

[illegible]

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[illegible]

| VESSEL               |     | CRUISE ID       |     | PROJECT & LEG        |     | CTD FileName: |    | STATION NO. |     |                |                  |                  |                  |                    |                   |                     |              |
|----------------------|-----|-----------------|-----|----------------------|-----|---------------|----|-------------|-----|----------------|------------------|------------------|------------------|--------------------|-------------------|---------------------|--------------|
| OSCAR DYSON          |     | DY2508          |     | EcoFOCI Fall Mooring |     |               |    | 54 H1       |     |                |                  |                  |                  |                    |                   |                     |              |
| CONSC<br>CAST #      | DEG | LATITUDE<br>MIN | DEG | LONGITUDE<br>MIN     | DAY | MO            | YR | HR          | MIN | TIME (GMT)     | DRY BULB<br>(°C) | RH<br>(%)        | Pressure<br>(mb) | WIND<br>DIRL (deg) | WIND<br>SPD (kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |
| 00454                | 20  | 49              | 16  | 52                   | 6   | 09            | 28 | 04          | 36  | 0925           |                  | 91               | 1005             | 305                | 10                | 155                 | US4          |
| SBE 9+               |     |                 |     |                      |     |               |    |             |     | WEATHER OBS:   |                  | SFC/Bottom Temp. |                  | MAX DEPTH = 152 m  |                   |                     |              |
| PRESS SN             |     |                 |     |                      |     |               |    |             |     | REMARKS:       |                  |                  |                  |                    |                   |                     |              |
| PRI TEMP SN          |     |                 |     |                      |     |               |    |             |     | No Samples     |                  |                  |                  |                    |                   |                     |              |
| SEC TEMP SN          |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| PRI COND SN          |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| SEC COND SN          |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| FLUOR S/N            |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| SBE43-Oxy (prme)     |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| SBE43-Oxy (sec)      |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| Transmissometer      |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| PAR S/N              |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| O2 Temp Sensor No    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| Rosette Notes        |     |                 |     |                      |     |               |    |             |     | Chloro         |                  | Flow Cyt         |                  | edNA               |                   | Comments            |              |
| Sample Bottle Number |     |                 |     |                      |     |               |    |             |     | >10 micron Vol |                  |                  |                  |                    |                   |                     |              |
| Salt Btl             |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| Nut Btl              |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| O2 Btl               |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| DIC / ALK            |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| GFF                  |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| Nis                  |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| DEPTH                |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| DESIGNED             |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 1                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 2                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 3                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 4                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 5                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 6                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 7                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 8                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 9                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 10                   |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 11                   |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 12                   |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| 1                    |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |
| Inline               |     |                 |     |                      |     |               |    |             |     |                |                  |                  |                  |                    |                   |                     |              |

| VESSEL   | CRUISE ID                                    | PROJECT & LEG                                  | CTD FileName:                      | STATION NO.                      |
|--|--|--|------------------------------------|----------------------------------|
| OSCAR DYSON  | DY2508                                       | EcoFOCI Fall Mooring                           |                                    | 55H1                             |
| CONSC<br>CAST #  | LATITUDE                                     | LONGITUDE                                      | TIME (GMT)                         | DRY BULB                         |
| DEG MIN  | DEG MIN                                      | DAY MO YR                                      | HR MIN                             | (°C)                             |
| 0055443.26 N   | 16440.56 W                                   | 30 AUG 25                                      | 0624                               | . . .                            |
| SBE 9+<br><input type="checkbox"/>   | FLUOR S/N<br><input type="checkbox"/>        | SBE 43-Oxy (prime)<br><input type="checkbox"/> | RH (%)                             | Pressure (mb)                    |
| PRESS SN<br><input type="checkbox"/>   | SBE 43-Oxy (sec)<br><input type="checkbox"/> | Transmissometer<br><input type="checkbox"/>    | WIND DIRL (deg)                    | WIND SPD. (kts)                  |
| SEC TEMP SN<br><input type="checkbox"/>  | PAR S/N<br><input type="checkbox"/>          | O2 Temp Sensor No.<br><input type="checkbox"/> | BOTTOM DEPTH (m)                   | STA. NAME/ID                     |
| SEC COND SN<br><input type="checkbox"/>  |  |  |                                    |                                  |
| REMARKS:<br>END WITH RESPIRED BEAKER<br>RESTAINTED, DANGER OF CAUSE<br>MOVED WELL, TRY ANOTHER STATION |  |  |                                    |                                  |
| SFC/BOTTOM Temp: MAX DEPTH = 43 m  |  |  |                                    |                                  |
| NIS No.  | DEPTH DESIRED                                | Rosette Notes                                  | Sample Bottle Number               | Chloro                           |
|  |  |  | Salt Btl Nut. Btl O2 Btl DIC / ALK | GFF >10 micron Vol Flow Cyt eDNA |
| 1  | Bot  |  | 8010 308/057                       | 278                              |
| 2  | 30   |  | 807                                | 278                              |
| 3  | 20   |  | 808                                | 278                              |
| 4  | 10   |  | 809                                | 278                              |
| 5  | 0  |  | 67810                              | 278                              |
| 6  |  |  |                                    |                                  |
| 7  |  |  |                                    |                                  |
| 8  |  |  |                                    |                                  |
| 9  |  |  |                                    |                                  |
| 10   |  |  |                                    |                                  |
| 11   |  |  |                                    |                                  |
| 12   |  |  |                                    |                                  |
| 1  | Inline                                       |  |                                    |                                  |

Recorder Initials:

|                       |                     |                                       |               |                     |
|-----------------------|---------------------|---------------------------------------|---------------|---------------------|
| VESSEL<br>OSCAR DYSON | CRUISE ID<br>DY2508 | PROJECT & LEG<br>EcoFOCI Fall Mooring | CTD FileName: | STATION NO.<br>5641 |
|-----------------------|---------------------|---------------------------------------|---------------|---------------------|

| CONSC<br>CAST # | DEG | MIN | DEG | MIN | DAY | MO | YR  | HR | MIN | TIME (GMT) | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND DIRN.<br>(deg) | WIND SPD.<br>(kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |      |
|-----------------|-----|-----|-----|-----|-----|----|-----|----|-----|------------|------------------|-----------|------------------|---------------------|--------------------|---------------------|--------------|------|
| 00654           | 49  | 92  | 104 | 52  | 70  | 30 | AUG | 2  | 08  | 01         |                  | 69        | 101              | 71                  | 79                 | 22                  | 74           | WBEZ |

|             |                   |              |                 |                   |
|-------------|-------------------|--------------|-----------------|-------------------|
| SBE 9+      | FLUOR S/N         | WEATHER OBS. | SFC/Bottom Temp | MAX DEPTH = 109 m |
| PRESS SN    | SBE43-Oxy (prime) | REMARKS:     |                 |                   |
| PRI TEMP SN | SBE43-Oxy (sec)   |              |                 |                   |
| SEC TEMP SN | Transmissometer   |              |                 |                   |
| PRI COND SN | PAR S/N           |              |                 |                   |
| SEC COND SN | O2 Temp Sensor No |              |                 |                   |

Recorder initials:

| NIS No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number |  |  |     | Chloro |  | >10 micron Vol |  | Flow Cyt | eDNA | Comments |  | NIS No. |
|---------|---------------|---------------|----------------------|--|--|-----|--------|--|----------------|--|----------|------|----------|--|---------|
| 1       | BOT           |               |                      |  |  | 811 |        |  |                |  |          |      |          |  | 1       |
| 2       | 50            |               |                      |  |  | 812 |        |  |                |  |          |      |          |  | 2       |
| 3       | 40            |               |                      |  |  | 813 |        |  |                |  |          |      |          |  | 3       |
| 4       | 30            |               |                      |  |  | 814 |        |  |                |  |          |      |          |  | 4       |
| 5       | 20            |               |                      |  |  | 815 |        |  |                |  |          |      |          |  | 5       |
| 6       | 10            |               |                      |  |  | 816 |        |  |                |  |          |      |          |  | 6       |
| 7       | 0             |               |                      |  |  | 817 |        |  |                |  |          |      |          |  | 7       |
| 8       |               |               |                      |  |  |     |        |  |                |  |          |      |          |  | 8       |
| 9       |               |               |                      |  |  |     |        |  |                |  |          |      |          |  | 9       |
| 10      |               |               |                      |  |  |     |        |  |                |  |          |      |          |  | 10      |
| 11      |               |               |                      |  |  |     |        |  |                |  |          |      |          |  | 11      |
| 12      |               |               |                      |  |  |     |        |  |                |  |          |      |          |  | 12      |
| 1       |               | Inline        |                      |  |  |     |        |  |                |  |          |      |          |  | 1       |

Chl G/F/E filter had weird white spots but still worked

EW RM

PL

PL

30

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 5741        |

|   |          |     |           |     |            |          |    |          |           |          |              |              |       |     |
|---|----------|-----|-----------|-----|------------|----------|----|----------|-----------|----------|--------------|--------------|-------|-----|
| CONSC CAST #                              | LATITUDE |     | LONGITUDE |     | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID |       |     |
| 754                                       | 56       | 44  | 164       | 59  | 0911       | 81.1     | 9  | 831      | 01161     | 7430     | 93           | WBE1         |       |     |
| DEG                                       | MIN      | DEG | MIN       | DAY | MO         | YR       | HR | MIN      | (°C)      | (%)      | (mb)         | (deg)        | (kts) | (m) |
| SBE 9+ _____ FLUOR S/N _____              |          |     |           |     |            |          |    |          |           |          |              |              |       |     |
| PRESS SN _____ SBE43-Oxy (prime) _____    |          |     |           |     |            |          |    |          |           |          |              |              |       |     |
| PRI TEMP SN _____ SBE43-Oxy (sec) _____   |          |     |           |     |            |          |    |          |           |          |              |              |       |     |
| SEC TEMP SN _____ Transmissometer _____   |          |     |           |     |            |          |    |          |           |          |              |              |       |     |
| PRI COND SN _____ PAR S/N _____           |          |     |           |     |            |          |    |          |           |          |              |              |       |     |
| SEC COND SN _____ O2 Temp Sensor No _____ |          |     |           |     |            |          |    |          |           |          |              |              |       |     |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| REMARKS: <u>Soft bottom due to weather</u> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WEATHER OBS: _____                         |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SFC/Bottom Temp: _____                     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAX DEPTH = 87 m                           |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Recorder Initials: _____                   |  |  |  |  |  |  |  |  |  |  |  |  |  |

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |         |        |           | Chloro | > 10 micron Vol |  |  |  | Flow Cyt | eDNA | Comments |  |  |  | NIS |
|-----|---------|---------------|----------------------|---------|--------|-----------|--------|-----------------|--|--|--|----------|------|----------|--|--|--|-----|
| No. | DESIRED |               | Salt Btl             | Nut Btl | O2 Btl | DIC / ALK | GFF    |                 |  |  |  |          |      |          |  |  |  | No. |
| 1   | BOT     |               |                      | 818     | 352    |           | 276    |                 |  |  |  |          |      |          |  |  |  | 1   |
| 2   | 50      |               |                      | 819     |        |           | 276    |                 |  |  |  |          |      |          |  |  |  | 2   |
| 3   | 40      |               |                      | 820     |        |           | 276    |                 |  |  |  |          |      |          |  |  |  | 3   |
| 4   | 30      |               |                      | 821     |        |           | 276    |                 |  |  |  |          |      |          |  |  |  | 4   |
| 5   | 20      |               |                      | 822     |        |           | 276    |                 |  |  |  |          |      |          |  |  |  | 5   |
| 6   | 10      |               |                      | 823     |        |           | 276    |                 |  |  |  | X        |      |          |  |  |  | 6   |
| 7   | 0       |               |                      | 824     |        |           | 276    |                 |  |  |  |          |      |          |  |  |  | 7   |
| 8   |         |               |                      |         |        |           |        |                 |  |  |  |          |      |          |  |  |  | 8   |
| 9   |         |               |                      |         |        |           |        |                 |  |  |  |          |      |          |  |  |  | 9   |
| 10  |         |               |                      |         |        |           |        |                 |  |  |  |          |      |          |  |  |  | 10  |
| 11  |         |               |                      |         |        |           |        |                 |  |  |  |          |      |          |  |  |  | 11  |
| 12  |         |               |                      |         |        |           |        |                 |  |  |  |          |      |          |  |  |  | 12  |
| 1   |         | Inline        |                      |         |        |           |        |                 |  |  |  |          |      |          |  |  |  | 1   |

EL ED ZC ED

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD Filename: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 58 H1       |

|          |             |                |            |          |      |             |           |             |              |              |
|----------|-------------|----------------|------------|----------|------|-------------|-----------|-------------|--------------|--------------|
| CONSC    | LATITUDE    | LONGITUDE      | TIME (GMT) | DRY BULB | RH   | Pressure    | WIND DIRN | WIND SPD    | BOTTOM DEPTH | STA. NAME/ID |
| CAST #   | DEG MIN     | DEG MIN        | DAY MO YR  | HR MIN   | (°C) | (%)         | (mb)      | (deg) (kts) | (m)          |              |
| 00854211 | 89° 16' 54" | 68° 30' 40" 25 | 1554       |          |      | 92101015926 |           |             | 447          | UBW1         |

|             |                   |                                  |                 |                   |
|-------------|-------------------|----------------------------------|-----------------|-------------------|
| SBE 9+      | FLUOR S/N         | WEATHER OBS:                     | SFC/Bottom Temp | MAX DEPTH = 401 m |
| PRESS SN    | SBE43-Oxy (prime) | REMARKS:                         |                 |                   |
| PRI TEMP SN | SBE43-Oxy (sec)   | Big White Angle - May Stop Short |                 |                   |
| SEC TEMP SN | Transmissometer   | ROUGH CONDITIONS                 |                 |                   |
| PRI COND SN | PAR S/N           | 100m W. 401 vs CTD Depth         |                 |                   |
| SEC COND SN | O2 Trip Sensor No |                                  |                 |                   |

Recorder Initials:

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number              | Chloro | >10 micron Vol | Flow Cyt | dDNA  | Comments | NIS |
|-----|---------|---------------|-----------------------------------|--------|----------------|----------|-------|----------|-----|
| No. | DESIRED |               | Salt Btl Nut Btl O2 Btl DIC / ALK | GFF    |                |          |       |          | No. |
| 1   | Bot     |               | 883 826 295                       |        |                |          |       |          | 1   |
| 2   | 1307    |               |                                   |        |                |          | E2987 |          | 2   |
| 3   | 350     |               | 827                               |        |                |          |       |          | 3   |
| 4   | 200     |               | 828                               |        |                |          |       |          | 4   |
| 5   | 100     |               | 829                               |        |                |          | E2982 |          | 5   |
| 6   | 50      |               | 830                               | 278    |                |          |       |          | 6   |
| 7   | 40      |               | 831                               | 278    |                |          |       |          | 7   |
| 8   | 30      |               | 832                               | 278    |                |          | E2989 |          | 8   |
| 9   | 20      |               | 833                               | 278    |                |          |       |          | 9   |
| 10  | 10      |               | 834                               | 278    |                | X        | E2990 |          | 10  |
| 11  | 3085    |               | 835 355                           | 278    |                |          |       |          | 11  |
| 12  |         |               |                                   |        |                |          |       |          | 12  |
| 1   |         | Inline        |                                   |        |                |          |       |          | 1   |

LB LC

SW

AM 20



| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
|-------------|-----------|----------------------|---------------|-------------|
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | S9 H1       |

| CONC<br>CAST # | DEG              | LATITUDE<br>MIN | DEG               | LONGITUDE<br>MIN | DAY | MO | YR | TIME (GMT)   | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND DIRN.<br>(deg) | WIND SPD.<br>(kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID     |
|----------------|------------------|-----------------|-------------------|------------------|-----|----|----|--------------|------------------|-----------|------------------|---------------------|--------------------|---------------------|------------------|
| 0095646        | .13 <sup>N</sup> | 164             | 19.797            | 31               | AUG | 2  | 5  | 2052         | .                | 94        | 1007             | 165                 | 20                 |                     | 73 MABOX3        |
| SSE 9+         |                  |                 | FLUOR S/N         |                  |     |    |    | WEATHER OBS: |                  |           | SFC/Bottom Temp. |                     |                    |                     | MAX DEPTH = 63 m |
| PRESS SN       |                  |                 | SBE43-Oxy (prime) |                  |     |    |    | REMARKS:     |                  |           |                  |                     |                    |                     |                  |
| PRI TEMP SN    |                  |                 | SBE43-Oxy (sec)   |                  |     |    |    |              |                  |           |                  |                     |                    |                     |                  |
| SEC TEMP SN    |                  |                 | Transmissometer   |                  |     |    |    |              |                  |           |                  |                     |                    |                     |                  |
| PRI COND SN    |                  |                 | PAR S/N           |                  |     |    |    |              |                  |           |                  |                     |                    |                     |                  |
| SEC COND SN    |                  |                 | O2 Tmp Sensor No  |                  |     |    |    |              |                  |           |                  |                     |                    |                     |                  |

| NIS<br>No. | DEPTH<br>DESIRIED | Rosette Notes | Sample Bottle Number |         |        |           | Chloro |                | Flow Cyt | eDNA | Comments |  |  |  |    |
|------------|-------------------|---------------|----------------------|---------|--------|-----------|--------|----------------|----------|------|----------|--|--|--|----|
|            |                   |               | Salt Btl             | Nut.Btl | O2 Btl | DIC / ALK | GFF    | >10 micron Vol |          |      | No.      |  |  |  |    |
| 1          | Bot               |               |                      |         | 68     | '836      |        |                |          |      | E2991    |  |  |  | 1  |
| 2          | 25'               |               |                      |         |        |           |        |                |          |      |          |  |  |  | 2  |
| 3          | 50'               |               |                      |         |        | '837      |        |                |          |      |          |  |  |  | 3  |
| 4          | 40'               |               |                      |         |        | '838      |        |                |          |      |          |  |  |  | 4  |
| 5          | 30'               |               |                      |         |        | '83A      |        |                |          |      |          |  |  |  | 5  |
| 6          | 30'               |               |                      |         |        |           |        |                |          |      | E2992    |  |  |  | 6  |
| 7          | 20'               |               |                      |         |        | '840      |        |                |          |      |          |  |  |  | 7  |
| 8          | 10'               |               |                      |         |        | '841      |        |                |          | X    |          |  |  |  | 8  |
| 9          | 10'               |               |                      |         |        |           |        |                |          |      | E2993    |  |  |  | 9  |
| 10         | 50ft              |               |                      |         |        | '842      | 278    |                |          |      | 278      |  |  |  | 10 |
| 11         |                   |               |                      |         |        |           |        |                |          |      |          |  |  |  | 11 |
| 12         |                   |               |                      |         |        |           |        |                |          |      |          |  |  |  | 12 |
| 1          |                   | Inline        |                      |         |        |           |        |                |          |      |          |  |  |  | 1  |

Recorder Initials:

| VESSEL      | CRUISE ID            | PROJECT & LEG               | CTD FileName:  | STATION NO.                             |          |         |
|-------------|----------------------|-----------------------------|--|---|----------|---------|
| OSCAR DYSON | DY2508               | EcoFOCI Fall Mooring        |  |   |          |         |
| CONC CAST # | DEG MIN              | LONGITUDE DEG MIN DAY MO YR | TIME (GMT) HR MIN                                      | DRY BULB (°C)                           |          |         |
| 6105701.097 | N 1412.743 W 31A4425 | 2336                        | .  | 95.100817327                            |          |         |
| SBE 9+      | FLUOR S/N            | WEATHER OBS:                | SFC/Bottom Temp.                                       | MAX DEPTH = 59 m                        |          |         |
| PRESS SN    | SBE43-Oxy (prime)    | REMARKS:                    |  |   |          |         |
| PRI TEMP SN | SBE43-Oxy (sec)      | Coldfront phone blown?      |  |   |          |         |
| SEC TEMP SN | Transmissometer      | Still Rough - 10 off Bottom |  |   |          |         |
| PRI COND SN | PAR S/N              |                             |  |   |          |         |
| SEC COND SN | O2 Trip Sensor No    |                             |  |   |          |         |
| No.         | DEPTH DESIRED        | Rosette Notes               | Sample Bottle Number Salt:Btl Nut.Btl O2:Btl DIC / ALK | Chloro GFF >10 micron Vol Flow Cyt eDNA | Comments | NIS No. |
| 1           | BOT ✓                |                             | 843 351  |   |          | 1       |
| 2           | 50'                  |                             | 844  | 278                                     |          | 2       |
| 3           | 40'                  |                             | 845  | 278                                     |          | 3       |
| 4           | 30'                  |                             | 846  | 278                                     |          | 4       |
| 5           | 20'                  |                             | 847  | 278                                     |          | 5       |
| 6           | 10' ✓                |                             | 848  | 278                                     | X        | 6       |
| 7           | Surf ✓               |                             | 849  | 278                                     |          | 7       |
| 8           |                      |                             |  |   |          | 8       |
| 9           |                      |                             |  |   |          | 9       |
| 10          |                      |                             |  |   |          | 10      |
| 11          |                      |                             |  |   |          | 11      |
| 12          |                      |                             |  |   |          | 12      |
| 1           | Inline               |                             | OB LC  | SW                                      | KM       | Sample  |

