BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: By:

LOGGER INFORMATION 13039
Logger Module: 13019
CF Serial Number: 2008-621
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.74V 10/9/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:
Data Logger: 13039
Acoustics: 115
Frame: F107
Float: M616
Radio: NR277
Strobe: N316
Geophone: OBS10-GP0040
Hydrophone (/ DPG): OBS10 HYD041
Deploy Time: 325:21:32:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.29V Temp: 78.2°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓ 10799899 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SAnt-Deplor.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:20:49:05 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:325:20:51:00.0000177
Clock TAG (PC): 2015:325:20:52:59.9999958
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 341 By: MRB

(V) Voltage: 7.91V Temp: 65.5°
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 9784702 # Sectors: 870479
Save Time TAG (u): 2015:341:17:48:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:341:17:48:59.9850874
** ***Drift (based on System tag time):*** -0.0149126
Clock TAG (PC): 2015:341:17:50:59.9851082
Save Housekeeping to CF (HS): [✓]

NOTES: * Logger was not responsive to Sync pulse from MELT 2 Fiber Clock. This was caused by the green wire on the VSK Connector not being connected.

revised 01 Sept 201

[N/A] O-RING N/A

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/8/15 By: SPM

LOGGER INFORMATION SP202
- Logger Module: 15001
- CF Serial Number: 2015-018
- CF Size: 32GB
- Number A2D files:
- Expected Data Size:

BATTERY INFORMATION
- Main Power Type: ALK
- Quantity: 48D 19.72V 10/8/15
- Clock Pack Type: ALK Date checked:
- Quantity: 2D 3.24V
- Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:
- Data Logger: SP202
- Acoustics: 0094
- Frame: OBS10-F59
- Float: OBS10 MG33
- Radio: OBS10-NR0024
- Strobe: OBS10-NS0039
- Geophone: OBS10-GP0060
- Hydrophone (/ DPG): OBS10-HY0020
- Deploy Time: 324:20:06:00
- Acoustic Disabled [✓]

Relocation Survey [Y / N / NA]
- Rel-LAT: —
- Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Site ID: 0510 4
LAT (Dec°): 36.588493
LON (Dec°): 25.519150
Water Depth (M): 415
Acoustic Unit #: 90

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.20V Temp: 74.5F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 5
Current LBA static (L)?: [✓] 1079203 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:18:33:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:18:35:00.0006565
Clock TAG (PC): 2015:324:18:38:59.9999798
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 343:10:24 By: SPM

(V) Voltage: 7.75v Temp: 65°F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1131540 # Sectors: 1023238
Save Time TAG (u): 2015:343:10:26:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:343:10:26:59.8760654
** ***Drift {based on System tag time}:*** ~~0.0~~ -0.1239346
Clock TAG (PC): 2015:343:10:28:59.8753968
Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

N/A
NA O-rings

BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: 10/9/15 By: SPM

LOGGER INFORMATION 1301Ø
Logger Module: 13037
CF Serial Number: 2008-551
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 4BD / 9.74V 10/9/15 Date checked
Clock Pack Type: ALK
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:
Data Logger: 1301Ø
Acoustics: 40
Frame: F58
Float: M628
Radio: NR37
Strobe: 2009-04
Geophone: OBS10-6P0033
Hydrophone (/ DPG): OBS10-117D07
Deploy Time: 324: 19:23:ØØ
Acoustic Disabled [M]

Relocation Survey [Y/N/(NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.26V Temp: 74.3F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1Ø799ØØ {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:17:42:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:17:43:59.9988605
Clock TAG (PC): 2015:324:17:46:00.0000012
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 343 By: EA
(V) Voltage: 7.86 Temp: 65.1 F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1129518 # Sectors: 1021531Ø
Save Time TAG (u): 2015:343Ø8:46:ØØ **TFOM:** 4
** ***System TAG (PS):*** 2015:343:Ø8:47:ØØ.Ø389629
** ***Drift {based on System tag time}:*** Ø.Ø389629
Clock TAG (PC): 2015:343:Ø8:48:ØØ.Ø321168
Save Housekeeping to CF (HS): [✓]

NOTES: MELT2

revised 01 Sept 2015

Site ID: 05109
LAT (Dec°): 36.578890
LON (Dec°): 25.578147
Water Depth (M): 454
Acoustic Unit #: 40

☑ ORings

BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: 10/8/15 By: SPM

LOGGER INFORMATION SP201
- Logger Module: 14008
- CF Serial Number: 2015-001
- CF Size: 16 GB
- Number A2D files:
- Expected Data Size:

BATTERY INFORMATION
- Main Power Type: ALK
- Quantity: 4 D 19.72 V
- Clock Pack Type: ALK Date checked:
- Quantity: 2 D 3.24 V
- Anticpiated Duration: 60 D

Notes:

DEPLOYMENT INFORMATION
Date: 11/20 By: MLG
- Data Logger: SP201
- Acoustics: 64
- Frame: F-41
- Float: MG-45
- Radio: NR58
- Strobe: NS85
- Geophone: OBS10-GP0063
- Hydrophone (DPG): OBS15-HYD0001
- Deploy Time: 325:05:13:00
- Acoustic Disabled [Y]

Relocation Survey [Y/N/(NA)]
- Rel-LAT: —
- Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.24V Temp: 77.9°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079989 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SAnt_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:03:18:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:325:03:22:59.9999904
Clock TAG (PC): 2015:325:03:26:00.000045
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 2015:342:11:41 By: SPM
(V) Voltage: 7.86 Temp: 66°F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1059726 # Sectors: 9512818
Save Time TAG (u): 2015:342:11:44:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:11:45:00.0324941
** ***Drift {based on System tag time}:*** 0.0324941
Clock TAG (PC): 2015:342:11:47:00.0325086
Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

Reprogrammed Clock Board MSP430

A2D connection for seismometer (Geophone) was possibly not seated properly but this was most likely caused by the electric tape securing the [✓] O-RINGS from being removed. This is probably not a problem

OS119 ✓

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

Cruise ID: SANTORINI MGL15-[illegible]21

Network Code: 1E

Site ID: OS 119

LAT (Dec°): 36.653697

LON (Dec°): 25.863080

Water Depth (M): 718

Acoustic Unit #: 60

LAB CHECKOUT

Date: 10/6/15 By: SPM

DEPLOYMENT SETUP

Date: 324 By: TA

Power Relays:

Main (QM1) [M] ✓ Trillium (QS1) [M]

Clock (QC1) [M] ✓ Analog (QA1) [M] ✓

(V) Voltage: 8.73V Temp: 76.1F

Erase housekeeping data (he1234): [M] ✓

Mount CF (FV): [M] ✓ A2D Dat Files Found: 4

Current LBA static (L)?: [M] ✓ 1079909 {use multiple (L) commands}

Enable FPGA Reset Detect (W4,1): [M] ✓

Save Mission to EEPROM (ZL): [M] ✓ Display Mission Match (X20000): [M] ✓

Mission: SANTORINI "Sant_Deploy.txt"

Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [M] ✓

days A2D recording: 55.3 ? **Sample Rate:** 200

Gains: CH1 64 CH2 64 CH3 64 CH4 16

A2D Check (1st two char.): (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓

Values changing on all channels @ appropriate rate? [M] ✓

Clock Sync Time (U): 2015:324:06:33:00 TFOM: 4

Type "D" To be sure clocks zero out: [M] ✓

SYS Minutes: 1 CLK Minutes: 1 Diff by ~1: [M] ✓

System TAG (PS): 2015:324:06:34:59.9993299

Clock TAG (PC): 2015:324:06:40:59.999892

*** ***Start Mission (ZR)***: [M] ✓ ***

LOGGER INFORMATION 13016

Logger Module: 13025

CF Serial Number: 2088-698

CF Size: 16GB

Number A2D files:

Expected Data Size:

BATTERY INFORMATION

Main Power Type: ALK

Quantity: 48D 19.2V

Clock Pack Type: [redacted] ALK Date checked: 10/6/15

Quantity: 2D 13.24V

Anticipated Duration: 60D

Notes:

DEPLOYMENT INFORMATION

Date: 2015:324 By: TA

Data Logger: 13816

Acoustics: 60

Frame: F48

Float: MG38

Radio: XEOS

Strobe: XEOS

Geophone: OBS10-GP48

Hydrophone / DPG: OBS10-HYD302

Deploy Time: 324:10:12:00

Acoustic Disabled [M] ✓

Relocation Survey [Y / N / NA]

ReLAT: 36.653697

ReLON: 25.863080

RECOVERY INFORMATION

Date: 343 By: MRB

(V) Voltage: 7.74V Temp: 65.3

FPGA Not Reset (R0): [R] ✓ {If reset DO NOT Click End Logging}

LBA Incrementing by # channels (L): [M] ✓ {use multiple (L) commands}

End Logging (T1234): [M] ✓ Last Sector: 1142186 # Sectors: 10341278

Save Time TAG (U): 2015:343:03:14:00 TFOM: 4

** ***System TAG (PS)***: 2015:343:03:14:59.9529795

** ***Drift (based on System tag time)***: -0.0470205

Clock TAG (PC) 2015:343:03:15:59.9536564

Save Housekeeping to CF (HS): [M] ✓

revised 03 Sept 2015

NOTES: We did not POP since the ROF was on at Deployment

XEOS
RADIO
POSITION
OFF?

Working ✓

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: SP – BUG

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13035
Logger Module: 14814
CF Serial Number: 2008 - 529
CF Size: 16
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.72V
Clock Pack Type: ALK Date checked: 10/7/15
Quantity: 2D / 3.24V
Anticpiated Duration:

Notes:

DEPLOYMENT INFORMATION
Date: 324 By: EA
Data Logger: 13035
Acoustics: 67
Frame: OBS10-F106
Float: OBS10-M694
Radio: OBS10-NR62
Strobe: OBS10-NS17
Geophone: OBS10-GP31
Hydrophone (/ DPG) OBS10-HYD42
Deploy Time: 324:14:31:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 324 By: EA

Site ID: OS128
LAT (Dec°): 36.630763
LON (Dec°): 25.809992
Water Depth (M): 716
Acoustic Unit #: 67

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.19V Temp: 76.1 F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] *{ use multiple (L) commands }*
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANTORINI
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:13:23:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:13:25:00.00008023
Clock TAG (PC): 2015:324:13:26:00.00000037
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 343 By: EA

(V) Voltage: 7.74 Temp: 65.1 F
FPGA Not Reset (R0): [✓] *{ If reset **DO NOT** Click End Logging }*
LBA Incrementing by # channels (L): [✓] *{ use multiple (L) commands }*
End Logging (T1234): [✓] Last Sector: 11290834 # Sectors: 10218926
Save Time TAG (u): 2015:343:04:16:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:343:04:16:59.9751176
** ***Drift (based on System tag time):*** −0.0248824
Clock TAG (PC): 2015:343:04:17:59.9743187
Save Housekeeping to CF (HS): [✓]

NOTES:

revised 01 Sept 2015

IV OKing

BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: 10/9/15 By: SPM

LOGGER INFORMATION 13005
Logger Module: ~~1400~~ 1422
CF Serial Number: 2008-684
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.75V 10/9/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 324 By: MB
Data Logger: 13005
Acoustics: ~~02~~
Frame: F-62
Float: MG44
Radio: NRG7
Strobe: ~~AS03~~ NS36
Geophone: OBS10-6P001G
Hydrophone (/ DPG): OBS10-HD068
Deploy Time: 324:17:41:~~00~~
Acoustic Disabled [✓]

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Site ID: 05122
LAT (Dec°): 36.579395
LON (Dec°): 25.669697
Water Depth (M): 202
Acoustic Unit #: 02

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.28V Temp: 74.3°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079989 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:16:48:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:16:50:00.0003975
Clock TAG (PC): 2015:324:16:51:59.9999962
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 343 By: EA

(V) Voltage: 7.86 Temp: 65.4V
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1126737~~8~~ # Sectors: 10187462
Save Time TAG (u): 2015:343:06:39:~~00~~ **TFOM:** 4
** ***System TAG (PS):*** 2015:343:06:39:59.9851200
** ***Drift {based on System tag time}:*** -0.0148800
Clock TAG (PC): 2015:343:06:40:59.9847288
Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

[✓] ORings

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT

Date: 10/8/15 By: SPM

LOGGER INFORMATION SP203

Logger Module: 13824

CF Serial Number: 2008-518

CF Size: 16 GB

Number A2D files:

Expected Data Size:

BATTERY INFORMATION

Main Power Type: ALK

Quantity: 48D 19.75V

Clock Pack Type: ALK Date checked: 10/8/15

Quantity: 2D 13.24V

Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION

Date: 11/20 By: ML

Data Logger: SP203

Acoustics: 58

Frame: F-11

Float: MG.03

Radio: NR-0042

Strobe: NS-0084

Geophone: OBS10-GP0055

Hydrophone / DPG: OBS10-HYD027

Deploy Time: 324:21:01:00

Acoustic Disabled [ ] 8

Relocation Survey [Y / N / (NA)]

Rel-LAT: —

Rel-LON: —

Cruise ID: SANTORINI MGL15-17

Network Code: 1E

DEPLOYMENT SETUP

Date: 11/20 By: ML

Power Relays:

Main (QM1) [✓] Trillium (QS1) [✓]

Clock (QC1) [✓] Analog (QA1) [✓]

(V) Voltage: 9.28 Temp: 76.1 °F

Erase housekeeping data (he1234): [✓]

Mount CF (FV): [✓] A2D Dat Files Found: 4

Current LBA static (L)?: [✓] 1079909 { use multiple (L) commands }

Enable FPGA Reset Detect (W4,1): [✓]

Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]

Mission: Sant_deploy.txt

Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]

days A2D recording: 55.3 **Sample Rate:** 200

Gains: CH1 64 CH2 64 CH3 64 CH4 16

A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓

Values changing on all channels @ appropriate rate? [✓]

Clock Sync Time (U): 2015:324:19:09:00 **TFOM:** 4

Type "D" To be sure clocks zero out: [✓]

SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]

System TAG (PS): 2015:324:19:10:00.0017889

Clock TAG (PC): 2015:324:19:11:00.0000006

*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION

Date: 342 By: MLG

(V) Voltage: 7.68V Temp: 66.4

FPGA Not Reset (R0): [✓] { If reset **DO NOT** Click End Logging }

LBA Incrementing by # channels (L): [✓] { use multiple (L) commands }

End Logging (T1234): [✓] Last Sector: 10916838 # Sectors: 9836930

Save Time TAG (u): 2015:342:17:40:00 **TFOM:** 4

** ***System TAG (PS):*** 2015:342:17:41:00.0221121

** ***Drift {based on System tag time}:*** 0.0221121

Clock TAG (PC): 2015:342:17:43:00.0202383

Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

[✓] ORings

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: SP-BUG

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13824
Logger Module: 13805
CF Serial Number: 2008-514
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.75V
Clock Pack Type: ALK Date checked: 10/7/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By: MLB
Data Logger: 13824
Acoustics: 31
Frame: F-35
Float: MG-52
Radio: NR-56
Strobe: NS-65
Geophone: OBS10-G70028
Hydrophone (/ DPG): OBS10-HYD029
Deploy Time: 325:02:31:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Site ID: OS125
LAT (Dec°): 36.495905
LON (Dec°): 25.454898
Water Depth (M): 299
Acoustic Unit #: 31

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.20V Temp: 72.7°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:23:57:60 ***TFOM:*** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by -1: [✓]
System TAG (PS): 2015:324:23:58:59.9983530
Clock TAG (PC): 2015:325:00:02:00.0000024
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 2015:342:12:32:00 By: SPM
(V) Voltage: 7.76V Temp: 66.2F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1690374 # Sectors: 9610466
Save Time TAG (u): 2015:342:12:35:60 ***TFOM:*** 4
** ***System TAG (PS):*** 2015:342:12:35:59.9842802
** ***Drift {based on System tag time}:*** -0.0157198
Clock TAG (PC): 2015:342:12:37:59.9859455
Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

[✓] ORINGS

BUG- ELECTRONICS CHECKLIST

Instrument Type: SP LP ABA FLIP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13028
Logger Module: 13020
CF Serial Number: 2008-680
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.78V
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: EA

Data Logger: 13028
Acoustics: 25
Frame: F67
Float: MG58
Radio: NR59
Strobe: NS48
Geophone: OBS10 GP41
Hydrophone (/ DPG): OBS10 HYD2
Deploy Time: 325:11:12:00
Acoustic Disabled [Y]

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [Y] Trillium (QS1) [Y]
Clock (QC1) [Y] Analog (QA1) [Y]
(V) Voltage: 9.25V Temp: 77.9°F
Erase housekeeping data (he1234): [Y]
Mount CF (FV): [Y] A2D Dat Files Found: 4
Current LBA static (L)?: [Y] 1079589 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [Y]
Save Mission to EEPROM (ZL): [Y] Display Mission Match (X20000): [Y]
Mission: SANT-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [Y]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [Y]
Clock Sync Time (U): 2015:325:10:18:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [Y]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [Y]
System TAG (PS): 2015:325:10:20:00.0021140
Clock TAG (PC): 2015:325:10:21:53.5366897
*** ***Start Mission (ZR):*** [Y] ***

RECOVERY INFORMATION
Date: 342 By: EA

(V) Voltage: 7.82 Temp: 66.1F
FPGA Not Reset (R0): [Y] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [Y] {use multiple (L) commands}
End Logging (T1234): [Y] Last Sector: 18238678 # Sectors: 9208770
Save Time TAG (u): 2015:342:05:23:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:05:23:24.3284196
** ***Drift (based on System tag time):*** PC DRIFT -4.7649978
Clock TAG (PC): 2015:342:05:24:55.2350022
Save Housekeeping to CF (HS): [Y]

NOTES: revised 01 Sept 2015

MEGA PC WAS SLOW EARLY EVEN AFTER REPROGRAMMING THE CLOCK BOARD.

* BIG DRIFT

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13030
Logger Module: 14002
CF Serial Number: 2015-004
CF Size: 16GB
Number A2D files: 4
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D 19.72V
Clock Pack Type: ALK Date checked: 10/7/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:
Data Logger: 13030
Acoustics: 82
Frame: OBS10 - F31
Float: OBS10 - MG00001
Radio: OBS10 - NR47
Strobe: OBS10 - NS0062
Geophone: OBS10 - GP39
Hydrophone (/ DPG): OBS10 - HD70
Deploy Time: 324:13:58:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.35V Temp: 74.3°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANT_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:12:57:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 1 CLK Minutes: 1 Diff by ~1: ✓
System TAG (PS): 2015:324:12:59:59.9985962
Clock TAG (PC): 2015:324:13:02:00.0000013
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 343 By: EA
(V) Voltage: 7.8V Temp: 64.6F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 11323014 # Sectors: 10242106
Save Time TAG (u): 2015:343:05:12:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:343:05:13:00.0141048
** ***Drift (based on System tag time):*** 0.0141048
Clock TAG (PC): 2015:343:05:14:00.0155325
Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

✓ ORings

BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: 10/9/15 By: SPM

LOGGER INFORMATION 13011
Logger Module: 14024
CF Serial Number: 2015-016
CF Size: 32 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.77V 10/9/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION

Date: By:

Data Logger: 13011
Acoustics: 95
Frame: F40
Float: M620
Radio: NRA01
Strobe: NS08
Geophone: OBS10-GP0010
Hydrophone (/DPG): 2000-0067
Deploy Time: 324:18:17:00
Acoustic Disabled [✓]

Relocation Survey [Y / N (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP

Date: 11/21 By: MG

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.36 Temp: 74.3 F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 5
Current LBA static (L)?: [✓] 1079203 { use multiple (L) commands }
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:17:19:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:17:20:00.0010363
Clock TAG (PC): 2015:324:17:21:59.9999952
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION

Date: 343 By: FA

(V) Voltage: 7.91 Temp: 65.2
FPGA Not Reset (R0): [✓] { If reset **DO NOT** Click End Logging }
LBA Incrementing by # channels (L): [✓] { use multiple (L) commands }
End Logging (T1234): [✓] Last Sector: 1127812 # Sectors: 18198918
Save Time TAG (u): 2015:343:07:19:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:343:07:59.9649673
** ***Drift {based on System tag time}:*** -0.0350327
Clock TAG (PC): 2015:343:07:21:59.9639141
Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

[✓] ORINGS

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT

Date: 10/5/15 By: SPM

LOGGER INFORMATION 13015

Logger Module: 14020

CF Serial Number: 2015-0089

CF Size: 32 GB

Number A2D files:

Expected Data Size:

BATTERY INFORMATION

Main Power Type: ALK

Quantity: 48D / 9.72V 10/5/15

Clock Pack Type: ALK Date checked:

Quantity: 2D / 3.24V

Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION

Date: 11/20 By: MLB

Data Logger: 13015

Acoustics: 71

Frame: F-25

Float: MG-37

Radio: NR-48

Strobe: NS-68

Geophone: OBS10-GP0044

(Hydrophone) / DPG: OBS14-HYD001

Deploy Time: 324:21:30:00

Acoustic Disabled [ ] 7 0

Relocation Survey [Y / N / N/A]

Rel-LAT: —

Rel-LON: —

Cruise ID: SANTORINI MGL15-17

Network Code: 1E

Site ID: 05137

LAT (Dec°): 36.520602

LON (Dec°): 25.589285

Water Depth (M): 327

Acoustic Unit #: 71

DEPLOYMENT SETUP

Date: 11/20/15 By: SPM

Power Relays:

Main (QM1) [✓] Trillium (QS1) [✓]

Clock (QC1) [✓] Analog (QA1) [✓]

(V) Voltage: 9.18V Temp: 73.5°F

Erase housekeeping data (he1234): [✓]

Mount CF (FV): [✓] A2D Dat Files Found: 5

Current LBA static (L)?: [✓] 10792803 {use multiple (L) commands}

Enable FPGA Reset Detect (W4,1): [✓]

Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]

Mission: Sant_deplox.txt

Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]

days A2D recording: 60.9 **Sample Rate:** 200

Gains: CH1 64 CH2 64 CH3 64 CH4 16

A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓

Values changing on all channels @ appropriate rate? [✓]

Clock Sync Time (U): 2015:324:20:23:00 **TFOM:** 4

Type "D" To be sure clocks zero out: [✓]

SYS Minutes: 0 CLK Minutes: 0 Diff by −1: [✓]

System TAG (PS): 2015:324:20:25:00.0012703

Clock TAG (PC): 2015:324:20:27:59.9999942

*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION

Date: 342:18:27 By: SPM

(V) Voltage: 7.65V Temp: 65.8°F

FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}

LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}

End Logging (T1234): [✓] Last Sector: 10906880 # Sectors: 9827678

Save Time TAG (u): 2015:342:18:30:00 **TFOM:** 4

** ***System TAG (PS):*** 2015:342:18:30:59.9586113

** ***Drift (based on System tag time):*** −0.0413887

Clock TAG (PC): 2015:342:18:31:59.9573560

Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

H/B ORings

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/8/15 By: SPM

LOGGER INFORMATION SP200
Logger Module: 14013
CF Serial Number: 2008-506
CF Size: 16
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.72V 10/8/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: EA

Data Logger: SP200
Acoustics: 99
Frame: F 52
Float: MG 244
Radio: NR 18
Strobe: NS 28
Geophone: ODS10-GP7
Hydrophone (/ DPG): ODS10 50
Deploy Time: 325:09:58:07
Acoustic Disabled [Y]

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 325 By: EA

Site ID: OS141
LAT (Dec°): 36.489388
LON (Dec°): 25.387473
Water Depth (M): 70
Acoustic Unit #: 99

Power Relays:
Main (QM1) [Y] Trillium (QS1) [Y]
Clock (QC1) [Y] Analog (QA1) [Y]
(V) Voltage: 9.25 Temp: 71.1F
Erase housekeeping data (he1234): [Y]
Mount CF (FV): [Y] A2D Dat Files Found: 4
Current LBA static (L)?: [Y] {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [Y]
Save Mission to EEPROM (ZL): [Y] Display Mission Match (X20000): [Y]
Mission: SANTORINI
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [Y]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): V (M2): V (M3): V (M4): V
Values changing on all channels @ appropriate rate? [Y]
Clock Sync Time (U): 2015:325:08:00:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [Y]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [Y]
System TAG (PS): 2015:325:08:00:59.9993131
Clock TAG (PC): 2015:325:08:02:59.9999976
*** ***Start Mission (ZR):*** [Y] ***

RECOVERY INFORMATION
Date: 342 By: EA

(V) Voltage: 7.91 Temp: 68.0 F
FPGA Not Reset (R0): [Y] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [Y] {use multiple (L) commands}
End Logging (T1234): [Y] Last Sector: 1036010 # Sectors: 9258102
Save Time TAG (u): 2015:342:06:09:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:06:09:59.9892580
** ***Drift {based on System tag time}:*** -0.0107420
Clock TAG (PC): 2015:342:06:10:59.9897903
Save Housekeeping to CF (HS): [Y]

NOTES: MELT2

revised 01 Sept 2015

NA ORing

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/8/15 By: SPM

LOGGER INFORMATION SP206
Logger Module: 13002
CF Serial Number: 2008-675
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK #
Quantity: 48D / 9.72V
Clock Pack Type: ALK Date checked: 10/8/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: EA
Data Logger: SP206
Acoustics: 94
Frame: F64
Float: M6236
Radio: NR44
Strobe: NS71
Geophone: ODS10GP47
Hydrophone (/ DPG): ODS18HYD25
Deploy Time: 325:11:46:00
Acoustic Disabled [Y]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.34V Temp: 73.6°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANT-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:10:56:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:325:10:57:00.0010625
Clock TAG (PC): 2015:325:10:58:59.9999967
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 342 By: EA

(V) Voltage: 7.93 Temp: 66.1F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1257290 # Sectors: 9177382
Save Time TAG (u): 2015:342:04:36:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:04:37:59.8932149
** ***Drift (based on System tag time):*** -0.1067851
Clock TAG (PC): 2015:342:04:39:59.8921135
Save Housekeeping to CF (HS): [✓]

NOTES:
MELT2

[✓] ORINGS

BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: 10/9/15 By: SPM

LOGGER INFORMATION 13007

Logger Module:	13013
CF Serial Number:	2048-619
CF Size:	16
Number A2D files:	
Expected Data Size:	

BATTERY INFORMATION

Main Power Type:	ALK
Quantity:	48D / 9.72V 10/9/15
Clock Pack Type: ALK	Date checked:
Quantity:	2D / 3.24V
Anticpiated Duration:	60D

Notes:

DEPLOYMENT INFORMATION
Date: By: MRG

Data Logger:	13007
Acoustics:	123
Frame:	F-95
Float:	MG-05
Radio:	NR03
Strobe:	NS20
Geophone:	OBS10-678027
(Hydrophone) / DPG:	OBS13-H106303
Deploy Time:	325:17:01:00
Acoustic Disabled [Y]	

Relocation Survey [Y / N / (NA)]

Rel-LAT:	—
Rel-LON:	—

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: By:

Site ID:	OS143
LAT (Dec°):	36.385280
LON (Dec°):	25.245842
Water Depth (M):	355
Acoustic Unit #:	123

Power Relays:
Main (QM1) [Y] Trillium (QS1) [Y]
Clock (QC1) [Y] Analog (QA1) [Y]
(V) Voltage: 9.11 V Temp: 204.8 F ?
Erase housekeeping data (he1234): [Y]
Mount CF (FV): [Y] A2D Dat Files Found: 4
Current LBA static (L)?: [Y] *{ use multiple (L) commands }*
Enable FPGA Reset Detect (W4,1): [Y]
Save Mission to EEPROM (ZL): [Y] Display Mission Match (X20000): [Y]
Mission: SANTORINI
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [Y]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [Y]
Clock Sync Time (U): 2015:325:16:05:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [Y]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [Y]
System TAG (PS): 2015:325:16:06:00.0817847
Clock TAG (PC): 2015:325:16:06:59.899995
*** ***Start Mission (ZR):*** [Y] ***

