

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 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 | YR | (°C) | (%) | (mb) | (deg) | (kts) | (m) | | |
| 001 | 55 | 11.24 | N | 16 14 1.03 | W | 26 | APR | 15 | 16 24 | 4.2 | 74 | 10 10 | 28920 | 75.6 | 001 |
| SBE 9+ | 0291 | | | FLUOR S/N (NTV) | | FL NUTRIED 2057 | | WEATHER OBS: 7 clouds/ | | SFC/Bottom Temp. | | 4.5/4.5 °C | | MAX. DEPTH = 64.6 m | |
| PRESS SN | | | | SBE43-Oxy (prime) | | 1961 | | REMARKS: | | | | | | | |
| PRI TEMP SN | 237C | | | SBE43-Oxy (sec) | | 1876 | | Recover Ruler Bay mooring ~14PA-1A | | | | | | | |
| SEC TEMP SN | 4379 | | | Transmissometer | | | | | | | | | | | |
| PRI COND SN | 2985 | | | PAR S/N | | 70296 | | | | | | | | | |
| SEC COND SN | 3127 | | | 92°F temp sensor ad. | | | | | | | | | | | |
| Fluor + Turb meter | | | | | | | | | | | | | | Recorder Initials: SB | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEI | | Chloro | | POC | | Comments | | NIS No. | | | |
| 1 | 3.0t | | | SALT | Nut.Btl | O2-Btl/No | DIC/AIk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | |
| 2 | 1 | | | 3 | - | 14/2 | | | | | | | 1 | | |
| 3 | | | | | | | | | | | | | 2 | | |
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| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 2 | | | | | | | | | | | | | |
|-----------------------|--|--------------------------|--|---|--|------------------------------|--|--------------------|----|-----|------|-----|------|-------|-------|---------------|--------------|--------------|--------------|------|--|
| CONSC CAST # | | LATITUDE 54° 20.63' N | | LONGITUDE 165° 26.09' W | | TIME (GMT) 27 APR 15 1036 | | DRY BULB 4.1 °C | | | | | | | | | | | | | |
| DEG | | MIN | | DEG | | MIN | | MO | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID | | |
| 54 | | 20 | | 54 | | 26 | | 09 | W | | | | | | | | | | 156 | UBS4 | |
| 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 | | | | | | | | 02 Temp Sensor No. | | | | | | | | | | | | | |
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VESSEL

Oscar DVEON

CRUISE ID: DW1504 PROJECT & LEG: EACI Sonnen

CTD FileName

STATION NO.

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 3 | | | | | | | | |
|---|------------------|---------------------|-----------|---|--------------------|----------------|------------------|------------------|-------------|---------------|--------------|--------------|--------------|-------|------|--|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) | |
| 0035422.75 N | 165 | 14.70 W | 24 | APR | 15 | 11 | 49 | 4 | .2 | 81 | 100 | 178 | 13 | 166 | UR53 | |
| SBE 9+ PRESS SN | | | | | FLUOR S/N | | SB43-Oxy (prime) | | | | | | | | | |
| PRI TEMP SN | | | | | SB43-Oxy (sec) | | | | | | | | | | | |
| SEC TEMP SN | | | | | Transmissometer | | | | | | | | | | | |
| PRI COND SN | | | | | PAR S/N | | | | | | | | | | | |
| SEC COND SN | | | | | 02 Temp Sensor No. | | | | | | | | | | | |
| <i>Same</i> | | | | | | | | | | | | | | | | |
| REMARKS: 2nd Oxygen very low on downcast - bad 1st O2 (also no sig) | | | | | | | | | | | | | | | | |
| WEATHER OBS.: CALM SEAS SFC/Bottom Temp. 56/48°C MAX DEPTH = 160 m | | | | | | | | | | | | | | | | |
| Nis No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEL | | Chloro | | POC | Comments | Nis No. | | | | | | |
| 1 100 | | SALT | Nut.Btl | 02-Btl.No | DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | | | |
| 2 75 | | | | | | | | | | | | | | | | |
| 3 50 | | | | | | | | | | | | | | | | |
| 4 40 | | | | | | | | | | | | | | | | |
| 5 30 | | | | | | | | | | | | | | | | |
| 6 20 | | | | | | | | | | | | | | | | |
| 7 10 | | | | | | | | | | | | | | | | |
| 8 5FC | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | |
| Recorder Initials: <i>SS</i> | | | | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | PROJECT & LEG FOCI Spring Mooring Cruise | CTD File Name: | STATION NO | | | | | |
|--|------------------|---------------------|---|-------------------------|------------|------------------|---------------|-----------------------|---------------------|--------------|
| CONSC CAST # | LATITUDE | LONGITUDE | TIME (GMT) | DRY BULB (°C) | RH (%) | Pressure (mb) | WIND DIRN. | WIND SPD. (kts) | BOTTOM DEPTH (m) | STA. NAME/ID |
| 004 | 54 25.44 N | 165 08.11 W | 27 APR 15 | 13 00 | 3.5 | 89 | 1006 | 195 | 15 | 130 |
| SBE 9+ | | | FLUOR S/N | | | | | | | JB52 |
| 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. | | | | | | | |
| <p><i>No O₂ sample taken</i></p> <p><i>REMARKS:</i></p> <p>- Fins done 1st</p> <p>- Clean grease O₂ connectors</p> <p>- O₂ O₂ at sec - air? → primary / sec</p> <p>- bad vol → 20m</p> <p>- 2nd bad vol → 20m</p> <p>w/ change core</p> <p>Recorder Initials: SB</p> | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | Hydro Team-PMEI | Chloro | POC | Comments | NIS No. | | | |
| | | | | | | | | | | |
| 1 | 21m | | | | | | 1 | | | |
| 2 | 100 | | 22 | >10 Large Vol | | | 2 | | | |
| 3 | 35 | | 23 | GFF Dup Vol >10 dup vol | | | 3 | | | |
| 4 | 50 | | 24 | | | | 4 | | | |
| 5 | 40 | | 25 | | | | 5 | | | |
| 6 | 30 | | 26 | | | | 6 | | | |
| 7 | 20 | | 27 | | | | 7 | | | |
| 8 | 10 | | 28 | | | | 8 | | | |
| 9 | 2FCL | | 283 | | | | 9 | | | |
| 10 | | | 283 | | | | 10 | | | |
| 11 | | | | | | | 11 | | | |
| 12 | | | | | | | 12 | | | |
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VESSEL

