# Cruise Operations Database

Data Entered _____ Error Checked _____ Scientist _____

**FOCI Cruise** _____ **Station** 1 (e.g 4MF99)  **Haul** 1  **FOCI Station** BS-4 (e.g HJ45 or FOX058)  **Alt. Station** _____ (e.g CTD015 or MOC004)

**Ship's Cruise** MF-03-06 **GMT-Date** 13 May 03 **GM-Time** 1824 (e.g 20-May-99) (e.g MF99-08)  **Bottom Depth** 32 m

**DLat** 57 **MLat** 50.694 °N  **DLong** 168 **MLong** 52.434 °W

**Haul Comments** 60+20 cm Bongo at mouth BS-4
CTD015 + CTD016 went below at this time...
SPLIT 20 cm BONGO in two sides

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## Gear 60 Bon  Net 1

| Performance | Purpose | |
|---|---|---|
| (good) | gridpre | plnksurv |
| quest | grid | juvsurv |
| fail | gridpost | adult |
| lost | diel | gear |
| (explain if | drift | other |
| not good) | phys | (explain) |

**Mesh** 333 µm

**Depth**  min. 0 m  max. _____ m

**Wire Out**  min. 0 m  max. _____ m

**Flowmeter**
meter # 8995
final rev. 56...
initial rev. 1...7
Total ___

**Tow Time**
mess. net 0 _____
at depth 1:48
haul in _____
mess. net 1 _____
Total 5:14

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### Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

*please see FOCI Field Manual for Gear abbreviations*

fish removed Y / N

| | | | | | |
|---|---|---|---|---|---|
| Absorb | ChLAM | J-Length | Lugols | QTowF ☒ | |
| ADCP | Chlor | J-Oto | Merist | QTowS | TSG |
| A-Genet | CTD | J-Wght | MZ | RCountE | VideoNet |
| A-Gut | Deploy | L-Bioch | NetFluor | RCountJ | XBT |
| A-Length | Discard | L-Genet | Nut | RCountL | |
| A-Oto | EBKG | L-Gut | Ovary | Recovery | |
| Asound | EK500 | L-Hist | PAR | ScanMar | |
| A-Wght | Fluor | Live | PhytoF | Shrink | |
| Brain | J-Genet | L-Musc | POC | SSF | |
| CAT | J-Gut | L-Oto | Pred | Strip | |

| Depth | Chlor | Nut | MZ |
|---|---|---|---|
| | | | |

**CTDB Bottle Sample Info**

*please record all samples collected (each bottle should have its own record)*

| Depth | Chlor | Nut | MZ |
|---|---|---|---|
| | | | |

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## Gear 60 Bon  Net 2

| Performance | Purpose | |
|---|---|---|
| (good) | gridpre | plnksurv |
| quest | grid | juvsurv |
| fail | gridpost | adult |
| lost | diel | gear |
| (explain if | drift | other |
| not good) | phys | (explain) |

**Mesh** 333 µm

**Depth**  min. 0 m  max. _____ m

**Wire Out**  min. 0 m  max. _____ m

**Flowmeter**
meter # 9108
final rev. 22.154
initial rev. 22.090
Total 64

**Tow Time**
mess. net 1 _____
at depth _____
haul in _____
mess. net 2 _____
Total _____

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### Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

*please see FOCI Field Manual for Gear abbreviations*

fish removed Y / N

| | | |
|---|---|---|
| A-Genet | Brain | J-Length | L-Gut | QTowF |
| A-Gut | CAT | J-Oto | L-Hist | QTowS |
| A-Length | Discard ☒ | J-Wght | L-Musc | Pred |
| A-Oto | J-Genet | L-Bioch | L-Oto | RCountE |
| A-Wght | J-Gut | L-Genet | Merist | RCountJ |

**please see FOCI Field Manual for Gear abbreviations**

## Net 1

Gear **ZoBow**  Mesh **153** μm

**Tow Time**
- mess. net 0 ___
- at depth ___
- haul in ___
- mess. net 1 ___
- Total ___

**Flowmeter**
- meter # **9035**
- final rev. **59366**
- intial rev. **58513**
- Total **853**

**Depth**
- min. **0** m
- max. **0** m

**Wire Out**
- min. **0** m
- max. **0** m

**Purpose**
- gridpre, grid, gridpost, diel, drift, phys
- pinksurv, juvsurv, adult, gear, other (explain)

**Performance**
- (good) quest, fail, lost (explain if not good)

*fish removed Y / N*
RCountL, Shrink, sample, sample

QTowF, QTowS, Pred, RCountE, RCountJ
L-Gut, L-Hist, L-Musc, L-Oto, Merist
J-Length, J-Oto, J-Wght, L-Bioch, L-Genet
Brain, CAT, Discard, J-Genet, J-Gut
A-Genet, A-Gut, A-Length, A-Oto, A-Wght

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**please see FOCI Field Manual for Gear abbreviations**

