:

Equipment SN:

Data Logger: 129
 Acoustic: 65
 Frame: 5
 Float: 02-5 NS-41
 Light Strobe: 11-128 2008-123
 Radio: NR27
 L28 / Trillium: T240-49
 Hyd / OPG: 003
 Batt Bottle: 1504

Data Logger Boards (SN):

(off) (2-3) (1-2)
 CPU: 4908-01B
 Seascan: 464
 A2D: 0108047
 CF: 480810
 Power: 004
 Backplane: _____
 A2D Divider: 4808-11 (T240)

Compact Flash Cards:

Card A#: 13604 size: 64 GB
 Card B#: _____ size: _____ GB
 Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.5
 Type: Li+
 Quantity: 5

Clock Battery Info

Voltage: 3.66
 Type: 2x Li+

4x4 Cards Fully Seated:
 Did Shipping Vacuum Change? _____
 4x4 Software Version: _____

Additional Comments:

- No Shunt Resistors (L28) -> Removed
 - Reference Voltage = 2.5V

Configuration:

Sync with GPS: 2014:208:16:34:00
 OBS Time OK: TFOM: 4
 (From Terminal)
 Time Tag OK:
 Wakeup Time: 2014:208:22:00:00

Channel Configuration:

of Channels: 4
 Sampling Rate: 100 SPS

0 (X-L28/Trill) Gain: 1 (0.311)
 1 (Y-L28/Trill) Gain: 1 (0.311)
 2 (Z-L28/Trill) Gain: 1 (0.311)
 3 (Hyd/OPG) Gain: 64

Header Comment: BB721 - logger 129 07-27-2014

Start Experiment: Clock Battery:
 Time Tag OK: Dessicant:
 Purge to 7" Hg: Seal Screw:
 4x4 Cards Taped:

Deployment:

Time (GMT): 2014:208:17:57:00
 Latitude: 43° 44.977 N
 Longitude: 129° 24.776 W
 Water Depth (m): 3170.86

Acoustics Disabled: ?
 Ranging Survey: ?
 Survey Filename: _____

Recovery:

OBS TimeTag 1: 2015:254:07:06:59.5120262
 OBS TimeTag 2: 2015:254:07:07:59.5120278
 OBS Drift: -0.4879722 +1sec = 0.5120278
 OBS Time OK: TFOM: 4
 (From Terminal) BATT'S DEAD
 used 9V TO Power + SET PPM
 Raw Filename: _____

T40 JUMPER(S)

1 P
LP

4x4 Deployment Checklist

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: _____
 Checkout By (Deployment): PC Site ID: J06D
 SP4x4: LP4x4:

Equipment SN:

Data Logger: 113
 Acoustic: 133
 Frame: _____ ?
 Float: _____ 0
 Light Strobe: NS-16
 Radio: NR-44
 L28 / Trillium: T240-51
 Hyd / DPG: _____ ?
 Batt Bottle: _____ 0

Data Logger Boards (SN):

CPU: 4708-037
 Seascan: 821
 A2D: 0108 04B (off) x2 (2-3) x2
 CF: A025
 Power: 4708-08 (1-2) x4
 Backplane: _____
 Divider: 4008-12 (2-3) x3 T240

Compact Flash Cards:

Card A#: 13608 size: 64 GB
 Card B#: _____ size: _____ GB
 Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.51
 Type: Li+
 Quantity: 5

Clock Battery Info

Voltage: 3.91
 Type: 2x Li

4x4 Cards Fully Seated:
 Did Shipping Vacuum Change? _____
 4x4 Software Version: _____

Additional Comments:

- No Shunt + Resistor (left over from L28)
 - Reference = 2.50V

Configuration:

Sync with GPS: 2014:209:00:20:00
 OBS Time OK: TFOM: 4
 (From Terminal)
 Time Tag OK:
 Wakeup Time: 2014:209:04:00:00

Channel Configuration:

of Channels: 4
 Sampling Rate: 100 SPS

0 (X-L28/Trill) Gain: 1
 1 (Y-L28/Trill) Gain: 1
 2 (Z-L28/Trill) Gain: 1
 3 (Hyd/DPG) Gain: 64

Header Comment: J06D Logger LP113 - 07-27-2014

Start Experiment: Clock Battery:
 Time Tag OK: Dessicant:
 Purge to 7" Hg: Seal Screw:
 4x4 Cards Taped:

Deployment:

Time (GMT): 2014-209 03:31
 Latitude: 43.2526
 Longitude: -128.8037
 Water Depth (m): 3245

Acoustics Disabled:
 Ranging Survey:
 Survey Filename: J06D*

Recovery:

DEAD ON ARRIVAL, used
 OBS TimeTag 1: 2015:254:13:32:57.894862
 OBS TimeTag 2: 2015:254:13:34:57.8948766
 OBS Drift: -1.1691234
 OBS Time OK: TFOM: 4
 (From Terminal) Time Locked
 Raw Filename: N/A

★ JUMPER LEFT ON T240

Last Modified: Fri Apr 13 2012

Drift: (57.8948766-60) + 1 = -1.1091234
We used external battery to power system
AND set to PAM.

1 D
SP

Cruise ID: IRIS Code: **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/16/14 Deployment Prep By: _____
Lab Checkout By: PG Instrument Type: SP-DPG

STATION INFORMATION
Site ID: BS 810
Deployment LAT: 43° 13.216N
Deployment LON: 126° 42.636W
Water Depth (M): 2950 2940
Relocation LAT: _____
Relocation LON: _____

DEPLOYMENT
Power Relays:
Main Trillium
Clock Analog
Voltage: 7.45 Temp: 22.0
Initialize CF:
D2D Dat Files Found: 29

EQUIPMENT INFORMATION
Data Logger: 13038
Acoustic: 33
Frame: F50
Float: M6 024
Radio: NK59
Strobe: NS 26
Geophone: GP46
Hydrophone: DPG 2
CF Serial Number: CF64-13-016
CF Size: 64GB

First LBA: 1079186
Last LBA: 12271400
Get Current LBA:
Enable FPGA Reset Detect:
Save Mission to EEPROM:
Display Mission Match:
Mission: SP 128 + DPG Deployment
Sample Rate: 100
Gains:
CH1 16 CH2 16 CH3 16 CH4 64
M1 M2 M3 M4

BATTERY INFORMATION
Main Power Type: 2.5 Li+
Quantity: 4
Clock Pack Type: C Li+
Quantity: 4

Sync Clocks 1: 2014:210:14:00:00
Sync Clocks 2: 2014:210:14:01:00
System TAG: 210:14:02:00.000000Z
Clock TAG: 210:14:03:00.000000Z
SYS: / CLK: ✓
Start Mission:

LOGGER INFORMATION
Logger Module: 13031
CPU: _____
A2D: 13A2D031
A2D Daughter: 1406-1B
Clock Board: 13CLK031
Seascan: 443
Power Board: _____
Power Dist: 13DIS031
SP Mod - 128 + DPG
sw: Mar 18, 2013 11:04:56
fw: Aug 28, 2012 17:17:59 (69)

RECOVERY
Voltage: 5.27 Temp: 58.3°F
FPGA Not Reset: (If reset **DO NOT** Click End Logging)
Check LBA 1: 110909716
Check LBA 2: 110909716
End Logging- T1234:
Save Time TAG: 2015:255:07:53:00
PS Time TAG: 2015:255:07:53:59.6325435
PC Time TAG: 2015:255:07:55:59.6326020
PC Drift: 0.632602
Type HS:

NOTES
(59.6326020 - 60) + 1 = 0.632602
 Survey + Disable

Cruise ID:

IRIS Code:

NEW ELECTRONICS CHECKLIST

SP

Lab Checkout Date: 7/18/14

Deployment Prep By: PG

Lab Checkout By: PG

Instrument Type: SP w/ DPG

STATION INFORMATION

Site ID: BS641

Deployment LAT: 42.9931

Deployment LON: -127.3022

Water Depth (M): 2840

Relocation LAT:

Relocation LON:

DEPLOYMENT

Power Relays:

Main Trillium Clock Analog

Voltage: 7.30 Temp: 21.4°C

Initialize CF:

D2D Dat Files Found: 29

EQUIPMENT INFORMATION

Data Logger: 13041

Acoustic: 113

Frame: 46

Float: 2008-0094

Radio: VII-109 2008-12B

Strobe: M08-006 2000-6004

Geophone: 2007-040/880020

Hydrophone: DPG-026

CF Serial Number: CF64-13-003

CF Size: 64

First LBA: 1079186

Last LBA: 12271400

Get Current LBA: Enable FPGA Reset Detect: Save Mission to EEPROM: Display Mission Match:

Mission: SP+DPG Deployment (1 Year)

Sample Rate: 100

Gains:

CH1 16 CH2 16 CH3 16 CH4 64

M1 M2 M3 M4

BATTERY INFORMATION

Main Power Type: 7.5V Li+

Quantity: 4

Clock Pack Type: C

Quantity: 4

Sync Clocks 1: 2014: 21: 00: 23: 00

Sync Clocks 2: 2014: 24: 00: 24: 00

System TAG: 2014: 21: 00: 25: 00.0000006

Clock TAG: 2014: 21: 00: 25: 59.9999989

SYS: CLK: Start Mission:

LOGGER INFORMATION

Logger Module: 13013

CPU: -

A2D: 13A2D013

A2D Daughter: 1406-11

Clock Board: 13CLK013

Seascan: 819

Power Board: ~~13DES013~~ ?

Power Dist: 13DES013

SPMod - L28 & DPG

SW - Mar 18, 2013 11:04:56

FW - Aug 22, 2012 17:12:59 (69)

RECOVERY

Voltage: 5.15V Temp: 63.3°F

FPGA Not Reset: (If reset **DO NOT** Click End Logging)

Check LBA 1: 110574808

Check LBA 2: 110574808

End Logging- T1234:

Save Time TAG: 2015: 255: 12: 52: 00

PS Time TAG: 2015: 255: 12: 52: 58.6742322

PC Time TAG: 2015: 255: 12: 54: 58.6741931

PC Drift: -0.3258069

Type HS:

NOTES

✓ - Survey complete
 ✓ - disabled

Pr. Ft. (8.6741931 - 60) + 2
 = 0.3258069 leapSec

Cruise ID: <u>CASCADIA</u>		IRIS Code: <u>X9</u>		NEW ELECTRONICS CHECKLIST	
Lab Checkout Date: <u>7/15/14</u>		Deployment Prep By: <u>EAJMR</u>		Instrument Type: <u>ABA</u>	
Lab Checkout By: <u>JLPG</u>		STATION INFORMATION			
Site ID: <u>G37D</u>		DEPLOYMENT			
Deployment LAT: <u>42.6286</u>		Power Relays:			
Deployment LON: <u>-127.3013</u>		Main <input checked="" type="checkbox"/> Trillium <input checked="" type="checkbox"/>			
Water Depth (M): <u>2805</u>		Clock <input checked="" type="checkbox"/> Analog <input checked="" type="checkbox"/>			
Relocation LAT: <u>42.6285</u>		Voltage: <u>15.62V</u>		Temp: <u>22.5C</u>	
Relocation LON: <u>-127.3009</u>		Initialize CF: <input checked="" type="checkbox"/>			
EQUIPMENT INFORMATION		D2D Dat Files Found: <u>29 = 64GiB</u>			
Data Logger: <u>10</u>		First LBA: <u>1079552</u>			
Acoustic: <u>157</u>		Last LBA: <u>122714367</u>			
Frame: <u>10</u>		Get Current LBA: <input checked="" type="checkbox"/>			
Float: <u>10</u>		Enable FPGA Reset Detect: <input checked="" type="checkbox"/>			
Radio: <u>—</u>		Save Mission to EEPROM: <input checked="" type="checkbox"/>			
Strobe: <u>—</u>		Display Mission Match: <input type="checkbox"/>			
Geophone: <u>TRC 10</u>		Mission: <u>ABALONES 4TH CASCADIA</u>			
Hydrophone: <u>DPG 10</u>		Sample Rate: <u>50 HZ</u>			
CF Serial Number: <u>2014-011</u>		Gains:			
CF Size: <u>64</u>		CH1 <u>1</u> CH2 <u>1</u> CH3 <u>1</u> CH4 <u>64</u>			
BATTERY INFORMATION		M1 <input checked="" type="checkbox"/> M2 <input checked="" type="checkbox"/> M3 <input checked="" type="checkbox"/> M4 <input checked="" type="checkbox"/>			
Main Power Type: <u>2x7cell Li 3.9, 7.5V</u>		Sync Clocks 1: <u>2014:21:09:29:00</u>			
Quantity: <u>2</u>		Sync Clocks 2: <u>2014:21:09:30:00</u>			
Clock Pack Type: <u>Part of Pack</u>		System TAG: <u>PS 2014:21:09:32:00.0000148</u>			
Quantity: <u>N/A</u>		Clock TAG: <u>PC 2014:21:09:32:59.9208413</u>			
LOGGER INFORMATION		SYS: <u>4</u> CLK: <u>15</u>			
Logger Module: <u>10</u>		Start Mission: <input checked="" type="checkbox"/>			
CPU:		RECOVERY			
A2D:		Voltage: <u>11.24</u> Temp: <u>15.9</u>			
A2D Daughter: <u>—</u>		FPGA Not Reset: <input checked="" type="checkbox"/> (If reset DO NOT Click End Logging)			
Clock Board: <u>8</u>		Check LBA 1: <u>57212716</u>			
Seascan: <u>LEBN. 446</u>		Check LBA 2: <u>57212740</u>			
Power Board: <u>18</u>		End Logging- T1234: <input checked="" type="checkbox"/>			
Power Dist: <u>18</u>		Save Time TAG: <u>2015:255:16:58:00</u>			
Version - same as previous ones		PS Time TAG: <u>2015:255:16:59:58.9314895</u>			
Trillium & DPG		PC Time TAG: <u>2015:255:17:01:58.8523495</u>			
sw: AHG 23, 2012 14:59:18		PC Drift: <u>0.1476505</u>			
Aug 22, 2012 17:12:59		Type HS: <u>L</u>			