Oscar Dysom

CRUISE ID _____
PROJECT & LEG _____

CTD FileName:

| VESSEL | | CRUISE ID | | PROJECT & LEG | | CTD File Name: | | STATION NO. | | | | | |
|--|------------------|-------------------|-----------|----------------------------|-----------------|----------------|-----------|-------------|---------------|-------------|-------------|--------------|--------------|
| Oscar Dyson | | DY1504 | | FOCI Spring Mooring Cruise | | | | 6 | | | | | |
| 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 | YR | (°C) | (%) | (mb) | (deg) | (kts) | (m) | |
| 00 05 41 | 7.96 N | 164 44.29 W | 27 APR 15 | 1533 | 2.7 | 90 | 1005 | 1586 | 84 | | | | 140P-3A |
| SBE 9+ | | FLUOR S/N | | | | | | | | | | | |
| PRESS SN | | SBE43-Oxy (prime) | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | |
| <i>SAME</i> | | | | | | | | | | | | | |
| REMARKS: <i>Deeckersy - 140P-3A</i> <i>No Disc</i> | | | | | | | | | | | | | |
| Recorder Initials: <i>SS</i> | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | | Hydro Team-PMEL | | | Chloro | POC | Comments | | | NIS No. |
| 1 | 50 | | | | SALT | Nut.Btl | O2-Btl,No | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | |
| 2 | 50 | | | | 36 | 37 | | | | | | | 1 |
| 3 | 40 | | | | 38 | | | | | | | | 2 |
| 4 | 30 | | | | 39 | | | | | | | | 3 |
| 5 | 20 | | | | 40 | | | | | | | | 4 |
| 6 | 10 | | | | 41 | | | | | | | | 5 |
| 7 | 0 | | | | 42 | x270 | | | | | | | 6 |
| 8 | | | | | | | | | | | | | 7 |
| 9 | | | | | | | | | | | | | 8 |
| 10 | | | | | | | | | | | | | 9 |
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| Inline | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: 057 | | STATION NO. 057 | |
|-----------------------|------------------|---------------------|-----------------|---|---------------|-----------------------|---------------|--------------------|---------------|
| CONSC CAST # | | LATITUDE | | LONGITUDE | | TIME (GMT) | DRY BULB | RH | WIND DIRN. |
| DEG | MIN | | | DEG | MIN | DAY | MO | YR | (°C) |
| 0 0 7 5 4 | 4 3 . 0 2 N | | | 1 6 1 4 6 . 9 5 W | 2 7 A P R 1 5 | 2 0 3 4 | 4 . 3 | 8 2 | 4 8 |
| SBE 9+ | | | | | | FLUOR S/N | | | WIND SPD. |
| PRESS SN | | | | | | SBE43-Dwy (prime) | | | BOTTOM DEPTH |
| PRI TEMP SN | | | | | | SBE43-Oxy (sec) | | | STA. NAME/ID |
| SEC TEMP SN | | | | | | Transmissometer | | | |
| PRI COND SN | | | | | | PAR S/N | | | |
| SEC COND SN | | | | | | 02 Tmp Sensor No. | | | |
| REMARKS: | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | |
| SFC/Bottom Temp. | | | | | | | | | |
| MAX. DEPTH = 41 m | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | Hydro Team-PMEI | | Chloro | POC | <i>Phyt</i> | Comments | NIS No. |
| | | | SALT | Nut.Btl | 02-Btl.No | GFF Vol | >10 Large Vol | GFF Dup Vol | 500 ml |
| 1 | <i>Bt</i> | | <i>6</i> | <i>43</i> | <i>29</i> | <i>285</i> | | | 1 |
| 2 | <i>30</i> | | <i>44</i> | | | <i>389</i> | | | 2 |
| 3 | <i>20</i> | | <i>45</i> | | | <i>383</i> | | | 3 |
| 4 | <i>10</i> | | <i>46</i> | | | <i>379</i> | | | 4 |
| 5 | <i>Q</i> | | <i>47</i> | | | <i>383</i> | | | 5 |
| 6 | | | | | | | | | 6 |
| 7 | | | | | | | | | 7 |
| 8 | | | | | | | | | 8 |
| 9 | | | | | | | | | 9 |
| 10 | | | | | | | | | 10 |
| 11 | | | | | | | | | 11 |
| 12 | | | | | | | | | 12 |
| - | | Inline | | | | | | | - |