## Net 2

Gear **ZoBow**  Mesh **153** μm

**Tow Time**
- mess. net 1 ___
- at depth ___
- haul in ___
- mess. net 2 ___
- Total ___

**Flowmeter**
- meter # **9034**
- final rev. **32346**
- intial rev. **31569**
- Total **777**

**Depth**
- min. **0** m
- max. **0** m

**Wire Out**
- min. **0** m
- max. **0** m

**Purpose**
- gridpre, grid, gridpost, diel, drift, phys
- pinksurv, juvsurv, adult, gear, other (explain)

**Performance**
- good, quest, fail, lost (explain if not good)

*fish removed Y / N*
RCountL, Shrink, sample, sample

QTowF, QTowS, Pred, RCountE, RCountJ
L-Gut, L-Hist, L-Musc, L-Oto, Merist
J-Length, J-Oto, J-Wght, L-Bioch, L-Genet
Brain, CAT, Discard, J-Genet, J-Gut
A-Genet, A-Gut, A-Length, A-Oto, A-Wght

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**please see FOCI Field Manual for Gear abbreviations**

## Net ___

Gear **SeaCat**  Mesh ___ μm

**Tow Time**
- Total ___

**Flowmeter**
- meter # ___
- final rev. ___
- intial rev. ___
- Total ___

**Depth**
- min. ___ m
- max. ___ m

**Wire Out**
- min. ___ m
- max. ___ m

**Purpose**
- gridpre, grid, gridpost, diel, drift, phys
- pinksurv, juvsurv, adult, gear, other (explain)

**Performance**
- good, quest, fail, lost (explain if not good)

*fish removed Y / N*
RCountL, Shrink, sample, sample

QTowF, QTowS, Pred, RCountE, RCountJ
L-Gut, L-Hist, L-Musc, L-Oto, Merist
J-Length, J-Oto, J-Wght, L-Bioch, L-Genet
Brain, CAT, Discard, J-Genet, J-Gut
A-Genet, A-Gut, A-Length, A-Oto, A-Wght

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**please see FOCI Field Manual for Gear abbreviations**

## Net ___

Gear ___  Mesh ___ μm

**Tow Time**
- Total ___

**Flowmeter**
- meter # ___
- final rev. ___
- intial rev. ___
- Total ___

**Depth**
- min. ___ m
- max. ___ m

**Wire Out**
- min. ___ m
- max. ___ m

**Purpose**
- gridpre, grid, gridpost, diel, drift, phys
- pinksurv, juvsurv, adult, gear, other (explain)

**Performance**
- good, quest, fail, lost (explain if not good)

*fish removed Y / N*
RCountL, Shrink, sample, sample

QTowF, QTowS, Pred, RCountE, RCountJ
L-Gut, L-Hist, L-Musc, L-Oto, Merist
J-Length, J-Oto, J-Wght, L-Bioch, L-Genet
Brain, CAT, Discard, J-Genet, J-Gut
A-Genet, A-Gut, A-Length, A-Oto, A-Wght

# Cruise Operations Database

Data Entered _____ Error Checked _____ Scientist _____

**FOCI Cruise** _____ **Station** 1 **Haul** 2 **FOCI Station** _____ **Alt. Station** BS-4 (e.g. CTD015 or MOC004)

**Ship's Cruise** MF-03-06 **GMT-Date** 13 May 03 **GM-Time** 1856 **Bottom Depth** 71 m
(e.g 4MF99) (e.g MF99-08) (e.g 20-May-99)

**DLat** 53 **MLat** 50.989 °N **DLong** 168 **MLong** 52.544 °W

**Haul Comments** cal vet #1 at mooring BS-4

## Gear: Cal vet #1 Net 1 Mesh 53 µm

### Performance
- good
- quest
- fail
- lost
- (explain if not good)

### Purpose
- gridpre
- grid
- gridpost
- diel
- drift
- phys
- plnksurv
- juvsurv
- adult
- gear
- other
- (explain)

#### Depth
- min. 0 m
- max. 61 m

#### Wire Out
- min. 0 m
- max. 0 m

### Flowmeter
meter # 7581
final rev. 45647
initial rev. 45479
**Total** 208

### Tow Time
- mess. net 0 _____
- at depth _____
- haul in _____
- mess. net 1 _____
**Total** 130

Comment: # SPLIT CALVET INTO 2 JARS

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | | | | | | | fish removed Y / N |
|---|---|---|---|---|---|---|---|---|
| Absorb | ChLAM | J-Length | Lugols | QTowF ☒ | | | | |
| ADCP | Chlor | J-Oto | Merist | QTowS | | | | |
| A-Genet | CTD | J-Wght | MZ | RCountE | | TSG | | |
| A-Gut | Deploy | L-Bioch | NetFluor | RCountJ | | VideoNet | | |
| A-Length | Discard | L-Genet | Nut | RCountL | | XBT | | |
| A-Oto | EBKG | L-Gut | Ovary | Recovery | | | | |
| Asound | EK500 | L-Hist | PAR | ScanMar | | | | |
| A-Wght | Fluor | Live | PhytoF | Shrink | | | | |
| Brain | J-Genet | L-Musc | POC | SSF | | | | |
| CAT | J-Gut | L-Oto | Pred | Strip | | | | |