RECOVERY INFORMATION
Date: 342 By: MRG

(V) Voltage: 7.75 V Temp: 65.1
FPGA Not Reset (R0): [Y] *{ If reset **DO NOT** Click End Logging }*
LBA Incrementing by # channels (L): [Y] *{ use multiple (L) commands }*
End Logging (T1234): [Y] Last Sector: 10110326 # Sectors: 9030418
Save Time TAG (u): 2015:342:03:19:00 **TFOM:**
** ***System TAG (PS):*** 2015:342:03:19:59.9952847
** ***Drift {based on System tag time}:*** −0.0047153
Clock TAG (PC): 2015:342:03:20:59.9934175
Save Housekeeping to CF (HS): [Y]

NOTES:

revised 01 Sept 2015

✓ OK, gs

BUG-SP ELECTRONICS CHECKLIST

Instrument Type:	BUG-SP

LAB CHECKOUT

Date:	10/7/15 By: SPM

LOGGER INFORMATION SP205

Logger Module:	14Ø16
CF Serial Number:	2015-ØØ5
CF Size:	16 GB
Number A2D files:	
Expected Data Size:	

BATTERY INFORMATION

Main Power Type:	ALK
Quantity:	48D 19.75V
Clock Pack Type:	ALK Date checked: 10/7/15
Quantity:	2D 13.24V
Anticipated Duration:	60D

Notes:

DEPLOYMENT INFORMATION

Date:	By:
Data Logger:	SP205
Acoustics:	113
Frame:	F1Ø2
Float:	OBS10-MG00056
Radio:	OBS10-NRØØ11
Strobe:	OBS10-NSØØ90
Geophone:	OBS10-GP009
Hydrophone (/DPG):	OBS10-HYDØ48
Deploy Time:	325:18:28:00
Acoustic Disabled	[✓]
Relocation Survey [Y / N / NA]	
Rel-LAT:	—
Rel-LON:	—

Cruise ID:	SANTORINI MGL15-17
Network Code:	1E

Site ID:	OS144
LAT (Dec°):	36.371095
LON (Dec°):	25.199867
Water Depth (M):	432
Acoustic Unit #:	113

DEPLOYMENT SETUP

Date: 11/21/15 By: SPM

Power Relays: [✓]

Main (QM1) [✓] Trillium (QS1) [✓]

Clock (QC1) [✓] Analog (QA1) [✓]

(V) Voltage: 9.23V Temp: 76.1°F

Erase housekeeping data (he1234): [✓]

Mount CF (FV): [✓] A2D Dat Files Found: 4

Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}

Enable FPGA Reset Detect (W4,1): [✓]

Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]

Mission: Sant_deploy.txt

Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]

days A2D recording: 55.3 **Sample Rate:** 200

Gains: CH1 64 CH2 64 CH3 64 CH4 16

A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓

Values changing on all channels @ appropriate rate? [✓]

Clock Sync Time (U): 2015:325:17:46:00 **TFOM:** 4

Type "D" To be sure clocks zero out: [✓]

SYS Minutes: Ø CLK Minutes: Ø Diff by ~1: [✓]

System TAG (PS): 2015:325:17:47:59.9999954

Clock TAG (PC): 2015:325:17:50:59.2859195

*** **Start Mission (ZR): [✓]** ***

RECOVERY INFORMATION

Date: 341 By: MKG

(V) Voltage: 7.88V Temp: 65.2°

FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}

LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}

End Logging (T1234): [ ] Last Sector: 9910446 # Sectors: 8830538

Save Time TAG (u): 2015:341:20:15:00 **TFOM:** 4

** **System TAG (PS):** 2015:341:20:15:59.9483099

** **Drift {based on System tag time}:** -0.0516901

Clock TAG (PC): 2015:341:20:16:59.2342539

Save Housekeeping to CF (HS): [✓]

NOTES: MELT2

revised 01 Sept 2015

Initial Difficulty with RS232 comms to logger

SP205 has 6-pin connection on GPS tag Cable this should be A 5 pin - this prevented [✓] OK [illegible] the micro on the Proc board from communicating because it was connected to the 6pin RX/TX slot.

↑GPS tag conn.

Seascan Clock Nylon screws were removed and accidentally not replaced

A2D's on m1, m2, m3 [illegible] initially did not work they require a power cycle of [illegible] [illegible]

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13017
Logger Module: ~~1307~~ 13012
CF Serial Number: 2015-003
CF Size: 16GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: ~~60~~ 48D / 9.75V
Clock Pack Type: ALK Date checked: 10/7/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:
Data Logger: 13017
Acoustics: 44
Frame: F-37
Float: M6-50
Radio: NR-80
Strobe: NS-11
Geophone: OBS10-GP0042
Hydrophone (/ DPG): OBS10-HYD049
Deploy Time: 325:19:17:00
Acoustic Disabled ☑

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.44V Temp: 72.5°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079989 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANT_dep04.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): ~~2015~~ SYNC 325:18:12:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 2 CLK Minutes: 1 Diff by ~1: ✓
System TAG (PS): 2015:325:18:25:00.0000013
Clock TAG (PC): 2015:325:18:27:00.0000035
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 341 By: MRG

(V) Voltage: 8.05V Temp: 65.6°
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 9861254 # Sectors: 8781346
Save Time TAG (u): 2015:341:18:42:00 **TFOM:**
** ***System TAG (PS):*** 2015:341:18:44:00.0178740
** ***Drift {based on System tag time}:*** +0.0178740
Clock TAG (PC): 2015:341:18:45:00.0178887
Save Housekeeping to CF (HS): [✓]

revised 01 Sept 2015

NOTES:
MELT 2 Clock Board had count of 4294967295 min
Board was reprogrammed and code was started from Code Composer
Time Sync = 2015:325:18:19:00
Time Sync = 2015:325:18:22:00
N/A O Rings

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13034
- Logger Module: 14021
- CF Serial Number: 2015-013
- CF Size: 32GB
- Number A2D files: 5
- Expected Data Size:

BATTERY INFORMATION
- Main Power Type: ALK
- Quantity: 48D / 9.72V
- Clock Pack Type: ALK Date checked: 10/7/15
- Quantity: 2D / 3.24V
- Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:
- Data Logger: 13034
- Acoustics: 0027
- Frame: F47
- Float: OBS-10 MG55
- Radio: OBS10-NR0021
- Strobe: OBS10-NS006
- Geophone: OBS10-GP0012
- Hydrophone (/ DPG): OBS10-HYD018
- Deploy Time: 324:12:32:00
- Acoustic Disabled [✓]

Relocation Survey [Y / N / NA]
- Rel-LAT: —
- Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.28V Temp: 74.3°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 5
Current LBA static (L)?: [✓] 1079203 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANT-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:12:08:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 1 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:12:09:59.9993291
Clock TAG (PC): 2015:324:12:12:59.9999981
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 343 By: MRG

(V) Voltage: 7.78 Temp: 66.6
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 11226760 # Sectors: 10147558
Save Time TAG (u): 2015:343:00:17:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:343:00:18:00.0054475
** ***Drift {based on System tag time}:*** 0.0054475
Clock TAG (PC): 2015:343:00:19:00.0061234
Save Housekeeping to CF (HS): [✓]

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NOTES:

[✓] ORings

BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: By:

LOGGER INFORMATION 13022
Logger Module: 13017
CF Serial Number: 2008-521
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.72V
Clock Pack Type: ALK Date checked: 10/7/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 324 By: EA
Data Logger: 13022
Acoustics: 84
Frame: F96
Float: MG27
Radio: NR4
Strobe: NS32
Geophone: OBS 18 GPG4
Hydrophone (/ DPG): OBS 18 HYD73
Deploy Time: 324:15:55:00
Acoustic Disabled [Y]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Power Relays:
Main (QM1) [Y] Trillium (QS1) [Y]
Clock (QC1) [Y] Analog (QA1) [Y]
(V) Voltage: 9.10 Temp: 77.4°F
Erase housekeeping data (he1234): [Y]
Mount CF (FV): [Y] A2D Dat Files Found: 4
Current LBA static (L)?: [Y] 10799999 { use multiple (L) commands }
Enable FPGA Reset Detect (W4,1): [Y]
Save Mission to EEPROM (ZL): [Y] Display Mission Match (X20000): [Y]
Mission: Sant-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [Y]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [Y]
Clock Sync Time (U): 2015:324:15:17:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [Y]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [Y]
System TAG (PS): 2015:324:15:18:59.9981211
Clock TAG (PC): 2015:324:15:20:59.9999939
*** ***Start Mission (ZR):*** [Y] ***

RECOVERY INFORMATION
Date: ~~MAR~~ 342 By: MKG
(V) Voltage: 8.7V Temp: 65.6
FPGA Not Reset (R0): [Y] { If reset **DO NOT** Click End Logging }
LBA Incrementing by # channels (L): [Y] { use multiple (L) commands }
End Logging (T1234): [Y] Last Sector: 11116346 # Sectors: 10036438
Save Time TAG (u): 2015:342:22:32:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:22:32:59.9844224
** ***Drift {based on System tag time}:*** −0.0155776
Clock TAG (PC): 2015:342:22:33:59.9863212
Save Housekeeping to CF (HS): [Y]

revised 01 Sept 2015

NOTES: Clock Board was swapped with spare board

oRings [NA]

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: SP-BUG

LAB CHECKOUT
Date: 10/5/15 By: SPM

LOGGER INFORMATION 13025
Logger Module: 14087
CF Serial Number: 2015-020
CF Size: 32GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.77V
Clock Pack Type: ALK Date checked: 10/5/15
Quantity: ~~2~~ 2D / 3.23V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 11/20 By: MKG
Data Logger: 13025
Acoustics: 32
Frame: F-50
Float: MG-04
Radio: NR-06
Strobe: NS-53
Geophone: OBS10-GP0046
Hydrophone / DPG: OBS10-HYD031
Deploy Time: 324:22:48:00
Acoustic Disabled [ ] ?

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Site ID: 05157
LAT (Dec°): 36.486883
LON (Dec°): 25.568682
Water Depth (M): 373
Acoustic Unit #: 32

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.29V Temp: 75.2F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 5
Current LBA static (L)?: [✓] 1079203 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): ✓
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:21:01:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: ✓
System TAG (PS): 2015:324:21:02:59.9985041
Clock TAG (PC): 2015:324:21:04:59.9999996
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 295:342:15:54 By: SPM
(V) Voltage: 7.85V Temp: 64.8F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 10833944 # Sectors: 9754742
Save Time TAG (u): 295:342:15:57:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:15:57:59.9932438
** ***Drift {based on System tag time}:*** -0.0067562
Clock TAG (PC): 2015:342:15:59:59.9947497
Save Housekeeping to CF (HS): [✓]

revised 01 Sept 2015

NOTES:

[✓] ORings

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: SP-BUG

LAB CHECKOUT
Date: 10/5/15 By: SPM

LOGGER INFORMATION 13002
- Logger Module: 13036
- CF Serial Number: 2015-006
- CF Size: 16
- Number A2D files:
- Expected Data Size:

BATTERY INFORMATION
- Main Power Type: ALK/Energizer
- Quantity: 48D / 9.75V
- Clock Pack Type: ~~2D~~ ALK Date checked:
- Quantity: 2D / 3.24V
- Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 11/20 By: ML6
- Data Logger: 13002
- Acoustics: 39
- Frame: F-46
- Float: M6039
- Radio: NR84
- Strobe: NS44
- Geophone: OBS10-6P0020
- Hydrophone / DPG: OBS10-HYD036
- Deploy Time: 325:00:33:00
- Acoustic Disabled [ ] 7 6

Relocation Survey [Y / N / NA]
- Rel-LAT: —
- Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21 By: MR6

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]

(V) Voltage: 9.19V Temp: 74.3°F

Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [ ]
days A2D recording: 55.3 **Sample Rate:**
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:22:34:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:22:35:00.00187666
Clock TAG (PC): 2015:324:22:36:00.000001 8
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 295:342:14:21 By: SPM

(V) Voltage: 7.78V Temp: 64.8°F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1073918 # Sectors: 968404
Save Time TAG (u): 2015:342:14:24:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:14:24:59.911949 2
** ***Drift (based on System tag time):*** -0.088050 8
Clock TAG (PC): 2015:342:14:26:59.910 0 254
Save Housekeeping to CF (HS): [✓]

NOTES:

revised 01 Sept 2015

☑ ORings
1 seal screw on back side was not able to be removed (larger seal screw)

BUG- ELECTRONICS CHECKLIST

Instrument Type: SP LP ABA FLIP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13036
Logger Module: 14011
CF Serial Number: 2008-652
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.75V
Clock Pack Type: ALK Date checked: 10/7/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:

Data Logger: 13036
Acoustics: 125
Frame: F104
Float: MG12
Radio: NR52
Strobe: NS29
Geophone: OBS10-GP58
Hydrophone (/DPG): OBS10 HYP37
Deploy Time: 325:07:02:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.32V Temp: 32°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079999 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SAnt-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:03:51:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 2 CLK Minutes: 2 Diff by ~1: [✓]
System TAG (PS): 2015:325:03:55:00.0006653
Clock TAG (PC): 2015:325:03:57:59.99999946
*** ***Start Mission (ZR):*** M ***

RECOVERY INFORMATION
Date: 342 By: EA

(V) Voltage: 7.93 Temp: 66.6
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1052758 # Sectors: 944850
Save Time TAG (u): 2015:342:09:28:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:09:29:00.0111364
** ***Drift (based on System tag time):*** 0.0111364
Clock TAG (PC): 2015:342:09:30:00.0104722
Save Housekeeping to CF (HS): [✓]

revised 01 Sept 2015

NOTES:
MELT2 Clock Board MSP430 WAS Reprogrammed at SIO

Copies from original sheet: Swapped SEASCAN clock for S/N 1156 which is A NEW SEASCAN unit. The previous unit S/N 799 had CORROSION AROUND U3 AND metal CAN