Recorder Initials:

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 9 | | | | |
|-----------------------|-------------------|---------------------|-------------|---|---------------|----------------|---------|------------------|---------------|--------------|--------------|--------------|
| CONSC CAST # | LATITUDE | DEG | MIN | DEG | MIN | DAY | MO | YR | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |
| 0 0 9 5 4 5 6 . 2 2 N | 1 6 4 5 9 . 5 7 W | 2 7 0 4 | 1 5 2 2 4 5 | 4 . 5 0 8 5 | 1 0 0 4 2 4 0 | 1 3 | | | 9 3 | | U B E I | |
| DEG | MIN | DEG | MIN | DAY | MO | YR | HR | MIN | (°C) | (%) | (mb) | (deg) |
| SBE 9+ | | | | | | | | | | | | (kts) |
| PRESS SN | | | | | | | | | | | | (m) |
| PRI TEMP SN | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | |
| SBE43-Oxy (prime) | | | | | | | | | | | | |
| SBE43-Oxy (sec) | | | | | | | | | | | | |
| Transmissometer | | | | | | | | | | | | |
| PAR S/N | | | | | | | | | | | | |
| 02 Tmp Sensor No. | | | | | | | | | | | | |
| FLUOR S/N | | | | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | | | | |
| REMARKS: | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRRED | Rosette Notes | | Hydro Team-PMEL | | Chloro | POC | Phyt | Comments | | | NIS No. |
| 1 | Bottom | | | SALT | Nut.Btl | 02-Btl.No | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | |
| 2 | 50 | | | 55 | 208 | | | | | | | 1 |
| 3 | 40 | | | 56 | | | | | | | | 2 |
| 4 | 30 | | | 57 | | | | | | | | 3 |
| 5 | 20 | | | 58 | | | | | | | | 4 |
| 6 | 10 | | | 59 | | | | | | | | 5 |
| 7 | 0 | | | 60 | | | | | | | | 6 |
| 8 | | | | 61 | | | | | | | | 7 |
| 9 | | | | | | | | | | | | 8 |
| 10 | | | | | | | | | | | | 9 |
| 11 | | | | | | | | | | | | 10 |
| 12 | | | | | | | | | | | | 11 |
| 1 | | | | | | | | | | | | 12 |
| Inline | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: DY1504 | | STATION NO. 10 | | | | |
|-----------------------|------------------|----------------------------------|-----------|---|----------|--------------------------|----------|-------------------|--------------|--------------|--------------|----|
| 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 | YR | (%) | (mb) | (deg) | (kts) | |
| 0 | 10 | 55 | 02.79 | N | 16 | 50 | 6.70 | W | 28 APR 15 | 0030 | 4.2 | 85 |
| SBE 9- | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | |
| REMARKS: | | | | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | | | | |
| SFC/Bottom Temp. | | | | | | | | | | | | |
| MAX. DEPTH = 106 m | | | | | | | | | | | | |
| Recorder Initials: | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes Hydro Team-PMEL | | Chloro | POC | Phy† | Comments | NIS No. | | | | |
| 1 | 30 | | | | | | | 1 | | | | |
| 2 | 75 | | | | | | | 2 | | | | |
| 3 | 50 | | | | | | | 3 | | | | |
| 4 | 40 | | | | | | | 4 | | | | |
| 5 | 30 | | | | | | | 5 | | | | |
| 6 | 20 | | | | | | | 6 | | | | |
| 7 | 10 | | | | | | | 7 | | | | |
| 8 | D | | | | | | | 8 | | | | |
| 9 | | | | | | | | 9 | | | | |
| 10 | | | | | | | | 10 | | | | |
| 11 | | | | | | | | 11 | | | | |
| 12 | | | | | | | | 12 | | | | |
| 1 | | | | | | | | 1 | | | | |
| Inline | | | | | | | | | | | | |

VESSEL

Oscar Dyson

CRUISE ID
DY1504

PROJECT & LEG

CTD FileName

STATION NO.