NOTES

Backup clock needs several syncs

BB=18

No Radio

Noisy acoustic

Sensitive acoustic

Survey & Disable

ABALONES

-1476505 + 1SEC = 0.1476505

SYS: 589408 CLK: 589419

✓ * Logger DOA

LP

Cruise ID:		IRIS Code:		NEW ELECTRONICS CHECKLIST		
Lab Checkout Date: 7/15/14		Deployment Prep By: EA		Instrument Type: LP-NEW ELECT		
Lab Checkout By: JL/PG						
STATION INFORMATION			DEPLOYMENT			
Site ID: GB171			Power Relays:			
Deployment LAT: 41.5967			Main <input checked="" type="checkbox"/> Trillium <input checked="" type="checkbox"/>			
Deployment LON: -127.4234			Clock <input checked="" type="checkbox"/> Analog <input checked="" type="checkbox"/>			
Water Depth (M): 3469			Voltage: 15.09V		Temp: 76.1 F	
Relocation LAT:			Initialize CF: <input checked="" type="checkbox"/>			
Relocation LON:			D2D Dat Files Found: 29 = 64 @G			
EQUIPMENT INFORMATION			First LBA: 1079186			
Data Logger: 13003			Last LBA: 122714001			
Acoustic: 137			Get Current LBA: <input checked="" type="checkbox"/>			
Frame: F21			Enable FPGA Reset Detect: <input checked="" type="checkbox"/>			
Float: M6226			Save Mission to EEPROM: <input checked="" type="checkbox"/>			
Radio: NR11			Display Mission Match: <input type="checkbox"/>			
Strobe: NS84			Mission: ABALores TRILL			
Geophone: T240-13			Sample Rate: 100 HZ			
Hydrophone: DPG 001			Gains:			
CF Serial Number: CF64-13-007			CH1	CH2	CH3	CH4 64
CF Size: 64			M1 <input checked="" type="checkbox"/>	M2 <input checked="" type="checkbox"/>	M3 <input checked="" type="checkbox"/>	M4 <input checked="" type="checkbox"/>
BATTERY INFORMATION			Sync Clocks 1: 2014:212:09:33:00			
Main Power Type: 7.5V Li ⁺ (12-Pack)			Sync Clocks 2: 2014:212:09:36:00			
Quantity: 4			System TAG: PS 2014:212:09:37:00.000002			
Clock Pack Type: c-Li ⁺			Clock TAG: PC 2014:212:09:39:00.0000150			
Quantity: 4			SYS: 3		CLK: 2	
LOGGER INFORMATION			Start Mission: <input checked="" type="checkbox"/>			
Logger Module: 13023			RECOVERY			
CPU: 13CPU023			Voltage: N/A		Temp: N/A	
A2D: 13A2D023			FPGA Not Reset: <input type="checkbox"/> (If reset DO NOT Click End Logging)			
A2D Daughter:			Check LBA 1: N/A			
Clock Board: 13CLK023			Check LBA 2: N/A			
Seascan: 0073			End Logging- T1234: <input type="checkbox"/> N/A			
Power Board:			Save Time TAG: N/A			
Power Dist: 13DIS023			PS Time TAG: N/A			
* P MOD: DPG DPG & Trillium			PC Time TAG: N/A			
sw: Mar 18, 2013 11:04:56			PC Drift: N/A			
fw: Aug 22, 2013 (#09)			Type HS: <input type="checkbox"/> N/A			
NOTES						
<p>* Not able to stop logger on get TAG times CPU D.A. not see 32.768 mhz clock and would Trillium amplifiers → extra power being consumed not run</p> <p><input checked="" type="checkbox"/> Survey L DISABLE</p> <p>*** FPGA master clock PLL not Locked system halted</p> <p>We tried power cycling analog and digital as well as CPU reset but without success. CPU only presented text on serial window stating that it was waiting for 32.768 mhz clock and PLL not locked</p>						

LP

Cruise ID: _____ **IRIS Code:** _____ **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/10/14
 Lab Checkout By: PG/JL

Deployment Prep By: EA
 Instrument Type: LP New Electronics

STATION INFORMATION
 Site ID: GR11
 Deployment LAT: 41° 55.37' N
 Deployment LON: 127° 10.269' W
 Water Depth (M): 3403
 Relocation LAT: _____
 Relocation LON: _____

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 15.02 Temp: 72.5 F
 Initialize CF:
 D2D Dat Files Found: 29 = 64 GIGS

EQUIPMENT INFORMATION
 Data Logger: 13012
 Acoustic: 107
 Frame: 26
 Float: 242
 Radio: NR-001B
 Strobe: NS-000B
 Geophone: 6 (240-33)
 Hydrophone: 09-063
 CF Serial Number: CF64-13-014
 CF Size: 64

First LBA: 1079186
 Last LBA: 12271400
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: ADALONE TRILL
 Sample Rate: 100 Hz
 Gains:
 CH1 | CH2 | CH3 | CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 7.5 Li+ (2-Pack)
 Quantity: 4
 Clock Pack Type: C-Lit
 Quantity: 4

Sync Clocks 1: 2014:212:13:33:00
 Sync Clocks 2: 2014:212:13:34:00
 System TAG: 2014:212:13:34:59.9999969
 Clock TAG: 2014:212:13:35:59.9999992
 SYS: 2/56 CLK: 2/57
 Start Mission:

LOGGER INFORMATION
 Logger Module: 13000B
 CPU: 13000B
 A2D: 13A2D00B
 A2D Daughter: 1400-10
 Clock Board: 13CLK00B
 Seascan: 830
 Power Board:
 Power Dist: 13D1500B
 LP MOD: ~~DPG~~ DPG & Trillium
 sw: Mar 18, 2013 11:04:50
 fw: Aug 22, 2012 (#69)

RECOVERY
 Voltage: 10.82V Temp: 54.7
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 113184166
 Check LBA 2: 113184222
 End Logging- T1234:
 Save Time TAG: 2015:256:06:56:00
 PS Time TAG: 2015:256:06:56:58.8805239
 PC Time TAG: 2015:256:06:57:58.8805529
 PC Drift: -1.1194471 + 1SEC = -0.1194471
 Type HS:

NOTES
 Trillium using amplifiers → extra power being consumed.
 Survey & Diagnose

4x4 Deployment Checklist

LP

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: 0C1407B
 Checkout By (Deployment): EA Site ID: GB 341
 SP4x4: LP4x4:

Equipment SN:

Data Logger: LP 115
 Acoustic: 135
 Frame: _____
 Float: OR-3
 Light Strobe: NS 0042
 Radio: NR 006
 L28 / Trillium: 39 (240-123)
 Hyd (DPG): _____
 Batt Bottle: 1512

Data Logger Boards (SN):

CPU: 4708-039
 Seascan: 815
 A2D: 0108035
 CF: 480826
 Power: 4708-01
 Backplane: 98
 Divider: P-01 (2-3)x3 T240

Compact Flash Cards:

Card A#: 2014-605 size: 64 GB
 Card B#: _____ size: _____ GB
 Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.5 1 _____
 Type: Li+
 Quantity: 5

Clock Battery Info

Voltage: 3.8 1 _____
 Type: 2x Li+

4x4 Cards Fully Seated:
 Did Shipping Vacuum Change? _____
 4x4 Software Version: _____

Additional Comments:

- No Shunt Resistor (from L28)
- Reference = 2.50V

Configuration:

Sync with GPS: 2014:213:12:21:00
 OBS Time OK: TFOM: 4
 (From Terminal)
 Time Tag OK:
 Wakeup Time: 2014:213:16:00:00

Channel Configuration:

of Channels: 4
 Sampling Rate: 100 SPS

0 (X-L28/Trill) Gain: 1
 1 (Y-L28/Trill) Gain: 1
 2 (Z-L28/Trill) Gain: 1
 3 (Hyd/DPG) Gain: 64

Header Comment: LP 4x4

Start Experiment: Clock Battery:
 Time Tag OK: Dessicant:
 Purge to 7" Hg: Seal Screw:
 4x4 Cards Taped:

Deployment:

Time (GMT): 2014:213:14:26:00
 Latitude: 40° 22.502 N
 Longitude: 127° 20.462 W
 Water Depth (m): 1791.26

Acoustics Disabled:
 Ranging Survey:
 Survey Filename: _____

Recovery:

OBS TimeTag 1: 2015:257:00:47:00.5135043
 OBS TimeTag 2: 2015:257:00:49:00.5134887
 OBS Drift: ~~000.286080 + 1sec + 1.5135043~~
 OBS Time OK: TFOM: 4
 (From Terminal) BATS DEAD

Raw Filename: _____
000.5135043 + 1SEC = 1.5135043

T40 JUMPER

Cruise ID: _____ IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: _____ Deployment Prep By: EA
 Lab Checkout By: PG Instrument Type: ABALONE

STATION INFORMATION
 Site ID: GB 331
 Deployment LAT: 40.51217
 Deployment LON: -126.58465
 Water Depth (M): 3171
 Relocation LAT: _____
 Relocation LON: _____

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 15.20V Temp: 70.7 F
 Initialize CF:
 D2D Dat Files Found: 29 = 64 GB

EQUIPMENT INFORMATION
 Data Logger: 5
 Acoustic: 158
 Frame: 2
 Float: -
 Radio: -
 Strobe: -
 Geophone: TC 4
 Hydrophone: DPG 2
 CF Serial Number: 2014-701
 CF Size: 64 GB