[✓] O-RINGS

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/9/15 By: SPM

LOGGER INFORMATION 13013
Logger Module: 13026
CF Serial Number: 2008-536
CF Size: 16
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 480 / 9.76V 10/9/15
Clock Pack Type: ALK Date checked:
Quantity: 20 / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: EA

Data Logger:	13013
Acoustics:	62
Frame:	F24
Float:	MG 245
Radio:	NR38
Strobe:	NS78
Geophone:	OBS10 GP3
Hydrophone (/ DPG):	OBS10 HY267
Deploy Time:	325:09:29:00
Acoustic Disabled [Y]	

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-~~12~~ 21
Network Code: 1E

DEPLOYMENT SETUP
Date: 325 By: EA

Power Relays:
Main (QM1) [Y] Trillium (QS1) [Y]
Clock (QC1) [Y] Analog (QA1) [Y]
(V) Voltage: 9.30 Temp: 74.3
Erase housekeeping data (he1234): [Y]
Mount CF (FV): [Y] A2D Dat Files Found: 4
Current LBA static (L)?: [Y] *{ use multiple (L) commands }*
Enable FPGA Reset Detect (W4,1): [Y]
Save Mission to EEPROM (ZL): [Y] Display Mission Match (X20000): Y
Mission: SANTORINI
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [Y]
days A2D recording: 55.3 ***Sample Rate:*** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): Y (M2): Y (M3): Y (M4): Y
Values changing on all channels @ appropriate rate? [Y]
Clock Sync Time (U): 2015:325:05:53:00 ***TFOM:*** 4
Type "D" To be sure clocks zero out: [Y]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [Y]
System TAG (PS): 2015:325:05:55:00.0006516
Clock TAG (PC): 2015:325:05:57:00.000068
*** ***Start Mission (ZR): [Y]*** ***

RECOVERY INFORMATION
Date: 342 By: EA

(V) Voltage: 7.92 Temp: 69.2
FPGA Not Reset (R0): [Y] *{ If reset **DO NOT** Click End Logging }*
LBA Incrementing by # channels (L): [Y] *{ use multiple (L) commands }*
End Logging (T1234): [Y] Last Sector: 1042698 # Sectors: 9346560
Save Time TAG (u): 2015:342:06:57:00 ***TFOM:*** 4
** ***System TAG (PS):*** 2015:342:06:58:00.0617600
** ***Drift {based on System tag time}:*** 0.0617600
Clock TAG (PC): 2015:342:06:57:00.061217
Save Housekeeping to CF (HS): [Y]

Site ID: OS161 ✓
LAT (Dec°): 36.392462
LON (Dec°): 25.315425
Water Depth (M): 23
Acoustic Unit #: 62

NOTES: MELT 2

revised 01 Sept 2015

Logger 13013 was missing seal screw on back endcap. ✓ (ORing)

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/9/15 By: SPM

LOGGER INFORMATION #13043
Logger Module: 13018
CF Serial Number: 295-008
CF Size: 32GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.77V 10/9/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:

Data Logger:	13043
Acoustics:	74
Frame:	53
Float:	MG13
Radio:	NR40
Strobe:	N588
Geophone:	OBS10-6P15
Hydrophone (/ DPG):	OBS10-HYD74
Deploy Time:	325:16:25:00
Acoustic Disabled [✓]	

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Site ID: OS163
LAT (Dec°): 36.367605
LON (Dec°): 25.254700
Water Depth (M): 359
Acoustic Unit #: 74

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.27V Temp: 74.5°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 5
Current LBA static (L)?: [✓] 10799203 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANT_deplor.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): ~~2015:325:15:25:00~~ 2015:325:15:30:00 TFOM: 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 1 CLK Minutes: 2 Diff by ~1: [✓]
System TAG (PS): 2015:325:15:31:59.9999984
Clock TAG (PC): 2015:325:15:34:0000008
*** **Start Mission (ZR):** [✓] ***

RECOVERY INFORMATION
Date: 342 By: MRG

(V) Voltage: 7.88V Temp: 65.3
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 10107316 # Sectors: 9028114
Save Time TAG (u): 2015:342:02:38:00 TFOM: 4
** **System TAG (PS):** 2015:342:02:39:00.0139470
** **Drift (based on System tag time):** 2015:342:02:41:00.0139559
Clock TAG (PC): + 0.0139470 ⇐ PS DRIFT
Save Housekeeping to CF (HS): [✓]

NOTES: revised 01 Sept 2015

MEGZ TimeSync was done twice because I was concerned about results of 'D' command.
TimeSync = 2015:325:15:30:00
D Results = 1 sys min 1 clk bad mins (MA OKing)

Switch

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/6/15 By: SPM

LOGGER INFORMATION 13031
Logger Module: 13016
CF Serial Number: 2008-545
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.78V 10/6/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.23V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: EA
Data Logger: 13031
Acoustics: 78
Frame: F34
Float: MG14
Radio: NR71
Strobe: NJ18
Geophone: OBS15-GP2
Hydrophone (/DPG): OBS10-HYD56
Deploy Time: 325:15:07:00
Acoustic Disabled [✓]

Relocation Survey [Y/N/NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Site ID: OS165
LAT (Dec°): 36.340783
LON (Dec°): 25.189878
Water Depth (M): 472
Acoustic Unit #: 78

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.36V Temp: 72.5F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANT-deplor.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [ ]
Clock Sync Time (U): ~~2015:325:14:39:00~~ SKEWED **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 1 CLK Minutes: 1 Diff by ~1: [✓]
System TAG (PS): 2015:325:14:54:00.0003581
Clock TAG (PC): 2015:325:14:54:59.9999975
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 341 By: MK6
(V) Voltage: 7.93V Temp: 66.°
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 9959470 # Sectors: 8879562
Save Time TAG (u): 2015:341:19:30.00 **TFOM:**
** ***System TAG (PS):*** 2015:341:19:30:59.9649675
** ***Drift (based on System tag time):*** 2015:341:19:31:59.9646269
Clock TAG (PC): -0.0350325 = PS DRIFT
Save Housekeeping to CF (HS): [✓]

revised 01 Sept 2015

NOTES: Clock Board has issue with 4294967295 320 mins
I reprogrammed to clock board and this appeared to resolve the issue ✓ ORINGS
~~GPS~~ TimeSync = U2015:325:14:52:00
-Check threads on front SS11 screws after deployment

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 1300 4
Logger Module: 1402
CF Serial Number: 2015-017
CF Size: 32GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 19.72V 10/7/15
Clock Pack Type: ALK Date checked
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: By:
Data Logger: 1300 4
Acoustics: 34
Frame: OBS10-F54
Float: OBS10-MG[illegible]18
Radio: OBS10-NR[illegible]48
Strobe: NS26
Geophone: OBS10-GP0051
Hydrophone (/ DPG): N/A
Deploy Time: 325:20:35:00
Acoustic Disabled [Y]

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Site ID: OS166
LAT (Dec°): 36.327512
LON (Dec°): 25.158807
Water Depth (M): 499
Acoustic Unit #: 34

Power Relays:
Main (QM1) [Y] Trillium (QS1) [Y]
Clock (QC1) [Y] Analog (QA1) [Y]
(V) Voltage: 9.30V Temp: 32°F
Erase housekeeping data (he1234) [Y]
Mount CF (FV): [Y] A2D Dat Files Found: 5
Current LBA static (L)?: [Y] 1079203 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [Y]
Save Mission to EEPROM (ZL): [Y] Display Mission Match (X20000): [Y]
Mission: Sant-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [Y]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [Y]
Clock Sync Time (U): 2015:325:19:08:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [Y]
SYS Minutes: 2 CLK Minutes: 1 Diff by ~1: [N]
System TAG (PS): 2015:325:19:11:00.0000026
Clock TAG (PC): 2015:325:19:12:59.9999950
*** ***Start Mission (ZR):*** [Y] ***

RECOVERY INFORMATION
Date: 334:22:30 By: SPM

(V) Voltage: 9.65V Temp: 64.8°F
FPGA Not Reset (R0): [Y] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [Y] {use multiple (L) commands}
End Logging (T1234): [Y] Last Sector: 1127748 # Sectors 97848546
Save Time TAG (u): 2015:343:22:32:00 **TFOM:** 4
****System TAG (PS):** 2015:343:22:32:59.7815098
****Drift (based on System tag time)** -0.0184902
Clock TAG (PC): 2015:343:22:33:59.9815125
Save Housekeeping to CF (HS): [Y]

NOTES: MELT on 2

revised 01 Sept 2015

Dorings

BUG- ELECTRONICS CHECKLIST

Instrument Type: (SP) LP ABA FLIP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13026
Logger Module: 14087
CF Serial Number: 2015-018
CF Size: 64
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.72V
Clock Pack Type: ALK Date checked: 9/7/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION

Date: By:
Data Logger: 13026
Acoustics: 111
Frame: F99
Float: M651
Radio: NS39
Strobe: NS21
Geophone: OBS10GP68
Hydrophone (/ DPG): OBS10HYD59
Deploy Time: 324:11:46:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP

Date: 11/20/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.07V Temp: 32°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 5
Current LBA static (L)?: [✓] 1079243 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:11:27:60 ***TFOM:*** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:11:29:00.0018243
Clock TAG (PC): 2015:324:11:30:53.5971809
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION

Date: 343 By: MRG
(V) Voltage: 7.68 Temp: 66.4
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 1126252 # Sectors: 1185010
Save Time TAG (u): 2015:343:01:13:00 ***TFOM:*** 4
** ***System TAG (PS):*** 2015:343:01:14:21.7013011
** ***Drift (based on System tag time):*** 21.7013011
Clock TAG (PC): 2015:343:01:16:02.6644793
Save Housekeeping to CF (HS): [✓]

NOTES: MELTZ
☆ PS - Drift +21. sec
PC - Drift + 2 sec

[✓] O-RINGS

☆ USE PC Drift 2.6644793

revised 01 Sept 2015

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG – SP

LAB CHECKOUT
Date: 10/6/15 By: SPM

LOGGER INFORMATION 13018
Logger Module: 14010
CF Serial Number: 2008-510
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.07V 10/6/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 324 By: MB
Data Logger: 13018
Acoustics: 41
Frame: F32
Float: MG19
Radio: NR0043
Strobe: ~~OK 2009-016 #3316~~
Geophone: OBS10-GP0057
Hydrophone / DPG: OBS10-HYD0058
Deploy Time: 324:16:28:~~00~~
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: By:

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.14 Temp: 32. F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079969 *{use multiple (L) commands}*
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Santo_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:16:05:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:16:06:59.9987232
Clock TAG (PC): 2015:324:16:09:00.000037
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 342:21:34 By: SPM
(V) Voltage: 7.62V Temp: 65.5°F
FPGA Not Reset (R0): [✓] *{If reset **DO NOT** Click End Logging}*
LBA Incrementing by # channels (L): [✓] *{use multiple (L) commands}*
End Logging (T1234): [✓] Last Sector: 1107686 # Sectors: 996878
Save Time TAG (u): 2015:342:21:36:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:21:37:00.0302689
** ***Drift {based on System tag time}:*** 0.0302689
Clock TAG (PC): 2015:342:21:39:00.0315757
Save Housekeeping to CF (HS): [✓]

NOTES: *revised 01 Sept 2015*

Copied from above with better penmanship { PS = 2015:342:21:37:00.0302689

[✓] ORings

Batteries may not have been disconnected on recovery?

BUG- ELECTRONICS CHECKLIST

Instrument Type: SP LP ABA FLIP

LAB CHECKOUT
Date: 10/6/15 By: SPM

LOGGER INFORMATION 13019
Logger Module: 14015
CF Serial Number: 2015-002
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.72V
Clock Pack Type: ALK Date checked: 10/6/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION

Date: By: MG

Data Logger:	13019
Acoustics:	85
Frame:	F-27
Float:	MG-97
Radio:	NR 45
Strobe:	NS03
Geophone:	OBS10-GP0024
Hydrophone / DPG:	2600-006
Deploy Time:	324:23:21:00
Acoustic Disabled [ ]	? 0
Relocation Survey [Y / N / NA]	
Rel-LAT:	—
Rel-LON:	—

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/20/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.21V Temp: 77.9°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:324:21:59:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:324:22:01:00.0015241
Clock TAG (PC): N/A
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION

Date: 2015.342:15:09 By: SPM

(V) Voltage: 7.86V Temp: 64.2°F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 10792838 # Sectors: 9712830
Save Time TAG (u): 2015:342:15:08:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:15:09:00.0217613
** ***Drift (based on System tag time):*** 0.0217613
Clock TAG (PC): 2015:342: N/A
Save Housekeeping to CF (HS): [✓]

NOTES: PC did NOT output pulse
This was tried twice with a full power cycle but this did not have any effect

[✓] O-RINGS

revised 01 Sept 2015

Site ID: OS 177
LAT (Dec°): 36.455677
LON (Dec°): 25.554835
Water Depth (M): 381
Acoustic Unit #: 85

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/7/15 By: SPM

LOGGER INFORMATION 13027
Logger Module: 14017
CF Serial Number: 2008-638
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.22V 10/7/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.23V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 11/20 By: MG
Data Logger: 13027
Acoustics: 72
Frame: F-26
Float: MG- N/A
Radio: NR-20
Strobe: NS-12
Geophone: GBS10-6P023
Hydrophone (/ DPG): 2000-0029
Deploy Time: 325:01:01:00
Acoustic Disabled [Y]

Relocation Survey [Y / N / NA]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [Y] Trillium (QS1) [Y]
Clock (QC1) [Y] Analog (QA1) [Y]
(V) Voltage: 9.34 Temp: 73.4°F
Erase housekeeping data (he1234): [Y]
Mount CF (FV): [Y] A2D Dat Files Found: 4
Current LBA static (L)?: [Y] 1079989 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [Y]
Save Mission to EEPROM (ZL): [Y] Display Mission Match (X20000): [Y]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [Y]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [Y]
Clock Sync Time (U): 2015:324:23:22:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [Y]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [Y]
System TAG (PS): 2015:324:23:23:59.9991421
Clock TAG (PC): 2015:324:23:25:59.9999969
*** ***Start Mission (ZR):*** [Y] ***