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| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 12 | | | | | |
|--|------------------|---------------------|--------------------|---|------------|----------------|----------|-------------------|----------|---------------|--------------|--------------|--------------|
| 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 | YR | (%) | (mb) | (deg) | (kts) | (m) | |
| 0125455.84 N | 16529.60 W | | 28 Apr 15 | 024804.0 | 088 | 100 | 424816 | | 125 | UBW4 | | | |
| SBE 9+ PRESS SN | | | FLUOR S/N | | | | | | | | | | |
| PRI TEMP SN | | | SBE43-Oxy (prime) | | | | | | | | | | |
| SEC TEMP SN | | | SBE43-Oxy (sec) | | | | | | | | | | |
| PRI COND SN | | | Transmissometer | | | | | | | | | | |
| SEC COND SN | | | PAR S/N | | | | | | | | | | |
| | | | 02 Trip Sensor No. | | | | | | | | | | |
| REMARKS: WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 119 m | | | | | | | | | | | | | |
| Recorder Initials: | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PME | | Chloro | POC | Comments | | NIS No. | | | |
| 1 | Bot | | | 79 | | | | | | 1 | | | |
| 2 | 100 | | | 80 | | | | | | 2 | | | |
| 3 | 75 | | | 81 | | | | | | 3 | | | |
| 4 | 50 | | | 82 | | | | | | 4 | | | |
| 5 | 40 | | | 83 | | | | | | 5 | | | |
| 6 | 30 | | | 84 | | | | | | 6 | | | |
| 7 | 20 | | | 85 | | | | | | 7 | | | |
| 8 | 10 | | | 283 | | | | | | 8 | | | |
| 9 | 0 | | | 279 | | | | | | 9 | | | |
| 10 | | | | 283 | | | | | | 10 | | | |
| 11 | | | | | | | | | | 11 | | | |
| 12 | | | | | | | | | | 12 | | | |
| - | | | | | | | | | | - | | | |
| inline | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: DY1504 | | STATION NO. 13 | | | | | | | | | |
|-----------------------|------------------|---------------------|------------------|---|-----|--------------------------|---------------|-------------------|-------------------|-----------|------------------|------------------------|-----------------------|---------------------|----------------------|-----|------|
| CONSC CAST # | LATITUDE DEG | MIN | LONGITUDE DEG | MIN | DAY | MO | YR | TIME (GMT) | DRY BULB (°C) | RH (%) | Pressure (mb) | WIND DIRN. (deg) | WIND SPD. (kts) | BOTTOM DEPTH (m) | STA. NAME/ID UBN3 | | |
| | 013 | 54 | 51 | .9 | 2 | N | 10540 | .00 | 2849 | 15 | 8406 | 04. | 1685 | 1604248 | 17 | 143 | UBN3 |
| SBE 9+ | | | | | | | | | FLUOR S/N | | | | | | | | |
| PRESS SN | | | | | | | | | SBE-3-Oxy (prime) | | | | | | | | |
| PRI TEMP SN | | | | | | | | | SBE-3-Oxy (sec) | | | | | | | | |
| SEC TEMP SN | | | | | | | | | Transmissometer | | | | | | | | |
| PRI COND SN | | | | | | | | | PAR S/N | | | | | | | | |
| SEC COND SN | | | | | | | | | 02 Tmp Sensor No. | | | | | | | | |
| | | | | | | | | | | | | | | WEATHER OBS: | | | |
| | | | | | | | | | | | | | | SFC Bottom Temp. | | | |
| | | | | | | | | | | | | | | MAX. DEPTH = 135 m | | | |
| | | | | | | | | | | | | | | REMARKS: | | | |
| | | | | | | | | | | | | | | RECORDED BY: | | | |
| | | | | | | | | | | | | | | Recorder Initials: | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEL | | Chloro | | POC | <i>Dhyl</i> | Comments | NIS No. | | | | | | |
| 1 | Bottom | | | | | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | | | | |
| 2 | 100 | | | | | | | | | | 1 | | | | | | |
| 3 | 25 | | | | | | | | | | 2 | | | | | | |
| 4 | 50 | | | | | | | | | | 3 | | | | | | |
| 5 | 40 | | | | | | | | | | 4 | | | | | | |
| 6 | 30 | | | | | | | | | | 5 | | | | | | |
| 7 | 20 | | | | | | | | | | 6 | | | | | | |
| 8 | 10 | | | | | | | | | | 7 | | | | | | |
| 9 | 0 | | | | | | | | | | 8 | | | | | | |
| 10 | | | | | | | | | | | 9 | | | | | | |
| 11 | | | | | | | | | | | 10 | | | | | | |
| 12 | | | | | | | | | | | 11 | | | | | | |
| - | | | | | | | | | | | 12 | | | | | | |
| | | | | | | | | | | | | | | Initials | | | |

VESSEL

Oscar Dyson

CRUISE ID
DY1504

PROJECT & LEG
FOCI Spring Mooring Cruise

CTD FileName:

STATION NO.