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|                       |  |                     |  |                                       |  |                       |  |                       |  |                |  |                   |  |              |  |                  |  |                    |  |              |  |      |  |       |  |       |  |     |  |  |  |
|-----------------------|--|---------------------|--|---------------------------------------|--|-----------------------|--|-----------------------|--|----------------|--|-------------------|--|--------------|--|------------------|--|--------------------|--|--------------|--|------|--|-------|--|-------|--|-----|--|--|--|
| VESSEL<br>OSCAR DYSON |  | CRUISE ID<br>DY2508 |  | PROJECT & LEG<br>EcoFOCI Fall Mooring |  | CTD FileName:         |  | STATION NO.<br>512 41 |  |                |  |                   |  |              |  |                  |  |                    |  |              |  |      |  |       |  |       |  |     |  |  |  |
| CONSC<br>CAST #       |  | LATITUDE            |  | LONGITUDE                             |  | TIME (GMT)            |  | DRY BULB              |  | RH             |  | Pressure          |  | WIND DIRN.   |  | WIND SPD.        |  | BOTTOM DEPTH       |  | STA. NAME/ID |  |      |  |       |  |       |  |     |  |  |  |
| 0125651.77N           |  | 16402.21W           |  | 015SEP25                              |  | 052412.60961000918217 |  | 70.4                  |  | M12            |  |                   |  |              |  |                  |  |                    |  |              |  |      |  |       |  |       |  |     |  |  |  |
| DEG                   |  | MIN                 |  | DEG                                   |  | MIN                   |  | DAY                   |  | MO             |  | YR                |  | HR           |  | MIN              |  | °C                 |  | %            |  | (mb) |  | (deg) |  | (kts) |  | (m) |  |  |  |
| SBE 9+                |  | FLUOR S/N           |  | SBE43-Oxy (prime)                     |  | SBE43-Oxy (sec)       |  | Transmissometer       |  | PAR S/N        |  | O2 Trip Sensor No |  | WEATHER OBS: |  | SFC/Bottom Temp. |  | MAX DEPTH = 64.3 m |  |              |  |      |  |       |  |       |  |     |  |  |  |
| PRESS SN              |  | PRI TEMP SN         |  | SEC TEMP SN                           |  | PRI COND SN           |  | SEC COND SN           |  | REMARKS:       |  |                   |  |              |  |                  |  |                    |  |              |  |      |  |       |  |       |  |     |  |  |  |
| No.                   |  | DEPTH               |  | Rosette Notes                         |  | Sample Bottle Number  |  | Chloro                |  | >10 micron Vol |  | Flow Cyt          |  | eDNA         |  | Comments         |  | Nils               |  |              |  |      |  |       |  |       |  |     |  |  |  |
| DESRED                |  | Salt Btl            |  | Nut Btl                               |  | O2 Btl                |  | DIC / ALK             |  | GFF            |  |                   |  |              |  |                  |  |                    |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 1                     |  | Bot                 |  |                                       |  | 957                   |  | 27/311                |  |                |  |                   |  | E2994        |  |                  |  | 1                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 2                     |  | Bot                 |  |                                       |  | 858                   |  | 315                   |  | X              |  | X                 |  |              |  |                  |  | 2                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 3                     |  | 50                  |  |                                       |  | 859                   |  | 315                   |  | X              |  | X                 |  |              |  |                  |  | 3                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 4                     |  | 40                  |  |                                       |  | 860                   |  | 266                   |  | X              |  | X                 |  |              |  |                  |  | 4                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 5                     |  | 30                  |  |                                       |  | 861                   |  | 375                   |  | X              |  | X                 |  |              |  |                  |  | 5                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 6                     |  | 30                  |  |                                       |  | 862                   |  | 375                   |  | X              |  | X                 |  |              |  |                  |  | 6                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 7                     |  | 20                  |  |                                       |  | 863                   |  | 375                   |  | X              |  | X                 |  |              |  |                  |  | 7                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 8                     |  | 10                  |  |                                       |  | 864                   |  | 385                   |  | X              |  | X                 |  |              |  |                  |  | 8                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 9                     |  | 10                  |  |                                       |  | 865                   |  | 385                   |  | X              |  | X                 |  |              |  |                  |  | 9                  |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 10                    |  | SUE                 |  |                                       |  | 866                   |  | 385                   |  | X              |  | X                 |  |              |  |                  |  | 10                 |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 11                    |  | SUE                 |  |                                       |  | 867                   |  | 385                   |  | X              |  | X                 |  |              |  |                  |  | 11                 |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 12                    |  | W                   |  |                                       |  | 868                   |  | 385                   |  | X              |  | X                 |  |              |  |                  |  | 12                 |  |              |  |      |  |       |  |       |  |     |  |  |  |
| 1                     |  | Inline              |  |                                       |  | EM                    |  | EM                    |  | JBL            |  | PM                |  |              |  |                  |  | 1                  |  |              |  |      |  |       |  |       |  |     |  |  |  |

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|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | S14 H1      |

|   |     |     |     |     |     |     |    |    |     |            |          |    |          |              |             |              |              |
|---|-----|-----|-----|-----|-----|-----|----|----|-----|------------|----------|----|----------|--------------|-------------|--------------|--------------|
| CONSC<br>CAST #                           | DEG | MIN | DEG | MIN | DAY | MO  | YR | HR | MIN | TIME (GMT) | DRY BULB | RH | Pressure | WIND<br>DIRN | WIND<br>SPD | BOTTOM DEPTH | STA. NAME/ID |
| 01459                                     | 11  | 89  | 171 | 29  | 03  | SEP | 25 | 04 | 06  | 10         | 70       | 92 | 1016     | 207          | 05          | 74.3         | M5S          |
| SPE 9+ _____ FLUOR S/N _____              |     |     |     |     |     |     |    |    |     |            |          |    |          |              |             |              |              |
| PRESS SN _____ SBE43-Oxy (prime) _____    |     |     |     |     |     |     |    |    |     |            |          |    |          |              |             |              |              |
| PRI TEMP SN _____ SBE43-Oxy (sec) _____   |     |     |     |     |     |     |    |    |     |            |          |    |          |              |             |              |              |
| SEC TEMP SN _____ Transmissometer _____   |     |     |     |     |     |     |    |    |     |            |          |    |          |              |             |              |              |
| PRI COND SN _____ PAR S/N _____           |     |     |     |     |     |     |    |    |     |            |          |    |          |              |             |              |              |
| SEC COND SN _____ O2 Temp Sensor No _____ |     |     |     |     |     |     |    |    |     |            |          |    |          |              |             |              |              |

REMARKS: M5 Box Section

WEATHER OBS: \_\_\_\_\_

SFC/BOTTOM Temp: \_\_\_\_\_

MAX DEPTH = 616 m

Recorder Initials: \_\_\_\_\_

| NIS | DEPTH  | Rosette Notes | Sample Bottle Number | Chloro  | >10 micron Vol | Flow Cyt  | eDNA | Comments | NIS |
|-----|--------|---------------|----------------------|---------|----------------|-----------|------|----------|-----|
| No. | DESRED |               | Salt Btl             | Nut Btl | O2 Btl         | DIC / ALK | GFF  |          | No. |
| 1   | Bot    |               |                      | 873     |                |           |      |          | 1   |
| 2   | Bot    |               |                      |         |                |           |      |          | 2   |
| 3   | 50     |               |                      | 874     |                |           | 278  |          | 3   |
| 4   | 40     |               |                      | 875     |                |           | 278  |          | 4   |
| 5   | 30     |               |                      |         |                |           |      |          | 5   |
| 6   | 30     |               |                      | 876     |                |           | 278  |          | 6   |
| 7   | 20     |               |                      | 877     |                |           | 278  |          | 7   |
| 8   | 10     |               |                      |         |                |           |      |          | 8   |
| 9   | 10     |               |                      | 878     |                |           | 278  | X        | 9   |
| 10  | 50M    |               |                      | 879     | 275            |           | 278  |          | 10  |
| 11  |        |               |                      |         |                |           |      |          | 11  |
| 12  |        |               |                      |         |                |           |      |          | 12  |
| 1   |        | Inline        |                      |         |                |           |      |          | 1   |

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[illegible]



| VESSEL      |  | CRUISE ID       |  | PROJECT & LEG        |  | CTD FileName:                   |  | STATION NO.      |  |                |          |           |          |              |              |     |
|-------------|--|-----------------|--|----------------------|--|---------------------------------|--|------------------|--|----------------|----------|-----------|----------|--------------|--------------|-----|
| OSCAR DYSON |  | DY2508          |  | EcoFOCI Fall Mooring |  |                                 |  | S16 H2           |  |                |          |           |          |              |              |     |
| CONC CAST # |  | LATITUDE        |  | LONGITUDE            |  | TIME (GMT)                      |  | DRY BULB         |  | RH             | Pressure | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID |     |
| DEG MIN     |  | MIN             |  | DEG MIN              |  | DAY MO YR                       |  | HR MIN           |  | (°C)           | (%)      | (mb)      | (deg)    | (kts)        | (m)          |     |
| 017         |  | N               |  | W                    |  | 2 5                             |  |                  |  |                |          |           |          |              |              |     |
| SEC 9+      |  | FLUOR S/N       |  | SBE43-Oxy (prime)    |  | WEATHER OBS:                    |  | SFC/Bottom Temp. |  | MAX DEPTH =    |          |           |          |              |              | m   |
| PRESS SN    |  | SBE43-Oxy (sec) |  | Transmissometer      |  | REMARKS:                        |  |                  |  |                |          |           |          |              |              |     |
| PRI TEMP SN |  | PAR S/N         |  | O2 Temp Sensor No    |  | MS CENTER STATION               |  |                  |  |                |          |           |          |              |              |     |
| SEC TEMP SN |  |                 |  |                      |  | CANCELLED AGAIN FOR PUMP JAMMED |  |                  |  |                |          |           |          |              |              |     |
| PRI COND SN |  |                 |  |                      |  | clogged vent, bubble in tubing  |  |                  |  |                |          |           |          |              |              |     |
| SEC COND SN |  |                 |  |                      |  |                                 |  |                  |  |                |          |           |          |              |              |     |
| No.         |  | DEPTH           |  | Rosette Notes        |  | Sample Bottle Number            |  | Chloro           |  | Flow Cyt       |          | eDNA      |          | Comments     |              | No. |
| DESRED      |  |                 |  |                      |  |                                 |  | GFF              |  | >10 micron Vol |          |           |          |              |              |     |
| 1           |  | 2               |  | 3                    |  | 4                               |  | 5                |  | 6              |          | 7         |          | 8            |              | 9   |
| 2           |  | 3               |  | 4                    |  | 5                               |  | 6                |  | 7              |          | 8         |          | 9            |              | 10  |
| 3           |  | 4               |  | 5                    |  | 6                               |  | 7                |  | 8              |          | 9         |          | 10           |              | 11  |
| 4           |  | 5               |  | 6                    |  | 7                               |  | 8                |  | 9              |          | 10        |          | 11           |              | 12  |
| 5           |  | 6               |  | 7                    |  | 8                               |  | 9                |  | 10             |          | 11        |          | 12           |              |     |
| 6           |  | 7               |  | 8                    |  | 9                               |  | 10               |  | 11             |          | 12        |          | 13           |              |     |
| 7           |  | 8               |  | 9                    |  | 10                              |  | 11               |  | 12             |          | 13        |          | 14           |              |     |
| 8           |  | 9               |  | 10                   |  | 11                              |  | 12               |  | 13             |          | 14        |          | 15           |              |     |
| 9           |  | 10              |  | 11                   |  | 12                              |  | 13               |  | 14             |          | 15        |          | 16           |              |     |
| 10          |  | 11              |  | 12                   |  | 13                              |  | 14               |  | 15             |          | 16        |          | 17           |              |     |
| 11          |  | 12              |  | 13                   |  | 14                              |  | 15               |  | 16             |          | 17        |          | 18           |              |     |
| 12          |  | 13              |  | 14                   |  | 15                              |  | 16               |  | 17             |          | 18        |          | 19           |              |     |
| 1           |  | 2               |  | 3                    |  | 4                               |  | 5                |  | 6              |          | 7         |          | 8            |              | 9   |
| 2           |  | 3               |  | 4                    |  | 5                               |  | 6                |  | 7              |          | 8         |          | 9            |              | 10  |
| 3           |  | 4               |  | 5                    |  | 6                               |  | 7                |  | 8              |          | 9         |          | 10           |              | 11  |
| 4           |  | 5               |  | 6                    |  | 7                               |  | 8                |  | 9              |          | 10        |          | 11           |              | 12  |
| 5           |  | 6               |  | 7                    |  | 8                               |  | 9                |  | 10             |          | 11        |          | 12           |              |     |
| 6           |  | 7               |  | 8                    |  | 9                               |  | 10               |  | 11             |          | 12        |          | 13           |              |     |
| 7           |  | 8               |  | 9                    |  | 10                              |  | 11               |  | 12             |          | 13        |          | 14           |              |     |
| 8           |  | 9               |  | 10                   |  | 11                              |  | 12               |  | 13             |          | 14        |          | 15           |              |     |
| 9           |  | 10              |  | 11                   |  | 12                              |  | 13               |  | 14             |          | 15        |          | 16           |              |     |
| 10          |  | 11              |  | 12                   |  | 13                              |  | 14               |  | 15             |          | 16        |          | 17           |              |     |
| 11          |  | 12              |  | 13                   |  | 14                              |  | 15               |  | 16             |          | 17        |          | 18           |              |     |
| 12          |  | 13              |  | 14                   |  | 15                              |  | 16               |  | 17             |          | 18        |          | 19           |              |     |
| 1           |  | 2               |  | 3                    |  | 4                               |  | 5                |  | 6              |          | 7         |          | 8            |              | 9   |
| 2           |  | 3               |  | 4                    |  | 5                               |  | 6                |  | 7              |          | 8         |          | 9            |              | 10  |
| 3           |  | 4               |  | 5                    |  | 6                               |  | 7                |  | 8              |          | 9         |          | 10           |              | 11  |
| 4           |  | 5               |  | 6                    |  | 7                               |  | 8                |  | 9              |          | 10        |          | 11           |              | 12  |
| 5           |  | 6               |  | 7                    |  | 8                               |  | 9                |  | 10             |          | 11        |          | 12           |              |     |
| 6           |  | 7               |  | 8                    |  | 9                               |  | 10               |  | 11             |          | 12        |          | 13           |              |     |
| 7           |  | 8               |  | 9                    |  | 10                              |  | 11               |  | 12             |          | 13        |          | 14           |              |     |
| 8           |  | 9               |  | 10                   |  | 11                              |  | 12               |  | 13             |          | 14        |          | 15           |              |     |
| 9           |  | 10              |  | 11                   |  | 12                              |  | 13               |  | 14             |          | 15        |          | 16           |              |     |
| 10          |  | 11              |  | 12                   |  | 13                              |  | 14               |  | 15             |          | 16        |          | 17           |              |     |
| 11          |  | 12              |  | 13                   |  | 14                              |  | 15               |  | 16             |          | 17        |          | 18           |              |     |
| 12          |  | 13              |  | 14                   |  | 15                              |  |                  |  |                |          |           |          |              |              |     |

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|                       |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  |                    |  |              |  |
|-----------------------|--|---------------------|--|---------------------------------------|--|----------------------|--|-----------------------|--|----------------|--|------------------|--|--------------|--|------------------|--|--------------------|--|--------------|--|
| VESSEL<br>OSCAR DYSON |  | CRUISE ID<br>DY2508 |  | PROJECT & LEG<br>EcoFOCI Fall Mooring |  | CTD FileName:        |  | STATION NO.<br>517 H1 |  |                |  |                  |  |              |  |                  |  |                    |  |              |  |
| CONSC<br>CAST #       |  | LATITUDE            |  | LONGITUDE                             |  | TIME (GMT)           |  | DRY BULB              |  | RH             |  | Pressure         |  | WIND DIRN    |  | WIND SPD         |  | BOTTOM DEPTH       |  | STA. NAME/ID |  |
| 0196004.63 N          |  | 17159.73 W          |  | 0355P25                               |  | 114809.7             |  | 088101508305          |  | 63.4           |  | MSN              |  |              |  |                  |  |                    |  |              |  |
| SBE 9+                |  | FLUOR S/N           |  | SBE43-Oxy (prime)                     |  | SBE43-Oxy (sec)      |  | Transducer            |  | PAR S/N        |  | O2 Trp Sensor No |  | WEATHER OBS: |  | SFC/Bottom Temp. |  | MAX DEPTH = 59.2 m |  |              |  |
| PRESS SN              |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  | REMARKS:     |  | MSN BOX STATION  |  |                    |  |              |  |
| PAR TEMP SN           |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  |                    |  |              |  |
| SEC TEMP SN           |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  |                    |  |              |  |
| PAR COND SN           |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  |                    |  |              |  |
| SEC COND SN           |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  |                    |  |              |  |
| No.                   |  | DEPTH               |  | Rosette Notes                         |  | Sample Bottle Number |  | Chloro                |  | >10 micron Vol |  | Flow Cyt         |  | eDNA         |  | Comments         |  | No.                |  | No.          |  |
| 1                     |  | Bot                 |  |                                       |  | 894                  |  | 298                   |  |                |  |                  |  |              |  |                  |  | 1                  |  | 1            |  |
| 2                     |  | 50                  |  |                                       |  | 895                  |  | 298                   |  |                |  |                  |  |              |  |                  |  | 2                  |  | 2            |  |
| 3                     |  | 40                  |  |                                       |  | 896                  |  | 298                   |  |                |  |                  |  |              |  |                  |  | 3                  |  | 3            |  |
| 4                     |  | 30                  |  |                                       |  | 899                  |  | 298                   |  |                |  |                  |  |              |  |                  |  | 4                  |  | 4            |  |
| 5                     |  | 20                  |  |                                       |  | 898                  |  | 298                   |  |                |  |                  |  |              |  |                  |  | 5                  |  | 5            |  |
| 6                     |  | 10                  |  |                                       |  | 899                  |  | 212                   |  |                |  | X                |  |              |  |                  |  | 6                  |  | 6            |  |
| 7                     |  | SURF                |  |                                       |  | 900                  |  | 298                   |  |                |  |                  |  |              |  |                  |  | 7                  |  | 7            |  |
| 8                     |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  | 8                  |  | 8            |  |
| 9                     |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  | 9                  |  | 9            |  |
| 10                    |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  | 10                 |  | 10           |  |
| 11                    |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  | 11                 |  | 11           |  |
| 12                    |  |                     |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  | 12                 |  | 12           |  |
| 1                     |  | Inline              |  |                                       |  |                      |  |                       |  |                |  |                  |  |              |  |                  |  | 1                  |  | 1            |  |

Recorder Initials:

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | S18 H1      |

|              |     |     |     |     |     |    |    |            |          |       |          |           |          |              |              |
|--------------|-----|-----|-----|-----|-----|----|----|------------|----------|-------|----------|-----------|----------|--------------|--------------|
| CONSC CAST # | DEG | MIN | DEG | MIN | DAY | MO | YR | TIME (GMT) | DRY BULB | RH    | Pressure | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID |
| 0205953      |     | 86  |     |     |     |    |    | 133309     | 30931014 | 11003 | 73.3     |           |          |              | MSW          |
|              |     |     |     |     |     |    |    |            |          |       |          |           |          |              |              |

|             |                   |                 |                  |                   |
|-------------|-------------------|-----------------|------------------|-------------------|
| SBE 9+      | FLUOR S/N         | WEATHER OBS:    | SFC/Bottom Temp. | MAX DEPTH = 68.3m |
| PRESS SN    | SBE43-Oxy (prime) | REMARKS:        |                  |                   |
| PRI TEMP SN | SBE43-Oxy (sec)   | MSW BOX STATION |                  |                   |
| SFC TEMP SN | Transmissometer   |                 |                  |                   |
| PRI COND SN | PAR S/N           |                 |                  |                   |
| SFC COND SN | O2 Temp Sensor No |                 |                  |                   |

|     |        |               |                                   |        |                |          |      |          |     |
|-----|--------|---------------|-----------------------------------|--------|----------------|----------|------|----------|-----|
| NIS | DEPTH  | Rosette Notes | Sample Bottle Number              | Chloro | >10 micron Vol | Flow Cyt | eDNA | Comments | NIS |
| No. | DESRED |               | Salt Btl Nut Btl O2 Btl DIC / ALK | GFE    |                |          |      |          | No. |

|    |        |  |         |     |  |  |       |  |    |
|----|--------|--|---------|-----|--|--|-------|--|----|
| 1  | Bot    |  |         |     |  |  | E3006 |  | 1  |
| 2  | Bot    |  | 901 343 |     |  |  |       |  | 2  |
| 3  | 50     |  | 902     | 278 |  |  |       |  | 3  |
| 4  | 40     |  | 903     | 276 |  |  |       |  | 4  |
| 5  | 30     |  | 904     | 228 |  |  | E3007 |  | 5  |
| 6  | 20     |  |         |     |  |  |       |  | 6  |
| 7  | 20     |  |         | 276 |  |  |       |  | 7  |
| 8  | 10     |  |         |     |  |  | E3008 |  | 8  |
| 9  | 10     |  | 906     | 278 |  |  |       |  | 9  |
| 10 | 0      |  | 907     | 278 |  |  |       |  | 10 |
| 11 |        |  |         |     |  |  |       |  | 11 |
| 12 |        |  |         |     |  |  |       |  | 12 |
| 1  | Inline |  |         |     |  |  |       |  | 1  |

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|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD Filename: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 580 H1      |

|             |                    |              |                      |             |      |             |           |          |              |              |
|-------------|--------------------|--------------|----------------------|-------------|------|-------------|-----------|----------|--------------|--------------|
| CONSC       | LATITUDE           | LONGITUDE    | TIME (GMT)           | DRY BULB    | RH   | Pressure    | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID |
| CAST #      | DEG MIN            | DEG MIN      | DAY MO YR            | HR MIN      | (°C) | (%) (mb)    | (deg)     | (kts)    | (m)          |              |
| 0226002     | 2131               | 1300         | 08 SEP 25            | 0257        |      | 76101328714 |           |          | 68           | 70m42        |
| SEC 9+      | FLUOR S/N          | WEATHER OBS: | SFC/Bottom Temp.     | MAX DEPTH = |      |             |           |          |              |              |
| PRESS SN    | SBE43-Oxy (prime)  | REMARKS:     | SALT 2.00C ON UPCAST |             |      |             |           |          |              |              |
| PRI TEMP SN | SBE43-Oxy (sec)    |              |                      |             |      |             |           |          |              |              |
| SEC TEMP SN | Transmissometer    |              |                      |             |      |             |           |          |              |              |
| PRI COND SN | PAR S/N            |              |                      |             |      |             |           |          |              |              |
| SEC COND SN | O2 Trip Sensor No. |              |                      |             |      |             |           |          |              |              |

Recorder Initials:

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |         |        | Chloro    | >10 micron Vol | Flow Cyt | eDNA | Comments |    |  | NIS |
|-----|---------|---------------|----------------------|---------|--------|-----------|----------------|----------|------|----------|----|--|-----|
| No. | DESIRED |               | Salt Btl             | Nut Btl | O2 Btl | DIC / ALK | GFF            |          |      |          |    |  | No. |
| 1   | BOT     |               |                      | 915     | 237    |           |                |          |      | E3012 →  |    |  | 1   |
| 2   | BOT     |               |                      |         |        |           |                |          |      |          |    |  | 2   |
| 3   | 50      |               |                      | 916     |        |           | 278            |          |      |          |    |  | 3   |
| 4   | 40      |               |                      | 917     |        |           | 278            |          |      |          |    |  | 4   |
| 5   | 30      |               |                      |         |        |           |                |          |      | E3013 →  |    |  | 5   |
| 6   | 30      |               |                      | 918     |        |           | 278            |          |      |          |    |  | 6   |
| 7   | 20      |               |                      | 919     |        |           | 278            |          |      |          |    |  | 7   |
| 8   | 10      |               |                      |         |        |           |                |          |      | E3014 →  |    |  | 8   |
| 9   | 10      |               |                      | 920     |        |           | 278            | X        |      |          |    |  | 9   |
| 10  | SURF    |               |                      | 921     |        |           | 278            |          |      |          |    |  | 10  |
| 11  |         |               |                      |         |        |           |                |          |      |          |    |  | 11  |
| 12  |         |               |                      |         |        |           |                |          |      |          |    |  | 12  |
| 1   |         | Intine        |                      |         |        |           | SW             |          |      | RM       | RM |  | 1   |