RECOVERY INFORMATION
Date: 245:342:13:45 By: SPM
(V) Voltage: 7.92V Temp: 65.5
FPGA Not Reset (R0): [Y] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [Y] {use multiple (L) commands}
End Logging (T1234): [Y] Last Sector: 1073862 # Sectors: 9651954
Save Time TAG (u): 2015:342:13:47:00 **TFOM:** 4
System TAG (PS): 2015:342:13:47:59.9893191
Drift (based on System tag time): -0.0106809
Clock TAG (PC): 2015:342:13:49:59.9901852
Save Housekeeping to CF (HS): [Y]

Site ID: OS178
LAT (Dec°): 36.433690
LON (Dec°): 25.501215
Water Depth (M): 287
Acoustic Unit #: 72

revised 01 Sept 2015

NOTES:
MELT 2 3pin, Dummy MISSING ON RECOVERY
tilt/sync

[Y] O Ring

BUG- ELECTRONICS CHECKLIST

Instrument Type: SP LP ABA FLIP

LAB CHECKOUT
Date: 10/9/15 By: SPM

LOGGER INFORMATION 13038
Logger Module: 13031
CF Serial Number: 2015-007
CF Size: 32 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.49V
Clock Pack Type: Date checked:
Quantity: 2D / 3.232V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION

Date: By:
Data Logger: 13038
Acoustics: 96
Frame: F113
Float: MG99
Radio: NRG5
Strobe: NS788
Geophone: OBS18 GP74
Hydrophone (/ DPG): OBS18 HYD34
Deploy Time: 325:07:32:00
Acoustic Disabled [✓]

Relocation Survey [Y / N (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.15V Temp: 75.6°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 5
Current LBA static (L)?: [✓] 1079203 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant_deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 60.9 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:04:30:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:325:04:32:00.00000076
Clock TAG (PC): 2015:325:04:34:00.00000053
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION

Date: 342 By: EA
(V) Voltage: 7185 Temp: 66.4 F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 10494516 # Sectors: 9415314
Save Time TAG (u): 2015:342:08:34:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:08:35:00.0145259
** ***Drift (based on System tag time):*** 0.0143259
Clock TAG (PC): 2015:342:08:36:00.0143400
Save Housekeeping to CF (HS): [✓]

NOTES: MELT 2

revised 01 Sept 2015

N/A O-RINGS

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: BUG-SP

LAB CHECKOUT
Date: 10/8/15 By: SPM

LOGGER INFORMATION SP204
Logger Module: 148099
CF Serial Number: 2008-631
CF Size: 16 GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D / 9.72V 10/8/15
Clock Pack Type: ALK Date checked:
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: TEA

Data Logger: SP204
Acoustics: 108
Frame: F39
Float: MG 25
Radio: NR 14
Strobe: NS 83
Geophone: OBS10 GP 49
Hydrophone (/ DPG): 81
Deploy Time: 325:12:45:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]
Rel-LAT: —
Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Site ID: OS181
LAT (Dec°): 36.351553
LON (Dec°): 25.289055
Water Depth (M): 379
Acoustic Unit #: 108

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.30V Temp: 71.7°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓ 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [ ]
Mission: SANT_deploy.TXT
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:11:31:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 1 CLK Minutes: 1 Diff by ~1: [✓]
System TAG (PS): 2015:325:11:32:59.9993029
Clock TAG (PC): 2015:325:11:37:59.9999943
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 342 By: MRB

(V) Voltage: 7.92V Temp: 65.2
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector 10171990 # Sectors: 9092082
Save Time TAG (u): 2015:342:01:29:00 **TFOM:**
** ***System TAG (PS):*** 2015:342:01:29:59.9904646
** ***Drift {based on System tag time}:*** −0.0095354
Clock TAG (PC): 2015:342:01:31:59.9911693
Save Housekeeping to CF (HS): [✓]

revised 01 Sept 2015

NOTES:
MELT 2

* 4-PIN VSK HYD ON Logger WAS Loose.

N/A
N/A ORing

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: SP-BUG

LAB CHECKOUT
Date: 10/5/15 By: SPM

LOGGER INFORMATION SP207
- Logger Module: 13033
- CF Serial Number: 2008-663
- CF Size: 16GB
- Number A2D files:
- Expected Data Size:

BATTERY INFORMATION
- Main Power Type: ALK / ENERGIZER
- Quantity: 48D / 9.72V
- Clock Pack Type: ALK Date checked: 10/5/15
- Quantity: 2D / 3.24V
- Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: EA
- Data Logger: SP207
- Acoustics: 28
- Frame: F118
- Float: M6249
- Radio: NR27
- Strobe: NS22
- Geophone: OBS13-GP418
- Hydrophone (/ DPG): OBS10-HP466
- Deploy Time: 325:13:18:00
- Acoustic Disabled [✓]

Relocation Survey [Y / N / NA]
- Rel-LAT: —
- Rel-LON: —

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Site ID: OS182
LAT (Dec°): 36.379688
LON (Dec°): 25.256287
Water Depth (M): 428
Acoustic Unit #: 28

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.33V Temp: 75.8°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] 1079909 A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: SANT-deploy.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [ ]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:12:31:00 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:325:12:32:59.9983480
Clock TAG (PC): 2015:325:12:34:59.9999935
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 342 By: MRG

(V) Voltage: 8.14 V Temp: 64.4
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 10134886 # Sectors: 9054978
Save Time TAG (u): 2015:342:00:49:00 **TFOM:** 4
** ***System TAG (PS):*** 2015:342:00:49:59.9570397
** ***Drift (based on System tag time):*** -0.0429603
Clock TAG (PC): 2015:342:00:50:59.9587104
Save Housekeeping to CF (HS): [ ]

NOTES: revised 01 Sept 2015

MELT2 Issue with M3 and M4 - power cycled multiple times And reset all logger cables. This resolved the issue. The problem was first 2 chans of M3 and M4 results: M3 = AØ, M4 = BØ. This issue was resolved. [NA] O Rings

Burn #2 did Not Release. Two Burn Attempts

BUG-SP ELECTRONICS CHECKLIST

Instrument Type: SP-B46

LAB CHECKOUT
Date: 10/5/15 By: SPM

LOGGER INFORMATION SP208
Logger Module: 1304
CF Serial Number: 2008-639
CF Size: 16GB
Number A2D files:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALKaline/Energizer
Quantity: 48D / 9.76V
Clock Pack Type: Alk Date checked: 10/5/15
Quantity: 2D / 3.24V
Anticpiated Duration: 60D

Notes:

DEPLOYMENT INFORMATION
Date: 325 By: EA
Data Logger: SP208
Acoustics: 88
Frame: F68
Float: M618
Radio: OBS10-NR055
Strobe: MS23
Geophone: OBS10-GP32
Hydrophone (/ DPG): OBS10-HYD64
Deploy Time: 325:14:88:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / NA]
Rel-LAT:
Rel-LON:

Cruise ID: SANTORINI MGL1504
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15 By: SPM

Power Relays:
Main (QM1) [✓] Trillium (QS1) [✓]
Clock (QC1) [✓] Analog (QA1) [✓]
(V) Voltage: 9.39V Temp: 72.5°F
Erase housekeeping data (he1234): [✓]
Mount CF (FV): [✓] A2D Dat Files Found: 4
Current LBA static (L)?: [✓] 1079909 {use multiple (L) commands}
Enable FPGA Reset Detect (W4,1): [✓]
Save Mission to EEPROM (ZL): [✓] Display Mission Match (X20000): [✓]
Mission: Sant-deplo.txt
Initialize Sample Rate and Gain (e.g. A<SR>,G1,G2,G3,G4): [✓]
days A2D recording: 55.3 **Sample Rate:** 200
Gains: CH1 64 CH2 64 CH3 64 CH4 16
A2D Check {1st two char.}: (M1): ✓ (M2): ✓ (M3): ✓ (M4): ✓
Values changing on all channels @ appropriate rate? [✓]
Clock Sync Time (U): 2015:325:13:13:60 **TFOM:** 4
Type "D" To be sure clocks zero out: [✓]
SYS Minutes: 0 CLK Minutes: 0 Diff by ~1: [✓]
System TAG (PS): 2015:325:13:14:00.0000006 (see below)
Clock TAG (PC): 2015:325:13:18:59.9999967
*** ***Start Mission (ZR):*** [✓] ***

RECOVERY INFORMATION
Date: 340 By: MKB
(V) Voltage: 7.95V Temp: 65.8 F
FPGA Not Reset (R0): [✓] {If reset **DO NOT** Click End Logging}
LBA Incrementing by # channels (L): [✓] {use multiple (L) commands}
End Logging (T1234): [✓] Last Sector: 9940914 # Sectors: 8861006
Save Time TAG (u): 2015:341:17:03:00 **TFOM:** 4
**System TAG (PS): 2015:341:17:04:00.0051769
**Drift {based on System tag time}: 0.0051769
Clock TAG (PC): 2015:341:17:06:00.0051865
Save Housekeeping to CF (HS): [✓]

NOTES: PS was accidentally entered twice

revised 01 Sept 2015

MELT2 PS = 2015:325:13:16:00.0000014 O-Rings changed ✓

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP-4x4

LAB CHECKOUT
Date: 9/24/15 By: SPM

LOGGER INFORMATION SP-095
CPU: 0108098
Seascan: S/N 1950
A2D: A618 Jumpers Check: [✓]
Clock: ———
Power: 5107085
Backplane: ———
CF S/N (A): 2408-68 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 326 By: FA

Data Logger: SP95
Acoustics: 47
Frame: F97
Float: M641
Radio: NR89 On: [✓]
Strobe: NS27 On: [✓]
Geophone (/ Trillium): OBS18 GP17
Hydrophone / DPG: OBS18 HYD72
Deploy Time (GMT): 326:13:32:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS128
LAT (Dec°): 36.784950
LON (Dec°): 25.164195
Water Depth (M): 462
Acoustic Unit #: 47

Software Version: V1.0.4J

Sync Time With GPS: 2015:326:12:46:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:13:46:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP95

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 341 By: MRG

OBS Time TAG (1st):
2015:341:21:06:00.0143718

OBS Time TAG (2nd):
2015:341:21:07:00.0143726
OBS Time OK?: [✓] TFOM: 4

Drift:
+ 0.0143726

File Name:
OS128.OBS

Relocation LAT: Relocation LON:

NOTES:

revised 01 Sept 2015

[✓] OK (JJ)

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP4x4

LAB CHECKOUT
Date: 9/24/15 By: [signature]

LOGGER INFORMATION SP-085
CPU: A005
Seascan: 1646
A2D: 09 Jumpers Check: ✓
Clock: —
Power: A009
Backplane: —
CF S/N (A): 2008-541 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 326 By: FA
Data Logger: SP85
Acoustics: 87
Frame: F66
Float: MG241
Radio: NR22 On: ✓
Strobe: NS58 On: ✓
Geophone (/ Trillium): OBS18 GP66
Hydrophone / DPG: OBS18 HYD3
Deploy Time (GMT): 326:15:27:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM
Software Version: V1.0.4K
Sync Time With GPS: 2015:326:14:10:00
OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:326:15:10:00
# of Channels: 4 *Sample Rate:* 200
CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16
CONFIG SELECTION ↓ N
Header Comment: SP85
Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
2015/342 11:01
Date: By: SPM
OBS Time TAG (1st): 2015:342:11:01:59.9435485
OBS Time TAG (2nd): 2015:342:11:02:59.9435463
OBS Time OK?: [ ] TFOM: 4
Drift: -0.0564537
File Name: OS114.OBS

Site ID: OS114 ✓
LAT (Dec°): 36.492528
LON (Dec°): 25.343663
Water Depth (M): 142
Acoustic Unit #: 87

Relocation LAT: Relocation LON:

revised 01 Sept 2015

NOTES:

* Replaced BATT in Acoustic 87

☑ OK, HJD

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/22/15 By: SPM

LOGGER INFORMATION 0038
CPU: A004
Seascan: S/N 849
A2D: 010803 Jumpers Check: [✓]
Clock:
Power: A015
Backplane:
CF S/N (A): ~~2008~~ 635 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 11/22/15 By: SPm

Data Logger: SP38
Acoustics: 24
Frame: 2000-009
Float: OBS10-MG40
Radio: NR52 On: [✓]
Strobe: NS72 On: [✓]
Geophone (/ Trillium): OBS10-GP0054
Hydrophone / DPG: OBS10-HYP040
Deploy Time (GMT): 326:19:07:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS101
LAT (Dec°): 36.633363
LON (Dec°): 25.542478
Water Depth (M): 458
Acoustic Unit #: 24

Software Version: V1.0.4k

Sync Time With GPS:
2015:326:17:54:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:18:54:00

# of Channels: 4 ***Sample Rate:*** 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP38

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 343:11:16 By: SPM

OBS Time TAG (1st):
2015:343:11:17:59.9279535

OBS Time TAG (2nd):
2015:343:11:18:59.9279510

OBS Time OK?: [✓] TFOM: 4

Drift: -0.072049

File Name: OS101.OBS

Relocation LAT: Relocation LON:

NOTES:

revised 01 Sept 2015

✓ OKINJS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/22 By:

LOGGER INFORMATION 0073
CPU: 6105032
Seascan: 792
A2D: 0105078 Jumpers Check: ✓
Clock: ———
Power: 5107044
Backplane: ———
CF S/N (A): ~~SAN64~~ Size: ~~64~~
CF S/N (B): ~~2[illegible]B-035~~ Size: 16GB
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:

Data Logger: 73
Acoustics: 148
Frame: F109
Float: M657
Radio: NR66 On: [✓]
Strobe: OBS10-N330 On: [✓]
Geophone (/ Trillium): ~~OBS10-GP0024~~
Hydrophone / DPG: ~~OBS10~~ - HYD035
Deploy Time (GMT): 326:18:24:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS10 2
LAT (Dec°): 36.684713
LON (Dec°): 25.475523
Water Depth (M): 423
Acoustic Unit #: 148

Software Version: V1.0.4K

Sync Time With GPS: 2015:326:17:08:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:18:08:00

# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP73

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 343.12:10 By: SPM

OBS Time TAG (1st): 2015:343:12:10:00.083546
OBS Time TAG (2nd): 2015:343:12:10:00.083550
OBS Time OK?: [ ] TFOM: 4

Drift: 0.083501

File Name: OS102.OBS

Relocation LAT: Relocation LON:

NOTES:

revised 01 Sept 2015

Comms were a bit glitchy on Recovery.
This was NOT caused by the external cabling or Keyspan Dongle
We had to power cycle the logger (main batt on [✓]) to get comms to work
PPM output was good as well as depth.