## CTDB Bottle Sample Info

*please record all samples collected (each bottle should have its own record)*

| Depth | Chlor | Nut | MZ | | | | | Depth | Chlor | Nut | MZ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | volume | bottle# | X | | | | | | volume | bottle# | X |
| | volume | bottle# | X | | | | | | volume | bottle# | X |
| | volume | bottle# | X | | | | | | volume | bottle# | X |
| | volume | bottle# | X | | | | | | volume | bottle# | X |

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## Gear: Cal vet Net 2 Mesh 53 µm

### Performance
- good
- quest
- fail
- lost
- (explain if not good)

### Purpose
- gridpre
- grid
- gridpost
- diel
- drift
- phys
- plnksurv
- juvsurv
- adult
- gear
- other
- (explain)

#### Depth
- min. 0 m
- max. 0 m

#### Wire Out
- min. 0 m
- max. 0 m

### Flowmeter
meter # 4269
final rev. 83303
initial rev. 83135
**Total** 167

### Tow Time
- mess. net 1 _____
- at depth _____
- haul in _____
- mess. net 2 _____
**Total** _____

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | | | | fish removed Y / N |
|---|---|---|---|---|---|
| A-Genet | Brain | J-Length | QTowF | | |
| A-Gut | CAT | J-Oto | QTowS | RCountL | |
| A-Length | Discard ✗ | J-Wght | Pred | Shrink | |
| A-Oto | J-Genet | L-Bioch | RCountE | sample | |
| A-Wght | J-Gut | L-Genet | RCountJ | sample | |
| | | L-Gut | Merist | | |
| | | L-Hist | | | |
| | | L-Musc | | | |
| | | L-Oto | | | |

*please see FOCI Field Manual for Gear abbreviations*

# Cruise Operations Database

Data Entered _____ Error Checked _____ Scientist _____

**FOCI Cruise** _____ (e.g 4MF99)  **Station** _____  **Haul** 3  **FOCI Station** _____  **Alt. Station** BS-4 (e.g. CTD015 or MOC004)

**Ship's Cruise** MF 0306 (e.g MF99-08)  **GMT-Date** 13 May 63 (e.g 20-May-99)  **GM-Time** 1903  **Bottom Depth** 72 (e.g HJ45 or FOX058)

**DLat** 53  **MLat** 50.828 °N  **DLong** 168  **MLong** 52.531 °W

**Haul Comments** ✗ Calvet #2 at BS-4  ✗ SPLIT CALVET INTO 2 JARS

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**Gear** Calvet  **Net** 1  **Mesh** 53  **µm**

| Performance | Purpose | | Depth | Flowmeter | Tow Time |
|---|---|---|---|---|---|
| good (circled) | gridpre | plnksurv | min. 8 m | meter # 7581 | mess. net 0 ___ |
| quest | grid | juvsurv | max. 62 m | final rev. 45835 | at depth 1:38 |
| fail | gridpost | adult | **Wire Out** | intial rev. 45643 | haul in 1:32 |
| lost | diel | gear | min. 0 m | Total 188 | mess. net 1 ___ |
| (explain if not good) | drift | other (explain) | max. ___ m | | Total 3:00 |
| | phys | | | | |

**Samples Collected** — *circle all samples collected PLUS fill in ProjectCode(s) (in the box and NumberSampled (on the line when applicable)*

Absorb, ADCP, A-Genet, A-Gut, A-Length, A-Oto, Asound, A-Wght, Brain, CAT, ChLAM, Chlor, CTD, Deploy, Discard, EBKG, EK500, Fluor, J-Genet, J-Gut, J-Length, J-Oto, J-Wght, L-Bioch, L-Genet, L-Gut, L-Hist, Live, L-Musc, L-Oto, Lugols, Merist, MZ, NetFluor, Nut, Ovary, PAR, PhytoF, POC, Pred, QTowF (X), QTowS, RCountE, RCountJ, RCountL, Recovery, ScanMar, Shrink, SSF, Strip, TSG, VideoNet, XBT

*fish removed Y / N*

**CTDB Bottle Sample Info** — *please record all samples collected (each bottle should have its own record)*

| Depth | Chlor | Nut | MZ |
|---|---|---|---|
| m | volume | bottle# | bottle# |

---

**Gear** _____  **Net** _____  **Mesh** _____  **µm**

| Performance | Purpose | | Depth | Flowmeter | Tow Time |
|---|---|---|---|---|---|
| good | gridpre | plnksurv | min. ___ m | meter # 4269 | mess. net 1 ___ |
| quest | grid | juvsurv | max. ___ m | final rev. 83484 | at depth ___ |
| fail | gridpost | adult | **Wire Out** | intial rev. 83302 | haul in ___ |
| lost | diel | gear | min. ___ m | Total 182 | mess. net 2 ___ |
| (explain if not good) | drift | other (explain) | max. ___ m | | Total ___ |
| | phys | | | | |