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| VESSEL                   |     | CRUISE ID |     | PROJECT & LEG        |     | CTD Filename: |    | STATION NO. |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
|--------------------------|-----|-----------|-----|----------------------|-----|---------------|----|-------------|----------|----|----------|-----------|----------|--------------|-------------------|------|----|----|---|------|----|----|---|
| OSCAR DYSON              |     | DY2508    |     | EcoFOCI Fall Mooring |     |               |    | 23341       |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| CONSC                    | DEG | LATITUDE  | DEG | LONGITUDE            | DAY | MO            | YR | TIME (GMT)  | DRY BLUB | RH | Pressure | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID      |      |    |    |   |      |    |    |   |
| 025                      | 60  | 54.41 N   | 1   | 73                   | 49  | 63            | W  | 04          | SEP      | 25 | 10       | 05        | 10       | 00           | 79                | 1013 | 27 | 61 | 2 | 80.9 | 70 | 14 | 8 |
| REMARKS:                 |     |           |     |                      |     |               |    |             |          |    |          |           |          |              | WEATHER OBS:      |      |    |    |   |      |    |    |   |
| SBE 9+ _____             |     |           |     |                      |     |               |    |             |          |    |          |           |          |              | SFC/BOTTOM Temp.  |      |    |    |   |      |    |    |   |
| PRESS SN _____           |     |           |     |                      |     |               |    |             |          |    |          |           |          |              | MAX DEPTH = 76.7m |      |    |    |   |      |    |    |   |
| PRI TEMP SN _____        |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| SEC TEMP SN _____        |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| PRI COND SN _____        |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| SEC COND SN _____        |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| SBE 43-Oxy (prime) _____ |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| SBE 43-Oxy (sec) _____   |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| Transmissometer _____    |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| PAR S/N _____            |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| 02 Temp Sensor No _____  |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| CHLORO OBS:              |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| GFF _____                |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| >10 micron Vol _____     |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| Flow Cyt _____           |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| eDNA _____               |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| Comments                 |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |
| No.                      |     |           |     |                      |     |               |    |             |          |    |          |           |          |              |                   |      |    |    |   |      |    |    |   |

| VESSEL          | Cruise ID         | PROJECT & LEG   | CTD Filename:                | STATION NO.  |
|-----------------|-------------------|---|------------------------------|--|
| Oscar Dyson     | DY2508            | EcoFOCI Fall Mooring                                  |                              | Sat H1   |
| CONSC<br>CAST # | DEG MIN LATITUDE  | DEG MIN LONGITUDE                                     | DAY MO YR TIME (GMT)         | DRY BULB RH Pressure WIND DIRN SPD BOTTOM DEPTH STA NAME /ID |
| 02661           | 04 . 86' N        | 17015 . 77' W   | 04 SEP 25                    | 1934 . 821015 28911 50 BS11                                  |
| SBE 9+          | FLOJOR S/N        | WEATHER OBS:  | SFC/Bottom Temp.             | MAX DEPTH = 45 m   |
| PRESS SN        | SBE43-Oxy (prime) | REMARKS:<br><i>BS-11 Moberly Site,<br/>No Samples</i> |                              |  |
| PRI TEMP SN     | SBE43-Oxy (sec)   |   |                              |  |
| SEC TEMP SN     | Transmissometer   |   |                              |  |
| PRI COND SN     | PAR S/N           |   |                              |  |
| SEC COND SN     | O2 Tmp Sensor No  |   |                              |  |
| NIS             | Rosette Notes     | Sample Bottle Number                                  | Chloro                       | GFF  |
| No.             | DEPTH DESIRED     | Salt Bot Nutt Bot O2 Bot DIC / ALK                    | >10 micron Vol Flow Cyt eDNA | Comments   |
| 1               |                   |   |                              |  |
| 2               |                   |   |                              |  |
| 3               |                   |   |                              |  |
| 4               |                   |   |                              |  |
| 5               |                   |   |                              |  |
| 6               |                   |   |                              |  |
| 7               |                   |   |                              |  |
| 8               |                   |   |                              |  |
| 9               |                   |   |                              |  |
| 10              |                   |   |                              |  |
| 11              |                   |   |                              |  |
| 12              |                   |   |                              |  |
| Inline          |                   |   |                              |  |

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 525 H1      |

|              |     |          |  |     |                    |  |     |    |     |            |    |     |          |      |    |     |          |      |           |       |          |       |              |     |                  |
|--------------|-----|----------|--|-----|--------------------|--|-----|----|-----|------------|----|-----|----------|------|----|-----|----------|------|-----------|-------|----------|-------|--------------|-----|------------------|
| CONSC CAST # | DEG | LATITUDE |  | DEG | LONGITUDE          |  | DAY | MO | YR  | TIME (GMT) | HR | MIN | DRY BULB | (°C) | RH | (%) | Pressure | (mb) | WIND DIRN | (deg) | WIND SPD | (kts) | BOTTOM DEPTH | (m) | STA. NAME/ID     |
| 2713         | 59  | 25       |  | N   | 16803              |  | 14  | 05 | SEP | 2          | 5  | 16  | 57       | 7.5  | 97 | 16  | 15       | 23   | 4         | 0     |          |       | 36           |     | M114             |
| SEC 9+       |     |          |  |     | FLUOR S/N          |  |     |    |     |            |    |     |          |      |    |     |          |      |           |       |          |       |              |     | MAX DEPTH = 33 m |
| PRESS SN     |     |          |  |     | SBE-43-Oxy (prime) |  |     |    |     |            |    |     |          |      |    |     |          |      |           |       |          |       |              |     |                  |
| PRI TEMP SN  |     |          |  |     | SBE-43-Oxy (sec)   |  |     |    |     |            |    |     |          |      |    |     |          |      |           |       |          |       |              |     |                  |
| SEC TEMP SN  |     |          |  |     | Transmissometer    |  |     |    |     |            |    |     |          |      |    |     |          |      |           |       |          |       |              |     |                  |
| PRI COND SN  |     |          |  |     | PAR S/N            |  |     |    |     |            |    |     |          |      |    |     |          |      |           |       |          |       |              |     |                  |
| SEC COND SN  |     |          |  |     | O2 Trip Sensor No  |  |     |    |     |            |    |     |          |      |    |     |          |      |           |       |          |       |              |     |                  |

|     |         |               |                      |          |         |           |        |                |  |          |      |          |     |     |
|-----|---------|---------------|----------------------|----------|---------|-----------|--------|----------------|--|----------|------|----------|-----|-----|
| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |          |         |           | Chloro | >10 micron Vol |  | Flow Cyt | eDNA | Comments |     | NIS |
| No. | DESIRED |               | Salt. Btl            | Nut. Btl | O2. Btl | DOC / ALK | GFF    |                |  |          |      |          | No. |     |
| 1   | BOT     |               |                      | 943      | 375     |           | 276    |                |  |          |      |          | 1   |     |
| 2   | 20      |               |                      | 941      |         |           | 278    |                |  |          |      |          | 2   |     |
| 3   | 10      |               |                      | 945      |         |           | 276    |                |  | X        |      |          | 3   |     |
| 4   | 0       |               |                      | 940      |         |           | 278    |                |  |          |      |          | 4   |     |
| 5   |         |               |                      |          |         |           |        |                |  |          |      |          | 5   |     |
| 6   |         |               |                      |          |         |           |        |                |  |          |      |          | 6   |     |
| 7   |         |               |                      |          |         |           |        |                |  |          |      |          | 7   |     |
| 8   |         |               |                      |          |         |           |        |                |  |          |      |          | 8   |     |
| 9   |         |               |                      |          |         |           |        |                |  |          |      |          | 9   |     |
| 10  |         |               |                      |          |         |           |        |                |  |          |      |          | 10  |     |
| 11  |         |               |                      |          |         |           |        |                |  |          |      |          | 11  |     |
| 12  |         |               |                      |          |         |           |        |                |  |          |      |          | 12  |     |
| 1   |         | Inline        |                      |          |         |           |        |                |  |          |      |          | 1   |     |

Recorder Initials:

REMARKS:

SFC/Bottom Temp

M14 Mooring site

| VESSEL                       |     |          |     |                   |    | CRUISE ID  |     |          |     |      |       | PROJECT & LEG        |     |           |   |          |    | CTD FileName: |    |              |      |    |    | STATION NO. |    |    |    |                    |  |
|------------------------------|-----|----------|-----|-------------------|----|------------|-----|----------|-----|------|-------|----------------------|-----|-----------|---|----------|----|---------------|----|--------------|------|----|----|-------------|----|----|----|--------------------|--|
| OSCAR DYSON                  |     |          |     |                   |    | DY2508     |     |          |     |      |       | EcoFOCI Fall Mooring |     |           |   |          |    |               |    |              |      |    |    | S-26 H-1    |    |    |    |                    |  |
| CONSC CAST #                 |     | LATITUDE |     | LONGITUDE         |    | TIME (GMT) |     | DRY BULB |     | RH   |       | Pressure             |     | WIND DIRN |   | WIND SPD |    | BOTTOM DEPTH  |    | STA. NAME/ID |      |    |    |             |    |    |    |                    |  |
| DEG                          | MIN | DEG      | MIN | DAY               | MO | HR         | MIN | (°C)     | (%) | (mb) | (deg) | (Kts)                | (m) |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| 02                           | 86  | 25       | .00 | N                 | 17 | 44         | 22  | 26       | W   | 07   | 55    | E                    | P   | 2         | 5 | 06       | 14 | 09            | .1 | 083          | 1001 | 34 | 81 | 8           | 72 | .6 | M8 | 20x2               |  |
| SBE 9+                       |     |          |     | FLUOR S/N         |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    | MAX DEPTH = 63.2 m |  |
| PRESS SN                     |     |          |     | SBE43-Oxy (prime) |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| PRT TEMP SN                  |     |          |     | SBE43-Oxy (sec)   |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| SEC TEMP SN                  |     |          |     | Transmissometer   |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| PRT COND SN                  |     |          |     | PAR S/N           |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| SEC COND SN                  |     |          |     | O2 Temp Sensor No |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| REMARKS:<br>MB N Box Station |     |          |     |                   |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| WEATHER OBS:                 |     |          |     |                   |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| SFC/Bottom Temp.             |     |          |     |                   |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |
| Recorder Initials:           |     |          |     |                   |    |            |     |          |     |      |       |                      |     |           |   |          |    |               |    |              |      |    |    |             |    |    |    |                    |  |

| VESSEL                                     | CRUISE ID     | PROJECT & LEG        | CTD Filename:  | STATION NO.   |    |
|--|---------------|----------------------|--|---|----|
| Oscar Dyson                                | DY2508        | EcoFOCI Fall Mooring |  | S27 H1  |    |
| CONC CAST #                                | DEG MIN       | LATITUDE             | DEG MIN LONGITUDE                                      | DAY MO YR TIME (GMT) DRY BULB RH Pressure WIND DIRN WIND SPD. BOTTOM DEPTH STA. NAME/ID |    |
| 0296211.96 <sup>N</sup>                    |               |                      | 12512.06 <sup>W</sup>                                  | 075 EP 2 5 0847 9.3 82100333515 79 MBok(  |    |
| SBE 9+                                     |               | FLODR S/N            |  |   |    |
| PRESS SN                                   |               | SBEA3-Oxy (ptime)    |  |   |    |
| PRI TEMP SN                                |               | SBEA3-Oxy (sec)      |  |   |    |
| SEC TEMP SN                                |               | Transmissometer      |  |   |    |
| PRI COND SN                                |               | PAR S/N              |  |   |    |
| SEC COND SN                                |               | Q2 Temp Sensor No    |  |   |    |
| REMARKS:<br>MB Moorings-Box 1 MBRV<br><br> |               |                      |  |   |    |
| WEATHER OBS:                               |               |                      |  |   |    |
| SFC/Bottom Temp.                           |               |                      |  |   |    |
| MAX DEPTH = 76 m                           |               |                      |  |   |    |
| No.  | DEPTH DESIRED | Rosette Notes        | Sample Bottle Number Salt.Btl Nut.Btl O2.Btl DIC / ALK | GFF Chloro GFF >10 micron Vol Flow Cyt eDNA Comments NIS No.                            |    |
| 1  | BOT           |                      | 954 955  | 271 278   | 1  |
| 2  | SO            |                      |  |   | 2  |
| 3  | 40            |                      | 956  | 278   | 3  |
| 4  | 30            |                      | 957  | 278   | 4  |
| 5  | 20            |                      | 958  | 278   | 5  |
| 6  | 10            |                      | 959  | 278   | 6  |
| 7  | D             |                      | 960  | 278   | 7  |
| 8  |               |                      |  |   | 8  |
| 9  |               |                      |  |   | 9  |
| 10   |               |                      |  |   | 10 |
| 11   |               |                      |  |   | 11 |
| 12   |               |                      |  |   | 12 |
| 1  |               | Inline               |  |   | 1  |

VESSEL OSCAR DYSON CRUISE ID DY2508 PROJECT & LEG EcoFOCI Fall Mooring CTD FileName: STATION NO. 575 H1

|                               |     |     |     |     |     |    |    |    |     |            |               |        |               |                 |                |                  |              |
|-------------------------------|-----|-----|-----|-----|-----|----|----|----|-----|------------|---------------|--------|---------------|-----------------|----------------|------------------|--------------|
| CONSC CAST #                  | DEG | MIN | DEG | MIN | DAY | MO | YR | HR | MIN | TIME (GMT) | DRY BULB (°C) | RH (%) | Pressure (mb) | WIND DIRN (deg) | WIND SPD (kts) | BOTTOM DEPTH (m) | STA. NAME/ID |
| 3661                          | 58  | 41  | 1   | 34  | 37  | 25 | W  | 07 | 56  | 09         | 25            | 84     | 1004          | 324             | 17             |                  | 75 M6        |
| SBE 9+ FLUOR S/N              |     |     |     |     |     |    |    |    |     |            |               |        |               |                 |                |                  |              |
| PRESS SN SBE 43-Oxy (prime)   |     |     |     |     |     |    |    |    |     |            |               |        |               |                 |                |                  |              |
| PRI TEMP SN SBE 43-Oxy (sec)  |     |     |     |     |     |    |    |    |     |            |               |        |               |                 |                |                  |              |
| SEC TEMP SN Transmissometer   |     |     |     |     |     |    |    |    |     |            |               |        |               |                 |                |                  |              |
| PRI COND SN PAR S/N           |     |     |     |     |     |    |    |    |     |            |               |        |               |                 |                |                  |              |
| SEC COND SN O2 Temp Sensor No |     |     |     |     |     |    |    |    |     |            |               |        |               |                 |                |                  |              |

WEATHER OBS: SFC/Bottom Temp. MAX DEPTH = 71 m

REMARKS: M6 Mooring - Box 3 M65

Recorder Initials:

| Nis | DEPTH   | Rosette Notes | Sample Bottle Number | Chloro | Flow Cyt  | edNA | Comments       | Nis |
|-----|---------|---------------|----------------------|--------|-----------|------|----------------|-----|
| No. | DESIRED | Salt Btl      | Nut Btl              | O2 Btl | DIC / ALK | GFF  | >10 micron Vol | No. |
| 1   | BOT     |               | 964                  |        |           | 278  |                | 1   |
| 2   | BOT     |               |                      |        |           |      |                | 2   |
| 3   | 50      |               | 962                  |        |           | 278  |                | 3   |
| 4   | 40      |               | 963                  |        |           | 278  |                | 4   |
| 5   | 30      |               |                      |        |           |      |                | 5   |
| 6   | 30      |               | 964                  |        |           | 278  |                | 6   |
| 7   | 20      |               | 965                  |        |           | 278  |                | 7   |
| 8   | 10      |               |                      |        |           |      |                | 8   |
| 9   | 10      |               | 966                  |        |           | 278  |                | 9   |
| 10  | 10      |               | 967 x333             |        |           | 278  |                | 10  |
| 11  |         |               |                      |        |           |      |                | 11  |
| 12  |         |               |                      |        |           |      |                | 12  |
| 1   |         | Inline        |                      |        |           |      |                | 1   |



| VESSEL                           |     | CRUISE ID       |     | PROJECT & LEG        |     | CTD FileName: |    | STATION NO.      |     |                  |           |                  |                        |                       |                     |              |
|----------------------------------|-----|-----------------|-----|----------------------|-----|---------------|----|------------------|-----|------------------|-----------|------------------|------------------------|-----------------------|---------------------|--------------|
| OSCAR DYSON                      |     | DY2508          |     | EcoFOCI Fall Mooring |     |               |    | 53041            |     |                  |           |                  |                        |                       |                     |              |
| CONSC<br>CAST #                  | DEG | LATITUDE<br>MIN | DEG | LONGITUDE<br>MIN     | DAY | MO            | YR | TIME (GMT)<br>HR | MIN | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |
| 0326211                          | 11  | 68N             | 174 | 40.84W               | 07  | 10            | 25 | 15               | 45  | 09.70            | 86        | 1005             | 30                     | 012                   | 73.9                | W5           |
| REMARKS:<br>W6 Mooring Site      |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| SFC/Bottom Temp.                 |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| MAX DEPTH = 68.4 m               |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| SBE 9+<br>FLUOR S/N              |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| PRESS SN<br>SBE43-Oxy (prime)    |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| PRI TEMP SN<br>SBE43-Oxy (sec)   |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| SEC TEMP SN<br>Transmissometer   |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| PRI COND SN<br>PAR S/N           |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| SEC COND SN<br>02 Temp Sensor No |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| Rosette Notes                    |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| Sample Bottle Number             |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| Chloro                           |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| GFF                              |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| > 10 micron Vol                  |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| Flow Cyt                         |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| eDNA                             |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| Comments                         |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| Nits                             |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |
| No.                              |     |                 |     |                      |     |               |    |                  |     |                  |           |                  |                        |                       |                     |              |



| VESSEL      | CRUISE ID | PROJECT & LEG        | STATION NO. |
|-------------|-----------|----------------------|-------------|
| Oscar Dyson | DY2508    | EcoFOCI Fall Mooring | S31 H1      |

| CONSC CAST # |     |             |     |     |     | LATITUDE |    |                   |    |     |      |     | LONGITUDE |       |       |     |   |              |    |    |    | TIME (GMT) |   |    |    |    | DRY BULB |    |  | RH |      | Pressure           |  | WIND DIRN |  | WIND SPD |  | BOTTOM DEPTH | STA. NAME/ID |
|--------------|-----|-------------|-----|-----|-----|----------|----|-------------------|----|-----|------|-----|-----------|-------|-------|-----|---|--------------|----|----|----|------------|---|----|----|----|----------|----|--|----|------|--------------------|--|-----------|--|----------|--|--------------|--------------|
| DEG          | MIN | SEC         | DEG | MIN | SEC | DAY      | MO | YR                | HR | MIN | (°C) | (%) | (mb)      | (deg) | (kts) | (m) |   |              |    |    |    |            |   |    |    |    |          |    |  |    |      |                    |  |           |  |          |  |              |              |
| 03           | 36  | 2           | 01  | .88 | N   | 17       | 43 | 9                 | 11 | 11  | W    | 08  | 5         | F     | P     | 2   | 5 | 06           | 22 | 08 | .2 | 99         | 3 | 10 | 10 | 26 | 3        | 10 |  |    | 75.5 | 7-8 m              |  |           |  |          |  |              |              |
|              |     | SBE 9+      |     |     |     |          |    | FLUOR S/N         |    |     |      |     |           |       |       |     |   | WEATHER OBS: |    |    |    |            |   |    |    |    |          |    |  |    |      | MAX DEPTH = 71.3 m |  |           |  |          |  |              |              |
|              |     | PRESS SN    |     |     |     |          |    | SBE43-Oxy (prime) |    |     |      |     |           |       |       |     |   | REMARKS:     |    |    |    |            |   |    |    |    |          |    |  |    |      |                    |  |           |  |          |  |              |              |
|              |     | PRI TEMP SN |     |     |     |          |    | SBE43-Oxy (sec)   |    |     |      |     |           |       |       |     |   |              |    |    |    |            |   |    |    |    |          |    |  |    |      |                    |  |           |  |          |  |              |              |
|              |     | SEC TEMP SN |     |     |     |          |    | Transmissometer   |    |     |      |     |           |       |       |     |   |              |    |    |    |            |   |    |    |    |          |    |  |    |      |                    |  |           |  |          |  |              |              |
|              |     | PRI COND SN |     |     |     |          |    | PAR S/N           |    |     |      |     |           |       |       |     |   |              |    |    |    |            |   |    |    |    |          |    |  |    |      |                    |  |           |  |          |  |              |              |
|              |     | SEC COND SN |     |     |     |          |    | O2 Trip Sensor No |    |     |      |     |           |       |       |     |   |              |    |    |    |            |   |    |    |    |          |    |  |    |      |                    |  |           |  |          |  |              |              |

| No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number |         |        |           | Choro |                |          |      | Comments |  |  |  |
|-----|---------------|---------------|----------------------|---------|--------|-----------|-------|----------------|----------|------|----------|--|--|--|
|     |               |               | Salt:Btl             | Nuc.Btl | O2:Btl | DIC / ALK | GFF   | >10 micron Vol | Flow Cyt | eDNA |          |  |  |  |
| 1   | BOT           |               |                      | 984     | X 366  |           |       |                |          |      |          |  |  |  |
| 2   | BOT           |               |                      |         |        |           |       |                |          |      |          |  |  |  |
| 3   | SD            |               |                      | 985     |        |           | 278   |                |          |      |          |  |  |  |
| 4   | HD            |               |                      | 986     |        |           | 278   |                |          |      |          |  |  |  |
| 5   | SD            |               |                      |         |        |           |       |                |          |      |          |  |  |  |
| 6   | SD            |               |                      | 987     |        |           | 278   |                |          |      |          |  |  |  |
| 7   | ZD            |               |                      | 988     |        |           | 278   |                |          |      |          |  |  |  |
| 8   | HD            |               |                      |         |        |           |       |                |          |      |          |  |  |  |
| 9   | HD            |               |                      | 989     |        |           | 278   |                |          |      |          |  |  |  |
| 10  | D             |               |                      | 990     |        |           | 278   |                |          |      |          |  |  |  |
| 11  |               |               |                      |         |        |           |       |                |          |      |          |  |  |  |
| 12  |               |               |                      |         |        |           |       |                |          |      |          |  |  |  |
| 1   | Inline        |               |                      |         |        |           |       |                |          |      |          |  |  |  |

Recorder Initials:

*[Signature]*

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD Filename: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 532H        |

|              |     |     |                    |     |     |     |    |    |     |              |               |        |                 |                  |                 |                   |              |
|--------------|-----|-----|--------------------|-----|-----|-----|----|----|-----|--------------|---------------|--------|-----------------|------------------|-----------------|-------------------|--------------|
| CONSC CAST # | DEG | MIN | DEG                | MIN | DAY | MO  | YR | HR | MIN | TIME (GMT)   | DRY BULB (°C) | RH (%) | Pressure (mb)   | WIND DIRN. (deg) | WIND SPD. (kts) | BOTTOM DEPTH (m)  | STA. NAME/ID |
| 0346156.63N  |     |     | 17421.52W          |     | 08  | SEP | 25 | 07 | 55  | 08.11        | 09.11         | 01.02  | 64.10           |                  |                 | 73.6              | 70MS5        |
| SBE 9+       |     |     | FLUOR S/N          |     |     |     |    |    |     | WEATHER OBS: |               |        | SFC/bottom Temp |                  |                 | MAX DEPTH = 68.9m |              |
| PRESS SN     |     |     | SBE43-Oxy (prime)  |     |     |     |    |    |     | REMARKS:     |               |        |                 |                  |                 |                   |              |
| PRI TEMP SN  |     |     | SBE43-Oxy (sec)    |     |     |     |    |    |     |              |               |        |                 |                  |                 |                   |              |
| SEC TEMP SN  |     |     | Transmissometer    |     |     |     |    |    |     |              |               |        |                 |                  |                 |                   |              |
| PRI COND SN  |     |     | PAR S/N            |     |     |     |    |    |     |              |               |        |                 |                  |                 |                   |              |
| SEC COND SN  |     |     | O2 Temp Sensor No. |     |     |     |    |    |     |              |               |        |                 |                  |                 |                   |              |

|         |               |               |                      |        |          |      |          |         |
|---------|---------------|---------------|----------------------|--------|----------|------|----------|---------|
| NIS No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number | Chloro | Flow Cyt | cdNA | Comments | NIS No. |
| 1       | ROT           |               | 991                  | 276    |          |      |          | 1       |
| 2       | 50            |               | 992                  | 276    |          |      |          | 2       |
| 3       | 40            |               | 993                  | 276    |          |      |          | 3       |
| 4       | 30            |               | 994                  | 276    |          |      |          | 4       |
| 5       | 20            |               | 995                  | 276    |          |      |          | 5       |
| 6       | 10            |               | 996                  | 276    |          |      |          | 6       |
| 7       | 0             |               | 997                  | 278    |          |      |          | 7       |
| 8       |               |               |                      |        |          |      |          | 8       |
| 9       |               |               |                      |        |          |      |          | 9       |
| 10      |               |               |                      |        |          |      |          | 10      |
| 11      |               |               |                      |        |          |      |          | 11      |
| 12      |               |               |                      |        |          |      |          | 12      |
| 1       |               | Inline        |                      |        |          |      |          | 1       |