First LBA: 1079552
 Last LBA: 122714367
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: ABALONE 477 CAS
 Sample Rate: 50 Hz
 Gains:
 CH1 | CH2 | CH3 | CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: LITHIUM
 Quantity: _____
 Clock Pack Type: _____
 Quantity: _____

Sync Clocks 1: 2014:223:14:10:00
 Sync Clocks 2: 2014:223:14:11:00
 System TAG: PS 2014:223:14:12:59.9993599
 Clock TAG: PC 2014:223:14:14:59.9998998
 SYS: 4 CLK: 4
 Start Mission:

LOGGER INFORMATION
 Logger Module: _____
 CPU: _____
 A2D: _____
 A2D Daughter: _____
 Clock Board: _____
 Seascan: _____
 Power Board: _____
 Power Dist: _____

RECOVERY
 Voltage: 10.96 Temp: 16.4
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 55807692
 Check LBA 2: 55807724
 End Logging- T1234:
 Save Time TAG: 2015:257:15:48:00
 PS Time TAG: 2015:257:15:49:57.0472916
 PC Time TAG: 2015:257:15:50:57.0479218
 PC Drift: -1.9520282
 Type HS:

NOTES
 missing DATA SHEET FOR
 LOGGER # 5. I did NOT
 OPEN TO ID NUMBERS.

574656 574656
 Survey & DISABLE
 → +1 SRC Collection
ABALONE S

✓ *Q dropped anchor → Deployed in Burn cycle*
→ turn around

LP

4x4 Deployment Checklist

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: _____
Checkout By (Deployment): _____ Site ID: GILD
SP4x4: LP4x4:

Equipment SN:

Data Logger: 100
Acoustic: ~~122~~ 122
Frame: P0004
Float: _____
Light Strobe: NS-0047
Radio: NR-0065
L28 / Trillium: 2 (T240)
Hyd / DPG: 015
Batt Bottle: _____

Data Logger Boards (SN):

CPU: 0108-011
Seascan: B74
A2D: 0108-046 (2-3rd, off x2)
CF: A023
Power: A029 (1-2)x4
Backplane: _____
Divider A005 (2-3)x3

Compact Flash Cards:

Card A#: 13601 size: 64 GB
Card B#: _____ size: _____ GB
Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.51
Type: Li+
Quantity: 5

Clock Battery Info

Voltage: 3.66
Type: 2x Li+

4x4 Cards Fully Seated:
Did Shipping Vacuum Change? _____
4x4 Software Version: _____

Additional Comments:

- No shunt
- Reference = 2.50V

DPG in back

Configuration:

Sync with GPS: 2014:214:21:21:00
OBS Time OK: TFOM: 4
(From Terminal)
Time Tag OK: 2014:215:02:00:00
Wakeup Time: ~~2014-214-22-02-00~~

Channel Configuration:

of Channels: 4
Sampling Rate: 100 SPS
0 (X-L28/Trill) Gain: 1 (.311)
1 (Y-L28/Trill) Gain: 1 (.311)
2 (Z-L28/Trill) Gain: 1 (.311)
3 (Hyd/DPG) Gain: 64

Header Comment: GILD - logger 100
Start Experiment: Clock Battery:
Time Tag OK: Dessicant:
Purge to 7" Hg: Seal Screw:
4x4 Cards Taped:

Deployment:

Time (GMT): 2014:214:03:58
Latitude: ~~40.7863~~ 40.7864
Longitude: ~~-126.4681~~ -126.4681
Water Depth (m): 3145

Acoustics Disabled:
Ranging Survey:
Survey Filename: GILD

Recovery:

OBS TimeTag 1: NA
OBS TimeTag 2: _____
OBS Drift: NA
OBS Time OK: NO TFOM: _____
(From Terminal) ** ALL BATTERIES ARE DEAD*
Raw Filename: _____

T40 JUMPER
(POSSIBLE PLL) 268MB OF DATA
Last Modified: Fri Apr 13 2012

4x4 Deployment Checklist

D
LP

Lab Checkout Date: _____ Shipping Vacuum (In.Hg): _____ Cruise ID: _____
Checkout By (Deployment): P.G. Site ID: GB321
SP4x4: LP4x4:

Equipment SN:

Data Logger: 108
Acoustic: 136
Frame: _____
Float: OR-2
Light Strobe: 2008-095 NS-005
Radio: NR0072
L28 / Trillium: T240-45
Hyd / DPG: DPG-13-001
Batt Bottle: ZB

Data Logger Boards (SN):

CPU: 0108-062
Seascan: 827
A2D: 0108-039 (23)x2
CF: 5207-038 (OFF)
Power: 5107-065 (1-2)x4
Backplane: _____
Divider: 1002 (2-3)x3
T240

Compact Flash Cards:

Card A#: 13607 size: 64 GB
Card B#: _____ size: _____ GB
Card C#: _____ size: _____ GB

Main Battery Info

Voltage: 7.5
Type: Li+ 7.5
Quantity: 5

Clock Battery Info

Voltage: 2xc 1
Type: 2xc Li+

4x4 Cards Fully Seated:
Did Shipping Vacuum Change? _____
4x4 Software Version: _____

Additional Comments:

- No shunt Resistor
- Reference = 2.50V

- DPG in back

Configuration:

2014: 214: 16:05:00
Sync with GPS: ~~2014 214: 15:38:00~~
OBS Time OK: TFOM: 4
(From Terminal)
Time Tag OK:
Wakeup Time: 2014: 214: 20:00:00

Channel Configuration:

of Channels: 4
Sampling Rate: 100 SPS

0 (X-L28/Trill) Gain: 1 (.311)
1 (Y-L28/Trill) Gain: 1 (.311)
2 (Z-L28/Trill) Gain: 1 (.311)
3 (Hyd/DPG) Gain: 64

Header Comment:

GB321 - longer 100
Start Experiment: Clock Battery:
Time Tag OK: Dessicant:
Purge to 7" Hg: Seal Screw:
4x4 Cards Taped:

Deployment:

Time (GMT): 2014: 124: 21:02:00
Latitude: 40° 23.469 N
Longitude: 125° 54.661 W
Water Depth (m): 2283.83

Acoustics Disabled: ?
Ranging Survey:
Survey Filename: _____

Recovery:

OBS TimeTag 1: 2015: 257: 23:33:58.7712794
OBS TimeTag 2: 2015: 257: 23:34:58.7712796
OBS Drift: -1.2287204 +1 SEC -0.2287204
OBS Time OK: NO TFOM: 4
(From Terminal) DEAD WITH BATT
Raw Filename: _____

T40 Jumper

Cruise ID: *Cascadia* IRIS Code: *X9* **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: *7/15/2014* Deployment Prep By: *mb*
 Lab Checkout By: _____ Instrument Type: *Abalone*

STATION INFORMATION	DEPLOYMENT
Site ID: <i>FS04</i>	Power Relays:
Deployment LAT: <i>40.252617</i>	Main <input checked="" type="checkbox"/> Trillium <input type="checkbox"/>
Deployment LON: <i>-124.504417</i>	Clock <input checked="" type="checkbox"/> Analog <input checked="" type="checkbox"/>
Water Depth (M): <i>155</i>	Voltage: <i>15.63</i> Temp: <i>66.7 F</i>
Relocation LAT: _____	Initialize CF: <input type="checkbox"/>
Relocation LON: _____	D2D Dat Files Found: <i>29 = 64GB</i>

EQUIPMENT INFORMATION	DEPLOYMENT
Data Logger: <i>13</i>	First LBA: <i>30976</i>
Acoustic: <i>159</i>	Last LBA: <i>1079551</i>
Frame: <i>13</i>	Get Current LBA: <input checked="" type="checkbox"/>
Float: _____	Enable FPGA Reset Detect: <input checked="" type="checkbox"/>
Radio: <i>Battery D04H6 13</i>	Save Mission to EEPROM: <input checked="" type="checkbox"/>
Strobe: _____	Display Mission Match: <input checked="" type="checkbox"/>
Geophone: <i>12</i>	Mission: <i>Abalone 4th CAS</i>
Hydrophone: _____	Sample Rate: <i>50</i>
CF Serial Number: <i>CF64-13-023</i>	Gains:
CF Size: <i>64GB</i>	CH1 <i>1</i> CH2 <i>1</i> CH3 <i>1</i> CH4 <i>64</i>
	M1 <input checked="" type="checkbox"/> M2 <input checked="" type="checkbox"/> M3 <input checked="" type="checkbox"/> M4 <input checked="" type="checkbox"/>