**Samples Collected** — *circle all samples collected PLUS fill in ProjectCode(s) (in the box and NumberSampled (on the line when applicable)*

A-Genet, A-Gut, A-Length, A-Oto, A-Wght, Brain, CAT, Discard, J-Genet, J-Gut, J-Length, J-Oto, J-Wght, L-Bioch, L-Genet, L-Gut, L-Hist, L-Musc, L-Oto, Merist, Pred, QTowF, QTowS, RCountE, RCountJ, Shrink

*fish removed Y / N*

*please see FOCI Field Manual for Gear abbreviations*

# Cruise Operations Database

Data Entered _____ Error Checked _____ Scientist _____

**FOCI Cruise** _____ **Station** 1 **Haul** 4 **FOCI Station** _____ **Alt. Station** BS-4
(e.g 4MF99) (e.g HJ45 or FOX058) (e.g CTD015 or MOC004)

**Ship's Cruise** MF-03-06 **GMT-Date** 13 May 03 **GM-Time** 1916 **Bottom Depth** 72 m
(e.g MF99-08) (e.g 20-May-99)

**DLat** 57 **MLat** 50.828 °N **DLong** 168 **MLong** 52.531 °W

**Haul Comments** calver #3 of morning site BS-4
✗ SPLIT CALVET INTO TWO JARS

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**Gear** calvet **Net** 1 **Mesh** 53 **μm**

| Performance | | Purpose | | Depth | |
|---|---|---|---|---|---|
| good | | gridpre | plnksurv | min. | 0 m |
| quest | | grid | juvsurv | max. | m |
| fail | | gridpost | adult | **Wire Out** | |
| lost | | diel | gear | min. | 0 m |
| (explain if | | drift | other | max. | 62 m |
| not good) | | phys | (explain) | | |

| **Tow Time** | |
|---|---|
| mess. net 0 | |
| at depth | 1:38 |
| haul in | 1:20 |
| mess. net 1 | |
| **Total** | 2:48 |

please see FOCI Field Manual for Gear abbreviations

| **Flowmeter** | |
|---|---|
| meter # | 7581 |
| final rev. | 45967 |
| intial rev. | 45835 |
| **Total** | 132 |

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | | | | | | fish removed Y / N |
|---|---|---|---|---|---|---|---|
| Absorb | ChLAM | J-Length | Lugols | QTowF ☒ | MZ | Nut | TSG |
| ADCP | Chlor | J-Oto | Merist | QTowS | Chlor | bottle# | VideoNet |
| A-Genet | CTD | J-Wght | MZ | RCountE | volume | XBT |
| A-Gut | Deploy | L-Bioch | NetFluor | RCountJ | | | |
| A-Length | Discard | L-Genet | Nut | RCountL | | | |
| A-Oto | EBKG | L-Gut | Ovary | Recovery | | | |
| Asound | EK500 | L-Hist | PAR | ScanMar | | | |
| A-Wght | Fluor | Live | PhytoF | Shrink | | | |
| Brain | J-Genet | L-Musc | POC | SSF | | | |
| CAT | J-Gut | L-Oto | Pred | Strip | | | |

**CTDB Bottle Sample Info**

*please record all samples collected (each bottle should have its own record)*

| Depth | Chlor | Nut | MZ |
|---|---|---|---|
| | volume | bottle# | bottle# |
| | volume | bottle# | bottle# |
| | volume | bottle# | bottle# |
| | volume | bottle# | bottle# |
| | volume | bottle# | bottle# |

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**Gear** calvet **Net** 2 **Mesh** 53 **μm**

| Performance | | Purpose | | Depth | |
|---|---|---|---|---|---|
| good | | gridpre | plnksurv | min. | 0 m |
| quest | | grid | juvsurv | max. | m |
| fail | | gridpost | adult | **Wire Out** | |
| lost | | diel | gear | min. | 0 m |
| (explain if | | drift | other | max. | m |
| not good) | | phys | (explain) | | |

| **Tow Time** | |
|---|---|
| mess. net 1 | |
| at depth | |
| haul in | |
| mess. net 2 | |
| **Total** | |

please see FOCI Field Manual for Gear abbreviations

| **Flowmeter** | |
|---|---|
| meter # | 4269 |
| final rev. | 83581 |
| intial rev. | 83484 |
| **Total** | 97 |

✗ NO GOOD END

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | | fish removed Y / N |
|---|---|---|---|
| A-Genet | Brain | J-Length | QTowF |
| A-Gut | CAT | J-Oto | QTowS |
| A-Length | Discard ☒ | J-Wght | Pred |
| A-Oto | J-Genet | L-Bioch | RCountE |
| A-Wght | J-Gut | L-Genet | RCountJ |
| | | L-Gut | |
| | | L-Hist | |
| | | L-Musc | |
| | | L-Oto | |
| | | Merist | |

# Cruise Operations Database

Data Entered _____   Error Checked _____   Scientist _____

**FOCI Cruise** _____ (e.g 4MF99)   **Station** 2   **Haul** 1   **FOCI Station** _____ (e.g HJ45 or FOX058)   **Alt. Station** _____ (e.g. CTD015 or MOC004)