Recorder Initials:

[illegible]

| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD Filename: | STATION NO. |
|-------------|-----------|----------------------|---------------|-------------|
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | S34 H-H     |

| CONSC<br>CAST # | DEG | LATITUDE<br>MIN | DEG | LONGITUDE<br>MIN | DAY | MO | YR        | TIME (GMT)<br>HR MIN | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND DIRN.<br>(deg) | WIND SPD.<br>(kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |
|-----------------|-----|-----------------|-----|------------------|-----|----|-----------|----------------------|------------------|-----------|------------------|---------------------|--------------------|---------------------|--------------|
| 63461           | N   | 43.74           | N   | 173.51           | 41  | W  | 08 SEP 25 | 1042                 | 08.8             | 084       | 1011             | 25                  | 814                | 711.7               | FOMUS3       |

| SBC 9+<br>PRESS SN | FLUOR S/N | SBE-4-Oxy (prime) | WEATHER OBS:<br>SFC/Bottom Temp. | MAX DEPTH = 66.4 m |
|--------------------|-----------|-------------------|----------------------------------|--------------------|
| PRI TEMP SN        |           | SBE-4-Oxy (sec)   |                                  |                    |
| SEC TEMP SN        |           | Transmissometer   |                                  |                    |
| PRI COND SN        |           | PAR S/N           |                                  |                    |
| SEC COND SN        |           | OZ Trip Sensor No |                                  |                    |

| No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number<br>Salt:Btl Nuc:Btl O2:Btl DIC / ALK | Chloro<br>GFF | >10 micron Vol | Flow Cyt | eDNA | Comments | Nis<br>No. |
|-----|---------------|---------------|---|---------------|----------------|----------|------|----------|------------|
| 1   | BDT           |               | 1005  |               |                |          |      |          | 1          |
| 2   | SD            |               | 1006  | 278           |                |          |      |          | 2          |
| 3   | UD            |               | 1007  | 278           |                |          |      |          | 3          |
| 4   | SD            |               | 1008  | 278           |                |          |      |          | 4          |
| 5   | SD            |               | 1009  | 278           |                |          |      |          | 5          |
| 6   | ID            |               | 1010  | 278           |                |          |      |          | 6          |
| 7   | D             |               | 1011  | 278           | X              |          |      |          | 7          |
| 8   |               |               |   |               |                |          |      |          | 8          |
| 9   |               |               |   |               |                |          |      |          | 9          |
| 10  |               |               |   |               |                |          |      |          | 10         |
| 11  |               |               |   |               |                |          |      |          | 11         |
| 12  |               |               |   |               |                |          |      |          | 12         |
| 1   | Inline        |               |   |               |                |          |      |          | 1          |

Recorder Initials:

[illegible]

| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
|-------------|-----------|----------------------|---------------|-------------|
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 53641       |

| CONSC CAST # | DEG | LATITUDE MIN | DEG | LONGITUDE MIN | DAY | MO  | YR | HR | MIN | (°C) | RH (%) | Pressure (mb) | WIND DIRN. (deg) | WIND SPD. (kts) | BOTTOM DEPTH (m) | STA. NAME/ID |
|--------------|-----|--------------|-----|---------------|-----|-----|----|----|-----|------|--------|---------------|------------------|-----------------|------------------|--------------|
| 03861        | 24  | 74 N         | 173 | 44.31 W       | 08  | SEP | 25 | 13 | 14  | 8.9  | 90     | 1011          | 257              | 7               |                  | 757 01M51    |

| SSE 9+      | FLUOR S/N | SBE43-Oxy (prime) | SBE43-Oxy (sec) | Transmissometer | PAR S/N | O2 Temp Sensor No. |
|-------------|-----------|-------------------|-----------------|-----------------|---------|--------------------|
| PRESS SN    |           |                   |                 |                 |         |                    |
| PR1 TEMP SN |           |                   |                 |                 |         |                    |
| SEC TEMP SN |           |                   |                 |                 |         |                    |
| PR1 COND SN |           |                   |                 |                 |         |                    |
| SEC COND SN |           |                   |                 |                 |         |                    |

| NIS No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number | Chloro | >10 micron Vol | Flow Cyt | aDNA | Comments | NIS No. |
|---------|---------------|---------------|----------------------|--------|----------------|----------|------|----------|---------|
| 1       | Bot           |               | 1019                 |        |                |          |      |          | 1       |
| 2       | 50            |               | 1020                 | 278    |                |          |      |          | 2       |
| 3       | 40            |               | 1021                 | 278    |                |          |      |          | 3       |
| 4       | 30            |               | 1022                 | 278    |                |          |      |          | 4       |
| 5       | 20            |               | 1023                 | 278    |                |          |      |          | 5       |
| 6       | 10            |               | 1024                 | 278    |                | X        |      |          | 6       |
| 7       | 0             |               | 1025                 | 305    | 278            |          |      |          | 7       |
| 8       |               |               |                      |        |                |          |      |          | 8       |
| 9       |               |               |                      |        |                |          |      |          | 9       |
| 10      |               |               |                      |        |                |          |      |          | 10      |
| 11      |               |               |                      |        |                |          |      |          | 11      |
| 12      |               |               |                      |        |                |          |      |          | 12      |
| 1       |               | Inline        |                      |        |                |          |      |          | 1       |

WEATHER OBS:

REMARKS:

SFC/Bottom Temp.

MAX DEPTH = 70 m

Recorder Initials:

[illegible]

[illegible]



| CONSC<br>CAST # |       | LATITUDE |     | LONGITUDE         |     | TIME (GMT) |    | DRY BULB     |    | RH  |      | Pressure         |      | WIND<br>DIRN. |       | WIND<br>SPD. |  | BOTTOM DEPTH |    | STA. NAME/ID |   |
|-----------------|-------|----------|-----|-------------------|-----|------------|----|--------------|----|-----|------|------------------|------|---------------|-------|--------------|--|--------------|----|--------------|---|
|                 |       | DEG      | MIN | DEG               | MIN | DAY        | MO | YR           | HR | MIN | (°C) | (%)              | (mb) | (deg)         | (kts) |              |  | (m)          |    |              |   |
| 04              | 16054 | 44       | 41  | 73                | 49  | 27         | 10 | 85           | 17 | 13  |      | 88               | 1010 | 358           | 03    |              |  | 81           | 70 | MY           | 8 |
| SBE 9+          |       |          |     | FLUOR S/N         |     |            |    | WEATHER OBS: |    |     |      | SFC/Bottom Temp. |      |               |       |              |  | MAX DEPTH =  |    | 77 m         |   |
| PRESS SN        |       |          |     | SBE43-Oxy (prime) |     |            |    | REMARKS:     |    |     |      |                  |      |               |       |              |  |              |    |              |   |
| PRI TEMP SN     |       |          |     | SBE43-Oxy (sec)   |     |            |    |              |    |     |      |                  |      |               |       |              |  |              |    |              |   |
| SEC TEMP SN     |       |          |     | Transmissometer   |     |            |    |              |    |     |      |                  |      |               |       |              |  |              |    |              |   |
| PRI COND SN     |       |          |     | PAR S/N           |     |            |    |              |    |     |      |                  |      |               |       |              |  |              |    |              |   |
| SEC COND SN     |       |          |     | 02 Temp Sensor No |     |            |    |              |    |     |      |                  |      |               |       |              |  |              |    |              |   |

RECOVERY SINCE WE DID THIS  
A FEW DAYS AGO - STD ONLY

[illegible]

| Nis No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number |         |        |           | Chloro |                |          |      |  | Comments |    |     |  |
|---------|---------------|---------------|----------------------|---------|--------|-----------|--------|----------------|----------|------|--|----------|----|-----|--|
|         |               |               | Salt.Btl             | Nut.Btl | O2.Btl | DIC / ALK | GFF    | >10 micron Vol | Flow Cyt | eDNA |  |          |    | No. |  |
| 1       | 807 ✓         |               |                      | 1040    |        |           | 278    |                |          |      |  |          | 1  |     |  |
| 2       | 50 ✓          |               |                      | 1041    |        |           | 278    |                |          |      |  |          | 2  |     |  |
| 3       | 40 ✓          |               |                      | 1042    |        |           | 278    |                |          |      |  |          | 3  |     |  |
| 4       | 30 ✓          |               |                      | 1043    |        |           | 278    |                |          |      |  |          | 4  |     |  |
| 5       | 20 ✓          |               |                      | 1044    |        |           | 278    |                |          |      |  |          | 5  |     |  |
| 6       | 10 ✓          |               |                      | 1045    |        |           | 278    |                |          | X    |  |          | 6  |     |  |
| 7       | 500 ✓         |               |                      | 1046    | 3500   |           | 278    |                |          |      |  |          | 7  |     |  |
| 8       |               |               |                      |         |        |           |        |                |          |      |  |          | 8  |     |  |
| 9       |               |               |                      |         |        |           |        |                |          |      |  |          | 9  |     |  |
| 10      |               |               |                      |         |        |           |        |                |          |      |  |          | 10 |     |  |
| 11      |               |               |                      |         |        |           |        |                |          |      |  |          | 11 |     |  |
| 12      |               |               |                      |         |        |           |        |                |          |      |  |          | 12 |     |  |
| 1       |               | Inline        |                      |         | 08 LC  |           | SW     |                |          | RM   |  |          | 1  |     |  |

| VESSEL             | CRUISE ID           | PROJECT & LEG        | CTD FileName:                     | STATION NO.       |
|--------------------|---------------------|----------------------|-----------------------------------|-------------------|
| OSCAR DYSON        | DY2508              | EcoFOCI Fall Mooring |                                   | S4041             |
| CONSC<br>CAST #    | LATITUDE<br>DEG MIN | LONGITUDE<br>DEG MIN | TIME (GMT)<br>HR MIN              | DIRY BULB<br>(°C) |
| 0426044.31N        | 7339.24W            | 0856P25              | 1831                              | .821011           |
| RH (%)             | Pressure (mb)       | WIND DIRN (deg)      | WIND SPD (kts)                    | BOTTOM DEPTH (m)  |
| 82                 | 1011                | 324                  | 3.3                               | 72-76M47          |
| STA. NAME/ID       |                     |                      |                                   |                   |
| MAX DEPTH = 68 m   |                     |                      |                                   |                   |
| SEC 9+<br>PRESS SN | FLUOR S/N           | WEATHER OBS:         | SFC/Bottom Temp.                  |                   |
| PRI TEMP SN        | SBE43-Oxy (prime)   | REMARKS:             |                                   |                   |
| SEC TEMP SN        | SBE43-Oxy (sec)     |                      |                                   |                   |
| PRI COND SN        | Transmissometer     |                      |                                   |                   |
| SEC COND SN        | PAR S/N             |                      |                                   |                   |
| O2 Trmp Sensor No  |                     |                      |                                   |                   |
| No.                | DEPTH               | Rosette Notes        | Sample Bottle Number              | Chloro            |
|                    | DESIRED             |                      | Salt.Btl Nut.Btl O2.Btl DIC / ALK | GFF               |
| 1                  | Bot                 |                      | 1047 368                          | >10 micron Vol    |
| 2                  | 50                  |                      | 1048                              | 278               |
| 3                  | 40                  |                      | 1049                              | 278               |
| 4                  | 30                  |                      | 1050                              | 278               |
| 5                  | 20                  |                      | 1051                              | 278               |
| 6                  | 10                  |                      | 1052                              | 278               |
| 7                  | 0                   |                      | 1053                              | 278               |
| 8                  |                     |                      |                                   |                   |
| 9                  |                     |                      |                                   |                   |
| 10                 |                     |                      |                                   |                   |
| 11                 |                     |                      |                                   |                   |
| 12                 |                     |                      |                                   |                   |
| 1                  |                     | Inline               | RM CB LC SW RM                    |                   |
| NIS                | Comments            | Recorder Initials:   |                                   |                   |
| No.                |                     |                      |                                   |                   |

| VESSEL   |          | CRUISE ID     |                      | PROJECT & LEG        |            | CTD FileName: |          | STATION NO.    |          |            |           |              |              |       |     |          |
|--|----------|---------------|----------------------|----------------------|------------|---------------|----------|----------------|----------|------------|-----------|--------------|--------------|-------|-----|----------|
| OSCAR DYSON  |          | DY2508        |                      | EcoFOCI Fall Mooring |            |               |          | 541 41         |          |            |           |              |              |       |     |          |
| CONSC<br>CAST #  | LATITUDE |               | LONGITUDE            |                      | TIME (GMT) |               | DRY BULB | RH             | Pressure | WIND DIR/L | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |       |     |          |
| 0436025.429  | DEG      | MIN           | DEG                  | MIN                  | DAY        | MO            | YR       | HR             | MIN      | (°C)       | (%)       | (mb)         | (deg)        | (kts) | (m) | 44-10M45 |
| SBE 9+ _____ FLUOR S/N _____<br>PRESS SN _____ SBE43-Oxy (prime) _____<br>PRI TEMP SN _____ SBE43-Oxy (sec) _____<br>SEC TEMP SN _____ Transmissometer _____<br>PRI COND SN _____ PAR S/N _____<br>SEC COND SN _____ O2 Temp Sensor No _____ |          |               |                      |                      |            |               |          |                |          |            |           |              |              |       |     |          |
| WEATHER OBS: _____<br>SFC/Bottom Temp. _____<br>MAX DEPTH = 61 m   |          |               |                      |                      |            |               |          |                |          |            |           |              |              |       |     |          |
| REMARKS:   |          |               |                      |                      |            |               |          |                |          |            |           |              |              |       |     |          |
| Recorder Initials: _____<br>_____<br>_____<br>_____<br>_____   |          |               |                      |                      |            |               |          |                |          |            |           |              |              |       |     |          |
| NIS  | DEPTH    | Rosette Notes | Sample Bottle Number |                      | Chloro     |               |          |                |          |            |           |              | Comments     |       |     |          |
| No.  | DESIRED  |               | Salt Btl             | Nut. Btl             | O2 Btl     | DIC / ALK     | GFF      | >10 micron Vol | Flow Cyt | eDNA       |           |              | No.          |       |     |          |
| 1  | Bot      |               |                      | 1054                 |            |               | 278      |                |          |            |           |              | 1            |       |     |          |
| 2  | 50       |               |                      | 1055                 |            |               | 278      |                |          |            |           |              | 2            |       |     |          |
| 3  | 40       |               |                      | 1056                 |            |               | 278      |                |          |            |           |              | 3            |       |     |          |
| 4  | 30       |               |                      | 1057                 |            |               | 278      |                |          |            |           |              | 4            |       |     |          |
| 5  | 20       |               |                      | 1058                 |            |               | 278      |                |          |            |           |              | 5            |       |     |          |
| 6  | 10       |               |                      | 1059                 |            |               | 278      |                | X        |            |           |              | 6            |       |     |          |
| 7  | Surf     |               |                      | 1060                 | 351        |               | 278      |                |          |            |           |              | 7            |       |     |          |
| 8  |          |               |                      |                      |            |               |          |                |          |            |           |              | 8            |       |     |          |
| 9  |          |               |                      |                      |            |               |          |                |          |            |           |              | 9            |       |     |          |
| 10   |          |               |                      |                      |            |               |          |                |          |            |           |              | 10           |       |     |          |
| 11   |          |               |                      |                      |            |               |          |                |          |            |           |              | 11           |       |     |          |
| 12   |          |               |                      |                      |            |               |          |                |          |            |           |              | 12           |       |     |          |
| 1  |          | Inline        |                      |                      |            |               | RM       |                | RM       |            |           |              | 1            |       |     |          |

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | Sta H-1     |

|                 |     |     |     |     |     |    |     |    |     |            |                  |           |                  |                    |                   |                     |              |       |
|-----------------|-----|-----|-----|-----|-----|----|-----|----|-----|------------|------------------|-----------|------------------|--------------------|-------------------|---------------------|--------------|-------|
| CONSC<br>CAST # | DEG | MIN | DEG | MIN | DAY | MO | YR  | HR | MIN | TIME (GMT) | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND DIRN<br>(deg) | WIND SPD<br>(kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |       |
| 0446006         |     | 24  | 17  | 31  | 9   | 08 | SEP | 2  | 5   | 23         | 16               |           | 78               | 10100              | 45                | 8.5                 | 71           | 70m43 |

|             |                   |              |                  |                  |
|-------------|-------------------|--------------|------------------|------------------|
| SBE 9+      | FLUOR S/N         | WEATHER OBS: | SFC/BOTTOM Temp. | MAX DEPTH = 66 m |
| PRESS SN    | SBE43-Oxy (prime) | REMARKS:     |                  |                  |
| PRI TEMP SN | SBE43-Oxy (sec)   |              |                  |                  |
| SEC TEMP SN | Transmissometer   |              |                  |                  |
| PRI COND SN | PAR S/N           |              |                  |                  |
| SEC COND SN | O2 Temp Sensor No |              |                  |                  |

|     |         |               |                      |        |                 |          |      |          |     |
|-----|---------|---------------|----------------------|--------|-----------------|----------|------|----------|-----|
| NIS | DEPTH   | Rosette Notes | Sample Bottle Number | Chloro | > 10 micron Vol | Flow Cyt | eDNA | Comments | NIS |
| No. | DESIRED |               | Salt Btl             | GFF    |                 |          |      |          | No. |

|    |        |  |      |     |  |   |  |  |    |
|----|--------|--|------|-----|--|---|--|--|----|
| 1  | Bot    |  | 1061 | 372 |  |   |  |  | 1  |
| 2  | 50     |  | 1062 | 278 |  |   |  |  | 2  |
| 3  | 40     |  | 1063 | 278 |  |   |  |  | 3  |
| 4  | 30     |  | 1064 | 278 |  |   |  |  | 4  |
| 5  | 20     |  | 1065 | 278 |  |   |  |  | 5  |
| 6  | 10     |  | 1066 | 278 |  | X |  |  | 6  |
| 7  | 50     |  | 1067 | 278 |  |   |  |  | 7  |
| 8  |        |  |      |     |  |   |  |  | 8  |
| 9  |        |  |      |     |  |   |  |  | 9  |
| 10 |        |  |      |     |  |   |  |  | 10 |
| 11 |        |  |      |     |  |   |  |  | 11 |
| 12 |        |  |      |     |  |   |  |  | 12 |
| 1  | Inline |  |      |     |  |   |  |  | 1  |

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | S43 41      |

|             |     |     |                   |     |     |     |    |    |     |      |    |            |           |          |              |                  |
|-------------|-----|-----|-------------------|-----|-----|-----|----|----|-----|------|----|------------|-----------|----------|--------------|------------------|
| CONSC       | DEG | MIN | DEG               | MIN | DAY | MO  | YR | HR | MIN | (°C) | RH | Pressure   | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID     |
| 0455958.740 |     |     | 17244.980         |     | 09  | SEP | 25 | 01 | 44  |      | 83 | 101022.712 |           |          | 48           | 70m41            |
| SBE 9+      |     |     | FLUOR S/N         |     |     |     |    |    |     |      |    |            |           |          |              | MAX DEPTH = 64 m |
| PRESS SN    |     |     | SBE43-Oxy (prime) |     |     |     |    |    |     |      |    |            |           |          |              |                  |
| PRI TEMP SN |     |     | SBE43-Oxy (sec)   |     |     |     |    |    |     |      |    |            |           |          |              |                  |
| SEC TEMP SN |     |     | Transmissometer   |     |     |     |    |    |     |      |    |            |           |          |              |                  |
| PRI COND SN |     |     | PAR S/N           |     |     |     |    |    |     |      |    |            |           |          |              |                  |
| SEC COND SN |     |     | O2 Temp Sensor No |     |     |     |    |    |     |      |    |            |           |          |              |                  |

REMARKS:

WEATHER OBS:

SFC/Bottom Temp:

Recorder Initials:

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |         |        |           | Chloro | Flow Cyt       |  |  |    | eDNA | Comments |  |  |  | NIS |
|-----|---------|---------------|----------------------|---------|--------|-----------|--------|----------------|--|--|----|------|----------|--|--|--|-----|
| No. | DESIRED |               | Salt Btl             | Nuc Btl | O2 Btl | DIC / ALK | GFF    | >10 micron Vol |  |  |    |      |          |  |  |  | No. |
| 1   | Bot     |               |                      | 1068    |        |           |        |                |  |  |    |      |          |  |  |  | 1   |
| 2   | 50      |               |                      | 1069    |        |           | 278    |                |  |  |    |      |          |  |  |  | 2   |
| 3   | 40      |               |                      | 1070    |        |           | 278    |                |  |  |    |      |          |  |  |  | 3   |
| 4   | 30      |               |                      | 1071    |        |           | 278    |                |  |  |    |      |          |  |  |  | 4   |
| 5   | 20      |               |                      | 1072    |        |           | 278    |                |  |  |    |      |          |  |  |  | 5   |
| 6   | 10      |               |                      | 1073    |        |           | 278    |                |  |  | X  |      |          |  |  |  | 6   |
| 7   | 0       |               |                      | 1074    | 365    |           | 278    |                |  |  |    |      |          |  |  |  | 7   |
| 8   |         |               |                      |         |        |           |        |                |  |  |    |      |          |  |  |  | 8   |
| 9   |         |               |                      |         |        |           |        |                |  |  |    |      |          |  |  |  | 9   |
| 10  |         |               |                      |         |        |           |        |                |  |  |    |      |          |  |  |  | 10  |
| 11  |         |               |                      |         |        |           |        |                |  |  |    |      |          |  |  |  | 11  |
| 12  |         |               |                      |         |        |           |        |                |  |  |    |      |          |  |  |  | 12  |
| 1   |         | Inline        |                      |         |        |           | RM     |                |  |  | RM |      |          |  |  |  | 1   |