BATTERY INFORMATION	DEPLOYMENT
Main Power Type: <i>2x7 cell Li⁺ 3.9, 7.5, 15</i>	Sync Clocks 1: <i>2014:224:00:43:00</i>
Quantity: <i>2</i>	Sync Clocks 2: <i>2014:224:00:46:00</i>
Clock Pack Type: <i>Part of Pack</i>	System TAG: <i>2014:224:00:48:59.9990744</i>
Quantity: <i>NA</i>	Clock TAG: <i>2014:224:00:50:59.9999961</i>
	SYS: <i>5</i> CLK: <i>5</i>
	Start Mission: <input checked="" type="checkbox"/>

LOGGER INFORMATION	RECOVERY
Logger Module: <i>13</i>	Voltage: <i>11.29V</i> Temp: <i>57.4 F</i>
CPU: _____	FPGA Not Reset: <input checked="" type="checkbox"/> (If reset DO NOT Click End Logging)
A2D: _____	Check LBA 1: <i>55846096</i>
A2D Daughter: <i>14</i>	Check LBA 2: <i>55846099</i>
Clock Board: <i>12</i>	End Logging- T1234: <input checked="" type="checkbox"/>
Seascan: <i>1642</i>	Save Time TAG: <i>2015:258:09:05:00</i>
Power Board: <i>7</i>	PS Time TAG: <i>2015:258:09:05:58.3827086</i>
Power Dist: <i>19</i>	PC Time TAG: <i>2015:258:09:07:58.3833354</i>
<i>Trillium DPG CPU Aug 23, 2012 Aug 22, 2012 (69)</i>	PC Drift: <i>-0.6166646</i>
	Type HS: <input checked="" type="checkbox"/>

NOTES
 Need to sync multiple times for backup clock.
 $\text{Drift} = (58.3833354 - 60) = -1.6166646$
 $-1.6166646 + 1 = -0.6166646$
ABALONE

Cruise ID: _____ IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/15/14
 Lab Checkout By: PG/JL

Deployment Prep By: MRG
 Instrument Type: Abalones

STATION INFORMATION
 Site ID: FS08
 Deployment LAT: 40.334333
 Deployment LON: -124.465017
 Water Depth (M): 132 m
 Relocation LAT:
 Relocation LON:

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 15.24 Temp: 59.9 F
 Initialize CF:
 D2D Dat Files Found: 29 = 6463

EQUIPMENT INFORMATION
 Data Logger: 6
 Acoustic: 161
 Frame: 06
 Float:
 Radio: battery bottle 6
 Strobe:
 Geophone: 06
 Hydrophone:
 CF Serial Number: 2014-604
 CF Size: 64

First LBA: 1079552
 Last LBA: 122714307
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: Abalones 4th CAS
 Sample Rate: 50
 Gains:
 CH1 1 CH2 1 CH3 1 CH4 6.4
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 2x7^{cell} Lithium 3.9, 7.5, 2.5
 Quantity: 2
 Clock Pack Type: Part of Back
 Quantity: N/A

Sync Clocks 1: 2014:224:01:07:00
 Sync Clocks 2: 2014:224:01:09:00
 System TAG: 2014:224:01:09:59.9988943
 Clock TAG: 2014:224:01:11:00.0000067
 SYS: 2 CLK: 2
 Start Mission:

LOGGER INFORMATION
 Logger Module: 6
 CPU:
 A2D:
 A2D Daughter: -
 Clock Board:
 Seascan: 1048
 Power Board: 23
 Power Dist: 10
 Version: same as previous
 Trillium & DPG
 SW1 Aug 23, 2012 14:59:18
 Aug 22, 2012 17:12:59 (log)

RECOVERY
 Voltage: 11.49V Temp: 55.8°F
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 55850576
 Check LBA 2: 55850580
 End Logging- T1234:
 Save Time TAG: 2015:258:10:15:00
 PS Time TAG: 2015:258:10:16:00.3984791
 PC Time TAG: 2015:258:10:18:00.3996632
 PC Drift: 1.3996632
 Type HS:

NOTES
 XEOS &
 Nova Tech
 Nova Freq 154.585
 could not get the
 radio to work,
 light was OK

Drift = $0.3996632 + 1 = 1.3996632$
 Survey & DISABLE
 Leap Sec

ABALONES

Cruise ID: IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/16/14
 Lab Checkout By: PG/JL

Deployment Prep By: EA
 Instrument Type: ABALONES

STATION INFORMATION
 Site ID: FS 44
 Deployment LAT: 40.761
 Deployment LON: -124.703
 Water Depth (M): 837
 Relocation LAT:
 Relocation LON:

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 15.36V Temp: 58.1F
 Initialize CF:

EQUIPMENT INFORMATION
 Data Logger: 14
 Acoustic: 165
 Frame: 14
 Float:
 Radio: —
 Strobe: —
 Geophone: TC 13
 Hydrophone: DPG 14
 CF Serial Number: CF04-13-φφ5
 CF Size: 64

D2D Dat Files Found: 29 = 64GB
 First LBA: 10791803
 Last LBA: 122714φφ1
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: ABALONES 47th CAS
 Sample Rate: 50 Hz
 Gains:
 CH1 1 CH2 1 CH3 1 CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 2x7 cell Li+(3.9,7.5V)
 Quantity: 2
 Clock Pack Type: Part of Pack
 Quantity: N/A

Sync Clocks 1: 2014:224:10:11:00
 Sync Clocks 2: 2014:224:10:12:00
 System TAG: 2014:224:10:12:59.9999642
 Clock TAG: 2014:224:10:14:59.9999949
 SYS: 3 CLK: 3

LOGGER INFORMATION
 Logger Module: 14
 CPU: 20
 A2D: 10
 A2D Daughter: 11
 Clock Board: 5
 Seascan: 1647
 Power Board: 21
 Power Dist: 21
 Trillium 2 BPG
 CPU Aug 23, 2012
 Aug 22, 2012 (260A)

Start Mission:
RECOVERY
 Voltage: 11.15 Temp: 16.9
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 55839722
 Check LBA 2: 55839742
 End Logging-T1234:
 Save Time TAG: 2015:258:17:28:00
 PS Time TAG: ~~2015:258:17:32:58.4739331~~ 2015:258:17:32:58.4739331
 PC Time TAG: 2015:258:17:30:58.4739331
 PC Drift: -0.5260669
 Type HS:

NOTES
 Output of HK log AB points
 to failed clock

Confirmed SerKey disabled

ABALONES

39
321

Cruise ID: _____		IRIS Code: <u>X9</u>		NEW ELECTRONICS CHECKLIST	
Lab Checkout Date: <u>7/15/14</u>		Deployment Prep By: <u>MR6</u>		Instrument Type: <u>Abalones</u>	
Lab Checkout By: <u>PG/JL</u>					
STATION INFORMATION		DEPLOYMENT			
Site ID: <u>G100</u>		Power Relays:			
Deployment LAT: <u>40.78540</u>		Main <input checked="" type="checkbox"/> Trillium <input checked="" type="checkbox"/>			
Deployment LON: <u>-125.55700</u>		Clock <input checked="" type="checkbox"/> Analog <input checked="" type="checkbox"/>			
Water Depth (M): <u>3015</u>		Voltage: <u>15.35</u>		Temp: <u>61.7 F</u>	
Relocation LAT: _____		Initialize CF: <input checked="" type="checkbox"/>			
Relocation LON: _____		D2D Dat Files Found: <u>29 = 64 GB</u>			
EQUIPMENT INFORMATION		First LBA: <u>1087552</u>			
Data Logger: <u>2</u>		Last LBA: <u>122722367</u>			
Acoustic: <u>155</u>		Get Current LBA: <input checked="" type="checkbox"/>			
Frame: <u>015</u>		Enable FPGA Reset Detect: <input checked="" type="checkbox"/>			
Float: _____		Save Mission to EEPROM: <input checked="" type="checkbox"/>			
Radio: _____		Display Mission Match: <input checked="" type="checkbox"/>			
Strobe: _____		Mission: <u>Abalones 4th CAS</u>			
Geophone: <u>Trillium - 015</u>		Sample Rate: <u>50</u>			
Hydrophone: <u>DP6 - 015</u>		Gains:			
CF Serial Number: <u>2014-703</u>		CH1 <u>1</u> CH2 <u>1</u> CH3 <u>1</u> CH4 <u>64</u>			
CF Size: <u>64</u>		M1 <input checked="" type="checkbox"/> M2 <input checked="" type="checkbox"/> M3 <input checked="" type="checkbox"/> M4 <input checked="" type="checkbox"/>			
BATTERY INFORMATION		Sync Clocks 1: <u>2014:223:02:40:00</u>			
Main Power Type: <u>2x7cell 4 3.9, 7.5, 15</u>		Sync Clocks 2: <u>2014:223:02:42:00</u>			
Quantity: <u>2</u>		System TAG: <u>2014:223:02:45:00.0015266</u>			
Clock Pack Type: <u>Part of Pack</u>		Clock TAG: <u>2014:223:02:47:00.0000235</u>			
Quantity: <u>N/A</u>		SYS: <u>4</u>		CLK: <u>4</u>	
LOGGER INFORMATION		Start Mission: <input checked="" type="checkbox"/>			
Logger Module: <u>2</u>		RECOVERY			
CPU: <u>22</u>		Voltage: <u>11.05 V</u>		Temp: <u>57.4 F</u>	
A2D: <u>9</u>		FPGA Not Reset: <input checked="" type="checkbox"/> (If reset DO NOT Click End Logging)			
A2D Daughter: <u>12</u>		Check LBA 1: <u>56058396</u>			
Clock Board: <u>14</u>		Check LBA 2: <u>56058420</u>			
Seascan: <u>1636</u>		End Logging- T1234: <input checked="" type="checkbox"/>			
Power Board: <u>18</u>		Save Time TAG: <u>2015:258:22:50:00</u>			
Power Dist: <u>23</u>		PS Time TAG: <u>2015:258:22:51:03.4618761</u>			
Trillium & DPG		PC Time TAG: <u>2015:258:22:53:03.4603612</u>			
sw: <u>Aug 23, 2012 14:59:18</u>		PC Drift: <u>3.4603612 + 1SEC = 4.4603612</u>			
<u>Aug 22, 2012 17:12:59 (GA)</u>		Type HS: <input checked="" type="checkbox"/>			
NOTES					
<input checked="" type="checkbox"/> Survey + Disable ABAlowed					

Cruise ID: CASCADIA		IRIS Code: X9		NEW ELECTRONICS CHECKLIST	
Lab Checkout Date: 7/15/2014		Deployment Prep By: EA		Instrument Type: ADALONE	
Lab Checkout By: P.G.					
STATION INFORMATION		DEPLOYMENT			
Site ID: GB 281		Power Relays:			
Deployment LAT: 41.0333833		Main <input checked="" type="checkbox"/> Trillium <input type="checkbox"/>			
Deployment LON: -126.0933		Clock <input checked="" type="checkbox"/> Analog <input checked="" type="checkbox"/>			
Water Depth (M): 3124		Voltage: 15.42V		Temp: 74.3 F	
Relocation LAT:		Initialize CF: <input checked="" type="checkbox"/>			
Relocation LON:		D2D Dat Files Found: 29 = 64GB			
EQUIPMENT INFORMATION		First LBA: 1079552			
Data Logger: 15		Last LBA: 122714367			
Acoustic: 160		Get Current LBA: <input checked="" type="checkbox"/>			
Frame: 5		Enable FPGA Reset Detect: <input checked="" type="checkbox"/>			
Float: 5		Save Mission to EEPROM: <input type="checkbox"/>			
Radio: -		Display Mission Match: <input checked="" type="checkbox"/>			
Strobe: -		Mission: ADALONE 4TH CAS			
Geophone: TC 15		Sample Rate: 50 HZ			
Hydrophone: DPG 5		Gains:			
CF Serial Number: 2014-602		CH1 CH2 CH3 CH4 64			
CF Size: 64GB		M1 <input checked="" type="checkbox"/> M2 <input checked="" type="checkbox"/> M3 <input checked="" type="checkbox"/> M4 <input checked="" type="checkbox"/>			
BATTERY INFORMATION		Sync Clocks 1: 2014:223:07:47:00			
Main Power Type: 2 x 7cell		Sync Clocks 2: 2014:223:07:49:00			
Quantity: 2		System TAG: PS 2014:223:07:53:00.0003281			
Clock Pack Type: PART OF PC		Clock TAG: PC 2014:223:07:54:59.999954			
Quantity: NA		SYS: 5		CLK: 5	
LOGGER INFORMATION		Start Mission: <input checked="" type="checkbox"/>			
Logger Module: 2014-07-015		RECOVERY			
CPU: -		Voltage: 11.05V		Temp: 60.6 F	
A2D: -		FPGA Not Reset: <input checked="" type="checkbox"/> (If reset DO NOT Click End Logging)			
A2D Daughter: 02		Check LBA 1: 56044356			
Clock Board: 14		Check LBA 2: 56044360			
Seascan: 1649		End Logging-T1234: <input checked="" type="checkbox"/>			
Power Board: 20		Save Time TAG: 2015:259:02:52:00			
Power Dist: 25		PS Time TAG: 2015:259:02:52:55.7931935			
TRK & DPG Software AUG 23 2012 14:57:14 FPGA AUG 22 2012 17:12:57 (9)		PC Time TAG: 2015:259:02:55:55.7928408			
		PC Drift: -3.2071592			
		Type HS: <input checked="" type="checkbox"/>			
NOTES		$Dir: ft = (55.7928408 - 60) + 1 = -3.2071592$ <input checked="" type="checkbox"/> Survey & DISABLE ^{Leap Second} ADALONE S			
PC Issue? SYNC Sequential TO ZERO OUT					

LEG# 2 SP

Cruise ID: IRIS Code: **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/16/2014
Lab Checkout By: PG

Deployment Prep By: MRB
Instrument Type: SP-DPG

STATION INFORMATION
Site ID: G5261
Deployment LAT: 40.979183
Deployment LON: -125.219667
Water Depth (M): 3077 m
Relocation LAT:
Relocation LON:

DEPLOYMENT
Power Relays:
Main Trillium
Clock Analog
Voltage: 7.42 Temp: 32 F
Initialize CF:
D2D Dat Files Found: 29 = 64613

EQUIPMENT INFORMATION
Data Logger: 13037
Acoustic: 127
Frame: 0BS-10-F00101
Float: 0BS10-M60004/6
Radio: NR0080
Strobe: NS0029
Geophone: 13002-02513-620
Hydrophone: DPG 019 ⁴⁰⁹
CF Serial Number: CF64-13-002
CF Size: 64GB

First LBA: 1079186
Last LBA: 122714001
Get Current LBA:
Enable FPGA Reset Detect:
Save Mission to EEPROM:
Display Mission Match:
Mission: SP L28 & DPG
Sample Rate: 100
Gains:
CH1 16 CH2 16 CH3 16 CH4 64
M1 M2 M3 M4

BATTERY INFORMATION
Main Power Type: 7.5V Li+
Quantity: 4
Clock Pack Type: 4xC Li+
Quantity: 4