**Ship's Cruise** MF-03-06   **GMT-Date** 14may03 (e.g 20-May-99)   **GM-Time** 1401   **Bottom Depth** 72 m

**DLat** 56   **MLat** 52.22 °N   **DLong** 164   **MLong** 01.82 °W

**Haul Comments** 60/20 Bongo at morning site BS-2
CTD 018 + CTD 017 taken at this station

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## Flowmeter / Tow Time (Net 1)

please see FOCI Field Manual for Gear abbreviations

| Tow Time | |
|---|---|
| mess. net 0 | _____ |
| at depth | ~2:40 |
| haul in | _____ |
| mess. net 1 | _____ |
| **Total** | 8:11 |

| Flowmeter | |
|---|---|
| meter # | 8990 |
| final rev. | 97838 |
| initial rev. | 96147 |
| **Total** | 1691 |

**Gear** 60 Bm   **Net** 1   **Mesh** 333 µm

| Depth | | Wire Out | |
|---|---|---|---|
| min. | 0 m | min. | 0 m |
| max. | ___ m | max. | ___ m |

**Performance:** (good) quest / fail / lost (explain if not good)

**Purpose:** gridpre, grid, gridpost, diel, drift, phys | plnksurv, juvsurv, adult, gear, other (explain)

### Samples Collected (Net 1)
circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb, ADCP, A-Genet, A-Gut, A-Length, A-Oto, Asound, A-Wght, Brain, CAT, ChLAM, Chlor, CTD, Deploy, Discard, EBKG, EK500, Fluor, J-Genet, J-Gut, J-Length, J-Oto, J-Wght, L-Bioch, L-Genet, L-Gut, L-Hist, Live, L-Musc, L-Oto, Lugols, Merist, MZ, NetFluor, Nut, Ovary, PAR, PhytoF, POC, Pred, QTowF ✓, QTowS, RCountE, RCountJ, RCountL, Recovery, ScanMar, Shrink, SSF, Strip, TSG, VideoNet, XBT

fish removed Y / N

Depth, Chlor, Nut, MZ

**CTDB Bottle Sample Info**
please record all samples collected (each bottle should have its own record)

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## Flowmeter / Tow Time (Net 2)

please see FOCI Field Manual for Gear abbreviations

| Tow Time | |
|---|---|
| mess. net 1 | _____ |
| at depth | _____ |
| haul in | _____ |
| mess. net 2 | _____ |
| **Total** | _____ |

| Flowmeter | |
|---|---|
| meter # | 9108 |
| final rev. | 24431 |
| initial rev. | 22755 |
| **Total** | 1676 |

**Gear** 60 Bm   **Net** 2   **Mesh** 333 µm

| Depth | | Wire Out | |
|---|---|---|---|
| min. | 0 m | min. | 0 m |
| max. | ___ m | max. | ___ m |

**Performance:** (good) quest / fail / lost (explain if not good)

**Purpose:** gridpre, grid, gridpost, diel, drift, phys | plnksurv, juvsurv, adult, gear, other (explain)

### Samples Collected (Net 2)
circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet, A-Gut, A-Length, A-Oto, A-Wght, Brain, CAT, Discard ✓, J-Genet, J-Gut, J-Length, J-Oto, J-Wght, L-Bioch, L-Genet, L-Gut, L-Hist, L-Musc, L-Oto, Merist, Pred, QTowF, QTowS, RCountE, RCountJ, RCountL, Shrink

fish removed Y / N

## Form 1

**Gear** 20 Bon  **Net** 1  **Mesh** 153 **µm**

*please see FOCI Field Manual for Gear abbreviations*

**Performance**
- good (circled)
- quest
- fail
- lost
- *(explain if not good)*

**Purpose**
- gridpre / pinksurv
- grid / juvsurv
- gridpost / adult
- diel / gear
- drift / other
- phys / *(explain)*

**Depth**
min. 0 m
max. ___ m

**Wire Out**
min. 0 m
max. ___ m

**Flowmeter**
meter # 9035
final rev. 09974
initial rev. 59366
**Total** 1608

**Tow Time**
mess. net 0 ___
at depth ___
haul in ___
mess. net 1 ___
**Total** ___

*fish removed Y / N*

☒ QTowF  ☐ QTowS  ☐ Pred  ☐ RCountE  ☐ RCountJ  ☐ RCountL  ☐ Shrink  ☐ sample  ☐ sample