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD Filename: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 544 H1      |

|             |                   |     |           |     |            |          |    |          |           |          |              |              |       |       |     |     |            |      |    |
|-------------|-------------------|-----|-----------|-----|------------|----------|----|----------|-----------|----------|--------------|--------------|-------|-------|-----|-----|------------|------|----|
| CONSC       | LATITUDE          |     | LONGITUDE |     | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID |       |       |     |     |            |      |    |
| CAST #      | DEG               | MIN | DEG       | MIN | DAY        | MO       | YR | HR       | MIN       | (°C)     | (%)          | (mb)         | (deg) | (kts) | (m) |     |            |      |    |
| 04659       | 54                | 69  | N         | 71  | 93         | 92       | W  | 09       | 5         | E        | P            | 2            | 5     | 0442  | 08  | 208 | 7100903817 | 69.4 | M5 |
| SBE 9+      | FLUOR S/N         |     |           |     |            |          |    |          |           |          |              |              |       |       |     |     |            |      |    |
| PRESS SN    | SBE43-Oxy (prine) |     |           |     |            |          |    |          |           |          |              |              |       |       |     |     |            |      |    |
| PRI TEMP SN | SBE43-Oxy (sec)   |     |           |     |            |          |    |          |           |          |              |              |       |       |     |     |            |      |    |
| SEC TEMP SN | Transmissometer   |     |           |     |            |          |    |          |           |          |              |              |       |       |     |     |            |      |    |
| PRI COND SN | PAR S/N           |     |           |     |            |          |    |          |           |          |              |              |       |       |     |     |            |      |    |
| SEC COND SN | O2 Trip Sensor No |     |           |     |            |          |    |          |           |          |              |              |       |       |     |     |            |      |    |

|                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| REMARKS:            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WEATHER OBS:        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SFC/Bottom Temp:    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MAX. DEPTH = 65.4 m |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |         |        |           | Chloro |  | >10 micron Vol |  | Flow Cyt | eDNA | Comments |  |  |  | NIS |
|-----|---------|---------------|----------------------|---------|--------|-----------|--------|--|----------------|--|----------|------|----------|--|--|--|-----|
| No. | DESIRED |               | Salt.Btl             | Nut.Btl | O2.Btl | DIC / ALK | GFF    |  |                |  |          |      |          |  |  |  | No. |
| 1   | Bot     |               |                      | 1075    | 266    |           | 278    |  |                |  | X        |      |          |  |  |  | 1   |
| 2   | 56      |               |                      | 1076    |        |           | 278    |  |                |  | X        |      |          |  |  |  | 2   |
| 3   | 40      |               |                      | 1077    |        |           | 278    |  |                |  | X        |      |          |  |  |  | 3   |
| 4   | 30      |               |                      | 1078    |        |           | 278    |  |                |  | X        |      |          |  |  |  | 4   |
| 5   | 20      |               |                      | 1079    |        |           | 278    |  |                |  | X        |      |          |  |  |  | 5   |
| 6   | 10      |               |                      | 1080    |        |           | 278    |  |                |  | X        |      |          |  |  |  | 6   |
| 7   | 0       |               |                      | 1081    |        |           | 278    |  |                |  | X        |      |          |  |  |  | 7   |
| 8   |         |               |                      |         |        |           |        |  |                |  |          |      |          |  |  |  | 8   |
| 9   |         |               |                      |         |        |           |        |  |                |  |          |      |          |  |  |  | 9   |
| 10  |         |               |                      |         |        |           |        |  |                |  |          |      |          |  |  |  | 10  |
| 11  |         |               |                      |         |        |           |        |  |                |  |          |      |          |  |  |  | 11  |
| 12  |         |               |                      |         |        |           |        |  |                |  |          |      |          |  |  |  | 12  |
| 1   | Inline  |               |                      |         |        |           | RL     |  |                |  | RM       |      |          |  |  |  | 1   |

| VESSEL   |          | CRUISE ID |           | PROJECT & LEG        |            | CTD FileName: |          | STATION NO. |          |              |             |              |              |       |     |    |    |      |       |
|--|----------|-----------|-----------|----------------------|------------|---------------|----------|-------------|----------|--------------|-------------|--------------|--------------|-------|-----|----|----|------|-------|
| OSCAR DYSON  |          | DY2508    |           | EcoFOCI Fall Mooring |            |               |          | 54544       |          |              |             |              |              |       |     |    |    |      |       |
| CONSC<br>CAST #  | LATITUDE |           | LONGITUDE |                      | TIME (GMT) |               | DRY BULB | RH          | Pressure | WIND<br>DIRN | WIND<br>SPD | BOTTOM DEPTH | STA. NAME/ID |       |     |    |    |      |       |
|  | DEG      | MIN       | DEG       | MIN                  | DAY        | MO            | YR       | .HR         | MIN      | (°C)         | (%)         | (mb)         | (deg)        | (kts) | (m) |    |    |      |       |
| 475  | 9        | 46        | 1         | 27                   | 06         | W             | 09       | 5           | 06       | 00           | 08          | 20           | 87           | 100   | 90  | 27 | 12 | 72.6 | 70M37 |
| SBE 9+ _____ FLUOR S/N _____                                 |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| PRESS SN _____ SBE43-Oxy (prime) _____                       |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| PRI TEMP SN _____ SBE43-Oxy (sec) _____                      |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| SEC TEMP SN _____ Transmissometer _____                      |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| PRI COND SN _____ PAR S/N _____                              |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| SEC COND SN _____ O2 Temp Sensor No _____                    |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| WEATHER OBS: _____ SFC/Bottom Temp. _____ MAX DEPTH = 68.8 m |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| REMARKS: _____   |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |
| Recorder Initials: _____                                     |          |           |           |                      |            |               |          |             |          |              |             |              |              |       |     |    |    |      |       |

| VESSEL       |  | CRUISE ID     |  | PROJECT & LEG        |  | CTD Filename:   |  | STATION NO.     |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
|--------------|--|---------------|--|----------------------|--|-----------------|--|-----------------|--|-----------|--|-------------------|--|----------------|--|------------------|--|--------------------|--|--------------|--|
| OSCAR DYSON  |  | DY2508        |  | EcoFOCI Fall Mooring |  |                 |  | 54641           |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| CONSC CAST # |  | LATITUDE      |  | LONGITUDE            |  | TIME (GMT)      |  | DRY BULB        |  | RH        |  | Pressure          |  | WIND DIR.      |  | WIND SPD.        |  | BOTTOM DEPTH       |  | STA. NAME/ID |  |
| 04859        |  | 42.78 N       |  | 71.08.01 W           |  | 0951            |  | 27.90881        |  | 00801817  |  | 72.2              |  | 70M36          |  |                  |  |                    |  |              |  |
| SBE 9+       |  | FLUOR S/N     |  | SBE43-Oxy (prime)    |  | SBE43-Oxy (sec) |  | Transmissometer |  | PAR S/N   |  | O2 Temp Sensor No |  | WEATHER OBS:   |  | SFC/Bottom Temp. |  | MAX DEPTH = 67.4 m |  |              |  |
| PRESS SN     |  |               |  |                      |  |                 |  |                 |  |           |  |                   |  | REMARKS:       |  |                  |  |                    |  |              |  |
| PRI TEMP SN  |  |               |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| SEC TEMP SN  |  |               |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| PRI COND SN  |  |               |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| SEC COND SN  |  |               |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| Nis          |  | Rosette Notes |  | Sample Bottle Number |  | Chloro          |  | Flow Cyt        |  | eDNA      |  | Comments          |  | Nis            |  |                  |  |                    |  |              |  |
| DEPT#        |  | DESIRID       |  | Salt Btl             |  | Nutr Btl        |  | O2 Btl          |  | DIC / ALK |  | GFF               |  | >10 micron Vol |  |                  |  |                    |  |              |  |
| 1            |  | BOT           |  |                      |  | 1089            |  | 286             |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| 2            |  | BOT           |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| 3            |  | 50            |  |                      |  | 1090            |  |                 |  |           |  | 278               |  |                |  |                  |  |                    |  |              |  |
| 4            |  | 40            |  |                      |  | 1091            |  |                 |  |           |  | 278               |  |                |  |                  |  |                    |  |              |  |
| 5            |  | 30            |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| 6            |  | 30            |  |                      |  | 1092            |  |                 |  |           |  | 278               |  |                |  |                  |  |                    |  |              |  |
| 7            |  | 20            |  |                      |  | 1093            |  |                 |  |           |  | 278               |  |                |  |                  |  |                    |  |              |  |
| 8            |  | 10            |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| 9            |  | 10            |  |                      |  | 1094            |  |                 |  |           |  | 278               |  |                |  |                  |  |                    |  |              |  |
| 10           |  | 0             |  |                      |  | 1095            |  |                 |  |           |  | 278               |  |                |  |                  |  |                    |  |              |  |
| 11           |  |               |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| 12           |  |               |  |                      |  |                 |  |                 |  |           |  |                   |  |                |  |                  |  |                    |  |              |  |
| 1            |  | Inline        |  |                      |  |                 |  |                 |  |           |  | RL                |  |                |  |                  |  |                    |  |              |  |



[illegible]

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 548 H1      |

|                   |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |
|-------------------|-----|-----|-----|-----|-----|----|----|----|-----|------------|---------------|--------|---------------|------------------|-----------------|------------------|--------------|-------|-------|
| CONSC CAST #      | DEG | MIN | DEG | MIN | DAY | MO | YR | HR | MIN | TIME (GMT) | DRY BULB (°C) | RH (%) | Pressure (mb) | WIND DIRN. (deg) | WIND SPD. (kts) | BOTTOM DEPTH (m) | STA. NAME/ID |       |       |
| 505926            |     | 02  | 1   | 30  | 54  | 58 | 09 | 5  | 09  | 10         | 08            | 61     | 0             | 08               | 01              | 2                | 24           | 711.2 | 70M34 |
| SBE 9+            |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |
| PRESS SN          |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |
| PRI TEMP SN       |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |
| SEC TEMP SN       |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |
| PRI COND SN       |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |
| SEC COND SN       |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |
| O2 Temp Sensor No |     |     |     |     |     |    |    |    |     |            |               |        |               |                  |                 |                  |              |       |       |

|                    |  |
|--------------------|--|
| FLUOR S/N          |  |
| SBE 43-Oxy (prime) |  |
| SBE 43-Oxy (sec)   |  |
| Transmissometer    |  |
| PAR S/N            |  |
| O2 Temp Sensor No  |  |

REMARKS:

WEATHER OBS:

SFC/BOTTOM Temp:

MAX DEPTH = 571.2m

Recorder Initials:

| NIS No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number | Chloro | >10 micron Vol | Flow Cyt | eDNA | Comments | NIS No. |
|---------|---------------|---------------|----------------------|--------|----------------|----------|------|----------|---------|
| 1       | BOT           |               | 1103                 | 292    |                |          |      |          | 1       |
| 2       | BOT           |               |                      |        |                |          |      |          | 2       |
| 3       | 50            |               | 1104                 | 236    |                |          |      |          | 3       |
| 4       | 10            |               | 1105                 | 236    |                |          |      |          | 4       |
| 5       | 30            |               |                      |        |                |          |      |          | 5       |
| 6       | 30            |               | 1106                 | 236    |                |          |      |          | 6       |
| 7       | 20            |               | 1107                 | 236    |                |          |      |          | 7       |
| 8       | 10            |               |                      |        |                |          |      |          | 8       |
| 9       | 10            |               | 1108                 | 236    |                |          |      |          | 9       |
| 10      | 0             |               | 1109                 | 236    |                |          |      |          | 10      |
| 11      |               |               |                      |        |                |          |      |          | 11      |
| 12      |               |               |                      |        |                |          |      |          | 12      |
| 1       |               | Inline        |                      |        |                |          |      |          | 1       |

[illegible]

[illegible]

| VESSEL       | CRUISE ID                                  | PROJECT & LEG        | CTD Filename:        | STATION NO.  |
|--------------|--|----------------------|----------------------|--|
| OSCAR DYSON  | DY2508                                     | EcoFOCI Fall Mooring |                      | 551 HH   |
| CONSC CAST # | DEG MIN LATITUDE                           | DEG MIN LONGITUDE    | DAY MO YR TIME (GMT) | DRY BULB RH Pressure WIND DIRN SPD BOTTOM DEPTH STA. NAME/ID |
| SBS          | 906.57 N                                   | 17014.90 W           | 095 F 19 2 S         | 142108.1108910073582265.37 DM31                              |
| SBE 9+       |  | FLUOR S/N            | WEATHER OBS:         | SFC/BOTTOM Temp. MAX DEPTH = 62.4 m                          |
| PRESS SN     |  | SBE43-Oxy (prime)    | REMARKS:             |  |
| PRI TEMP SN  |  | SBE43-Oxy (sec)      |                      |  |
| SEC TEMP SN  |  | Transmissometer      |                      |  |
| PRI COND SN  |  | PAR S/N              |                      |  |
| SEC COND SN  |  | O2 Temp Sensor No    |                      |  |
| NIS          | DEPTH Rosette Notes Sample Bottle Number   | Chloro               | GFF                  | >10 micron Vol Flow Cyt eDNA                                 |
| No.          | DESIRED Salt Btl Nutr Btl O2 Btl DIC / ALK |                      |                      |  |
| 1            | BOT  | 1124                 | 276                  |  |
| 2            | SD   | 1125                 | 276                  |  |
| 3            | 4D   | 1126                 | 276                  |  |
| 4            | 3D   | 1127                 | 276                  |  |
| 5            | 2D   | 1128                 | 276                  |  |
| 6            | 1D   | 1129                 | 276                  | X  |
| 7            | D  | 1130                 | 276                  |  |
| 8            |  |                      |                      |  |
| 9            |  |                      |                      |  |
| 10           |  |                      |                      |  |
| 11           |  |                      |                      |  |
| 12           |  |                      |                      |  |
| 1            | Inline                                     |                      |                      |  |

[illegible]

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD Filename: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 553 41      |

|   |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |           |
|---|----------|-----|-----------|-----|------------|----|----------|----|----------|------------|-----------|--------------|--------------|-------|-----|-----------|
| CONSC<br>CAST #                           | LATITUDE |     | LONGITUDE |     | TIME (GMT) |    | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |       |     |           |
| 0555846.583                               | DEG      | MIN | DEG       | MIN | DAY        | MO | YR       | HR | MIN      | (°C)       | (%)       | (mb)         | (deg)        | (kts) | (m) | 712 70m09 |
| SBE 9+ _____ FLUOR S/N _____              |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |           |
| PRESS SN _____ SBE43-Oxy (prime) _____    |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |           |
| PRI TEMP SN _____ SBE43-Oxy (sec) _____   |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |           |
| SEC TEMP SN _____ Transmitter _____       |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |           |
| PRI COND SN _____ PAR S/N _____           |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |           |
| SEC COND SN _____ O2 Trip Sensor No _____ |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |           |

WEATHER OBS: \_\_\_\_\_

SFC/BOTTOM Temp \_\_\_\_\_

MAX DEPTH = 67 m

REMARKS: \_\_\_\_\_

Recorder Initials: \_\_\_\_\_

| Nis | DEPTH   | Rosette Notes | Sample Bottle Number |         |        |           | Chloro |                |          |      |  |  |  |  |  | Comments | Nis |
|-----|---------|---------------|----------------------|---------|--------|-----------|--------|----------------|----------|------|--|--|--|--|--|----------|-----|
| No. | DESIRED |               | Salt.Btl             | Nuc.Btl | O2.Btl | DIC / ALK | GFF    | >10 micron Vol | Flow Cyt | eDNA |  |  |  |  |  |          | No. |
| 1   | BOT     |               |                      | 1138    |        |           | 278    |                |          |      |  |  |  |  |  |          | 1   |
| 2   | 50      |               |                      | 1139    |        |           | 278    |                |          |      |  |  |  |  |  |          | 2   |
| 3   | 40      |               |                      | 1140    |        |           | 278    |                |          |      |  |  |  |  |  |          | 3   |
| 4   | 30      |               |                      | 1141    |        |           | 278    |                |          |      |  |  |  |  |  |          | 4   |
| 5   | 20      |               |                      | 1142    |        |           | 278    |                |          |      |  |  |  |  |  |          | 5   |
| 6   | 10      |               |                      | 1143    |        |           | 278    |                | X        |      |  |  |  |  |  |          | 6   |
| 7   | SVT     |               |                      | 1144    | 350    |           | 278    |                |          |      |  |  |  |  |  |          | 7   |
| 8   |         |               |                      |         |        |           |        |                |          |      |  |  |  |  |  |          | 8   |
| 9   |         |               |                      |         |        |           |        |                |          |      |  |  |  |  |  |          | 9   |
| 10  |         |               |                      |         |        |           |        |                |          |      |  |  |  |  |  |          | 10  |
| 11  |         |               |                      |         |        |           |        |                |          |      |  |  |  |  |  |          | 11  |
| 12  |         |               |                      |         |        |           |        |                |          |      |  |  |  |  |  |          | 12  |
| 1   | Inline  |               |                      | AB      | LG     |           | SW     |                | RM       |      |  |  |  |  |  |          | 1   |

|             |  |           |  |                      |  |               |  |             |  |
|-------------|--|-----------|--|----------------------|--|---------------|--|-------------|--|
| VESSEL      |  | CRUISE ID |  | PROJECT & LEG        |  | CTD FileName: |  | STATION NO. |  |
| OSCAR DYSON |  | DY2508    |  | EcoFOCI Fall Mooring |  |               |  | 554 H1      |  |

  

| CONSC<br>CAST # | LATITUDE |     | LONGITUDE |     | TIME (GMT)   | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND<br>DIRN.<br>(deg) | WIND<br>SPD.<br>(kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |
|-----------------|----------|-----|-----------|-----|--------------|------------------|-----------|------------------|------------------------|-----------------------|---------------------|--------------|
|                 | DEG      | MIN | DEG       | MIN |              |                  |           |                  |                        |                       |                     |              |
| 05658           | 36       | 36  | 170       | 16  | 24509 SEP 25 | 18.54            |           | 871              | 1007.355               | 26                    | 71                  | 70m28        |

  

|             |                   |  |                  |                 |
|-------------|-------------------|--|------------------|-----------------|
| SBE 9+      | FLUOR S/N         | WEATHER OBS:                             | SFC/Bottom Temp. | MAX DEPTH = 65m |
| PRESS SN    | SBE43-Oxy (prime) | REMARKS:                                 |                  |                 |
| PRI TEMP SN | SBE43-Oxy (sec)   | Messed " "                               |                  |                 |
| SEC TEMP SN | Transmissometer   | Pressure Salt Grog Jelly on HPCAST @ 20m |                  |                 |
| PRI COND SN | PAR S/N           |  |                  |                 |
| SEC COND SN | O2 Trip Sensor No |  |                  |                 |

  

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |         | Chloro | >10 micron Vol | Flow Cyt | dDNA | Comments | NIS |
|-----|---------|---------------|----------------------|---------|--------|----------------|----------|------|----------|-----|
| No. | DESIRED |               | Salt Btl             | Nut Btl | O2 Btl | DIC / ALK      | GFF      |      |          | No. |
| 1   | Bot     |               |                      | 1145    | 212    |                |          |      |          | 1   |
| 2   | Bot     |               |                      |         |        |                |          |      |          | 2   |
| 3   | 50      |               |                      | 1146    |        |                | 278      |      | E3010    | 3   |
| 4   | 40      |               |                      | 1147    |        |                | 278      |      |          | 4   |
| 5   | 30      |               |                      |         |        |                |          |      | E3059    | 5   |
| 6   | 30      |               |                      | 1148    |        |                | 278      |      |          | 6   |
| 7   | 20      |               |                      | 1149    |        |                | 278      |      |          | 7   |
| 8   | 10      |               |                      |         |        |                |          |      | E3058    | 8   |
| 9   | 10      |               |                      | 1150    |        |                | 278      |      | X        | 9   |
| 10  | 50      |               |                      | 1151    |        |                | 278      |      |          | 10  |
| 11  |         |               |                      |         |        |                |          |      |          | 11  |
| 12  |         |               |                      |         |        |                |          |      |          | 12  |
| 1   |         | Inline        |                      |         |        |                |          |      | LB LB SW |     |

  

Recorder Initials:



[illegible]

|             |           |                      |                |             |
|-------------|-----------|----------------------|----------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD File Name: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |                |             |

|                               |     |          |    |     |           |    |            |          |    |          |           |          |              |              |
|-------------------------------|-----|----------|----|-----|-----------|----|------------|----------|----|----------|-----------|----------|--------------|--------------|
| CONSC CAST #                  | DEG | LATITUDE |    | DEG | LONGITUDE |    | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID |
| 058                           | 58  | 16       | 73 | 17  | 05        | 70 | 09         | SEP      | 22 | 25       | 87        | 1047     | 350          | 210          |
| SBE 9+ FLUOR S/N              |     |          |    |     |           |    |            |          |    |          |           |          |              |              |
| PRESS SN SBE43-Oxy (prime)    |     |          |    |     |           |    |            |          |    |          |           |          |              |              |
| PRI TEMP SN SBE43-Oxy (sec)   |     |          |    |     |           |    |            |          |    |          |           |          |              |              |
| SEC TEMP SN Transmissometer   |     |          |    |     |           |    |            |          |    |          |           |          |              |              |
| PRI COND SN PAR S/N           |     |          |    |     |           |    |            |          |    |          |           |          |              |              |
| SEC COND SN O2 Temp Sensor No |     |          |    |     |           |    |            |          |    |          |           |          |              |              |

WEATHER OBS:

REMARKS:

SFC/Bottom Temp

MAX DEPTH = 60 m

Recorder Initials:

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |         |        | Chloro    | >10 micron Vol |  |  | Flow Cyt | eDNA  | Comments |  |  | NIS |
|-----|---------|---------------|----------------------|---------|--------|-----------|----------------|--|--|----------|-------|----------|--|--|-----|
| No  | DESIRED |               | Salt Btl             | Nut Btl | O2 Btl | DIC / ALK | GFF            |  |  |          |       |          |  |  | No  |
| 1   | BOT     |               |                      | 1159    | 343    |           |                |  |  |          |       |          |  |  | 1   |
| 2   | BOT     |               |                      |         |        |           | 278            |  |  |          | E3061 |          |  |  | 2   |
| 3   | 50      |               |                      | 1160    |        |           |                |  |  |          |       |          |  |  | 3   |
| 4   | 40      |               |                      | 1161    |        |           | 278            |  |  |          | E3062 |          |  |  | 4   |
| 5   | 30      |               |                      |         |        |           |                |  |  |          |       |          |  |  | 5   |
| 6   | 30      |               |                      | 1162    |        |           | 278            |  |  |          |       |          |  |  | 6   |
| 7   | 20      |               |                      | 1163    |        |           | 278            |  |  |          |       |          |  |  | 7   |
| 8   | 10      |               |                      |         |        |           |                |  |  |          | E3063 |          |  |  | 8   |
| 9   | 10      |               |                      | 1164    |        |           | 278            |  |  | X        |       |          |  |  | 9   |
| 10  | 50      |               |                      | 1165    |        |           | 278            |  |  |          |       |          |  |  | 10  |
| 11  |         |               |                      |         |        |           |                |  |  |          |       |          |  |  | 11  |
| 12  |         |               |                      |         |        |           |                |  |  |          |       |          |  |  | 12  |
| 1   |         | Inline        |                      |         | 28     | 16        | SW             |  |  | RM       | RM    |          |  |  | 1   |

Full water freeze  
@ 1300 g/15

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD Filename: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               |             |

|              |     |          |     |                    |                                       |          |    |                  |            |           |              |              |
|--------------|-----|----------|-----|--------------------|---------------------------------------|----------|----|------------------|------------|-----------|--------------|--------------|
| CONSC CAST # | DEG | LATITUDE | DEG | LONGITUDE          | TIME (GMT)                            | DRY BULB | RH | Pressure         | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |
| 059          | 57  | 55.80    | 16  | 19.22              | 2105                                  | 52       |    | 751.013          | 341        | 25        |              |              |
| SBE 9+       |     |          |     | FLUOR S/N          | WEATHER OBS:                          |          |    | SFC/Bottom Temp. |            |           |              |              |
| PRESS SN     |     |          |     | SBE43-Oxy (prime)  | REMARKS:                              |          |    |                  |            |           |              |              |
| PRI TEMP SN  |     |          |     | SBE43-Oxy (sec)    | 10m22 - 14m                           |          |    |                  |            |           |              |              |
| SEC TEMP SN  |     |          |     | Transmissometer    | AFSC Cueselles Bayo Puerto Cans/Canas |          |    |                  |            |           |              |              |
| PRI COND SN  |     |          |     | PAR S/N            |                                       |          |    |                  |            |           |              |              |
| SEC COND SN  |     |          |     | O2 Temp Sensor No. |                                       |          |    |                  |            |           |              |              |