N/A THA OKing

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/22/15 By: SPM

LOGGER INFORMATION S/N 0017
Logger S/N: S/N 0017
CPU: A017
Seascan: S/N 467
A2D: 0108083 Jumpers Check: [✓]
Clock: ———
Power: A028
Backplane: ———
CF S/N (A): 2008-688 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION ~~ALK~~
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:
Data Logger: SP 17
Acoustics: 55
Frame: F-116
Float: M6-07
Radio: NR-44 On: [ ]
Strobe: N5-55 On: [ ]
Geophone (/ Trillium): OBSIO-GP056
Hydrophone / DPG: OBSIO-HYD022
Deploy Time (GMT): 326:17:09:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / NA]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS112
LAT (Dec°): 36.524900
LON (Dec°): 25.442853
Water Depth (M): 342
Acoustic Unit #: 55

Software Version: V1.0.4K

Sync Time With GPS: 2015:326:16:37:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:17:37:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP 17

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 343:13:55 By: SPM

OBS Time TAG (1st): 2015:343:13:35:59.9150799
OBS Time TAG (2nd): 2015:343:13:36:59.9150770
OBS Time OK?: [✓] TFOM: 4

Drift: -0.0849230

Raw File Name: OS112.GBS

Survey File Name: Ø

Relocation LAT: *Relocation LON:*

NOTES:

revised 02 Sept 2015

Add'l SOHAS TAG PULSE @ 5 MIN BURN
{2015:343:13:37:59.9150740

[✓] O-RINGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP-4x4

LAB CHECKOUT
Date: 9/23/15 By: SPM

LOGGER INFORMATION ~~0020~~

CPU: A0
Seascan: S/N 1645
A2D: ~~0108005~~ Jumpers Check: [✓]
Clock:
Power: A023
Backplane:
CF S/N (A): 2015-024 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:

Data Logger: SP20
Acoustics: 80
Frame: 115
Float: MG47
Radio: 2002-68 On: [✓]
Strobe: NS05 On: [✓]
Geophone (/ Trillium): OBS10-6P0053
Hydrophone / DPG:
Deploy Time (GMT): 326:16:37:~~00~~
Acoustic Disabled [✓]
Relocation Survey [Y / N / ~~NA~~]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS106 ✓
LAT (Dec°): 36.540450
LON (Dec°): 25.395868
Water Depth (M): 352
Acoustic Unit #: ~~80~~

Software Version: V1.04K
Sync Time With GPS: 2015:326:15:59:00
OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:326:16:59:00
# of Channels: 4 *Sample Rate:* 200
CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16
CONFIG SELECTION ↓ N
Header Comment: SP20
Start Experiment: [✓] TAG OK?: [ ]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 343:14:25 By: SPM

OBS Time TAG (1st): 2015:343:14:26:00.2248694
OBS Time TAG (2nd): 2015:343:14:27:00.2248784
OBS Time OK?: [✓] TFOM: 4
Drift: 0.2248784
File Name: 05106.OBS

Relocation LAT:
Relocation LON:

revised 01 Sept 2015

NOTES:

3rd PS:)
2015:343:14:28:00.2248877

[✓] OK, JGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP - 4x4

LAB CHECKOUT
Date: 9/23/15 By: SPM

LOGGER INFORMATION SP-093
CPU: A019
Seascan: S/N 465
A2D: 01081 Jumpers Check: [✓]
Clock:
Power: 5107009
Backplane:
CF S/N (A): 2015-025 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48 Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2 Voltage: 3.24V
Estimated Duration: 60

DEPLOYMENT INFORMATION
Date: 326 By: EA

Data Logger: SP93
Acoustics: 77
Frame: F57
Float: MG247
Radio: NR49 On: [✓]
Strobe: NS61 On: [✓]
Geophone (/ Trillium): OBS15 GP9
Hydrophone / DPG: OBS13 HYD304
Deploy Time (GMT): 326:15:58:~~00~~
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Software Version: V1.0.4K

Sync Time With GPS: 2015:326:15:02:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:16:02:00

# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP93

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 343 16:09 By: SPM

OBS Time TAG (1st): 2015:343:16:11:59.9719411

OBS Time TAG (2nd): 2015:343:16:12:59.9719406

OBS Time OK?: [✓] TFOM: 4

Drift: -0.0280594

File Name: 05107.OBS

Site ID: 05107
LAT (Dec°): 36.514792
LON (Dec°): 25.339902
Water Depth (M): 198
Acoustic Unit #: 77

Relocation LAT:
Relocation LON:

NOTES:

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2015:343:16:15:59.9719385

[✓] ORings

DATA ISSUE ✓

LC4x4-SP ELECTRONICS CHECKLIST	Cruise ID: SANTORINI MGL15-17	Site ID: OS129
Instrument Type: SP 4x4	Network Code: 1E	LAT (Dec°): 36.370680
LAB CHECKOUT Date: 9/23/15 By: SPM	DEPLOYMENT SETUP Date: 11/22/15	LON (Dec°): 25.132852
LOGGER INFORMATION SP-117	By: SPM	Water Depth (M): 497
CPU: 4708-021	Software Version: V1.0.4K	Acoustic Unit #: 98
Seascan: S/N 453	Sync Time With GPS: 2015:326:12:00:00	
A2D: 4708-17 Jumpers Check: [✓]	OBS Time OK?: [✓]	TFOM: 4
Clock: ———	TAG Time OK?: [✓]	
Power: 5107045	Wakeup Time: 2015:326:13:01:00	
Backplane: ———	# of Channels: 4	Sample Rate: 200
CF S/N (A): 2008-528 Size: 16 GB	CH-0 (L28X) Gain: 64	
CF S/N (B): Size:	CH-1 (L28Y) Gain: 64	CONFIG SELECTION ↓
CF S/N (C): Size:	CH-2 (L28Z) Gain: 64	N
Expected Data Size: 8GB	CH-3 (HYD) Gain: 16	
BATTERY INFORMATION	Header Comment: SP 117	
Main Power Type: ALK	Start Experiment: [✓]	TAG OK?: [✓]
Quantity: 48D Voltage: 9.77V	Clock Battery OK: [✓]	Dessicant: [✓]
Clock Pack Type: ALK	PURGE 6"Hg: [✓]	Seal Screw: [✓]
Quantity: 2D Voltage: 3.24V		
Estimated Duration: 60D		

DEPLOYMENT INFORMATION	RECOVERY INFORMATION
Date: By:	Date: 343:21:03 By: SPM
Data Logger: SP 117	OBS Time TAG (1st): 2015:343:21:03:59.8735193
Acoustics: 98	
Frame: F51	OBS Time TAG (2nd): 2015:343:21:04:59.8735148
Float: MG 53	OBS Time OK?: [✓] TFOM: 4
Radio: NR 56 On: [✓]	
Strobe: NS 47 On: [✓]	Drift: -0.1264852
Geophone (/ Trillium): OBS10 GP25	
Hydrophone / DPG: OBS10 HYD38	File Name: OS129.obs
Deploy Time (GMT): 326:12:41:00	
Acoustic Disabled ✓	
Relocation Survey [Y / N / (NA)]	Relocation LAT: Relocation LON:

NOTES:

revised 01 Sept 2015

3RD TAG Time: 2015:343:21:11:59.8734833

[✓] O-Rings

ISSUE DATA ✓

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/22/15 By: SPM

LOGGER INFORMATION ØØ11
CPU: 4708-Ø33
Seascan: S/N 898
A2D: Ø1Ø8Ø27 Jumpers Check: [✓]
Clock:
Power: 5187Ø68
Backplane:
CF S/N (A): 2008-602 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size:

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2 Voltage: 3.239V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:

Data Logger: ØØ11
Acoustics: 23
Frame: F33
Float: 2008-94
Radio: NR72 On: [✓]
Strobe: NS 40 On: [✓]
Geophone (/ Trillium): OBS10-GP0073
Hydrophone / DPG: OBS10-HYDØ33
Deploy Time (GMT): 325:22:49:[illegible]
Acoustic Disabled [✓]
Relocation Survey [Y / N / NA]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS 187
LAT (Dec°): 36.293802
LON (Dec°): 25.136537
Water Depth (M): 525
Acoustic Unit #: 23

Software Version: V1.0.4R

Sync Time With GPS:
2015:325:22:21:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:325:23:22:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: DL11

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: MK6

OBS Time TAG (1st):
2015:344:00:03:00.0893121

OBS Time TAG (2nd):
2015:344:00:04:00.0893163

OBS Time OK?: [ ] TFOM: 4

Drift:
+ 0.0893163

File Name:
OS187obs

Relocation LAT: Relocation LON:

NOTES:

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[✓] OK. 11/25

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP-4x4

LAB CHECKOUT
Date: 9/22/15 By: SPM

LOGGER INFORMATION SP-124
CPU: 4708-016
Seascan: S/N 1149
A2D: 4708-06 Jumpers Check: [✓]
Clock: ———
Power: 4708-19
Backplane: ———
CF S/N (A): 2015-028 Size: 16
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 11/22/15 By: SPM

Data Logger: SP-124
Acoustics: 14
Frame: P65
Float: OBS10-MG00024
Radio: ~~NR34~~ NR06 On: [✓]
Strobe: NS56 On: [✓]
Geophone (/ Trillium): OBS15-GP4
Hydrophone / DPG: OBS10-HYD004
Deploy Time (GMT): 325:23:22:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / NA]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22
By: MR6

Site ID: OS167
LAT (Dec°): 36.312285
LON (Dec°): 25.118113
Water Depth (M): 522
Acoustic Unit #: 14

Software Version:

Sync Time With GPS:
2015:325:22:50:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:01:00:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment:
d|124

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: MR6

OBS Time TAG (1st):
2015:344:01:30:59.952 6043

OBS Time TAG (2nd):
2015:344:01:31:59.9526029

OBS Time OK?: [ ] TFOM: 4

Drift:
-0.0473971

File Name:
OS167.obs

Relocation LAT: *Relocation LON:*

NOTES:

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[✓] ORings

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/24/15 By:

LOGGER INFORMATION SP-0056
CPU: 4708-030
Seascan: 105
A2D: 010B090 Jumpers Check: [✓]
Clock: —
Power: 5107049
Backplane: —
CF S/N (A): 2008-007 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 326 By: EA
Data Logger: SP 56
Acoustics: 97
Frame: F98
Float: MG59
Radio: NR09 On: [✓]
Strobe: NS33 On: [✓]
Geophone (/ Trillium): OBS15GP6
Hydrophone / DPG: OBS18HYD7
Deploy Time (GMT): 326:12:17:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM
Software Version: V1.0.4K
Sync Time With GPS: 2015:326:11:18:00
OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:326:12:18:00
# of Channels: 4 *Sample Rate:* 200
CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16
CONFIG SELECTION ↓ N
Header Comment: SP56
Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: MKG
OBS Time TAG (1st): 2015:344:03:03:00.0196448
OBS Time TAG (2nd): 2015:344:03:04:00.0196455
OBS Time OK?: [ ] TFOM: 4
Drift: +0.0196455
File Name: 05130.obs

Site ID: 05130
LAT (Dec°): 36.357295
LON (Dec°): 25.098513
Water Depth (M): 506
Acoustic Unit #: 97

Relocation LAT:
Relocation LON:

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NOTES:

[✓] ORings

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/24/15 By: (BZ)

LOGGER INFORMATION SP-0075
CPU: 4708-009
Seascan: 793
A2D: ~~4008~~ 0108-003 Jumpers Check: [✓]
Clock: —
Power: 5107020
Backplane: —
CF S/N (A): 2008-55 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: AlK
Quantity: 48D Voltage: 1.77
Clock Pack Type: AlK
Quantity: 2D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 326 By: EA

Data Logger: SP75
Acoustics: 150
Frame: F114
Float: MG92
Radio: NR19 On: [✓]
Strobe: NS76 On: [✓]
Geophone (/ Trillium): OBS18 GP34
Hydrophone / DPG: OBS18 HY024
Deploy Time (GMT): 326:11:28:~~00~~
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OF131
LAT (Dec°): 36.344288
LON (Dec°): 25.066908
Water Depth (M): 518
Acoustic Unit #: 150

Software Version: V1.0.4J

Sync Time With GPS: 2015:326:10:48:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:11:50:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP75

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: MRG

OBS Time TAG (1st):
2015:344:03:53:59.9288362

OBS Time TAG (2nd):
2015:344:03:54:59.9288343

OBS Time OK?: [ ] TFOM: 4

Drift:
-0.0711657

File Name:

Relocation LAT:
Relocation LON:

NOTES:

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[✓] ORINGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/24/15 By: BZ

