Transects

| Cruise | Event | $\begin{gathered} \text { Cycle } \\ \text { (Transect) } \end{gathered}$ | $\begin{aligned} & \text { Order } \\ & \text { Occupied } \\ & \text { (Tow) } \end{aligned}$ | Date | $\begin{gathered} \text { Latitude } \\ \text { (degrees)(min) } \mathrm{N} \end{gathered}$ | $\begin{array}{\|c\|} \text { PORT Mesh } \\ (\mu \mathrm{m}) \end{array}$ | PORT Initial Revs | PORT Final Revs | $\begin{array}{\|c\|} \text { PORT } \\ \text { Total Revs } \end{array}$ | $\begin{gathered} \text { PORT } \\ \text { Revs/sec } \end{gathered}$ | PORT Mrev | $\begin{array}{\|c} \hline \text { PORT Volume } \\ \text { Water Strained } \\ (\mathrm{m} 3) \end{array}$ | PORT Standard Haul Factor (10 $\mathrm{m}^{2} /$ unit area) | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CCE-LTER-P1908 |  | 1 | 1 | 10-Aug-2019 | N | 202 | 378,457 | 383,341 | 4,884 | 31.3077 | 0.269 | 52.0 | 19.168 | Transect not cycle, biomass not rinsed with ammonium forme |
| CCE-LTER-P1908 |  | 2 | 1 | 17-Aug-2019 | N | 202 | 624,132 | 628,566 | 4,434 | 27.2025 | 0.269 | 47.2 | 20.865 | Transect not cycle. |
| CCE-LTER-P1908 |  | 2 | 2 | 17-Aug-2019 | N | 202 | 628,566 | 633,286 | 4.720 | 29.1358 | 0.269 | 50.2 | 19.713 | Transect not cycle. |
| CCE-LTER-P1908 |  | 2 | 3 | 17-Aug-2019 | N | 202 | 633,283 | 637,788 | 4,505 | 27.638 | 0.269 | 48.0 | 20.537 | Transect not cycle. |
| CCE-LTER-P1908 |  | 2 | 4 | 18-Aug-2019 | N | 202 | 637,782 | 641,666 | 3,884 | 24.1242 | 0.269 | 41.4 | 24.181 | Transect not cycle. Time missing on petri dishes this tow. |
| CCE-LTER-P 1908 |  | 2 | 5 | 18-Aug-2019 | N | 202 | 641,668 | 645,448 | 3,780 | 24.0764 | 0.269 | 40.2 | 24.710 | Transect not cycle. |
| CCE-LTER-P1908 |  | 2 | 6 | 18-Aug-2019 | N | 202 | 650,394 | 654,400 | 4,006 | 25.5159 | 0.269 | 42.6 | 23.358 | Transect not cycle. Initial and final revs flipped from what is w |
| CCE-LTER-P1908 |  | 2 | 7 | 18-Aug-2019 | N | 202 | 650,443 | 654,178 | 3,735 | 23.7898 | 0.269 | 39.8 | 25.144 | Transect not cycle. Initial rev less than final for previous tow, I |
| CCE-LTER-P 1908 |  | 3 | 1 | 26-Aug-2019 | N | 202 | 963,113 | 967.461 | 4.348 | 25.5765 | 0.269 | 46.3 | 21.521 | Transect not cycle. Small amount of gc cup spilled during filtri |
| CCE-LTER-P 1908 |  | 3 | 3 | 26-Aug-2019 | N | 202 | 974,930 | 978,698 | 3,768 | 23.55 | 0.269 | 40.1 | 24.923 | Transect not cycle. |
| CCE-LTER-P1908 |  | 3 | 4 | 26-Aug-2019 | N | 202 | 978,702 | 982,559 | 3,857 | 23.5183 | 0.269 | 41.1 | 24.111 | Transect not cycle. |
| CCE-LTER-P 1908 |  | 3 | 5 | 27-Aug-2019 | N | 202 | 982,556 | 986,135 | 3,579 | 21.3036 | 0.269 | 38.1 | 26.232 | Transect not cycle. |
| CCE-LTER-P1908 |  | 3 | 6 | 27-Aug-2019 | N | 202 | 986,141 | 990,182 | 4,041 | 25.5759 | 0.269 | 43.0 | 23.241 | Transect not cycle. |
| CCE-LTER-P1908 |  | 3 | 7 | 26-Aug-2019 | N | 202 | 990,185 | 994,045 | 3,860 | 23.3939 | 0.269 | 41.1 | 24.196 | Transect not cycle. |
| CCE-LTER-P1908 |  | 3 | 8 | 27-Aug-2019 | N | 202 | 994,048 | 999,352 | 5,304 | 32.3415 | 0.269 | 56.4 | 17.115 | Transect not cycle. Slowed down to maintain tension at 50 m , |
| CCE-LTER-P1908 |  | 3 | 9 | 27-Aug-2019 | N | 202 | 999,352 | 1,004,820 | 5,468 | 32.9398 | 0.269 | 58.2 | 16.872 | " 100 " added to front of final rev to make subtraction work. Tri |