Recorder Initials:

| Nis No. | DEPTH DESIRED | Rosette Notes | Sample Bottle Number | Chloro | >10 micron Vol | Flow Cyt | eDNA  | Comments | Nis No. |
|---------|---------------|---------------|----------------------|--------|----------------|----------|-------|----------|---------|
| 1       | 30            | ✓             | 1166                 | 278    |                |          | E3064 |          | 1       |
| 2       | 30            | ✓             | 1167                 | 278    |                |          | E3064 |          | 2       |
| 3       | 40            | ✓             | 1168                 | 278    |                |          |       |          | 3       |
| 4       | 30            | ✓             | 1169                 | 278    |                |          | E3065 |          | 4       |
| 5       | 30            | ✓             | 1170                 | 278    |                |          |       |          | 5       |
| 6       | 30            | ✓             | 1171                 | 278    |                |          | E3066 |          | 6       |
| 7       | 30            | ✓             | 1172                 | 278    |                |          |       |          | 7       |
| 8       | 30            | ✓             | 1173                 | 278    |                |          |       |          | 8       |
| 9       | 30            | ✓             | 1174                 | 278    |                |          |       |          | 9       |
| 10      | 30            | ✓             | 1175                 | 278    |                |          |       |          | 10      |
| 11      | 30            | ✓             | 1176                 | 278    |                |          |       |          | 11      |
| 12      | 30            | ✓             | 1177                 | 278    |                |          |       |          | 12      |
| 1       | 30            | ✓             | 1178                 | 278    |                |          |       |          | 1       |

| VESSEL             |          | CRUISE ID     |                      | PROJECT & LEG        |              | CTD Filename: |                | STATION NO. |          |           |          |              |              |       |                  |                  |     |
|--------------------|----------|---------------|----------------------|----------------------|--------------|---------------|----------------|-------------|----------|-----------|----------|--------------|--------------|-------|------------------|------------------|-----|
| OSCAR DYSON        |          | DY2508        |                      | EcoFOCI Fall Mooring |              |               |                |             |          |           |          |              |              |       |                  |                  |     |
| CONSC              | LATITUDE |               | LONGITUDE            |                      | TIME (GMT)   |               | DRY BULB       | RH          | Pressure | WIND DIRN | WIND SPD | BOTTOM DEPTH | STA. NAME/ID |       |                  |                  |     |
| CAST #             | DEG      | MIN           | DEG                  | MIN                  | DAY          | MO            | YR             | HR          | MIN      | (°C)      | (%)      | (mb)         | (deg)        | (kts) | (m)              |                  |     |
| 060                | 57       | 38            | 91                   | 60                   | 51           | 7             | 10             | SEP         | 20       | 26        |          | 74           | 1013         | 335   | 24               | 68               | M45 |
| SBE 9+             |          |               | FLUOR S/N            |                      | WEATHER OBS: |               |                |             |          |           |          |              |              |       | SFC/Bottom Temp. | MAX DEPTH = 59 m |     |
| PRESS SN           |          |               | SBE43-Oxy (prime)    |                      | REMARKS:     |               |                |             |          |           |          |              |              |       | 70M19-M45        |                  |     |
| PRI TEMP SN        |          |               | SBE43-Oxy (sec)      |                      |              |               |                |             |          |           |          |              |              |       |                  |                  |     |
| SEC TEMP SN        |          |               | Transmissometer      |                      |              |               |                |             |          |           |          |              |              |       |                  |                  |     |
| PRI COND SN        |          |               | PAR S/N              |                      |              |               |                |             |          |           |          |              |              |       |                  |                  |     |
| SEC COND SN        |          |               | O2 Temp Sensor No    |                      |              |               |                |             |          |           |          |              |              |       |                  |                  |     |
| Recorder Initials: |          |               |                      |                      |              |               |                |             |          |           |          |              |              |       |                  |                  |     |
| NIS                | DEPTH    | Rosette Notes | Sample Bottle Number |                      | Chloro       |               | >10 micron Vol |             | Flow Cyt | eDNA      | Comments |              |              |       |                  | NIS              |     |
| No.                | DESIRED  |               | Salt:Btl             | Nut:Btl              | O2:Btl       | DIC / ALK     | GFF            |             |          |           |          |              |              |       |                  | No.              |     |
| 1                  | Bot      |               |                      | 1173                 | 283          |               |                |             |          |           |          |              |              |       |                  | 1                |     |
| 2                  | Bot      |               |                      |                      |              |               | 278            |             |          | E3067     |          |              |              |       |                  | 2                |     |
| 3                  | 50       |               |                      | 1174                 |              |               |                |             |          |           |          |              |              |       |                  | 3                |     |
| 4                  | 40       |               |                      | 1175                 |              |               | 278            |             |          |           |          |              |              |       |                  | 4                |     |
| 5                  | 30       |               |                      |                      |              |               |                |             |          | E3068     |          |              |              |       |                  | 5                |     |
| 6                  | 30       |               |                      | 1176                 |              |               | 278            |             |          |           |          |              |              |       |                  | 6                |     |
| 7                  | 20       |               |                      | 1177                 |              |               | 278            |             |          |           |          |              |              |       |                  | 7                |     |
| 8                  | 10       |               |                      |                      |              |               |                |             |          | E3069     |          |              |              |       |                  | 8                |     |
| 9                  | 10       |               |                      | 1178                 |              |               | 278            |             |          |           | X        |              |              |       |                  | 9                |     |
| 10                 | 50       |               |                      | 1179                 |              |               | 278            |             |          |           |          |              |              |       |                  | 10               |     |
| 11                 |          |               |                      |                      |              |               |                |             |          |           |          |              |              |       |                  | 11               |     |
| 12                 |          |               |                      |                      |              |               |                |             |          |           |          |              |              |       |                  | 12               |     |
| 1                  |          | Inline        |                      | RM                   | LC           | LC            |                | SW          |          |           | RM       | CB           |              |       |                  | 1                |     |

[illegible]

| VESSEL             |  | CRUISE ID         |  | PROJECT & LEG        |  | CTD FileName:        |  | STATION NO.      |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
|--------------------|--|-------------------|--|----------------------|--|----------------------|--|------------------|--|-------------|--|-----------|--|------------|--|----------------|--|--------------|--|--------------|--|-----|--|
| OSCAR DYSON        |  | DY2508            |  | EcoFOCI Fall Mooring |  |                      |  | 56041            |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
| CONSC CAST #       |  | LATITUDE          |  | LONGITUDE            |  | TIME (GMT)           |  | DRY BULB         |  | RH          |  | Pressure  |  | WIND DIRN. |  | WIND SPD.      |  | BOTTOM DEPTH |  | STA. NAME/ID |  |     |  |
| 0625803.809        |  | 16844.138         |  | 11381                |  | SEP 25               |  | 0152             |  | .           |  | 751014    |  | 34622      |  |                |  | 69           |  | M4N          |  |     |  |
| SBE 9+             |  | FLUOR S/N         |  | WEATHER OBS:         |  | REMARKS:             |  | SFC/Bottom Temp. |  | MAX DEPTH = |  |           |  |            |  |                |  |              |  |              |  |     |  |
| PRESS SN           |  | SBE43-Oxy (prime) |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
| PRT TEMP SN        |  | SBE43-Oxy (sec)   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
| SEC TEMP SN        |  | Transmissometer   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
| PRT COND SN        |  | PAR S/N           |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
| SEC COND SN        |  | O2 Temp Sensor No |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
| Recorder Initials: |  |                   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  |     |  |
| N/S                |  | DEPTH             |  | Rosette Notes        |  | Sample Bottle Number |  | Chloro           |  |             |  |           |  |            |  |                |  |              |  | Comments     |  | N/S |  |
| No.                |  | DESIRER           |  |                      |  | Salt Btl             |  | Nut Btl          |  | O2 Btl      |  | DIC / ALK |  | GFF        |  | >10 micron Vol |  | Flow Cyt     |  | eDNA         |  | No. |  |
| 1                  |  | B01               |  |                      |  |                      |  | 1188             |  | 349         |  |           |  | 278        |  |                |  |              |  |              |  | 1   |  |
| 2                  |  | B01               |  |                      |  |                      |  | 1189             |  |             |  |           |  | 278        |  |                |  |              |  |              |  | 2   |  |
| 3                  |  | H01               |  |                      |  |                      |  | 1190             |  |             |  |           |  | 278        |  |                |  |              |  |              |  | 3   |  |
| 4                  |  | B01               |  |                      |  |                      |  | 1191             |  |             |  |           |  | 278        |  |                |  |              |  |              |  | 4   |  |
| 5                  |  | B01               |  |                      |  |                      |  | 1192             |  |             |  |           |  | 278        |  |                |  |              |  |              |  | 5   |  |
| 6                  |  | B01               |  |                      |  |                      |  | 1193             |  |             |  |           |  | 278        |  |                |  |              |  |              |  | 6   |  |
| 7                  |  | D1                |  |                      |  |                      |  | 1194             |  |             |  |           |  | 278        |  |                |  |              |  |              |  | 7   |  |
| 8                  |  |                   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  | 8   |  |
| 9                  |  |                   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  | 9   |  |
| 10                 |  |                   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  | 10  |  |
| 11                 |  |                   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  | 11  |  |
| 12                 |  |                   |  |                      |  |                      |  |                  |  |             |  |           |  |            |  |                |  |              |  |              |  | 12  |  |
| 1                  |  | Inline            |  |                      |  |                      |  | LC               |  | LC          |  |           |  | SW         |  |                |  |              |  | RM           |  | 1   |  |

| VESSEL       | CRUISE ID          | PROJECT & LEG        | CTD FileName:  | STATION NO.   |
|--------------|--------------------|----------------------|--|---|
| OSCAR DYSON  | DY2508             | EcoFOCI Fall Mooring |  | S61 H1  |
| CONSC CAST # | DEG MIN LATITUDE   | DEG MIN LONGITUDE    | TIME (GMT)   | DRY BULB ('C) RH (%) Pressure (mb) WIND DIRN (deg) WIND SPD (kts) BOTTOM DEPTH (m) STA. NAME/ID |
| 0635745.94 N | 16827.65 W         | 11 SEP 25            | 042108.90  | 73.0 M4E  |
| SBE 9+       | FUOR S/N           | WEATHER OBS:         | SFC/Bottom Temp.                                     | MAX DEPTH = 65.0m   |
| PRESS SN     | SBE-43-Oxy (prime) | REMARKS:             |  |   |
| PRI TEMP SN  | SBE-43-Oxy (sec)   |                      |  |   |
| SEC TEMP SN  | Transmissometer    |                      |  |   |
| PRI COND SN  | PAR S/N            |                      |  |   |
| SEC COND SN  | O2 Tmp Sensor No   |                      |  |   |
| NIS No.      | DEPTH DESIRED      | Rosette Notes        | Sample Bottle Number Salt BT Nutr BT O2 BT DIC / ALK | Chloro GFF >10 micron Vol Flow Cyt eDNA Comments  |
| 1 Bot        |                    |                      | 55   | 1195 278  |
| 2 50         |                    |                      | 1196   | 278   |
| 3 40         |                    |                      | 1197   | 278   |
| 4 30         |                    |                      | 1198   | 278   |
| 5 20         |                    |                      | 1199   | 278   |
| 6 10         |                    |                      | 1200   | 278 X   |
| 7 D          |                    |                      | 1201   | 267 278   |
| 8            |                    |                      |  |   |
| 9            |                    |                      |  |   |
| 10           |                    |                      |  |   |
| 11           |                    |                      |  |   |
| 12           |                    |                      |  |   |
| 1            | Inline             |                      |  |   |

|                    |  |                    |  |                      |  |                  |  |              |  |
|--------------------|--|--------------------|--|----------------------|--|------------------|--|--------------|--|
| VESSEL             |  | CRUISE ID          |  | PROJECT & LEG        |  | CTD FileName:    |  | STATION NO.  |  |
| OSCAR DYSON        |  | DY2508             |  | EcoFOCI Fall Mooring |  |                  |  | 5102-H1      |  |
| CONSC CAST #       |  | LATITUDE           |  | LONGITUDE            |  | TIME (GMT)       |  | DRY BULB     |  |
| DEG                |  | MIN                |  | DEG                  |  | MIN              |  | DAY          |  |
| MO                 |  | YR                 |  | HR                   |  | MIN              |  | (°C)         |  |
| RH                 |  | Pressure           |  | WIND DIRN            |  | WIND SPD         |  | BOTTOM DEPTH |  |
| (mb)               |  | (deg)              |  | (kts)                |  | (m)              |  | STA. NAME/ID |  |
| SBE 9+             |  | FLUOR S/N          |  | WEATHER OBS:         |  | SFC/Bottom Temp. |  | MAX DEPTH =  |  |
| PRESS SN           |  | SBE 43-Oxy (prime) |  | REMARKS:             |  |                  |  | 105 m        |  |
| PRI TEMP SN        |  | SBE 43-Oxy (sec)   |  |                      |  |                  |  |              |  |
| SEC TEMP SN        |  | Transmissometer    |  |                      |  |                  |  |              |  |
| PRI COND SN        |  | PAR S/N            |  |                      |  |                  |  |              |  |
| SEC COND SN        |  | O2 Trmp Sension No |  |                      |  |                  |  |              |  |
| O2 Trmp Sension No |  |                    |  |                      |  |                  |  |              |  |
| Recorder Initials: |  |                    |  |                      |  |                  |  |              |  |
| Nis                |  | Rosette Notes      |  | Sample Bottle Number |  | Chloro           |  | Comments     |  |
| No.                |  | DESIRIED           |  | Salt. Btl            |  | Nut. Btl         |  | O2. Btl      |  |
| DIC / ALK          |  | GFF                |  | > 10 micron Vol      |  | Flow Cyt         |  | eDNA         |  |
| Nis                |  | No.                |  | No.                  |  | No.              |  | No.          |  |
| 1                  |  | 1201               |  | 276                  |  | 276              |  | 276          |  |
| 2                  |  | 1202               |  | 276                  |  | 276              |  | 276          |  |
| 3                  |  | 1203               |  | 276                  |  | 276              |  | 276          |  |
| 4                  |  | 1204               |  | 276                  |  | 276              |  | 276          |  |
| 5                  |  | 1205               |  | 276                  |  | 276              |  | 276          |  |
| 6                  |  | 1206               |  | 276                  |  | 276              |  | 276          |  |
| 7                  |  | 1207               |  | 276                  |  | 276              |  | 276          |  |
| 8                  |  | 1208               |  | 276                  |  | 276              |  | 276          |  |
| 9                  |  | 1209               |  | 276                  |  | 276              |  | 276          |  |
| 10                 |  | 1210               |  | 276                  |  | 276              |  | 276          |  |
| 11                 |  | 1211               |  | 276                  |  | 276              |  | 276          |  |
| 12                 |  | 1212               |  | 276                  |  | 276              |  | 276          |  |
| 1                  |  | Inline             |  |                      |  |                  |  |              |  |



| VESSEL             |  | CRUISE ID          |  | PROJECT & LEG        |  | STATION NO.          |  |
|--------------------|--|--------------------|--|----------------------|--|----------------------|--|
| OSCAR DYSON        |  | DY2508             |  | Ecofoci Fall Mooring |  | 563 H1               |  |
| CONSC              |  | LATITUDE           |  | LONGITUDE            |  | TIME (GMT)           |  |
| CAST #             |  | DEG MIN            |  | DEG MIN              |  | DAY MO YR            |  |
| 055725.07N         |  | 0648.88W           |  | 11561925             |  | 10279.3              |  |
| SBE 9+             |  | FLUOR S/N          |  | SBE43-Oxy (prime)    |  | SBE43-Oxy (sec)      |  |
| PRESS SN           |  | SBE43-Oxy (prime)  |  | SBE43-Oxy (sec)      |  | Transducer           |  |
| PRI TEMP SN        |  | SBE43-Oxy (prime)  |  | SBE43-Oxy (sec)      |  | PAR S/N              |  |
| SEC TEMP SN        |  | SBE43-Oxy (prime)  |  | SBE43-Oxy (sec)      |  | 02 Temp Sensor No    |  |
| PRI COND SN        |  | SBE43-Oxy (prime)  |  | SBE43-Oxy (sec)      |  | 02 Temp Sensor No    |  |
| SEC COND SN        |  | SBE43-Oxy (prime)  |  | SBE43-Oxy (sec)      |  | 02 Temp Sensor No    |  |
| WEATHER OBS:       |  | WEATHER OBS:       |  | WEATHER OBS:         |  | WEATHER OBS:         |  |
| REMARKS:           |  | REMARKS:           |  | REMARKS:             |  | REMARKS:             |  |
| SFC/Bottom Temp.   |  | SFC/Bottom Temp.   |  | SFC/Bottom Temp.     |  | SFC/Bottom Temp.     |  |
| MAX DEPTH = 104 m  |  | MAX DEPTH = 104 m  |  | MAX DEPTH = 104 m    |  | MAX DEPTH = 104 m    |  |
| Recorder Initials: |  | Recorder Initials: |  | Recorder Initials:   |  | Recorder Initials:   |  |
| N/S                |  | DEPTH              |  | Rosette Notes        |  | Sample Bottle Number |  |
| No.                |  | DESIRED            |  | Salt Btl             |  | Nut Btl              |  |
| 1                  |  | BOT                |  | 1209                 |  | 1210                 |  |
| 2                  |  | BOT                |  | 1210                 |  | 1211                 |  |
| 3                  |  | 50                 |  | 1212                 |  | 1213                 |  |
| 4                  |  | 40                 |  | 1213                 |  | 1214                 |  |
| 5                  |  | 30                 |  | 1214                 |  | 1215                 |  |
| 6                  |  | 30                 |  | 1215                 |  | 1216                 |  |
| 7                  |  | 20                 |  | 1216                 |  | 1217                 |  |
| 8                  |  | 10                 |  | 1217                 |  | 1218                 |  |
| 9                  |  | 10                 |  | 1218                 |  | 1219                 |  |
| 10                 |  | 0                  |  | 1219                 |  | 1220                 |  |
| 11                 |  |                    |  | 1220                 |  | 1221                 |  |
| 12                 |  |                    |  | 1221                 |  | 1222                 |  |
| 1                  |  | Inline             |  | 1222                 |  | 1223                 |  |
| N/S                |  | DEPTH              |  | Rosette Notes        |  | Sample Bottle Number |  |
| No.                |  | DESIRED            |  | Salt Btl             |  | Nut Btl              |  |
| 1                  |  | BOT                |  | 1209                 |  | 1210                 |  |
| 2                  |  | BOT                |  | 1210                 |  | 1211                 |  |
| 3                  |  | 50                 |  | 1212                 |  | 1213                 |  |
| 4                  |  | 40                 |  | 1213                 |  | 1214                 |  |
| 5                  |  | 30                 |  | 1214                 |  | 1215                 |  |
| 6                  |  | 30                 |  | 1215                 |  | 1216                 |  |
| 7                  |  | 20                 |  | 1216                 |  | 1217                 |  |
| 8                  |  | 10                 |  | 1217                 |  | 1218                 |  |
| 9                  |  | 10                 |  | 1218                 |  | 1219                 |  |
| 10                 |  | 0                  |  | 1219                 |  | 1220                 |  |
| 11                 |  |                    |  | 1220                 |  | 1221                 |  |
| 12                 |  |                    |  | 1221                 |  | 1222                 |  |
| 1                  |  | Inline             |  | 1222                 |  | 1223                 |  |

| VESSEL      |  | CRUISE ID          |  | PROJECT & LEG                     |  | CTD FileName:                    |  | STATION NO.           |  |
|-------------|--|--------------------|--|-----------------------------------|--|----------------------------------|--|-----------------------|--|
| OSCAR DYSON |  | DY2508             |  | EcoFOCI Fall Mooring              |  |                                  |  | 56444                 |  |
| CONSC       |  | LATITUDE           |  | LONGITUDE                         |  | TIME (GMT)                       |  | DRY BULB              |  |
| CAST #      |  | DEG MIN            |  | DEG MIN                           |  | DAY MO YR                        |  | HR MIN                |  |
| 01010       |  | 5715.73 N          |  | 16544.96 W                        |  | 115 APR 25                       |  | 1411009.4085101229416 |  |
| SBE 9+      |  | FLUOR S/N          |  | WEATHER OBS:                      |  | SFC/Bottom Temp.                 |  | MAX DEPTH = 63.4 m    |  |
| PRESS SN    |  | SBE-43-Oxy (prime) |  | REMARKS:                          |  |                                  |  |                       |  |
| PRI TEMP SN |  | SBE-43-Oxy (sec)   |  |                                   |  |                                  |  |                       |  |
| SEC TEMP SN |  | Transmissometer    |  |                                   |  |                                  |  |                       |  |
| PRI COND SN |  | PAR S/N            |  |                                   |  |                                  |  |                       |  |
| SEC COND SN |  | O2 Temp Sensor No  |  |                                   |  |                                  |  |                       |  |
| DEPTH       |  | Rosette Notes      |  | Sample Bottle Number              |  | Chloro                           |  | Comments              |  |
| No.         |  | DESIGD             |  | Salt Btl Nut Btl O2 Btl DIC / ALK |  | GFF >10 micron Vol Flow Cyt eDNA |  | No.                   |  |
| 1           |  | BOT                |  | 1210 1168                         |  |                                  |  | 1                     |  |
| 2           |  | BOT                |  |                                   |  |                                  |  | 2                     |  |
| 3           |  | 50                 |  | 1217                              |  | 278                              |  | 3                     |  |
| 4           |  | 40                 |  | 1218                              |  | 278                              |  | 4                     |  |
| 5           |  | 30                 |  |                                   |  |                                  |  | 5                     |  |
| 6           |  | 30                 |  | 1219                              |  | 278                              |  | 6                     |  |
| 7           |  | 20                 |  | 1220                              |  | 278                              |  | 7                     |  |
| 8           |  | 10                 |  |                                   |  |                                  |  | 8                     |  |
| 9           |  | 10                 |  | 1221                              |  | 278                              |  | 9                     |  |
| 10          |  | 0                  |  | 1222                              |  | 278                              |  | 10                    |  |
| 11          |  |                    |  |                                   |  |                                  |  | 11                    |  |
| 12          |  |                    |  |                                   |  |                                  |  | 12                    |  |
| 1           |  | Inline             |  | EWD EWD                           |  | 21                               |  | 1                     |  |



| VESSEL       |  | CRUISE ID          |  | PROJECT & LEG        |  | CTD File Name:       |  | STATION NO.      |  |
|--------------|--|--------------------|--|----------------------|--|----------------------|--|------------------|--|
| OSCAR DYSON  |  | DY2508             |  | EcoFOCI Fall Mooring |  |                      |  | 5606 41          |  |
| CONSC        |  | LATITUDE           |  | LONGITUDE            |  | TIME (GMT)           |  | DRY BULB         |  |
| CAST #       |  | DEG MIN            |  | DEG MIN              |  | DAY MO YR            |  | HR MIN           |  |
| 0685651.5421 |  | 1402.55711         |  | SEP 25 2042          |  | 82101229917          |  | 72               |  |
| SBE 9+       |  | FLUOR S/N          |  | WEATHER OBS:         |  | SFC/BOTTOM Temp.     |  | MAX DEPTH = 66 m |  |
| PRESS SN     |  | SBE-43-Oxy (prime) |  | REMARKS:             |  |                      |  |                  |  |
| PRI TEMP SN  |  | SBE-43-Oxy (sec)   |  |                      |  |                      |  |                  |  |
| SEC TEMP SN  |  | Transmissometer    |  |                      |  |                      |  |                  |  |
| PRI COND SN  |  | PAR S/N            |  |                      |  |                      |  |                  |  |
| SEC COND SN  |  | O2 Temp Sensor No  |  |                      |  |                      |  |                  |  |
| N/S          |  | DEPTH              |  | Rosette Notes        |  | Sample Bottle Number |  | Chloro           |  |
| No.          |  | DESIGNED           |  | Salt Btl             |  | Nut Btl              |  | O2 Btl           |  |
| 1            |  | BOT                |  | 1230                 |  | 305                  |  | DIC / ALK        |  |
| 2            |  | BOT                |  | 1231                 |  | 278                  |  | GFF              |  |
| 3            |  | 40                 |  | 1232                 |  | 278                  |  | > 10 micron Vol  |  |
| 4            |  | 30                 |  | 1233                 |  | 278                  |  | Flow Cyt         |  |
| 5            |  | 30                 |  | 1234                 |  | 278                  |  | eDNA             |  |
| 6            |  | 30                 |  | 1235                 |  | 278                  |  |                  |  |
| 7            |  | 30                 |  | 1236                 |  | 278                  |  |                  |  |
| 8            |  | 10                 |  | 1237                 |  | 278                  |  |                  |  |
| 9            |  | 10                 |  | 1238                 |  | 278                  |  |                  |  |
| 10           |  | SBE                |  | 1239                 |  | 278                  |  |                  |  |
| 11           |  |                    |  | 1240                 |  | 278                  |  |                  |  |
| 12           |  |                    |  | 1241                 |  | 278                  |  |                  |  |
| 1            |  | Inline             |  | LC LC                |  | SW                   |  | RM QB            |  |
| N/S          |  | Comments           |  | N/S                  |  | No.                  |  |                  |  |