LOGGER INFORMATION SP-086
CPU: A015
Seascan: 452
A2D: 0108093 Jumpers Check: [✓]
Clock: —
Power: 5107040
Backplane: —
CF S/N (A): 2015-027 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: Alk
Quantity: 48D Voltage: 9.77
Clock Pack Type: Alk
Quantity: 2D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 326 By: EA
Data Logger: SP 86
Acoustics: 38
Frame: F42
Float: MG21
Radio: NR 75 On: [ ]
Strobe: NS 26 On: [ ]
Geophone (/ Trillium): OBS18 GP43
Hydrophone / DPG: OBS18 HY47
Deploy Time (GMT): 326:18:56:~~00~~
Acoustic Disabled [✓]
Relocation Survey [Y / N (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS118
LAT (Dec°): 36.360418
LON (Dec°): 25.020705
Water Depth (M): 527
Acoustic Unit #: 38

Software Version: V1.0.4K

Sync Time With GPS:
2015:326:10:01:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:11:01:00

# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: DL86

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: EA

OBS Time TAG (1st):
2015:344:04:45:59.9220489

OBS Time TAG (2nd):
2015:344:04:46:59.9220466

OBS Time OK?: [ ] TFOM: 4

Drift: −0.0779534

File Name:
OS118.OBS

Relocation LAT: *Relocation LON:*

NOTES:

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[✓] OK, JJ

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/22/15 By: SPM

LOGGER INFORMATION 0067
CPU: 010800
Seascan: S/N 878
A2D 010853 Jumpers Check: [✓]
Clock: ____
Power 510723
Backplane: ____
CF S/N (A): ~~SA16262~~ Size: ~~8GB~~
CF S/N (B): 2008-666 Size: 16
CF S/N (C): Size:
Expected Data Size: ~~8GB~~

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 326 By: EA

Data Logger: SP 67
Acoustics: 61
Frame: F43
Float: MG
Radio: NR 2 On: [✓]
Strobe: NS 50 On: [✓]
Geophone (/ Trillium): OBS18 GP72
Hydrophone / DPG: OBS18 HYD39
Deploy Time (GMT): 326:08:08:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 326
By: EA

Site ID: OS132 ✓
LAT (Dec°): 36.319105
LON (Dec°): 25.081723
Water Depth (M): 529
Acoustic Unit #: 61

Software Version:

Sync Time With GPS:
2015:326:07:44:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:10:00:00

# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP67

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: EA

OBS Time TAG (1st):
2015:344:05:34:00.015545

OBS Time TAG (2nd):
2015:344:05:35:00.015568

OBS Time OK?: [ ] TFOM: 4

Drift:
0.015568

File Name:
OS132.OBS

Relocation LAT: *Relocation LON:*

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NOTES:

☑ ORINGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/24/15 By: SPM

LOGGER INFORMATION 0071
CPU: 0108052
Seascan: S/N 828
A2D: 010810 Jumpers Check: [✓]
Clock: ——
Power: 5107102
Backplane: ——
CF S/N (A): 2008628 Size: 16
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:

Data Logger: SP 71
Acoustics: 82 182
Frame: F63
Float: MB35
Radio: NR29 On: [✓]
Strobe: NS 341 On: [✓]
Geophone (/ Trillium): OBS15-GP3
Hydrophone / DPG: OBS18 HYD11
Deploy Time (GMT): 326:07:32:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date:
By: EA

Software Version:

Sync Time With GPS: 2015:326:06:02:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:326:09:00:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP 71

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: EA

OBS Time TAG (1st): 2015:344:06:20:00.0620130

OBS Time TAG (2nd): 2015:344:06:21:00.0620159

OBS Time OK?: [ ] TFOM: 4

Drift: 0.0620159

File Name: OS133.OBS

Relocation LAT: *Relocation LON:*

Site ID: OS133 ✓
LAT (Dec°): 36.304303
LON (Dec°): 24.959535
Water Depth (M): 522
Acoustic Unit #: 82 182

NOTES:

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✓ OK, EA

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/22 By:

LOGGER INFORMATION SP-094
CPU: 0109080
Seascan: 933
A2D: 0108032 Jumpers Check: ✓
Clock: —
Power: A023
Backplane: —
CF S/N (A): 2008-552 Size: 16
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 1.76
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:

Data Logger: SP94
Acoustics: 146
Frame: F5
Float: ~~S822~~ M654
Radio: NR54 On: [✓]
Strobe: NS22 On: [✓]
Geophone (/ Trillium): ~~089~~ GP 70
Hydrophone / DPG: OBS~~16~~ HYD43
Deploy Time (GMT): 326:~~09~~:25:~~00~~
Acoustic Disabled [✓]
Relocation Survey [Y / N (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 326
By: EA

Software Version:

Sync Time With GPS:
2015:326:08:18:~~00~~

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:326:11:~~00~~:~~00~~
# of Channels: 4 ***Sample Rate:*** 2~~00~~

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP 94

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344 By: ~~EA~~

OBS Time TAG (1st):
2015:344:07:52:~~00~~.0242589

OBS Time TAG (2nd):
2015:344:07:53:~~00~~.0242605

OBS Time OK?: [ ] TFOM: 4

Drift:
0.0242605

File Name:
OS169.OBS

Site ID: ~~OS~~ 169 ✓
LAT (Dec°): 36.277217
LON (Dec°): 25.025948
Water Depth (M): 513
Acoustic Unit #: 146

Relocation LAT: Relocation LON:

NOTES:

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✓ OK.JPG

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4×4

LAB CHECKOUT

Date: 9/22/15 By: SPM

LOGGER INFORMATION #4463

CPU: A011

Seascan: S/N 459

A2D: 008109 Jumpers Check: [Y]

~~Clock:~~

Power: A026

Backplane:

CF S/N (A): ~~SP63~~ Size: ~~16GB~~

CF S/N (B): 2008-693 Size: 16

CF S/N (C): Size:

Expected Data Size: ~~8GB~~

BATTERY INFORMATION

Main Power Type: ~~ALK~~ ALK

Quantity: 48D Voltage: 9.72V

Clock Pack Type: ALK

Quantity: 2D Voltage: 3.24V

Estimated Duration: 60D

DEPLOYMENT INFORMATION

Date: 326 By: EA

Data Logger: SP 63

Acoustics: 105

Frame: F8

Float: MG 31

Radio: NR 36 On: [Y]

Strobe: NS 79 On: [Y]

Geophone (/ Trillium): OBS 10 GP71

Hydrophone / DPG: OBS 10 HYD 54

Deploy Time (GMT): 326:18:02:00

Acoustic Disabled [Y]

Relocation Survey [Y / N / NA]

Cruise ID: SANTORINI MGL15-17

Network Code: 1E

DEPLOYMENT SETUP

Date: 326

By: EA

Site ID: OS149

LAT (Dec°): 36.302650

LON (Dec°): 25.273500

Water Depth (M): 535

Acoustic Unit #: 105

Software Version: 1.0.4 K

Sync Time With GPS: 2015:326:09:11:00

OBS Time OK?: [Y] TFOM: 4

TAG Time OK?: [Y]

Wakeup Time: 2015:326:11:00:00

# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64

CH-1 (L28Y) Gain: 64

CH-2 (L28Z) Gain: 64

CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓ N

Header Comment: SP63

Start Experiment: [Y] TAG OK?: [Y]

Clock Battery OK: [Y] Dessicant: [Y]

PURGE 6"Hg: [Y] Seal Screw: [Y]

RECOVERY INFORMATION

Date: By:

OBS Time TAG (1st): 2015:344:08:32:59.918190

OBS Time TAG (2nd): 2015:344:08:33:59.918158

OBS Time OK?: [Y] TFOM: 4

Drift: -0.089842

File Name: OS149.OBS

Relocation LAT: Relocation LON:

NOTES:

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3rd TAG: 2015:344:08:36:59.918074 [Y] ORIG

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/22 By: [initials]

LOGGER INFORMATION 0061
CPU: 0108067
Seascan: 831
A2D: 0108084 Jumpers Check: [✓]
Clock: ———
Power: 5107076
Backplane: ———
CF S/N (A): SAN65 Size: 64
CF S/N (B): 2015-023 Size: 16GB
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: AlK
Quantity: 48D Voltage: 1.77
Clock Pack Type: AlK
Quantity: 2D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 11/22 By: MKB
Data Logger: Q1
Acoustics: Q7
Frame: 2000-46
Float: MB-10
Radio: NR-88 On: [✓]
Strobe: NS-21 On: [✓]
Geophone (/ Trillium): OBS15-6P01
Hydrophone / DPG: OBS10-HYD017
Deploy Time (GMT): 326:00:26:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / (NA)]

NOTES:

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date:
By:
Software Version: V1.0.4K
Sync Time With GPS: 2015:235:23:19:00
OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:326:02:00:00
# of Channels: 4 *Sample Rate:* 200
CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16
CONFIG SELECTION ↓ N
Header Comment: DL61
Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344:09:57 By: SPM
OBS Time TAG (1st): 2015:344:09:57:59.9716026
OBS Time TAG (2nd): 2015:344:09:58:59.9716024
OBS Time OK?: [✓] TFOM: 4
Drift: -0.0283976
File Name: 0S168.OBS

Site ID: 0S168
LAT (Dec°): 36.298893
LON (Dec°): 25.077185
Water Depth (M): 541
Acoustic Unit #: Q7

Relocation LAT:
Relocation LON:

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O-RINGS N/A

3RD TAG: 2015:344:10:01:59.9716009

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT
Date: 9/23/15 By: SPM

LOGGER INFORMATION SP-092
CPU: A001
Seascan: 447
A2D: 010008 Jumpers Check: [✓]
Clock: ———
Power: 510716
Backplane: ———
CF S/N (A): 2008-658 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: ~~8~~ 86B

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 11/22 By: MRG
Data Logger: SP92
Acoustics: 38
Frame: F-30
Float: M6-26
Radio: 2000-48 On: [✓]
Strobe: NS10 On: [✓]
Geophone (/ Trillium): OBS10-GP0052
Hydrophone / DPG: 2000-0078
Deploy Time (GMT): 326:01:02:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM
Software Version: V1.0.4K
Sync Time With GPS: 2015:325:23:36
OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:~~32~~326:02:00:00
# of Channels: 4 *Sample Rate:* 200
CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16
CONFIG SELECTION ↓ N
Header Comment: DL92
Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344:10:41 By: SPM
OBS Time TAG (1st): 2015:344:10:41:59.9765218
OBS Time TAG (2nd): 2015:344:10:42:59.9765211
OBS Time OK?: [✓] TFOM: 4
Drift: -0.0234789
File Name: 65189.OBS
Relocation LAT:
Relocation LON:

Site ID: OS189
LAT (Dec°): 36.272795
LON (Dec°): 25.082058
Water Depth (M): 560
Acoustic Unit #: 38

NOTES:
MEGT2

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2015:344:10:45:59.9765186

[✓] OK-JS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP - 4x4

LAB CHECKOUT
Date: 9/24/15 By: SPM

LOGGER INFORMATION 0057
Logger S/N: 0057
CPU: 010B055
Seascan: S/N 790
A2D: 010851 Jumpers Check: [✓]
Clock: ———
Power: 006
Backplane: ———
CF S/N (A): 2008-617 Size: 16 GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.76V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 11/22 By: AR6
Data Logger: 57
Acoustics: 69
Frame: F-61
Float: M6-42
Radio: NR-56 On: [✓]
Strobe: NS-63 On: [✓]
Geophone (/ Trillium): OBS15-GPO3
Hydrophone / DPG: OBS10-HYD08
Deploy Time (GMT): 326:02:11:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / NA]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21
By: AR6

Site ID: OS191 ✓
LAT (Dec°): 36.243798
LON (Dec°): 25.011060
Water Depth (M): 518
Acoustic Unit #: 69

Software Version: 1.04k

Sync Time With GPS:
2015:326:00:16:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:03:00:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: DL57

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344:12:10 By: SPM

OBS Time TAG (1st):
2015:344:12:11:59.7860743

OBS Time TAG (2nd):
2015:344:12:12:59.7860662

OBS Time OK?: [✓] TFOM: 4

Drift: -0.2139338

Raw File Name: OS191.OBS

Survey File Name:

Relocation LAT: *Relocation LON:*

NOTES:

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3RD TAG: 2015:344:12:15:59.7860440 [✓] ORINGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4×4

LAB CHECKOUT
Date: 11/16/15 By: SPM

LOGGER INFORMATION SP65
Logger S/N:
CPU: 010807
Seascan: S/N 833
A2D: 010894 Jumpers Check: [✓]
~~Clock~~ 010807 (Notes)
Power: 510033
Backplane:
CF S/N (A): 2015-036 Size: 16 GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8 GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.75V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.237V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:
Data Logger: G5
Acoustics: 50
Frame: F-112
Float: M6-45
Radio: NR-17 On: [✓]
Strobe: NS-32 On: [✓]
Geophone (/ Trillium): OBS10-GP006
Hydrophone / DPG: OBS10-HYD026
Deploy Time (GMT): 326:02:49:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / NA]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22
By: MK6

Site ID: OS192
LAT (Dec°): 36.232145
LON (Dec°): 24.978940
Water Depth (M): 451
Acoustic Unit #: 50

Software Version: 1.04K

Sync Time With GPS:
2015:326:01:05:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:04:00:00
# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: DL G5

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344:12:56 By: SPM

OBS Time TAG (1st):
2015:344:12:57:00.0280205

OBS Time TAG (2nd):
2015:344:12:58:00.0280214

OBS Time OK?: [✓] TFOM: 4

Drift: 0.0280214

Raw File Name: OS192.OBS

Survey File Name:

Relocation LAT: *Relocation LON:*

revised 02 Sept 2015

NOTES:
SEASCAN clock shield fell off AND WAS REMOVED
this needs to be re-soldered
Notes: CF# 5207075
3rd TAG: 2015:344:13:00:00.0280271
[✓] ORNGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP-4x4

LAB CHECKOUT
Date: 9/24/15 By: SPM

LOGGER INFORMATION: 0055
CPU: 0108048
Seascan: S/N 1158
A2D: 01 Jumpers Check: [✓]
Clock: ——
Power: 5107062
Backplane: ——
CF S/N (A): 2008-539 Size: 16
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: 326 By: EA