Sync Clocks 1: 2014:222:20:27:00
Sync Clocks 2: 2014:222:20:29:00
System TAG: 2014:222:20:30:00.0000011
Clock TAG: 2014:222:20:31:59.9999980
SYS: 4 CLK: 2

LOGGER INFORMATION
Logger Module: 13034
CPU: -
A2D: -
A2D Daughter: 1406-19
Clock Board: -
Seascan: 804
Power Board: 130IS 034
Power Dist:
SPMod - L28 & DPG
SW - Mar 18, 2013 11:04:56
FA# - Aug 27, 2012 17:12:59 (69)

RECOVERY
Voltage: 5.42V Temp: 58.1 F
FPGA Not Reset: (If reset **DO NOT** Click End Logging)
Check LBA 1: 110572371
Check LBA 2: 110572371
End Logging- T1234:
Save Time TAG: 2015:259:08:35:00
PS Time TAG: 2015:259:08:36:58.3383827
PC Time TAG: 2015:259:08:38:58.3383824
PC Drift: -0.6616176
Type HS:

NOTES

Drift = $(58.3383824 - 60) + 1$
= -0.6616176
 survey & Disable

Cruise ID: CASCADIA IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/15/14
 Lab Checkout By: PG/JL

Deployment Prep By: EJMG
 Instrument Type: ABALONES

STATION INFORMATION
 Site ID: GBL81
 Deployment LAT: 42.023333
 Deployment LON: -126.584603
 Water Depth (M): 3585
 Relocation LAT:
 Relocation LON:

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 15.71 V Temp: 73.4 F
 Initialize CF:

EQUIPMENT INFORMATION
 Data Logger: 8
 Acoustic: 154
 Frame: 8
 Float: —
 Radio: X205
 Strobe: X205
 Geophone: Trillium 8
 Hydrophone: DP6 8
 CF Serial Number: 2014-702
 CF Size: 64

D2D Dat Files Found: 29 = 64 GB CF
 First LBA: 1079552
 Last LBA: 122714307
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: Abalones 4th CAS
 Sample Rate: 50 SPS
 Gains:
 CH1 1 CH2 1 CH3 1 CH4 64
 M1 M2 M3 M4

BATTERY INFORMATION
 Main Power Type: 2x7cell Li 39,7.5,15
 Quantity: 2
 Clock Pack Type: Part of Pack
 Quantity: N/A

Sync Clocks 1: 2014:220:20:30:00
 Sync Clocks 2: 2014:220:20:31:00
 System TAG: PS 2014:220:20:33:59.9999977
 Clock TAG: PC 2014:220:20:37:00.0000187
 SYS: 7/42 CLK: 7/42

LOGGER INFORMATION
 Logger Module: 8
 CPU: —
 A2D: —
 A2D Daughter: Barcode
 Clock Board: —
 Seascan: 824
 Power Board: 1
 Power Dist: —
 Version: same as previous
 Trillium & DPG
 SW: Aug 23, 2012 14:59:18
Aug 22, 2012 17:12:59

RECOVERY
 Voltage: 11.33 V Temp: 59.9 F
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 56482176
 Check LBA 2: 56482208
 End Logging- T1234:
 Save Time TAG: 2015:259:20:13:00
 PS Time TAG: 2015:259:20:15:58.9161083
 PC Time TAG: 2015:259:20:16:58.9161322
 PC Drift: -0.0838678
 Type HS:

NOTES
 channel & something wrong fixed - broken with connection at connector
 clk needs to be synced multiple times

Survey + DISABLE

ABALONES

BAT
 Part
 8

Cruise ID: _____ **IRIS Code:** _____ **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/16/14
Lab Checkout By: PG/JL

Deployment Prep By: _____
Instrument Type: _____

STATION INFORMATION
Site ID: BS611
Deployment LAT: 42.837122°N
Deployment LON: 126.013623°W
Water Depth (M): 2720
Relocation LAT: _____
Relocation LON: _____

DEPLOYMENT
Power Relays:
Main Trillium
Clock Analog
Voltage: 7.41 Temp: 27.5
Initialize CF:
D2D Dat Files Found: 29

EQUIPMENT INFORMATION
Data Logger: 13013
Acoustic: 130
Frame: F106
Float: MG00026
Radio: NR0038
Strobe: NS0053
Geophone: GP31
Hydrophone: 05039
CF Serial Number: CF64-13-012
CF Size: 64

First LBA: 1029186
Last LBA: 122714001
Get Current LBA:
Enable FPGA Reset Detect:
Save Mission to EEPROM:
Display Mission Match:
Mission: SP + ~~0028~~ PPG Deployment
Sample Rate: 100
Gains:
CH1 16 CH2 16 CH3 16 CH4 64
M1 M2 M3 M4

BATTERY INFORMATION
Main Power Type: 3.5V Li+ (12-Pack)
Quantity: 4
Clock Pack Type: C-Li+
Quantity: 4

Sync Clocks 1: 2014:216:19:09:00
Sync Clocks 2: 2014:216:19:10:20 2014:216:19:14:00
System TAG: 2014:216:19:10:59.999 2014:216:19:14:00
Clock TAG: 2014:216:19:16:00.0000190
SYS: _____ CLK: _____

LOGGER INFORMATION
Logger Module: 13026
CPU: 13CPU026
A2D: 13A2D026
A2D Daughter: 1406-16
Clock Board: 13CLK026
Seascan: 829
Power Board: _____
Power Dist: 13DIS026
SPM0D: 284DP6
SW: Mar 18, 2013 11:04:56
FW: Aug 22, 2012 (#67)

RECOVERY
Voltage: 5.28V Temp: 54.7°F
FPGA Not Reset: (If reset **DO NOT** Click End Logging)
Check LBA 1: 111143455
Check LBA 2: 111143455
End Logging- T1234:
Save Time TAG: 2015:260:02:47:00
PS Time TAG: 2015:260:02:47:59.7583530
PC Time TAG: 2015:260:02:49:59.7584123
PC Drift: 0.7584123
Type HS:

NOTES
CF Lot # 120413932B

$$\text{Drift} = (59.7584123 - 60) \times 1$$

$$\text{Drift} = 0.7584123 \text{ } \overset{\text{keep}}{\text{seconds}}$$

066

00
19:14
59.999
919

Cruise ID: CASCADIA IRIS Code: X9 **NEW ELECTRONICS CHECKLIST**

Lab Checkout Date: 7/15/14
 Lab Checkout By: PG/JL

Deployment Prep By: EA
 Instrument Type: ABALONES

STATION INFORMATION
 Site ID: MIGD
 Deployment LAT: 41.661533
 Deployment LON: -124.806817
 Water Depth (M): 882
 Relocation LAT:
 Relocation LON:

DEPLOYMENT
 Power Relays:
 Main Trillium
 Clock Analog
 Voltage: 15.62V Temp: 66.2F
 Initialize CF:
 D2D Dat Files Found: 29 = 64 GB
 First LBA: 1079552
 Last LBA: 122714367
 Get Current LBA:
 Enable FPGA Reset Detect:
 Save Mission to EEPROM:
 Display Mission Match:
 Mission: ABALONES 477+CAJ
 Sample Rate: 50 Hz

EQUIPMENT INFORMATION
 Data Logger: 9
 Acoustic: 151
 Frame: 9
 Float: -
 Radio: -
 Strobe: -
 Geophone: TC 9
 Hydrophone: DPG 9
 CF Serial Number: 2014-704
 CF Size: 64

Gains:
 CH1 | CH2 | CH3 | CH4 64
 M1 M2 M3 M4
 Sync Clocks 1: 2014:224:15:56:00
 Sync Clocks 2: 2014:224:15:58:00
 System TAG: PS 2014:224:15:58:59.9995323
 Clock TAG: PC 2014:224:16:00:59.9999737
 SYS: 7 CLK: 7
 Start Mission:

BATTERY INFORMATION
 Main Power Type: 2x7cell Li 3.9, 7.5, 15
 Quantity: 2
 Clock Pack Type: Part of Pack
 Quantity: N/A

LOGGER INFORMATION
 Logger Module: 9
 CPU: 15
 A2D: 3
 A2D Daughter: 15
 Clock Board: 25
 Seascan: 1643
 Power Board: 11
 Power Dist: 8
 version: same as previous
 Trillium & DPG
 SW: Aug 23, 2012 14:59:18
 Aug 22, 2012 17:12:59

RECOVERY
 Voltage: 11.33 Temp: 14.9
 FPGA Not Reset: (If reset **DO NOT** Click End Logging)
 Check LBA 1: 56077156
 Check LBA 2: 56077156
 End Logging-T1234:
 Save Time TAG: 2015:260:16:42:00
 PS Time TAG: 2015:260:16:42:54.1665802
 PC Time TAG: 2015:260:16:43:54.1680988
 PC Drift: -4.8319012
 Type HS:

NOTES Drift = $\{54.1680988 - 60\} + 1$

Survey + DISABLE

ABALONES

ERNIE ⇒ BLAKE (NABDOS SHARE)

Site	Logger	CF	AC	Sensor	REL-LAT	REL-LON	Depth	raw backup	sqLite	split	update TB	mseed	Data	screen	Comments	CH0-Y	CH1-Y	CH2-Z	CH3-DPG
✓ J20D	3	610	152	3	44.3604	-127.1085	2936	✓	✓	✓	✓	✓	26.40	✓	LP-new electronics abalones	✓	✓	✓	✓
✓ BB830	13023	15	89	T240-47	44.0244	-127.6311	2939	✓	✓	✓	✓	✓	59.2	✓	LP-new electronics	✓	✓	✓	✓
✓ BB850	1	604	164	1	44.5332	-128.0860	2875	✓	✓	✓	✓	✓	53.7	✓	abalones STUCK	✓	✓	✓	✓
✓ J23D	13008	8	139	T240-11	44.8274	-129.6805	2726	✓	✓	✓	✓	✓	53.7	✓	LP-new electronics	✓	✓	✓	✓
✓ BB751	LP121	607	75	T240-42	44.5903	-130.6532	2872	✓	✓	✓	✓	✓	26.8	✓	LP-4X4 new electronics	✓	✓	✓	✓
✓ BB870	4	603	156	2	44.0454	-130.1018	3219	✓	✓	✓	✓	✓	26.8	✓	abalones	✓	✓	✓	✓
✓ BB711	LP119	605	149	T240-50	44.1684	-129.1427	2441	✓	✓	✓	✓	✓	53.46	✓	LP-4X4	✓	✓	✓	✓
✓ BB721	LP129	604	65	T240-49	43.7499	-129.4137	3171	✓	✓	✓	✓	✓	53.79	✓	LP-4X4	✓	✓	✓	✓
✓ J06D	113	600	133	T240-51	43.2526	-128.8041	3245	✓	✓	✓	✓	✓	52.5	✓	LP-4X4	✓	✓	✓	✓
✓ BB860	LP130	609	117	T240-44	43.7308	-128.5037	2660	✓	✓	✓	✓	✓	26.7	✓	LP-4X4 DEAD CF	✓	✓	✓	✓
✓ BB840	7	612	162	7	43.4253	-128.0334	3278	✓	✓	✓	✓	✓	26.8	✓	abalones	✓	✓	✓	✓
✓ BS820	13043	19	123	34	43.5799	-127.3618	2935	✓	✓	✓	✓	✓	53.46	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ BS810	13038	16	33	GP46	43.2176	-126.7093	2940	✓	✓	✓	✓	✓	52.3	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ BS641	13041	13	113	2007-40	42.9939	-127.3020	2840	✓	✓	✓	✓	✓	52.2	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ G37D	10	611	157	10	42.6285	-127.3009	2805	✓	✓	✓	✓	✓	26.7	✓	abalones	✓	✓	✓	✓
✓ G30D	LP125	601	57	T240-30	41.9509	-128.2975	3178	✓	✓	✓	✓	✓	51.7	✓	LP-4X4 DEAD CF	✓	✓	✓	✓
✓ GB111	13012	14	107	T240-33	41.9217	-127.1716	3403	✓	✓	✓	✓	✓	53.4	✓	LP-new electronics	✓	✓	✓	✓
✓ GB171	13003	7	137	T240-13	41.5970	-127.4254	3469	✓	✓	✓	✓	✓	53.5	✓	LP-new electronics DOA	✓	✓	✓	✓
✓ GS221	13044	82	20	GP30	41.0760	-126.9152	3005	✓	✓	✓	✓	✓	51.7	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ G12D	LP142	608	124	T240-15	40.7730	-127.1362	2884	✓	✓	✓	✓	✓	26.10	✓	LP-4X4	✓	✓	✓	✓
✓ GB341	LP115	605	135	T240-39	40.3721	-127.4423	1791	✓	✓	✓	✓	✓	26.10	✓	abalones	✓	✓	✓	✓
✓ GB331	5	158	4		40.5130	-126.5840	3171	✓	✓	✓	✓	✓	26.10	✓	abalones	✓	✓	✓	✓
✓ G11D	LP100	601	122	T240-2	40.7845	-126.4683	3145	✓	✓	✓	✓	✓	53.2	✓	LP-4X4 DEAD CF	✓	✓	✓	✓
✓ GB321	LP108	607	136	T240-45	40.3922	-125.9117	2283	✓	✓	✓	✓	✓	53.63	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ GS311	13032	6	131	GP65	40.4554	-125.1320	2498	✓	✓	✓	✓	✓	26.1	✓	abalones	✓	✓	✓	✓
✓ FS04	13	23	159	12	40.2528	-124.5052	155	✓	✓	✓	✓	✓	26.1	✓	abalones	✓	✓	✓	✓
✓ FS08	6	606	161	6	40.3347	-124.4653	132	✓	✓	✓	✓	✓	26.1	✓	abalones	✓	✓	✓	✓
✓ FS19	12	705	163	14	40.6239	-124.4704	100	✓	✓	✓	✓	✓	26.1	✓	abalones	✓	✓	✓	✓
✓ FS44	14	5	165	13	40.7609	-124.7028	837	✓	✓	✓	✓	✓	26.1	✓	abalones	✓	✓	✓	✓
✓ GS261	13037	2	127	GP409	40.9785	-125.2135	3077	✓	✓	✓	✓	✓	26.2	✓	abalones	✓	✓	✓	✓
✓ G10D	2	703	155	15	40.7888	-125.5544	3015	✓	✓	✓	✓	✓	26.2	✓	abalones	✓	✓	✓	✓
✓ GB281	15	602	160	5	41.0284	-126.0899	3124	✓	✓	✓	✓	✓	26.2	✓	abalones	✓	✓	✓	✓
✓ GS151	13040	716	112	GP57	41.6943	-126.3597	2963	✓	✓	✓	✓	✓	26.4	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ GB101	8	702	154	8	42.0205	-126.5880	3585	✓	✓	✓	✓	✓	26.4	✓	abalones	✓	✓	✓	✓
✓ GS611	13013	12	130	GP31	42.8374	-126.0116	2720	✓	✓	✓	✓	✓	26.4	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ GS031	13042	716	129	GP64	42.3568	-125.8614	2625	✓	✓	✓	✓	✓	26.4	✓	SP-DPG new electronics	✓	✓	✓	✓
✓ GS141	13039	301	101	814	41.6537	-125.5548	3118	✓	✓	✓	✓	✓	26.2	✓	abalones	✓	✓	✓	✓
✓ M16D	9	704	151	9	41.6618	-124.8071	882	✓	✓	✓	✓	✓	26.2	✓	abalones	✓	✓	✓	✓
✓ G33D	11	704	153	11	42.6653	-124.8020	686	✓	✓	✓	✓	✓	26.2	✓	abalones	✓	✓	✓	✓