[illegible]

[illegible]

| VESSEL       |  | CRUISE ID         |  | PROJECT & LEG        |  | STATION NO.          |  |
|--------------|--|-------------------|--|----------------------|--|----------------------|--|
| OSCAR DYSON  |  | DY2508            |  | EcoFOCI Fall Mooring |  | S+69 H1              |  |
| CONSC CAST # |  | LATITUDE          |  | LONGITUDE            |  | TIME (GMT)           |  |
| 0115435.99 N |  | 15838.67 W        |  | 145E 125             |  | 115011.4066100802614 |  |
| DEG MIN      |  | DEG MIN           |  | DAY MO YR            |  | HR MIN               |  |
| 15838.67     |  | 145E 125          |  | 145E 125             |  | 115011.4066100802614 |  |
| SBE 9+       |  | FLUOR S/N         |  | SBE43-Oxy (prime)    |  | SBE43-Oxy (sec)      |  |
| PRESS SN     |  | SBE43-Oxy (prime) |  | SBE43-Oxy (sec)      |  | Transducer           |  |
| PRI TEMP SN  |  | SBE43-Oxy (prime) |  | SBE43-Oxy (sec)      |  | PAR S/N              |  |
| SEC TEMP SN  |  | SBE43-Oxy (prime) |  | SBE43-Oxy (sec)      |  | O2 Temp Sensor No    |  |
| PRI COND SN  |  | SBE43-Oxy (prime) |  | SBE43-Oxy (sec)      |  | O2 Temp Sensor No    |  |
| SEC COND SN  |  | SBE43-Oxy (prime) |  | SBE43-Oxy (sec)      |  | O2 Temp Sensor No    |  |
| DEPT#        |  | Rosette Notes     |  | Sample Bottle Number |  | Chloro               |  |
| No.          |  | DESIRD            |  | Salt:Btl             |  | Nuc:Btl              |  |
| 1            |  | BOT               |  | 1243                 |  | 334                  |  |
| 2            |  | BOT               |  | 1244                 |  | 347                  |  |
| 3            |  | 150               |  | 1245                 |  | 366                  |  |
| 4            |  | 100               |  | 1246                 |  | 359                  |  |
| 5            |  | 75                |  | 1247                 |  | 278                  |  |
| 6            |  | 50                |  | 1248                 |  | 278                  |  |
| 7            |  | 40                |  | 1249                 |  | 278                  |  |
| 8            |  | 30                |  | 1250                 |  | 278                  |  |
| 9            |  | 20                |  | 1251                 |  | 278                  |  |
| 10           |  | 10                |  | 1252                 |  | 278                  |  |
| 11           |  | 0                 |  | 1253                 |  | 278                  |  |
| 12           |  |                   |  | 1254                 |  | 278                  |  |
| 1            |  | Inline            |  |                      |  |                      |  |
| N/S          |  | DEPT#             |  | Sample Bottle Number |  | Chloro               |  |
| No.          |  | DESIRD            |  | Salt:Btl             |  | Nuc:Btl              |  |
| 1            |  | BOT               |  | 1243                 |  | 334                  |  |
| 2            |  | BOT               |  | 1244                 |  | 347                  |  |
| 3            |  | 150               |  | 1245                 |  | 366                  |  |
| 4            |  | 100               |  | 1246                 |  | 359                  |  |
| 5            |  | 75                |  | 1247                 |  | 278                  |  |
| 6            |  | 50                |  | 1248                 |  | 278                  |  |
| 7            |  | 40                |  | 1249                 |  | 278                  |  |
| 8            |  | 30                |  | 1250                 |  | 278                  |  |
| 9            |  | 20                |  | 1251                 |  | 278                  |  |
| 10           |  | 10                |  | 1252                 |  | 278                  |  |
| 11           |  | 0                 |  | 1253                 |  | 278                  |  |
| 12           |  |                   |  | 1254                 |  | 278                  |  |
| 1            |  | Inline            |  |                      |  |                      |  |
| N/S          |  | DEPT#             |  | Sample Bottle Number |  | Chloro               |  |
| No.          |  | DESIRD            |  | Salt:Btl             |  | Nuc:Btl              |  |
| 1            |  | BOT               |  | 1243                 |  | 334                  |  |
| 2            |  | BOT               |  | 1244                 |  | 347                  |  |
| 3            |  | 150               |  | 1245                 |  | 366                  |  |
| 4            |  | 100               |  | 1246                 |  | 359                  |  |
| 5            |  | 75                |  | 1247                 |  | 278                  |  |
| 6            |  | 50                |  | 1248                 |  | 278                  |  |
| 7            |  | 40                |  | 1249                 |  | 278                  |  |
| 8            |  | 30                |  | 1250                 |  | 278                  |  |
| 9            |  | 20                |  | 1251                 |  | 278                  |  |
| 10           |  | 10                |  | 1252                 |  | 278                  |  |
| 11           |  | 0                 |  | 1253                 |  | 278                  |  |
| 12           |  |                   |  | 1254                 |  | 278                  |  |
| 1            |  | Inline            |  |                      |  |                      |  |
| N/S          |  | DEPT#             |  | Sample Bottle Number |  | Chloro               |  |
| No.          |  | DESIRD            |  | Salt:Btl             |  | Nuc:Btl              |  |
| 1            |  | BOT               |  | 1243                 |  | 334                  |  |
| 2            |  | BOT               |  | 1244                 |  | 347                  |  |
| 3            |  | 150               |  | 1245                 |  | 366                  |  |
| 4            |  | 100               |  | 1246                 |  | 359                  |  |
| 5            |  | 75                |  | 1247                 |  | 278                  |  |
| 6            |  | 50                |  | 1248                 |  | 278                  |  |
| 7            |  | 40                |  | 1249                 |  | 278                  |  |
| 8            |  | 30                |  | 1250                 |  | 278                  |  |
| 9            |  | 20                |  | 1251                 |  | 278                  |  |
| 10           |  | 10                |  | 1252                 |  | 278                  |  |
| 11           |  | 0                 |  | 1253                 |  | 278                  |  |
| 12           |  |                   |  | 1254                 |  | 278                  |  |
| 1            |  | Inline            |  |                      |  |                      |  |
| N/S          |  | DEPT#             |  | Sample Bottle Number |  | Chloro               |  |
| No.          |  | DESIRD            |  | Salt:Btl             |  | Nuc:Btl              |  |
| 1            |  | BOT               |  | 1243                 |  | 334                  |  |
| 2            |  | BOT               |  | 1244                 |  | 347                  |  |
| 3            |  | 150               |  | 1245                 |  | 366                  |  |
| 4            |  | 100               |  | 1246                 |  | 359                  |  |
| 5            |  | 75                |  | 1247                 |  | 278                  |  |
| 6            |  | 50                |  | 1248                 |  | 278                  |  |
| 7            |  | 40                |  | 1249                 |  | 278                  |  |
| 8            |  | 30                |  | 1250                 |  | 278                  |  |
| 9            |  | 20                |  | 1251                 |  | 278                  |  |
| 10           |  | 10                |  | 1252                 |  | 278                  |  |
| 11           |  | 0                 |  | 1253                 |  | 278                  |  |
| 12           |  |                   |  | 1254                 |  |                      |  |

| VESSEL      |  | CRUISE ID |  | PROJECT & LEG        |  | CTD FileName:     |  | STATION NO. |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|-------------|--|-----------|--|----------------------|--|-------------------|--|-------------|--|-----|--|----------|--|------------|--|-----------|--|--------------|--|--------------|--|-----|--|------|--|-------|--|-------|--|------|--|-------|--|------|--|------|--|
| OSCAR DYSON |  | DY2508    |  | EcoFOCI Fall Mooring |  |                   |  | 57041       |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
| CONSC       |  | LATITUDE  |  | LONGITUDE            |  | TIME (GMT)        |  | DRY BULB    |  | RH  |  | Pressure |  | WIND DIRN. |  | WIND SPD. |  | BOTTOM DEPTH |  | STA. NAME/ID |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
| CAST #      |  | DEG       |  | MIN                  |  | DEG               |  | MIN         |  | DAY |  | MO       |  | YR         |  | HR        |  | MIN          |  | (°C)         |  | (%) |  | (mb) |  | (deg) |  | (kts) |  | (m)  |  |       |  |      |  |      |  |
| 07254       |  | 41        |  | 27                   |  | 15                |  | 845         |  | 09  |  | W        |  | 14         |  | SEP       |  | 25           |  | 13           |  | 05  |  | 11   |  | 40    |  | 70    |  | 1008 |  | 01313 |  | 98.4 |  | 5124 |  |
| SEC 9+      |  |           |  |                      |  | FLUOR S/N         |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
| PRESS SN    |  |           |  |                      |  | SBE43-Oxy (prime) |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
| PRI TEMP SN |  |           |  |                      |  | SBE43-Oxy (sec)   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
| SEC TEMP SN |  |           |  |                      |  | Transducer        |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
| PRI COND SN |  |           |  |                      |  | PAR S/N           |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
| SEC COND SN |  |           |  |                      |  | O2 Trip Sensor No |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |
|             |  |           |  |                      |  |                   |  |             |  |     |  |          |  |            |  |           |  |              |  |              |  |     |  |      |  |       |  |       |  |      |  |       |  |      |  |      |  |



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|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 572 H1      |

|              |     |     |                   |     |      |    |    |    |     |               |        |               |                 |                |                  |              |       |
|--------------|-----|-----|-------------------|-----|------|----|----|----|-----|---------------|--------|---------------|-----------------|----------------|------------------|--------------|-------|
| CONSC CAST # | DEG | MIN | DEG               | MIN | DAY  | MO | YR | HR | MIN | DRY BULB (°C) | RH (%) | Pressure (mb) | WIND DIRN (deg) | WIND SPD (kts) | BOTTOM DEPTH (m) | STA. NAME/ID |       |
| 0755454.669  |     |     | 15904.878         |     | 1453 | P2 | 5  | 16 | 45  |               |        | 73            | 1008            | 359            | 10               | 74           | SHOUL |
| SBE 9+       |     |     | FLUOR S/N         |     |      |    |    |    |     |               |        |               |                 |                |                  |              |       |
| PRESS SN     |     |     | SBE43-Oxy (prime) |     |      |    |    |    |     |               |        |               |                 |                |                  |              |       |
| PRI TEMP SN  |     |     | SBE43-Oxy (sec)   |     |      |    |    |    |     |               |        |               |                 |                |                  |              |       |
| SEC TEMP SN  |     |     | Transmissometer   |     |      |    |    |    |     |               |        |               |                 |                |                  |              |       |
| PRI COND SN  |     |     | PAR S/N           |     |      |    |    |    |     |               |        |               |                 |                |                  |              |       |
| SEC COND SN  |     |     | O2 Trmp Sensor No |     |      |    |    |    |     |               |        |               |                 |                |                  |              |       |

REMARKS:

WEATHER OBS:

SFC/Bottom Temp:

MAX DEPTH = 70 m

ANDECA: AGE-0 TILLOT IN EL-80 WIDE IN GILL LAYER (0-30m).

Recorder Initials:

| NIS |       | Rosette Notes |        | Sample Bottle Number |         |        |           | Chloro |                 |  |          |    |        | Comments |  | NIS |  |
|-----|-------|---------------|--------|----------------------|---------|--------|-----------|--------|-----------------|--|----------|----|--------|----------|--|-----|--|
| No. | DEPTH | DESIRED       |        | Salt Btl             | Nut Btl | O2 Btl | DOC / ALK | GFF    | > 10 micron Vol |  | Flow Cyt |    | eDNA   |          |  | No. |  |
| 1   | 305 ✓ |               |        |                      | 1274    |        |           |        |                 |  |          |    | E 3096 |          |  | 1   |  |
| 2   | 807 ✓ |               |        |                      |         |        |           |        |                 |  |          |    |        |          |  | 2   |  |
| 3   | 50 ✓  |               |        |                      | 1275    |        |           | 278    |                 |  |          |    |        |          |  | 3   |  |
| 4   | 40 ✓  |               |        |                      | 1276    |        |           | 278    |                 |  |          |    |        |          |  | 4   |  |
| 5   | 30 ✓  |               |        |                      |         |        |           |        |                 |  |          |    | E 3097 |          |  | 5   |  |
| 6   | 30 ✓  |               |        |                      | 1277    |        |           | 278    |                 |  |          |    |        |          |  | 6   |  |
| 7   | 20 ✓  |               |        |                      | 1278    |        |           | 278    |                 |  |          |    |        |          |  | 7   |  |
| 8   | 10 ✓  |               |        |                      |         |        |           |        |                 |  |          |    | E 3098 |          |  | 8   |  |
| 9   | 10 ✓  |               |        |                      | 1279    |        |           | 278    |                 |  |          |    |        |          |  | 9   |  |
| 10  | 0 ✓   |               |        |                      | 1280    | 341    |           | 278    |                 |  |          | X  |        |          |  | 10  |  |
| 11  |       |               |        |                      |         |        |           |        |                 |  |          |    |        |          |  | 11  |  |
| 12  |       |               |        |                      |         |        |           |        |                 |  |          |    |        |          |  | 12  |  |
| 1   |       |               | Inline |                      |         |        |           | 44     |                 |  |          | PM | ZC     |          |  | 1   |  |



| VESSEL   | CRUISE ID        | PROJECT & LEG        | CTD FileName:   | STATION NO.      |               |    |                |                  |      |                  |           |                  |                     |                    |                     |              |
|--|------------------|----------------------|---|------------------|---------------|----|----------------|------------------|------|------------------|-----------|------------------|---------------------|--------------------|---------------------|--------------|
| OSCAR DYSON  | DY2508           | EcoFOCI Fall Mooring |   | S75 H-1          |               |    |                |                  |      |                  |           |                  |                     |                    |                     |              |
| CONSC<br>CAST #  | DEG              | LATITUDE<br>MIN      | DEG   | LONGITUDE<br>MIN | DAY           | MO | YR             | TIME (GMT)<br>HR | MIN  | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND DIRN.<br>(deg) | WIND SPD.<br>(kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |
| 677  | 55               | 21.99                | N   | 15930.99         | 8             | 15 | 5              | 00               | 30   | .                | 65        | 1007             | 309                 | 16                 | 1137                | SWH4         |
| SBE 9+ _____ FLUOR S/N _____<br>PRESS SN _____ SBE43-Oxy (prime) _____<br>PRT TEMP SN _____ SBE43-Oxy (sec) _____<br>SEC TEMP SN _____ Transmissometer _____<br>PRT COND SN _____ PAR S/N _____<br>SEC COND SN _____ O2 Trip Sensor No _____ |                  |                      |   |                  |               |    |                |                  |      |                  |           |                  |                     |                    |                     |              |
| REMARKS:<br>WEATHER OBS:<br>SFC/Bottom Temp:<br>MAX DEPTH = 135 m  |                  |                      |   |                  |               |    |                |                  |      |                  |           |                  |                     |                    |                     |              |
| No.  | DEPTH<br>DESIRED | Rosette Notes        | Sample Bottle Number<br>Salt:Btl Nut:Btl O2:Btl DIC / ALK |                  | Chloro<br>GFF |    | >10 micron Vol | Flow Cyt         | edNA | Comments         |           |                  |                     |                    |                     | No.          |
| 1  | Bot ✓            |                      | 1290  |                  |               |    |                |                  |      |                  |           |                  | E 3299              |                    | 1                   |              |
| 2  | Bot ✓            |                      |   |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 2                   |              |
| 3  | 100 ✓            |                      | 1291  |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 3                   |              |
| 4  | 75 ✓             |                      | 1292  |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 4                   |              |
| 5  | 50 ✓             |                      | 1293  |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 5                   |              |
| 6  | 40 ✓             |                      | 1294  |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 6                   |              |
| 7  | 30 ✓             |                      |   |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 7                   |              |
| 8  | 30 ✓             |                      | 1295  |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 8                   |              |
| 9  | 20 ✓             |                      | 1296  |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 9                   |              |
| 10   | 10 ✓             |                      | 1297  |                  |               |    |                |                  |      | X                |           |                  |                     |                    | 10                  |              |
| 11   | Surf ✓           |                      | 1298 *316   |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 11                  |              |
| 12   |                  |                      |   |                  |               |    |                |                  |      |                  |           |                  |                     |                    | 12                  |              |
| 1  |                  | Inline               | LC RM   |                  |               |    |                |                  |      |                  | RM        |                  |                     | RM                 | 1                   |              |

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 576 H1      |

|             |           |     |                   |     |                 |    |                 |    |          |            |                   |              |                   |       |     |     |      |
|-------------|-----------|-----|-------------------|-----|-----------------|----|-----------------|----|----------|------------|-------------------|--------------|-------------------|-------|-----|-----|------|
| CONSC       | LATITUDE  |     | LONGITUDE         |     | TIME (GMT)      |    | DRY BULB        | RH | Pressure | WIND DIRN. | WIND SPD.         | BOTTOM DEPTH | STA. NAME/ID      |       |     |     |      |
| CAST #      | DEG       | MIN | DEG               | MIN | DAY             | MO | YR              | HR | MIN      | (°C)       | (%)               | (mb)         | (deg)             | (kts) | (m) |     |      |
| 67855       | 25        | 43  | 51                | 59  | 32              | 4  | 5               | 01 | 54       |            |                   | 64           | 100               | 73    | 21  | 152 | 5413 |
| SBE 9+      | FLUOR S/N |     | SBE43-Oxy (prime) |     | SBE43-Oxy (sec) |    | Transmissometer |    | PAR S/N  |            | O2 Temp Sensor No |              | WEATHER OBS.      |       |     |     |      |
| PRESS SN    |           |     |                   |     |                 |    |                 |    |          |            |                   |              | REMARKS:          |       |     |     |      |
| PRI TEMP SN |           |     |                   |     |                 |    |                 |    |          |            |                   |              | SFC/Bottom Temp.  |       |     |     |      |
| SEC TEMP SN |           |     |                   |     |                 |    |                 |    |          |            |                   |              | MAX DEPTH = 151 m |       |     |     |      |
| PRI COND SN |           |     |                   |     |                 |    |                 |    |          |            |                   |              |                   |       |     |     |      |
| SFC COND SN |           |     |                   |     |                 |    |                 |    |          |            |                   |              |                   |       |     |     |      |

Recorder Initials:

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number | Chloro  | >10 micron Vol | Flow Cyt  | eDNA | Comments | NIS |
|-----|---------|---------------|----------------------|---------|----------------|-----------|------|----------|-----|
| No. | DESIRED |               | Salt:Btl             | Nut:Btl | O2:Btl         | DIC / ALK | GFF  |          | No. |
| 1   | Bot     |               |                      | 1299    | 349            |           |      |          | 1   |
| 2   | 100     |               |                      | 1300    |                |           |      |          | 2   |
| 3   | 75      |               |                      | 1301    |                |           |      |          | 3   |
| 4   | 50      |               |                      | 1302    |                |           | 278  |          | 4   |
| 5   | 40      |               |                      | 1303    |                |           | 278  |          | 5   |
| 6   | 30      |               |                      | 1304    |                |           | 278  |          | 6   |
| 7   | 20      |               |                      | 1305    |                |           | 278  |          | 7   |
| 8   | 10      |               |                      | 1306    |                |           | 278  | X        | 8   |
| 9   | 505     |               |                      | 1307    |                |           | 278  |          | 9   |
| 10  |         |               |                      |         |                |           |      |          | 10  |
| 11  |         |               |                      |         |                |           |      |          | 11  |
| 12  |         |               |                      |         |                |           |      |          | 12  |
| 1   |         | Inline        |                      |         |                |           |      | LC RM CH | 1   |