☐ L-Gut  ☐ L-Hist  ☐ L-Musc  ☐ L-Oto  ☐ Merist

☐ J-Length  ☐ J-Oto  ☐ J-Wght  ☐ L-Bioch  ☐ L-Genet

☐ Brain  ☐ CAT  ■ Discard  ☐ J-Genet  ☐ J-Gut

☐ A-Genet  ☐ A-Gut  ☐ A-Length  ☐ A-Oto  ☐ A-Wght

## Form 2

**Gear** 20 Bon  **Net** 2  **Mesh** 153 **µm**

*please see FOCI Field Manual for Gear abbreviations*

**Performance**
- good
- quest
- fail
- lost
- *(explain if not good)*

**Purpose**
- gridpre / pinksurv
- grid / juvsurv
- gridpost / adult
- diel / gear
- drift / other
- phys / *(explain)*

**Depth**
min. ___ m
max. ___ m

**Wire Out**
min. ___ m
max. ___ m

**Flowmeter**
meter # 9034
final rev. 33952
initial rev. 32346
**Total** 1606

**Tow Time**
mess. net 1 ___
at depth ___
haul in ___
mess. net 2 ___
**Total** ___

*fish removed Y / N*

☐ QTowF  ☐ QTowS  ☐ Pred  ☐ RCountE  ☐ RCountJ  ☐ RCountL  ☐ Shrink  ☐ sample  ☐ sample

☐ L-Gut  ☐ L-Hist  ☐ L-Musc  ☐ L-Oto  ☐ Merist

☐ J-Length  ☐ J-Oto  ☐ J-Wght  ☐ L-Bioch  ☐ L-Genet

☐ Brain  ☐ CAT  ■ Discard  ☐ J-Genet  ☐ J-Gut

☐ A-Genet  ☐ A-Gut  ☐ A-Length  ☐ A-Oto  ☐ A-Wght

## Form 3

**Gear** ___  **Net** ___  **Mesh** ___ **µm**

*please see FOCI Field Manual for Gear abbreviations*

**Performance**
- good
- quest
- fail
- lost
- *(explain if not good)*

**Purpose**
- gridpre / pinksurv
- grid / juvsurv
- gridpost / adult
- diel / gear
- drift / other
- phys / *(explain)*

**Depth**
min. ___ m
max. ___ m

**Wire Out**
min. ___ m
max. ___ m

**Flowmeter**
meter # ___
final rev. ___
initial rev. ___
**Total** ___

**Tow Time**
**Total** ___

*fish removed Y / N*

☐ QTowF  ☐ QTowS  ☐ Pred  ☐ RCountE  ☐ RCountJ  ☐ RCountL  ☐ Shrink  ☐ sample  ☐ sample

☐ L-Gut  ☐ L-Hist  ☐ L-Musc  ☐ L-Oto  ☐ Merist

☐ J-Length  ☐ J-Oto  ☐ J-Wght  ☐ L-Bioch  ☐ L-Genet

☐ Brain  ☐ CAT  ■ Discard  ☐ J-Genet  ☐ J-Gut

☐ A-Genet  ☐ A-Gut  ☐ A-Length  ☐ A-Oto  ☐ A-Wght

## Form 4

**Gear** ___  **Net** ___  **Mesh** ___ **µm**

*please see FOCI Field Manual for Gear abbreviations*

**Performance**
- good
- quest
- fail
- lost
- *(explain if not good)*

**Purpose**
- gridpre / pinksurv
- grid / juvsurv
- gridpost / adult
- diel / gear
- drift / other
- phys / *(explain)*

**Depth**
min. ___ m
max. ___ m

**Wire Out**
min. ___ m
max. ___ m

**Flowmeter**
meter # ___
final rev. ___
initial rev. ___
**Total** ___

**Tow Time**
**Total** ___

*fish removed Y / N*

☐ QTowF  ☐ QTowS  ☐ Pred  ☐ RCountE  ☐ RCountL  ☐ Shrink  ☐ sample

☐ L-Gut  ☐ L-Hist  ☐ L-Musc  ☐ L-Oto

☐ J-Length  ☐ J-Oto  ☐ J-Wght  ☐ L-Bioch

☐ Brain  ☐ CAT  ■ Discard  ☐ J-Genet

☐ A-Genet  ☐ A-Gut  ☐ A-Length  ☐ A-Oto

# Cruise Operations Database

Data Entered _____ Error Checked _____ Scientist _____

**FOCI Cruise** _____ **Station** 2 **Haul** 2 **FOCI Station** _____ **Alt. Station** CalOO4
(e.g 4MF99) (e.g. CTD015 or MOC004)

**Ship's Cruise** MF-03-06 **GMT-Date** 14 May 03 **GM-Time** 1438 **Bottom Depth** 73
(e.g MF99-08) (e.g 20-May-99)

**DLat** 56 **MLat** 51.982 °N **DLong** 164 **MLong** 01.864 °W

**Haul Comments** CalVet #4 at mooring site BS-2
CTD#17 + CTD#18 Taken at this station

---

## Net 1

**Gear** CalVet

| Performance | Purpose | | |
|---|---|---|---|
| (good) | gridpre | grid | plnksurv |
| quest | | | juvsurv |
| fail | gridpost | | adult |
| lost | diel | | gear |
| (explain if | drift | | other |
| not good) | phys | | (explain) |