VERTICAL BONGOS

$$
N=16
$$



NET TOW DATA SHEET


## Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Eycle | Tow | Event \# | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | (Deployed) | YR MO DY | Begin Tow | End Tow |
| $0 \times 3$ | - | 1 | ! | ? $0^{9} 9$ | Hoyc | - 236 | 23.6 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  | Port or Starboard |  |  |  |



## NET TOW DATASHEET



## Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Transect sycter | Tow | Event \# <br> (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 2 | 1 |  | 190817 | 2025 | 2034 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  | Port ${ }^{\text {d S Starboard }}$ |  |  |  |


|  | Gut Contents <br> (Cup\#) | Gut Fluorescence | Biomass <br> (Pre-weighed filter \#) |  |
| :--- | :---: | :---: | :---: | :---: |
| Split | $1 / 4$ | $3 / 8$ | $3 / 8$ |  |
| Container Number | 13 | 181,183 | 50,51 |  |
|  |  |  |  |  |
| Dewar | 2 | 2 | 3 |  |
| Canister Number | 3 | 3 | 3 |  |
| Notes: wire angles not $\phi$. Cauf. curvent water, not very quen |  |  |  |  |

Initials:

NET TOW DATA SHEET


Vertical Bongo Size Fractionated Data Sheet

|  |  |  |  | Event \# | Date | Hour |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cruise | Ship | Cycle | Tow | (Deployed) | YR MO DY | Begin Tow | End Tow |
| CCE-P | Atlantis | Trane | 2 |  | 209817 | $21 \cdot 50$ | $21: 58$ |
| Tow Type: Vertical Bongo (202 $\mu \mathrm{m}$ ) |  |  |  | Port or Starboard |  |  |  |



NET TOW DATA SHEET

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## Vertical Bongo Size Fractionated Data Sheet

|  | Ship | Tunser ${ }^{1}$ | Tow | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cruise |  | cyete |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 2 | 3 |  | 190817 | - 2307 | 2315 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  | Port or Starboard |  |  |  |


|  | Gut Contents <br> (Cup \#) | Gut Fluorescence | Biomass <br> (Pre-weighed filter \#) |
| :--- | :---: | :---: | :---: | :---: |
| Split | 18 | $3 / 8$ | $3 / 8$ |
| Container Number | 15 | 55,186 | 2 |

NET TOW DATA SHEET


Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Transect Eycte | Tow | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | AT L | 2 | 4 |  | 190818 | $\cdots 0029$ | 0037 |
| Tow Type: Vertical Bongo (202 $\mu \mathrm{m}$ ) |  |  |  | Port or Starboard |  |  |  |



NE F TOW DATA SHEET

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## Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Transect - G melor | Tow | Event \# | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | (Deployed) | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 2 | 5 |  | 190818 | 0224 | 0232 |
| Tow Type: Vertical Bongo (202 $\mu \mathrm{m}$ ) |  |  |  | Port or Starboard |  |  |  |


| Gut Contents <br> (Cup \#) |
| :--- |
| Split |
| Container Number |

## NET TON DATA SHEET



Vertical Bongo Size Fractionated Data Sheet



## NET TOM DAWA. SHEET



## Vertical Bongo Size Fractionated Data Sheet

|  | Ship | Transect等理 | Tow | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cruise |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 2 | 7 |  | 190818 | $\cdots 530$ | 0538 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  |  | Port)or Starboard |  |  |



NET TOW DATA SHEET


Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Trunsect sycte |  | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Tow |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 3 | 1 |  | 190826 | 1845 | 1857 |
| Tow Type: Vertical Bongo (202 $\mu \mathrm{m}$ ) |  |  |  | ( Port)or Starboard |  |  |  |



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No sumple saved

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sample throur arvay

## NET TOW DATA SHEET



Vertical Bongo Size Fractionated Data Sheet

|  | Ship | Transect - | Tow | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cruise |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 3 | 3 |  | 190826 | 2125 | 2135 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  | Port pr Starboard |  |  |  |