19

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | PROJECT & LEG FOCI Spring Mooring Cruise | CTD File Name: <i>DY1524</i> | STATION NO. 15 | | | | | | | | | | | | | | | |
|--|------------------|---------------------|---|---------------------------------|-------------------|----|----|---------|---------------|-------------|-------------|------|---------|----------|-----|---------------|--------------|---------------|--------------|-----------------|
| CONSC CAST # | DEG LATITUDE | MIN | DEG LONGITUDE | MIN | DAY | MO | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) | WIND DIRN. | WIND SPD. | WIND DIRN. | WIND SPD. | STATION NAME/ID |
| 0 1 5 5 4 4 | 5.2 | 1 | N | 16 4 5 3. | 38 | W | 28 | APR | 15 | 0629 | 04 | 3081 | 1005247 | 12 | 219 | | UBNL | UBNL | | |
| SBE 9+ | | | | | | | | | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | | | | | | | |
| <p>WEATHER OBS: REMARKS: <i>Sea's picked up some heat. Good role.</i></p> <p>SFC/Bottom Temp. MAX DEPTH = 211 m</p> | | | | | | | | | | | | | | | | | | | | |
| <p>Recorder Initials: <i>[initials]</i></p> | | | | | | | | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | | Hydro Team-PMEL | | | Chloro | | | POC | | | Comments | | | NIS No. | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 1 | 130t | | X 10 | 107 | X 31 | | | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | | | | | | | | | |
| 2 | 150 | | | | | | | | | | | | | | | | | | | |
| 3 | 100 | | | | | | | | | | | | | | | | | | | |
| 4 | 75 | | | | | | | | | | | | | | | | | | | |
| 5 | 50 | | | | | | | | | | | | | | | | | | | |
| 6 | 40 | | | | | | | | | | | | | | | | | | | |
| 7 | 30 | | | | | | | | | | | | | | | | | | | |
| 8 | 20 | | | | | | | | | | | | | | | | | | | |
| 9 | 10 | | | | | | | | | | | | | | | | | | | |
| 10 | 0 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | | | | | | | | |
| <p>Inline</p> | | | | | | | | | | | | | | | | | | | | |

| | | | |
|-----------------------|---------------------|---|---|
| VESSEL Oscar Dyson | CRUISE ID DY1504 | PROJECT & LEG FOCI Spring Mooring Cruise | CTD FileName: 17 |
| CONSC CAST # | LATITUDE DEG MIN | LONGITUDE DEG MIN | TIME (GMT) DAY MO YR HR MIN (°C) (%) (mb) (deg) (kts) DRY BULB RH Pressure DIRN. WIND SPD. BOTTOM DEPTH STA. NAME/ID |
| 01 7 54 | 34.88 N | 1607.37 W | 28 APR 15 1003 3.6 83 1004 209 10 45 4.9 / 3.8 MAX DEPTH = 4105 m |
| SBE 9+ | | | FLUOR S/N SBE43-Oxy (prime) |
| PRESS SN | | | SBE43-Dry (sec) |
| PRI TEMP SN | | | Transmissometer |
| SEC TEMP SN | | | PART/S/N |
| PRI COND SN | | | 02 Tmp Sensor No. |
| SEC COND SN | | | |
| <i>17</i> | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes SALT Nut.Btl 02-Btl.No DIC/Alk | Hydro Team-PMEL Chloro GFF Vol >10 large Vol GFF Dup Vol >10 dup vol POC 500 ml Comments Nis No. |
| 1 | 314 | 122 | X28 |
| 2 | 300 | 129 | 4088 |
| 3 | 200 | 130 | |
| 4 | 100 | 131 | |
| 5 | 75 | 132 | |
| 6 | 50 | 133 | |
| 7 | 40 | 134 | |
| 8 | 30 | 135 | |
| 9 | 20 | 136 | |
| 10 | 10 | 137 | |
| 11 | 0 | 138 | |
| 12 | | 139 | |
| 1 | Inline | | |

Recorder Initials: *SB*

*SHIP WENT at deployment (100m) at 0000Z
Oxygen on downcast through top 20m very low
020 ppm in bottom ~30m*