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| VESSEL          |  | CRUISE ID                         |  | PROJECT & LEG        |  | CTD FileName:                             |  | STATION NO.       |  |
|-----------------|--|-----------------------------------|--|----------------------|--|---|--|-------------------|--|
| OSCAR DYSON     |  | DY2508                            |  | EcoFOCI Fall Mooring |  |   |  | 879141            |  |
| CONSC<br>CAST # |  | LATITUDE                          |  | LONGITUDE            |  | TIME (GMT)                                |  | DRY BULB          |  |
| DEG MIN         |  | DEG MIN                           |  | DAY MO YR            |  | HR MIN                                    |  | (°C)              |  |
| RH (%)          |  | Pressure (mb)                     |  | WIND DIRN (deg)      |  | WIND SPD (kts)                            |  | BOTTOM DEPTH (m)  |  |
| STA. NAME/ID    |  | SBE 9+<br>PRESS SN                |  | FLUOR S/N            |  | WEATHER OBS:                              |  | MAX DEPTH = 127 m |  |
| PRI TEMP SN     |  | SBE43-Oxy (prime)                 |  | SBE43-Oxy (sec)      |  | REMARKS:<br>BERCHOW SUITABLE Mooring Site |  |                   |  |
| SEC TEMP SN     |  | Transmissometer                   |  | PAR S/N              |  | No Samples                                |  |                   |  |
| PRI COND SN     |  | OZ Trip Sensor No                 |  |                      |  |   |  |                   |  |
| SEC COND SN     |  |                                   |  |                      |  |   |  |                   |  |
| DEPTH           |  | Rosette Notes                     |  | Sample Bottle Number |  | Chloro                                    |  | Comments          |  |
| DESRED          |  | Salt:Btl Nut:Btl OZ:Btl DIC / ALK |  | GFF                  |  | >10 micron Vol                            |  | Flow Cyt edNA     |  |
| 1               |  |                                   |  |                      |  |   |  |                   |  |
| 2               |  |                                   |  |                      |  |   |  |                   |  |
| 3               |  |                                   |  |                      |  |   |  |                   |  |
| 4               |  |                                   |  |                      |  |   |  |                   |  |
| 5               |  |                                   |  |                      |  |   |  |                   |  |
| 6               |  |                                   |  |                      |  |   |  |                   |  |
| 7               |  |                                   |  |                      |  |   |  |                   |  |
| 8               |  |                                   |  |                      |  |   |  |                   |  |
| 9               |  |                                   |  |                      |  |   |  |                   |  |
| 10              |  |                                   |  |                      |  |   |  |                   |  |
| 11              |  |                                   |  |                      |  |   |  |                   |  |
| 12              |  |                                   |  |                      |  |   |  |                   |  |
| 1               |  | Inline                            |  |                      |  |   |  |                   |  |

| VESSEL       |  | CRUISE ID         |  | PROJECT & LEG        |  | CTD FileName:    |  | STATION NO.        |  |
|--------------|--|-------------------|--|----------------------|--|------------------|--|--------------------|--|
| OSCAR DYSON  |  | DY2508            |  | EcoFOCI Fall Mooring |  |                  |  | S80 H1             |  |
| CONSC CAST # |  | LATITUDE          |  | LONGITUDE            |  | TIME (GMT)       |  | DRY BULB           |  |
| DEG          |  | MIN               |  | DEG                  |  | MIN              |  | °C                 |  |
| 0825701.29N  |  | 15259.84W         |  | 165EP25              |  | 143111.4         |  | 078100125807       |  |
| SSE 9+       |  | FLUOR S/N         |  | WEATHER OBS:         |  | SFC/Bottom Temp. |  | MAX DEPTH = 28.1 m |  |
| PRESS SN     |  | SBE43-Oxy (prime) |  | REMARKS:             |  |                  |  |                    |  |
| PRI TEMP SN  |  | SBE43-Oxy (sec)   |  | TEMPERATURE          |  | TEMPERATURE      |  |                    |  |
| SEC TEMP SN  |  | Transmissometer   |  |                      |  |                  |  |                    |  |
| PRI COND SN  |  | PAR S/N           |  |                      |  |                  |  |                    |  |
| SEC COND SN  |  | O2 Temp Sensor No |  |                      |  |                  |  |                    |  |
| DEPTH        |  | Rosette Notes     |  | Sample Bottle Number |  | Chloro           |  | Comments           |  |
| No.          |  | DESIRED           |  | Salt Btl             |  | Nut. Btl         |  | O2 Btl             |  |
| 1            |  | BOT               |  |                      |  | 1324             |  | 363                |  |
| 2            |  | BOT               |  |                      |  |                  |  |                    |  |
| 3            |  | 50                |  |                      |  | 1325             |  |                    |  |
| 4            |  | 40                |  |                      |  | 1326             |  |                    |  |
| 5            |  | 30                |  |                      |  |                  |  |                    |  |
| 6            |  | 30                |  |                      |  | 1327             |  |                    |  |
| 7            |  | 20                |  |                      |  | 1328             |  |                    |  |
| 8            |  | 10                |  |                      |  |                  |  |                    |  |
| 9            |  | 10                |  |                      |  | 1329             |  |                    |  |
| 10           |  | 0                 |  |                      |  | 1330             |  |                    |  |
| 11           |  |                   |  |                      |  |                  |  |                    |  |
| 12           |  |                   |  |                      |  |                  |  |                    |  |
| 1            |  | Inline            |  |                      |  |                  |  |                    |  |

| VESSEL            |  | CRUISE ID               |  | PROJECT & LEG        |  | STATION NO.            |  |
|-------------------|--|-------------------------|--|----------------------|--|------------------------|--|
| OSCAR DYSON       |  | DY2508                  |  | EcoFOCI Fall Mooring |  | 58141                  |  |
| CONSC CAST #      |  | LATITUDE                |  | LONGITUDE            |  | CTD FileName:          |  |
| 0835904.30N       |  | 15135.24W               |  | 175E925              |  | 080012.1094100005206   |  |
| SBE 9+ _____      |  | FLUOR S/N _____         |  | WEATHER OBS: _____   |  | SFC/BOTTOM Temp. _____ |  |
| PRESS SN _____    |  | SBE43-Oxy (prime) _____ |  | REMARKS: _____       |  | MAX. DEPTH = 51.5 m    |  |
| PRI TEMP SN _____ |  | SBE43-Oxy (sec) _____   |  | _____                |  | _____                  |  |
| SEC TEMP SN _____ |  | Transmissometer _____   |  | _____                |  | _____                  |  |
| PRI COND SN _____ |  | PAR S/N _____           |  | _____                |  | _____                  |  |
| SEC COND SN _____ |  | O2 Temp Sensor No _____ |  | _____                |  | _____                  |  |
| Nis               |  | Rosette Notes           |  | Sample Bottle Number |  | Chloro                 |  |
| No.               |  | DEPTD                   |  | Salt Btl             |  | Nul. Btl               |  |
| 1                 |  | BOT                     |  | 1331                 |  | 278                    |  |
| 2                 |  | 40                      |  | 1332                 |  | 278                    |  |
| 3                 |  | 30                      |  | 1333                 |  | 278                    |  |
| 4                 |  | 20                      |  | 1334                 |  | 278                    |  |
| 5                 |  | 10                      |  | 1335                 |  | 278                    |  |
| 6                 |  | 5005                    |  | 1336                 |  | 278                    |  |
| 7                 |  |                         |  |                      |  |                        |  |
| 8                 |  |                         |  |                      |  |                        |  |
| 9                 |  |                         |  |                      |  |                        |  |
| 10                |  |                         |  |                      |  |                        |  |
| 11                |  |                         |  |                      |  |                        |  |
| 12                |  |                         |  |                      |  |                        |  |
| 1                 |  | Inline                  |  |                      |  |                        |  |

| VESSEL  |          | CRUISE ID     |           | PROJECT & LEG        |            | CTD FileName:    |           | STATION NO.      |                     |                    |                     |              |           |       |     |
|---|----------|---------------|-----------|----------------------|------------|------------------|-----------|------------------|---------------------|--------------------|---------------------|--------------|-----------|-------|-----|
| OSCAR DYSON   |          | DY2508        |           | EcoFOCI Fall Mooring |            |                  |           | 582 H1           |                     |                    |                     |              |           |       |     |
| CONSC<br>CAST #   | LATITUDE |               | LONGITUDE |                      | TIME (GMT) | DRY BULB<br>(°C) | RH<br>(%) | Pressure<br>(mb) | WIND<br>DIRN, (deg) | WIND<br>SPD, (kts) | BOTTOM DEPTH<br>(m) | STA. NAME/ID |           |       |     |
|   | DEG      | MIN           | DEG       | MIN                  |            |                  |           |                  |                     |                    |                     |              | DAY       | MO    | YR  |
| 084   | 59       | 00.68         | N         | 151                  | 41.44      | W                | 17        | 5                | 08                  | 54                 | 12.2                | 093          | 100006809 | 126.4 | KS7 |
| SEC 9+ _____ FLUOR S/N _____<br>PRESS SN _____ SBE43-Oxy (prime) _____<br>PRI TEMP SN _____ SBE43-Oxy (sec) _____<br>SEC TEMP SN _____ Transducer _____<br>PRI COND SN _____ PAR S/N _____<br>SEC COND SN _____ O2 Temp Sensor No _____ |          |               |           |                      |            |                  |           |                  |                     |                    |                     |              |           |       |     |
| WEATHER OBS: _____ SFC/Bottom Temp. _____ MAX DEPTH = 115.2m<br>REMARKS: _____<br>_____<br>_____<br>_____   |          |               |           |                      |            |                  |           |                  |                     |                    |                     |              |           |       |     |
| DEPTH   |          | Rosette Notes |           | Sample Bottle Number |            | Chloro           |           | Flow Cyt         |                     | cdNA               |                     | Comments     |           |       |     |
| No.   | DESIR    |               | Salt Btl  | Nut. Btl             | O2 Btl     | DIC / ALK        | GF        | > 10 micron Vol  |                     |                    |                     |              | No.       |       |     |
| 1   | Bot      |               |           | 1337                 | 319        |                  |           |                  |                     |                    |                     |              | 1         |       |     |
| 2   | Bot      |               |           |                      |            |                  |           |                  |                     |                    |                     |              | 2         |       |     |
| 3   | 75       |               |           | 1338                 |            |                  |           |                  |                     |                    |                     |              | 3         |       |     |
| 4   | 50       |               |           | 1339                 |            |                  | 238       |                  |                     |                    |                     |              | 4         |       |     |
| 5   | 40       |               |           | 1340                 |            |                  | 238       |                  |                     |                    |                     |              | 5         |       |     |
| 6   | 30       |               |           |                      |            |                  |           |                  |                     |                    |                     |              | 6         |       |     |
| 7   | 30       |               |           | 1341                 |            |                  | 238       |                  |                     |                    |                     |              | 7         |       |     |
| 8   | 20       |               |           | 1342                 |            |                  | 238       |                  |                     |                    |                     |              | 8         |       |     |
| 9   | 10       |               |           |                      |            |                  |           |                  |                     |                    |                     |              | 9         |       |     |
| 10  | 10       |               |           | 1343                 |            |                  | 238       |                  |                     |                    |                     |              | 10        |       |     |
| 11  | 0        |               |           | 60                   | 1344       |                  | 238       |                  |                     |                    |                     |              | 11        |       |     |
| 12  |          |               |           |                      |            |                  |           |                  |                     |                    |                     |              | 12        |       |     |
| 1   |          | Inline        |           |                      | EW         | EW               |           |                  |                     | SR                 | SR                  | EL           | 1         |       |     |

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | S83 H1      |

|        |          |     |           |     |            |    |          |    |          |            |           |              |              |       |     |       |           |       |      |
|--------|----------|-----|-----------|-----|------------|----|----------|----|----------|------------|-----------|--------------|--------------|-------|-----|-------|-----------|-------|------|
| CONSC  | LATITUDE |     | LONGITUDE |     | TIME (GMT) |    | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |       |     |       |           |       |      |
| CAST # | DEG      | MIN | DEG       | MIN | DAY        | MO | YR       | HR | MIN      | (°C)       | (%)       | (mb)         | (deg)        | (kts) | (m) |       |           |       |      |
| 055    | 58       | 57  | 23        | N   | 15         | 14 | 6        | 51 | W        | 17         | SEP       | 25           | 09           | 52    | 11  | 70951 | 000009313 | 150.5 | KSL6 |

|             |                   |              |                  |                      |
|-------------|-------------------|--------------|------------------|----------------------|
| SBE 9+      | FLUOR S/N         | WEATHER OBS. | SFC/Bottom Temp. | MAX. DEPTH = 145.4 m |
| PRESS SN    | SBE43-Oxy (prime) | REMARKS:     |                  |                      |
| PRI TEMP SN | SBE43-Oxy (sec)   |              |                  |                      |
| SEC TEMP SN | Transmissometer   |              |                  |                      |
| PRI COND SN | PAR S/N           |              |                  |                      |
| SEC COND SN | O2 Trmp Sensor No |              |                  |                      |

|               |        |                      |         |        |           |          |                |      |  |          |  |
|---------------|--------|----------------------|---------|--------|-----------|----------|----------------|------|--|----------|--|
| Rosette Notes |        | Sample Bottle Number |         | Chloro |           | Flow Cyt |                | eDNA |  | Comments |  |
| NIS           | DEPTH  | Salt:Btl             | Nut:Btl | O2:Btl | DIC / ALK | GFF      | >10 micron Vol |      |  |          |  |
| No.           | DESRED |                      |         |        |           |          |                |      |  |          |  |

|    |        |  |      |  |  |     |  |   |       |  |  |    |
|----|--------|--|------|--|--|-----|--|---|-------|--|--|----|
| 1  | Bot    |  | 1345 |  |  |     |  |   | E3112 |  |  | 1  |
| 2  | Bot    |  |      |  |  |     |  |   |       |  |  | 2  |
| 3  | 100    |  | 1346 |  |  |     |  |   |       |  |  | 3  |
| 4  | 75     |  | 1347 |  |  |     |  |   |       |  |  | 4  |
| 5  | 50     |  | 1348 |  |  | 278 |  |   |       |  |  | 5  |
| 6  | 40     |  | 1349 |  |  | 278 |  |   |       |  |  | 6  |
| 7  | 30     |  |      |  |  |     |  |   | E3113 |  |  | 7  |
| 8  | 30     |  | 1350 |  |  | 278 |  |   |       |  |  | 8  |
| 9  | 20     |  | 1351 |  |  | 278 |  |   |       |  |  | 9  |
| 10 | 10     |  | 1352 |  |  | 278 |  | X | E3114 |  |  | 10 |
| 11 | 0      |  | 1353 |  |  | 278 |  |   |       |  |  | 11 |
| 12 | —      |  |      |  |  |     |  |   |       |  |  | 12 |
| 1  | Inline |  | EN   |  |  | RL  |  |   |       |  |  | 1  |



|              |             |          |           |           |      |     |    |     |            |               |            |               |                  |                 |                  |                 |                  |              |
|--------------|-------------|----------|-----------|-----------|------|-----|----|-----|------------|---------------|------------|---------------|------------------|-----------------|------------------|-----------------|------------------|--------------|
| CONSC CAST # | 0875849.99N | LATITUDE | 15157.79W | LONGITUDE | 175E | DAY | MO | YR  | HR         | MIN           | TIME (GMT) | DRY BULB (°C) | RH (%)           | Pressure (mb)   | WIND DIRN. (deg) | WIND SPD. (kts) | BOTTOM DEPTH (m) | STA. NAME/ID |
| DEG          | MIN         | DEG      | MIN       | DAY       | MO   | YR  | HR | MIN | TIME (GMT) | DRY BULB (°C) | RH (%)     | Pressure (mb) | WIND DIRN. (deg) | WIND SPD. (kts) | BOTTOM DEPTH (m) | STA. NAME/ID    |                  |              |
|              |             |          |           |           |      |     |    |     |            |               |            |               |                  |                 |                  |                 |                  | 454          |

SBE 9+FLUOR S/N  
PRESS SNSBE43-Oxy (prime)  
PRT TEMP SNSBE43-Oxy (sec)  
SEC TEMP SNTransmissometer  
PRT COND SNPAR S/N  
SEC COND SNO2 Temp Sensor No

WEATHER OBS:  
REMARKS:  
SFC/BOTTOM Temp  
MAX DEPTH = 93.6m

| NIS | DEPTH   | Rosette Notes | Sample Bottle Number |          |        |           | Chloro |                |  |  | Flow Cyt | eDNA  | Comments |  |  |  | NIS |
|-----|---------|---------------|----------------------|----------|--------|-----------|--------|----------------|--|--|----------|-------|----------|--|--|--|-----|
| No. | DESIRED |               | Salt Btl             | Nut. Btl | O2 Btl | DIC / ALK | GFF    | >10 micron Vol |  |  |          |       |          |  |  |  | No. |
| 1   | BOT     |               |                      | 1363     |        |           |        |                |  |  |          | E3115 |          |  |  |  | 1   |
| 2   | BOT     |               |                      |          |        |           |        |                |  |  |          |       |          |  |  |  | 2   |
| 3   | 75      |               |                      | 1364     |        |           | 278    |                |  |  |          |       |          |  |  |  | 3   |
| 4   | 50      |               |                      | 1365     |        |           | 278    |                |  |  |          |       |          |  |  |  | 4   |
| 5   | 40      |               |                      | 1366     |        |           | 278    |                |  |  |          |       |          |  |  |  | 5   |
| 6   | 30      |               |                      |          |        |           |        |                |  |  |          | E3116 |          |  |  |  | 6   |
| 7   | 30      |               |                      | 1367     |        |           | 278    |                |  |  |          |       |          |  |  |  | 7   |
| 8   | 20      |               |                      | 1368     |        |           | 278    |                |  |  |          |       |          |  |  |  | 8   |
| 9   | 10      |               |                      |          |        |           |        |                |  |  |          | E3117 |          |  |  |  | 9   |
| 10  | 10      |               |                      | 1369     |        |           | 278    |                |  |  | X        |       |          |  |  |  | 10  |
| 11  | 10      |               |                      | 1370     | 351    |           | 278    |                |  |  |          |       |          |  |  |  | 11  |
| 12  |         |               |                      |          |        |           |        |                |  |  |          |       |          |  |  |  | 12  |
| 1   |         | Inline        |                      |          |        |           | 5RL    |                |  |  | 5RL      | ZC    |          |  |  |  | 1   |

|             |           |                      |               |             |
|-------------|-----------|----------------------|---------------|-------------|
| VESSEL      | CRUISE ID | PROJECT & LEG        | CTD FileName: | STATION NO. |
| OSCAR DYSON | DY2508    | EcoFOCI Fall Mooring |               | 58641       |

|        |          |     |           |     |            |          |    |          |            |           |              |              |       |       |     |        |       |      |
|--------|----------|-----|-----------|-----|------------|----------|----|----------|------------|-----------|--------------|--------------|-------|-------|-----|--------|-------|------|
| CONSC  | LATITUDE |     | LONGITUDE |     | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |       |       |     |        |       |      |
| CAST # | DEG      | MIN | DEG       | MIN | DAY        | MO       | YR | HR       | MIN        | (°C)      | (%)          | (mb)         | (deg) | (kts) | (m) |        |       |      |
| 088    | 58       | 46  | 1         | 52  | 04         | 32       | W  | 17       | 5          | 12        | 59           | 11           | 00    | 96    | 100 | 035114 | 129.9 | 1653 |

|             |                   |              |                  |                     |
|-------------|-------------------|--------------|------------------|---------------------|
| SBE 9+      | FLUOR S/N         | WEATHER OBS. | SFC/Bottom Temp. | MAX DEPTH = 126.1 m |
| PRESS SN    | SBE43-Oxy (prime) | REMARKS:     |                  |                     |
| PRI TEMP SN | SBE43-Oxy (sec)   |              |                  |                     |
| SEC TEMP SN | Transmissometer   |              |                  |                     |
| PRI COND SN | PAR S/N           |              |                  |                     |
| SEC COND SN | O2 Trmp Sensor No |              |                  |                     |

|     |       |               |                      |        |                |          |      |          |     |
|-----|-------|---------------|----------------------|--------|----------------|----------|------|----------|-----|
| No. | DEPTH | Rosette Notes | Sample Bottle Number | Chloro | >10 micron Vol | Flow Cyt | cDNA | Comments | No. |
| 1   | 301   |               | 1371 311             |        |                |          |      |          | 1   |
| 2   | 100   |               | 1372                 |        |                |          |      |          | 2   |
| 3   | 75    |               | 1373                 |        |                |          |      |          | 3   |
| 4   | 50    |               | 1374                 | 276    |                |          |      |          | 4   |
| 5   | 40    |               | 1375                 | 278    |                |          |      |          | 5   |
| 6   | 30    |               | 1376                 | 278    |                |          |      |          | 6   |
| 7   | 20    |               | 1377                 | 278    |                |          |      |          | 7   |
| 8   | 10    |               | 1378                 | 278    |                |          |      |          | 8   |
| 9   | 0     |               | 1379                 | 278    |                |          |      |          | 9   |
| 10  |       |               |                      |        |                |          |      |          | 10  |
| 11  |       |               |                      |        |                |          |      |          | 11  |
| 12  |       |               |                      |        |                |          |      |          | 12  |
| 1   |       | Inline        |                      |        |                |          |      |          | 1   |

Recorder Initials:



| VESSEL             |  | CRUISE ID         |  | PROJECT & LEG           |  | CTD Filename:    |  | STATION NO.       |  |      |  |          |  |           |  |          |  |              |  |              |  |
|--------------------|--|-------------------|--|-------------------------|--|------------------|--|-------------------|--|------|--|----------|--|-----------|--|----------|--|--------------|--|--------------|--|
| OSCAR DYSON        |  | DY2508            |  | EcoFOCI Fall Mooring    |  |                  |  | 587 H1            |  |      |  |          |  |           |  |          |  |              |  |              |  |
| CONSC CAST #       |  | LATITUDE          |  | LONGITUDE               |  | TIME (GMT)       |  | DRY BULB          |  | RH   |  | Pressure |  | WIND DIRN |  | WIND SPD |  | BOTTOM DEPTH |  | STA. NAME/ID |  |
| 0995842.22N        |  | 15211.14W         |  | 1756925                 |  | 140010.8         |  | 97100033816       |  | 1127 |  | 124      |  | K52       |  |          |  |              |  |              |  |
| SBE 9+             |  | FLUOR S/N         |  | WEATHER OBS:            |  | SFC/Bottom Temp. |  | MAX DEPTH = 124 m |  |      |  |          |  |           |  |          |  |              |  |              |  |
| PRESS SN           |  | SBE43-Oxy (prine) |  | REMARKS:                |  |                  |  |                   |  |      |  |          |  |           |  |          |  |              |  |              |  |
| PRI TEMP SN        |  | SBE43-Oxy (sec)   |  | Also SE-01 Mooring Site |  |                  |  |                   |  |      |  |          |  |           |  |          |  |              |  |              |  |
| SEC TEMP SN        |  | Transmissometer   |  |                         |  |                  |  |                   |  |      |  |          |  |           |  |          |  |              |  |              |  |
| PRI COND SN        |  | PAR S/N           |  |                         |  |                  |  |                   |  |      |  |          |  |           |  |          |  |              |  |              |  |
| SEC COND SN        |  | O2 Temp Sensor No |  |                         |  |                  |  |                   |  |      |  |          |  |           |  |          |  |              |  |              |  |
| Recorder Initials: |  |                   |  |                         |  |                  |  |                   |  |      |  |          |  |           |  |          |  |              |  |              |  |

[illegible]

| VESSEL       | CRUISE ID       | PROJECT & LEG        | CITD FileName:  | STATION NO.  |    |
|--------------|-----------------|----------------------|---|--|----|
| Oscar Dyson  | DY2508          | EcoFOCI Fall Mooring |   |  |    |
| CONSC CAST # | DEG             | LATITUDE MIN         | DEG   | LONGITUDE MIN DAY MO YR TIME (GMT) DRY BULB RH Pressure WIND DIRN WIND SPD BOTTOM DEPTH STA. NAME/ID |    |
| 09157        | 43              | .261                 | N152  | 17.05W 17SEP25 2332 . 79100314412 193 CBIA   |    |
| SPE 9+       | FLUOR S/N       | SBE43-Oxy (prime)    | WEATHER OBS:  | SEC/BOTTOM Temp MAX DEPTH = 184 m  |    |
| PRESS SN     | SBE43-Oxy (sec) | Transmissometer      | REMARKS:  |  |    |
| PRI TEMP SN  | PAR S/N         | OZ Trip Sensor No    |   |  |    |
| SEC COND SN  |                 |                      |   |  |    |
| No.          | DEPTH DESIRED   | Rosette Notes        | Sample Bottle Number Salt:Btl Nutr:Btl O2:Btl DIC / ALK | Chloro GFF >10 micron Vol Flow Cyt eDNA Comments NIS No.   |    |
| 1            | BOT ✓           |                      | 1398  | 278  | 1  |
| 2            | 152 ✓           |                      | 1399  |  | 2  |
| 3            | 100 ✓           |                      | 1400  |  | 3  |
| 4            | 75 ✓            |                      | 1401  |  | 4  |
| 5            | 52 ✓            |                      | 1402  | 278  | 5  |
| 6            | 40 ✓            |                      | 1403  | 278  | 6  |
| 7            | 30 ✓            |                      | 1404  | 278  | 7  |
| 8            | 20 ✓            |                      | 1405  | 278  | 8  |
| 9            | 10 ✓            |                      | 1406  | 278  | 9  |
| 10           | 0 ✓             |                      | 1407  | 278  | 10 |
| 11           |                 |                      |   |  | 11 |
| 12           |                 |                      |   |  | 12 |
| 1            | Inline          |                      | AB/PAN  | SWJ  | 1  |