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## Vertical Bongo Size Fractionated Data Sheet

|  | Ship | Transect等地 | Tow | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cruise |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 3 | 4 |  | 190826 | 2235 | 2247 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  | Port or Starboard |  |  |  |


|  | Gut Contents <br> (Cup\#) |  | Gut Fluorescence | Biomass <br> (Pre-weighed filter \#) |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Split | $1 / 8$ | $3 / 8$ | $3 / 8$ |  |  |
| Container Number | 36 | 259,260 | 125,126 |  |  |
|  |  |  |  |  |  |
| Dewar | 1 | 1 | 1 |  |  |
| Canister Number | 5 | 5 | 5 |  |  |

Notes:

Initials: S. Sommer, I. Mangolte, N. Morgan-witts, A. Fledaerisin

## NET TOW DATA SHEET



## Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Tuns |  | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Tow |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 3, | 5 |  | 1968270030 |  | 0040 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  | Port or Starboard |  |  |  |


|  | Gut Contents <br> (Cup \#) |  | Gut Fluorescence | Biomass <br> (Pre-weighed filter \#) |  |
| :--- | :---: | :---: | :--- | :--- | :---: |
| Split | $1 / 4$ | $2 / 8$ | $2 / 0$ |  |  |
| Container Number | 35 | 258 | 127 |  |  |
|  |  |  |  |  |  |
| Dewar | 1 | 1 | 1 |  |  |
| Canister Number | 6 | 6 | 6 |  |  |

Notes:

Initials:

NET TOW DATA SHEET



Vertical Bongo Size Fractionated Data Sheet

|  | Ship | Cycle | Tow | Event \# (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cruise |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | $A^{T} L$ | T3 | TG |  | 27 Aug2a9 | O1:40 | 01:53 |
| Tow Type: Vertical Bongo (202 $\mu \mathrm{m}$ ) |  |  |  | Port or Starboard |  |  |  |


|  | Gut Contents <br> (Cup\#) | Gut Fluorescence | Biomass <br> (Pre-weighed filter \#) |  |
| :--- | :---: | :---: | :---: | :---: |
| Split | $1 / 4$ | $3 / 8$ | $3 / 8$ |  |
| Container Number | 118 | 256,257 | 128,129 |  |
| Dewar |  |  | 1 |  |
| Canister Number | 6 | 6 | 6 |  |
| Notes: |  |  |  |  |

## NET TOW DATA SHEET



Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Tvans cyete | 垂 | Event \# <br> (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | 3 | 7 |  | 190627 | 0300 | c 310 |
| Tow Type: Vertical Bongo ( $202 \mu \mathrm{~m}$ ) |  |  |  | Port or Starboard |  |  |  |


|  | Gut Contents (Cup \#) | Gut Fluorescence | Biomass <br> (Pre-weighed filter \#) |  |
| :---: | :---: | :---: | :---: | :---: |
| Split | $1 / 4$ | 218 | $3 / 8$ |  |
| Container Number | 17 | 286,287 | 130, | 131 |
| Dewar | 2 | 2 | 2 |  |
| Canister Number | 1 | 1 | 1 |  |
| Notes: |  |  |  |  |



## Vertical Bongo Size Fractionated Data Sheet

|  |  |  |  | Event \# | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cruise | Ship | Cycle | Tow | (Deployed) | YR MO DY | Begin Tow | End Tow |
| P1908 | ATL | $T 3 T 8$ |  |  | 27Ay 2019 | $04: 50$ | $0 S .03$ |
| Tow Type: Vertical Bongo $(202 \mu \mathrm{~m})$ | Port or Starboard |  |  |  |  |  |  |



NET TOW DATA SHEET


## Vertical Bongo Size Fractionated Data Sheet

| Cruise | Ship | Cycle | Tow | Event \# <br> (Deployed) | Date | Hour (PDT) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | YR MO DY | Begin Tow | End Tow |
| Pigo 8 | A7L | Inconvect 3 | Tau 9 |  | 27 Aug 2019 | © 5 : 15 | OS. 52 |
| Tow Type: Vertical Bongo ( $\mathbf{2 0 2} \mu \mathrm{m}$ ) |  |  |  | Port or Starboard |  |  |  |


|  | Gut Contents (Cup \#) | Gut Fluorescence | Biomass <br> (Pre-weighed filter \#) |
| :---: | :---: | :---: | :---: |
| Split | $1 / 4$ | $2 / 8$ | $3 / 8$ |
| Container Number | 3 | 20,0,291 | 135136 |
| Dewar | 2 | 2 | 2 |
| Canister Number | 2 | 2 | 2 |
| Notes: |  |  |  |
| Initials:3. Jonner, = Uarache ij. Morgan-witts |  |  |  |