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | PROJECT & LEG FOCI Spring Mooring Cruise | CTD File Name: | | STATION NO. 19 | | | | | | |
|----------------------------|------------------|---------------------|---|----------------|-----------------|-------------------|-----------|---------------|---------------|--------------|--------------|------------|
| 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 | YR | (°C) | (%) | (mb) | (deg) | (kts) | (m) |
| 0 19 54 | 21.69 N | 165 56.01 W | 28 APR 21 5 14 32 | 4.3 | 86 | 1000 | 16.3 | 13 | 475 | 0830 | | |
| SBE 9+ | | | FLUOR S/N | | | | | | | | | |
| PRESS SN | | | SBE43-Droy (prime) | | | | | | | | | |
| PRI TEMP SN | | | SBE43-Droy (sec) | | | | | | | | | |
| SEC TEMP SN | | | Transmissometer | | | | | | | | | |
| PRI COND SN | | | PAR S/N | | | | | | | | | |
| SEC COND SN | | | 02 Trip Sensor No. | | | | | | | | | |
| <i>Sample</i> | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | | Hydro Team-PMEL | | | Chloro | POC | Comments | | NIS No. |
| 1 | 300 | | | | SALT | Nut.Btl | 02-Btl.No | GFF Vol | >10 large Vol | GFF Dup Vol | >10 dup vol | 500 ml |
| 2 | 200 | | | | 150 | X164 | | | | | | |
| 3 | 100 | | | | 152 | | | | | | | |
| 4 | 75 | | | | 153 | | | | | | | |
| 5 | 50 | | | | 154 | | | | | | | |
| 6 | 40 | | | | 155 | | | | | | | |
| 7 | 30 | | | | 156 | | | | | | | |
| 8 | 20 | | | | 157 | | | | | | | |
| 9 | 10 | | | | 158 | | | | | | | |
| 10 | 0 | | | | 159 | | | | | | | |
| 11 | | | | | 160 | | | | | | | |
| 12 | | | | | | | | | | | | |
| 1 | Inline | x13 - 17:07 | | | | | | | | | | |
| Sal - 31.7633 Chlor - 1.63 | | | | | | | | | | | | |

VESSEL

Oscar Dyson

CTD FileName:

ATION NO.

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: 20 | | | | | | | | |
|-----------------------|------------|---------------------|-------------------|---|----------|----------------------|----------|---------------|--------------|--------------|--------------|------------------------------|-----|-------------------|
| CONSC CAST # | LATITUDE | LONGITUDE | | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID | STATION NO. 20 | | |
| | DEG MIN | DEG MIN | DAY | MO | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) | |
| SBE 9+ | 54 03.5 | 167 03.7 | 15 | APR | 15 | 15 | 16 | 3.5 | 87 | 1000 | 263 | 13 | 994 | 14 JUL 1A |
| PRESS SN | | | FUJOR S/N | | | | | | | | | | | |
| PRI TEMP SN | | | SBE43-Dwy (prime) | | | | | | | | | | | |
| SEC TEMP SN | | | SBE43-Dwy (sec) | | | | | | | | | | | |
| PRI COND SN | | | Transmissometer | | | | | | | | | | | |
| SEC COND SN | | | PAR S/N | | | | | | | | | | | |
| 02 Tmp Sensor No. | | | | | | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | | | | 4.9 | 3.0 | MAX DEPTH = 983 m |
| REMARKS: | | | | | | | | | | | | Some drg. wave back by 14 cm | | |
| 14 JUL 1A Recovery | | | | | | | | | | | | | | |

| Nis No. | DEPTH DESIRED | Rosette Notes | Hydro Team-PMEL | | | | Chloro | | | POC | Phyt | Comments | Nis No. |
|------------|------------------|-----------------------|-----------------|---------|-----------|---------|---------|---------------|-------------|-------------|--------|----------|------------|
| | | | SALT | Nut.Btl | O2-Btl.No | DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | |
| 1 | 35m | x 14 | 161 | x 179 | | | | | | | | 98.3% | 1 |
| 2 | 500 | | 162 | x 190 | | | | | | | | | 2 |
| 3 | 250 | | 163 | x 212 | | | | | | | | | 3 |
| 4 | 150 | middle O ₂ | 164 | x 219 | | | | | | | | | 4 |
| 5 | 100 | | 165 | | | | | | | | | | 5 |
| 6 | 50 | | 166 | | | | | | | | | | 6 |
| 7 | 40 | | 167 | | | | | | | | | | 7 |
| 8 | 30 | | 168 | | | | | | | | | | 8 |
| 9 | 20 | | 169 | | | | | | | | | | 9 |
| 10 | 10 | | 170 | | | | | | | | | | 10 |
| 11 | 0 | | 171 | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | 12 |
| 1 | | inline | 15 | 412915 | 288 | - | 412915 | 19.14 | | | | | 1 |