Data Logger: SP55
Acoustics: 73
Frame: F38
Float: MG09
Radio: NR12 On: [✓]
Strobe: NS82 On: [✓]
Geophone (/ Trillium): OBS15GP5
Hydrophone / DPG: OBS10H4D52
Deploy Time (GMT): 326:06:20:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 326
By: EA

Site ID: OS134 ✓
LAT (Dec°): 36.285698
LON (Dec°): 24.913663
Water Depth (M): 517
Acoustic Unit #: 73

Software Version:

Sync Time With GPS: 2015:326:05:18:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:08:00:00

# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP55

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344:15:30 By: SPM

OBS Time TAG (1st): 2015:344:15:31:00.0002385
OBS Time TAG (2nd): 2015:344:15:32:00.0002380
OBS Time OK?: [✓] TFOM: 4

Drift: 0.0002380

File Name: OS134.OBS

Relocation LAT: *Relocation LON:*

NOTES:

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☑ ORINGS

* CF NOT SET TO FREESPACE

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP4 x4

LAB CHECKOUT
Date: 1/22 By: [illegible]

LOGGER INFORMATION 0013
CPU: A029
Seascan: 1949
A2D: 4708-20 Jumpers Check: [✓]
Clock: ———
Power: 5107007
Backplane: ———
CF S/N (A): 2012-103 Size: 16GB
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8 GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48 D Voltage: 9.75
Clock Pack Type: ALK
Quantity: 2 D Voltage: 3.24
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By: EA
Data Logger: SP13
Acoustics: 19
Frame: F110
Float: MG68
Radio: NRG8 On: [✓]
Strobe: NSG6 On: [✓]
Geophone (/ Trillium): OBS18 GP2
Hydrophone / DPG: OBS18 HYD28
Deploy Time (GMT): 326:05:35:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / NA]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/21/15
By: SPM (EA REDO)
Software Version:
Sync Time With GPS: 2015: 326: ~~03:55:00~~ ~~2015: 325: 21:55:00~~
OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓] 326 : 05 : 00 : 00
Wakeup Time: 2015: ~~326 23:00:00~~
# of Channels: 4 Sample Rate: 200
CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16
CONFIG SELECTION ↓ N
Header Comment: DL 13
Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344:16:26 By: SPM
OBS Time TAG (1st): 2015:344:16:27:00.0071228
OBS Time TAG (2nd): 2015:344:16:28:00.0071232
OBS Time OK?: [ ] TFOM: 4
Drift: 0.0071232
File Name: 05152.OBS

Site ID: 05152
LAT (Dec°): 36.249670
LON (Dec°): 24.885152
Water Depth (M): 492
Acoustic Unit #: 19

Relocation LAT: Relocation LON:

NOTES:

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* 12 PIN RIGGED

NA ORing

* POSSIBLE 12-PIN ISSUE
BEING TO SIDE FOR CONTACT IF IT WASN'T REPLACED.

* PUT ASIDE - UNHOOKED PWR

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP - 4x4

LAB CHECKOUT
Date: 9/23/15 By: SPM

LOGGER INFORMATION SP-126
CPU: 4708-017
Seascan: SN 100
A2D: 4708-25 Jumpers Check: [✓]
Clock: ———
Power: 4708-16
Backplane: ———
CF S/N (A): 2008-503 Size: 16613
CF S/N (B): Size:
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: ALK
Quantity: 48D Voltage: 9.77V
Clock Pack Type: ALK
Quantity: 2D Voltage: 3.24V
Estimated Duration: 60D

DEPLOYMENT INFORMATION
Date: By:
Data Logger: SP 126
Acoustics: 03
Frame: F-60
Float: MG-36
Radio: NR-59 On: [ ]
Strobe: Ns-41 On: [ ]
Geophone (/ Trillium): OBS15-
Hydrophone / DPG: OBS10-HYD009
Deploy Time (GMT): 326:03:58:00
Acoustic Disabled [✓]
Relocation Survey [Y / N / (NA)]

NOTES:

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22
By: MRG
Software Version: 1.04K
Sync Time With GPS: 2015:326:01:56:00
OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]
Wakeup Time: 2015:326:04:00:00
# of Channels: 4 *Sample Rate:* 200
CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16
CONFIG SELECTION ↓ N
Header Comment: ~~DL126~~ DL 126
Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: 344:17:~~08~~ By: SPM
OBS Time TAG (1st): 2015:344:17:08:59.9526129
OBS Time TAG (2nd): 2015:344:17:09:59.9526114
OBS Time OK?: [✓] TFOM: 4
Drift: -0.0473886
File Name:

Site ID: OS171
LAT (Dec°): 36.237483
LON (Dec°): 24.922480
Water Depth (M): 445
Acoustic Unit #: 03

Relocation LAT: *Relocation LON:*

revised 01 Sept 2015

[✓] ORINGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP 4x4

LAB CHECKOUT

Date: 9/24/15 By: SPM

LOGGER INFORMATION 0078

CPU: 0108059

Seascan: S/N 834

A2D: 0108038 Jumpers Check: ✓

Clock: ———

Power: 5107017

Backplane: ———

CF S/N (A): 2008-504 Size: 16 GB

CF S/N (B): Size:

CF S/N (C): Size:

Expected Data Size: 8GB

BATTERY INFORMATION

Main Power Type: ALK

Quantity: 48D Voltage: 9.77V

Clock Pack Type: ALK

Quantity: 2D Voltage: 3.24V

Estimated Duration: 60D

DEPLOYMENT INFORMATION

Date: By:

Data Logger: SP78

Acoustics: 103

Frame:

Float:

Radio: On: [ ]

Strobe: On: [ ]

Geophone (/ Trillium):

Hydrophone / DPG:

Deploy Time (GMT): 326:04:34:00

Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17

Network Code: 1E

DEPLOYMENT SETUP

Date: 11/22

By: MKB

Software Version: 1.04 K

Sync Time With GPS:

2015:326:03:36:00

OBS Time OK?: [✓] TFOM: 4

TAG Time OK?: [✓]

Wakeup Time: 2015:326:05:00:00

# of Channels: 4 *Sample Rate:* 200

CH-0 (L28X) Gain: 64

CH-1 (L28Y) Gain: 64

CH-2 (L28Z) Gain: 64

CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓ N

Header Comment: DL 78

Start Experiment: [✓] TAG OK?: [✓]

Clock Battery OK: [✓] Dessicant: [✓]

PURGE 6"Hg: [✓] Seal Screw: [ ]

RECOVERY INFORMATION

Date: 344:18:1(By: SPM

OBS Time TAG (1st):

2015:344:18:12:00.1479550

OBS Time TAG (2nd):

2015:344:18:13:00.1479622

OBS Time OK?: [✓] TFOM: 4

Drift: 0.1479622

File Name: [redacted]05193.OBS

Relocation LAT: Relocation LON:

NOTES:

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2015:344:18:14:23.1479714

[✓] ORINGS

LC4x4-SP ELECTRONICS CHECKLIST

Instrument Type: SP4X4

LAB CHECKOUT
Date: 9/22/15 By: [illegible]

LOGGER INFORMATION 0021
CPU: 0108073
Seascan: 838
A2D: 0108082 Jumpers Check: [✓]
~~Clock:~~
Power: 4708-14
Backplane: N/A
CF S/N (A): ~~SAN38~~ Size: ~~64~~
CF S/N (B): ~~2498670~~ Size: 16GB
CF S/N (C): Size:
Expected Data Size: 8GB

BATTERY INFORMATION
Main Power Type: Alk
Quantity: 48D Voltage: 9V
Clock Pack Type: Alk
Quantity: 2D Voltage: 3.24
Estimated Duration: 60 Days

DEPLOYMENT INFORMATION
Date: 326 By: EA

Data Logger: SP21
Acoustics: 1
Frame: F28
Float: MG 98
Radio: NR 26 On: [ ]
Strobe: NS 64 On: [ ]
Geophone (/ Trillium): OBS18 GP58
Hydrophone / DPG: OBS18 HYD 63
Deploy Time (GMT): 326:14:09:00
Acoustic Disabled [✓]

Relocation Survey [Y / N / (NA)]

Cruise ID: SANTORINI MGL15-17
Network Code: 1E

DEPLOYMENT SETUP
Date: 11/22/15
By: SPM

Site ID: OS116
LAT (Dec°): 36.433020
LON (Dec°): 25.209020
Water Depth (M): 328
Acoustic Unit #: 1

Software Version: V1.0.4K

Sync Time With GPS:
2015:326:13:21:00

OBS Time OK?: [✓] TFOM: 4
TAG Time OK?: [✓]

Wakeup Time: 2015:326:14:21:00
# of Channels: 4 ***Sample Rate:*** 200

CH-0 (L28X) Gain: 64
CH-1 (L28Y) Gain: 64
CH-2 (L28Z) Gain: 64
CH-3 (HYD) Gain: 16

CONFIG SELECTION ↓
N

Header Comment: SP21

Start Experiment: [✓] TAG OK?: [✓]
Clock Battery OK: [✓] Dessicant: [✓]
PURGE 6"Hg: [✓] Seal Screw: [✓]

RECOVERY INFORMATION
Date: By:

OBS Time TAG (1st):

OBS Time TAG (2nd):

OBS Time OK?: [ ] TFOM: _____

Drift:

File Name:

Relocation LAT: Relocation LON:

NOTES: *revised 01 Sept 2015*

★ Acoustic #1 battery swap was done

- Weak Batteries?
- Weak enable 3/7
- Two Ranges
- No Real Burn command sent

[✓] ORings!
1 of the Dean Seal screws had a chipped section of the face seal. Extra grease was applied

NO RELEASE

Cruise: Santorini-Hooft 2015
Scripps OBS Recoveries

Date (UTC):	343
Site #:	OS116
Acoustic #:	~~0~~ 1
Water depth (meters)	328
Enable:	~~3/7~~ Sounded Weak 18:05
Bottom ranges:	362, 360
Burn #1:	
Burn #2:	HLL
Ranges after burn cycle:	
Estimated time off bottom:	
Estimated surface time:	

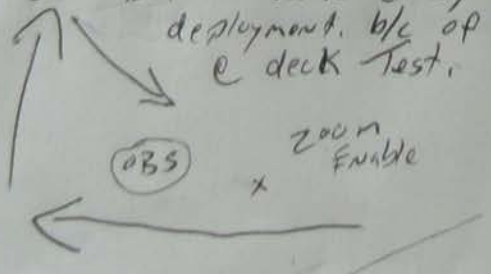
~~18:59~~

-Burn 2 @ 18:52 maybe went through. Heard several pings. Went quite @ 18:59.
- Returning after all recoveries

18:08 ->
18:24 - 1
18:34 - 2

Notes: ~~A~~ Acoustic # 01 Batteries where changed on deployment. b/c of low voltage @ deck test.

-power cycled Box



18:54: 30 44
:51 16
10

NO RELEASE

Cruise: Santorini-Hooft 2015
Scripps OBS Recoveries

Date (UTC):	344 21:23
Site #:	OS116
Acoustic #:	Q1
Water depth (meters)	328
Enable: from last Time	
Bottom ranges:	342. still Ranged after Burn set 2
Burn #1:	
Burn #2:	
Ranges after burn cycle:	
Estimated time off bottom:	
Estimated surface time:	

Notes: Burns Only!!

Burn set 3
22:39:58 - 2 ping solid
22:43:00 - 2 ping solid
22:45:00 = ∅
22:48:00 = ∅
23:53:00 = ∅
23:57:07 = ∅

22:57:45
22:57:57
22:58:04
22:58:10
22:58:35
58:41
23:01:00

Burn set 1
21:28 = ∅
21:31 = ∅
21:33 = ∅
21:36 = 2 ping

Burn Set 2
22:03:36 - 2 ping
22:06 = ∅
22:08 = ∅
22:12 = ∅
22:14:10 = ∅
22:16:14 = ∅
22:18:06 = ∅

22:31:18 - Finish
22:31:56
22:32:50

start 22:09:05 - 1 ping OK
22:10:00 - 1 ping ok
22:18:18 - 2 pings solid
22:12:24 ok
22:19:08 ok

21:34:28 several pings - weak
Sent command 40
21:36:56 - 2 pings solid
21:41:00 - 1 ping - weak
43:10 - 2 ping - ok
43:56 - 2 ping - solid

Burn set #1

21:47:10 - several pings End Burn? Wait 15 min
21:59:49 - Strong ping OK

22:29:17
22:30:48
22:28:18
22:28:36
22:21:26 - 2 pings OK
22:23:07 - 1 ping

B ⇒ 23:~~18~~:20:00
3rd very weak Responses

B ⇒ 23:25:00
B ⇒ 23:32:00
B ⇒ 23:43:00
B ⇒ 23:44:07
B ⇒ ~~23~~:51:00
B ⇒ 00:14:00
B ⇒ 00:22:00

~~B ⇒~~ B00:16:30
Burn 1:00:56:54
Burst 1:00:59:17

23:20:56 Really solid
23:25:08 3 replies
23:25:28 2 replies
23:25:41
23:26:18 2 replies
23:32:11
23:32:30
23:44:18 3 replies (weak)
23:44:37 2 replies (weak)
23:45:30 1 reply (weak)
23:46:20 2 replies (weak)
23:46:40 1 reply (weak)
23:~~4~~6:58
23:~~4~~7:08 2 replies good
23:47:22 : OK 2 replies
23:49:45 : 2 pings 6
23:50:41 : 1 ping
23:50:19 : 2 strong pings
23:51:12 : 3 pings OK

00:14:39
00:14:47 : 2 pings
16:50 : 2 strong pings
17:58 : 2 pings
18:14
18:32

00:18:40
18:52
19:45 2 pings

SIT ON TOP OF OBS

UTC ~~0~~5:~~2~~8 3 Pings!
~~0~~5:~~5~~8 Possibly 1 Ping
~~0~~6:~~3~~0 ———
~~0~~6:~~5~~8 3 Pings WEAK
07:17 1 Ping WEAK
~~0~~7:~~3~~8 1 Ping Strong

2015:345:07:35
END BURN Attempts