**Mesh** 53 **μm**

| Depth | |
|---|---|
| min. | 2 m |
| max. | 63 m |

| Wire Out | |
|---|---|
| min. | 0 m |
| max. | m |

### Tow Time
| mess. net 0 | |
|---|---|
| at depth | 1:36 |
| haul in | 1:28 |
| mess. net 1 | |
| **Total** | 3:04 |

### Flowmeter
meter # 7581

| final rev. | 46325 |
|---|---|
| intial rev. | 45968 |
| **Total** | 357 |

---

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | | |
|---|---|---|---|
| Absorb | ChLAM | J-Length | Lugols |
| ADCP | Chlor | J-Oto | Merist |
| A-Genet | CTD | J-Wght | MZ |
| A-Gut | Deploy | L-Bioch | NetFluor |
| A-Length | Discard | L-Genet | Nut |
| A-Oto | EBKG | L-Gut | Ovary |
| Asound | EK500 | L-Hist | PAR |
| A-Wght | Fluor | Live | PhytoF |
| Brain | J-Genet | L-Musc | POC |
| CAT | J-Gut | L-Oto | Pred |

| | | | |
|---|---|---|---|
| QTowF | | TSG | *fish removed Y / N* |
| QTowS | | VideoNet | |
| RCountE | | XBT | |
| RCountJ | | | |
| RCountL | | | |
| Recovery | | | |
| ScanMar | | | |
| Shrink | | | |
| SSF | | | |
| Strip | | | |

| Depth | Chlor | Nut | MZ |
|---|---|---|---|

**CTDB Bottle Sample Info**

*please record all samples collected (each bottle should have its own record)*

| Depth | Chlor | Nut | MZ |
|---|---|---|---|

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## Net 2

**Gear** CalVet

| Performance | Purpose | | |
|---|---|---|---|
| (good) | gridpre | grid | plnksurv |
| quest | | | juvsurv |
| fail | gridpost | | adult |
| lost | diel | | gear |
| (explain if | drift | | other |
| not good) | phys | | (explain) |

**Mesh** 53 **μm**

| Depth | |
|---|---|
| min. | m |
| max. | m |

| Wire Out | |
|---|---|
| min. | m |
| max. | m |

### Tow Time
| mess. net 1 | |
|---|---|
| at depth | |
| haul in | |
| mess. net 2 | |
| **Total** | |

### Flowmeter
meter # 4269

| final rev. | 83790 |
|---|---|
| intial rev. | 83582 |
| **Total** | 208 |

---

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | |
|---|---|---|
| A-Genet | Brain | L-Gut |
| A-Gut | CAT | L-Hist |
| A-Length | Discard | L-Musc |
| A-Oto | J-Genet | L-Oto |
| A-Wght | J-Gut | Merist |
| | J-Length | |
| | J-Oto | QTowF |
| | J-Wght | QTowS |
| | L-Bioch | Pred |
| | L-Genet | RCountE |
| | | RCountJ |

*fish removed Y / N*
RCount__
Shrink
sample
sample
sample

# Cruise Operations Database

Data Entered _____ Error Checked _____ Scientist _____

**FOCI Cruise** _____ **Station** 2 **Haul** 3 **FOCI Station** _____ **Alt. Station** CA005

(e.g 4MF99) (e.g HJ45 or FOX058) (e.g. CTD015 or MOC004)

**Ship's Cruise** MF03-06 **GMT-Date** 14 May 03 **GM-Time** 1446 **Bottom Depth** 73

(e.g MF99-08) (20-May'99)

**DLat** 56 **MLat** 53.0209 °N **DLong** 164 **MLong** 01.8396 °W

**Haul Comments** Calvet 5 at morning Site BS-2

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**Gear** Calvet **Net** 1 **Mesh** 53 **μm**

| Performance | | Purpose | | Depth | | Flowmeter | | Tow Time | |
|---|---|---|---|---|---|---|---|---|---|
| good | | gridpre | plnksurv | min. | 0 m | meter # 7581 | | mess. net 0 | |
| quest | | grid | juvsurv | max. | 63 m | final rev. 46458 | | at depth 1:33 | |
| fail | | gridpost | adult | | | intial rev. 46225 | | haul in 1:23 | |
| lost | | diel | gear | **Wire Out** | | | | mess. net 1 | |
| (explain if | | drift | other | min. | 8 m | **Total** 233 | | | |
| not good) | | phys | (explain) | max. | 8 m | | | **Total** 2:56 | |

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | | | | | *fish removed* Y / N |
|---|---|---|---|---|---|---|
| Absorb | ChLAM | J-Length | Lugols | | QTowF ⊠ | |
| ADCP | Chlor | J-Oto | Merist | | QTowS | TSG |
| A-Genet | CTD | J-Wght | MZ | | RCountE | VideoNet |
| A-Gut | Deploy | L-Bioch | NetFluor | | RCountJ | XBT |
| A-Length | Discard | L-Genet | Nut | | RCountL | |
| A-Oto | EBKG | L-Gut | Ovary | | Recovery | |
| Asound | EK500 | L-Hist | PAR | | ScanMar | |
| A-Wght | Fluor | Live | PhytoF | | Shrink | |
| Brain | J-Genet | L-Musc | POC | | SSF | |
| CAT | J-Gut | L-Oto | Pred | | Strip | |