Salinity T_{mo} = 4/30/15 03:11 S = 31.8962 56.52, 39.4 Chloro Counts 84 Temp = 41.202
16403, 5700 mg/l O₂

| Vessel Oscar Dyson | | Cruise ID DY1504 | | Project & Leg FOCI Spring Mooring Cruise | | | | CTD File Name: | | | | Station No. | | |
|---|------------------|---------------------|--------|---|-----------|-------------------|---------------|------------------|-------------|-------------------|--------------|--------------|---------------|----|
| Consc Cast # | | Latitude | | Longitude | | Time (GMT) | Dry Bulb | RH | Pressure | Wind Dirn. | Wind Spd. | Bottom Depth | Sta. Name/ID | |
| 022 | 56 | S | 1.88 N | 16402.72 W | 01 MAY 15 | 150657 | 3.2 | 821013 | 2653 | | | 73 | 70m/1m2 W2 | |
| SBE 9+ | | | | FLUOR SN | | SBE43-Oxy (prime) | | SFC/Bottom Temp. | | | | | | |
| PRESS SN | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | |
| REMARKS: Max Past deployment of Surface | | | | | | | | | | | | | | |
| 3/25 - Surface T 3/27 - deep | | | | | | | | | | | | | | |
| Recorder Initials: | | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEL | | Chloro | POC | Comments | | MAX. DEPTH = 66 m | | | | |
| | | SALT | Nut.Bt | 02-Bt:No | DIC/AIk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | |
| 1 | BoF | | | | | 129 | | | | | | | | 1 |
| 2 | 50 | | | | | 180 | | | | | | | | 2 |
| 3 | 40 | | | | | 181 | | | | | | | | 3 |
| 4 | 30 | | | | | 182 | | | | | | | | 4 |
| 5 | 20 | | | | | 183 | | | | | | | | 5 |
| 6 | 10 | | | | | 184 | | | | | | | | 6 |
| 7 | 0 | | | | | 185 | | | | | | | | 7 |
| 8 | | | | | | 222 | | | | | | | | 8 |
| 9 | | | | | | 283 | | | | | | | | 9 |
| 10 | | | | | | 279 | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | 12 |
| 1 | | | | | | | | | | | | | | 1 |
| Inline | | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: ?2 | | STATION NO. ?2 | | | | | | | | | |
|---|------------------|---------------------|-----------|---|-------------------|----------------------|----------|-------------------|---------------|---------------|--------------|--------------|------------|--------|------|----|------|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kt/s) | (m) | | |
| 023 | 56 | 45.8 | 6 N | 164 | 20 | 03 | W | 01 | MAY | 15 | 0828 | 2.7 | 87 | 1014 | 2740 | 74 | 112W |
| 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 | | | | | 02 Tmp Sensor No. | | | | | | | | | | | | |
| <i>SARAH</i> | | | | | | | | | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | | | | | | | | | |
| REMARKS: SMALL O ₂ SIEVE | | | | | | | | | | | | | | | | | |
| <i>Tellies back in on CTD</i> | | | | | | | | | | | | | | | | | |
| <i>No sample</i> | | | | | | | | | | | | | | | | | |
| <i>Not in 2nd & 3rd but no water in</i> | | | | | | | | | | | | | | | | | |
| <i>bottom?</i> | | | | | | | | | | | | | | | | | |
| Recorder Initials: SB | | | | | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | | Hydro Team-PMEL | | | Chloro | | POC | Comments | | NIS No. | | | | |
| | | | | | SALT | Nut.Bt | O2-Bt,NO | DIC/ALK | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | |
| 1 | 305 | | | | 186 | 187 | 264 | | | | | | | | 1 | | |
| 2 | 50 | | | | | | | | 253 | | | | | | 2 | | |
| 3 | 40 | | | | 188 | | | | 285 | | | | | | 3 | | |
| 4 | 30 | | | | 189 | | | | 289 | | | | | | 4 | | |
| 5 | 20 | | | | 190 | | | | 283 | | | | | | 5 | | |
| 6 | 10 | | | | 191 | | | | 279 | | | | | | 6 | | |
| 7 | 0 | | | | 192 | | | | 283 | | | | | | 7 | | |
| 8 | | | | | | | | | | | | | | | 8 | | |
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| Inline | | | | | | | | | | | | | | | | | |

| VESSEL | CRUISE ID | PROJECT & LEG | CTD File Name: | STATION NO. |
|--|---------------------|---------------------------------------|---|---|
| Oscar Dyson | DY1504 | FOCI Spring Mooring Cruise | | 24 |
| CONSC CAST # | LATITUDE DEG MIN | LONGITUDE DEG MIN | TIME (GMT) DAY MO YR HR MIN (°C) | DRY BULB RH Pressure (%) (mb) (deg) DIRN. (kts) (m) |
| 0 25 56 56.7 11 N | 163 49.96 W | 01 MAY 15 12 01 21.7 86 1014 250 7 70 | WIND SPD. BOTTOM DEPTH | STA. NAME/ID |
| SBE 9+ PRESS SN | | FLUOR S/N SBE43-Oxy (prime) | | |
| PRI TEMP SN | | SBE43-Oxy (sec) | | |
| SEC TEMP SN | | Transmissometer | | |
| PRI COND SN | | PAR S/N | | |
| SEC COND SN | | 02 Tmp Sensor No. | | |
| <i>Some</i> | | | | |
| Ids of jelly → jelly in bags on CTD | | | | |
| Nis No. | DEPTH DESIRED | Rosette Notes | Hydro Team-PMEI | Chloro |
| 1 | 5M | | SALT Nut.Btl O2-Btl, No DIC/AIk | GFF Vol >10 Large Vol GFF Dup Vol >10 dup vol 500 ml |
| 2 | 50 | | 200 276 | 282 |
| 3 | 40 | | 202 203 | 285 289 |
| 4 | 30 | | | |
| 5 | 20 | | 104 | 283 |
| 6 | 10 | | 105 | 279 |
| 7 | 0 | | 106 | 283 |
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| - | | Inline | | |