**CTDB Bottle Sample Info**

*please record all samples collected (each bottle should have its own record)*

| Depth | Chlor | Nut | MZ | Depth | Chlor | Nut | MZ |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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**Gear** Calvet **Net** 2 **Mesh** 53 **μm**

| Performance | | Purpose | | Depth | | Flowmeter | | Tow Time | |
|---|---|---|---|---|---|---|---|---|---|
| good | | gridpre | plnksurv | min. | m | meter # 4269 | | mess. net 1 | |
| quest | | grid | juvsurv | max. | m | final rev. 83983 | | at depth | |
| fail | | gridpost | adult | | | intial rev. 83790 | | haul in | |
| lost | | diel | gear | **Wire Out** | | | | mess. net 2 | |
| (explain if | | drift | other | min. | m | **Total** 193 | | | |
| not good) | | phys | (explain) | max. | m | | | **Total** | |

## Samples Collected

*circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)*

| | | | *fish removed* Y / R |
|---|---|---|---|
| A-Genet | Brain | J-Length | L-Gut | QTowF | |
| A-Gut | CAT | J-Oto | L-Hist | QTowS | RCourit.. |
| A-Length | Discard ⊠ | J-Wght | L-Musc | Pred | Shrink |
| A-Oto | J-Genet | L-Bioch | L-Oto | RCountE | sample |
| A-Wght | J-Gut | L-Genet | Merist | RCountJ | sample |

*please see FOCI Field Manual for Gear abbreviations*

# Cruise Operations Database

**FOCI Cruise** _____ (e.g 4MF99)    **Station** 2   **Haul** 4   **FOCI Station** _____   **Alt. Station** CALOO6 (e.g. CTD015 or MOC004)

**Ship's Cruise** MF03-06 (e.g MF99-08)   **GMT-Date** 14 May 03 (e.g. 20-May-99)   **GM-Time** 1453   **Bottom Depth** 72

**DLat** 56   **MLat** 52.08.15 °N   **DLong** 164   **MLong** 01.81.01 °W

**Haul Comments** Calvet #6 at site BS-2
NET 2 tide different direction

---

## Net 1

**Gear** Calvet   **Mesh** 53 **μm**

| Tow Time | |
|---|---|
| mess. net 0 | |
| at depth | 1:39 |
| haul in | 1:38 |
| mess. net 1 | |
| **Total** | **2:57** |

**Flowmeter** meter # 7581
final rev. 46690
intial rev. 46458
**Total** 232

**Depth**  min. 0 m   max. ___ m
**Wire Out**  min. 0 m   max. ___ m

### Purpose
gridpre / plnksurv / grid / juvsurv / gridpost / adult / diel / gear / drift / other / phys / (explain)

### Performance
good / quest / fail / lost / (explain if not good)

### Samples Collected
circle all samples collected PLUS fill in ProjectCode(s) (in the box and NumberSampled (on the line when applicable)

Absorb, ChLAM, J-Length, Lugols, QTowF (fish removed Y / N)
ADCP, Chlor, J-Oto, Merist, QTowS, TSG
A-Genet, CTD, J-Wght, MZ, RCountE, VideoNet
A-Gut, Deploy, L-Bioch, NetFluor, RCountJ, XBT
A-Length, Discard, L-Genet, Nut, RCountL
A-Oto, EBKG, L-Gut, Ovary, Recovery
Asound, EK500, L-Hist, PAR, ScanMar
A-Wght, Fluor, Live, PhytoF, Shrink
Brain, J-Genet, L-Musc, POC, SSF
CAT, J-Gut, L-Oto, Pred, Strip

### CTDB Bottle Sample Info
please record all samples collected (each bottle should have its own record)

| Depth | Chlor | Nut | MZ |
|---|---|---|---|
| | | | |
| | | | |

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## Net 2

**Gear** Calvet   **Mesh** 53 **μm**

| Tow Time | |
|---|---|
| mess. net 1 | |
| at depth | |
| haul in | |
| mess. net 2 | |
| **Total** | |

**Flowmeter** meter # 4269
final rev. 84158
intial rev. 83983
**Total** 175

**Depth**  min. ___ m   max. ___ m
**Wire Out**  min. ___ m   max. ___ m

### Purpose
gridpre / plnksurv / grid / juvsurv / gridpost / adult / diel / gear / drift / other / phys / (explain)

### Performance
good / quest / fail / lost / (explain if not good)

### Samples Collected
circle all samples collected PLUS fill in ProjectCode(s) (in the box and NumberSampled (on the line when applicable)

A-Genet, Brain, J-Length, L-Gut, QTowF (fish removed Y / R)
A-Gut, CAT, J-Oto, L-Hist, QTowS
A-Length, Discard, J-Wght, L-Musc, Pred
A-Oto, J-Genet, L-Bioch, L-Oto, RCountE
A-Wght, J-Gut, L-Genet, Merist, RCountJ