VESSEL

Oscar Dyson

| | |
|------------------|-----------------------------------|
| CRUISE ID | PROJECT & LEG |
| DY1504 | FOCI Spring Mooring Cruise |

CTD FileName:

STATION NO.

VESSEL

Oscar Dyson

CRUISE ID
DY1504
PROJECT & LEG
FOCI Spring Mooring Cruise

CTD File Name:

STATION NO.

| CONSC CAST # | TIME (GMT) | | | | | | | | | | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |
|--------------------|------------|-------|-----|-----|-----|------|----|----|-----|------|------|----------|---------------|--------------|--------------|--------------|
| | DEG | MIN | DEG | MIN | DAY | MO | YR | HR | MIN | (°C) | | | | | | |
| 6 27 | 56 | 52.02 | N | 16 | 40 | 3.24 | W | 00 | 21 | 15 | 50.5 | 44.0 | 75 | 1017 | 115 | M2 |
| SBE 9+ | | | | | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| FILLER SN | | | | | | | | | | | | | | | | |
| SBE43-Dry (prime) | | | | | | | | | | | | | | | | |
| SBE43-Dry (sec) | | | | | | | | | | | | | | | | |
| Transmissometer | | | | | | | | | | | | | | | | |
| PAR S/N | | | | | | | | | | | | | | | | |
| O2 Temp Sensor No. | | | | | | | | | | | | | | | | |

WEATHER OBS:

REMARKS:

Surface T = 21.1°C
 Bottom = 3.0°C
 22 m - Tally in Sec.
 M2 Deployment Cast

Recorder Initials:

| Nis No. | DEPTH DESIRED | Hydro Team-PMEL | | | | Chloro | POC | Phyt | Comments | Nis No. |
|------------|------------------|-----------------|------|--------|----------|--------|-----|-------|----------|------------|
| | | Rosette Notes | SALT | Nut.Bu | O2-Bu/NO | | | | | |
| 1 | 34m | | | | | 211 | 313 | | | 1 |
| 2 | 34m | | | | | 211 | 319 | X X X | | 2 |
| 3 | 50 | | | | | 215 | | | | 3 |
| 4 | 40 | | | | | 216 | | | | 4 |
| 5 | 30 | | | | | 217 | | | | 5 |
| 6 | 20 | | | | | 218 | | | | 6 |
| 7 | 14-1 | | | | | 219 | | | | 7 |
| 8 | 11-2 | | | | | 220 | | | | 8 |
| 9 | 11-3 | | | | | 221 | | | | 9 |
| 10 | 0 | | | | | 222 | | | | 10 |
| 11 | 0 | | | | | 223 | | | | 11 |
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| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: 28 | | STATION NO. 28 | | | | | | | |
|---|----------------|---------------------|--------------------|---|------------|----------------------|----------|-------------------|---------------|---------------|--------------|--------------|--------------|-------|-----|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) |
| 0 29 56.5 4.5 7 N | 16 44 9.5 6 W | 02 MAY 15 08 23 | 3.7 | 81 | 10 | 18 | 71 | 0.1 | | 72 | 70 M 4 | | | | |
| SBE 9+ PRESS SN | | | FLUOR S/N | | | | | | | | | | | | |
| PRI TEMP SN | | | SBE-13-Oxy (prime) | | | | | | | | | | | | |
| SEC TEMP SN | | | SBE-13-Oxy (sec) | | | | | | | | | | | | |
| PRI COND SN | | | Transmissometer | | | | | | | | | | | | |
| SEC COND SN | | | PAR-S/TN | | | | | | | | | | | | |
| <p><i>Spikes</i></p> <p><i>REMARKS:</i></p> <p><i>2000 m NAD 82.6 SLC</i></p> <p><i>Lots of Tethers</i></p> <p><i>C 10m air spout - noisy scl abd long wind spike</i></p> | | | | | | | | | | | | | | | |
| <p><i>Recorder Initials:</i></p> | | | | | | | | | | | | | | | |
| NIS No. | DEPTH DEPTH | Rosette Notes | | Hydro Team-PMEI | | Chloro | POC | Comments | | NIS No. | | | | | |
| | | | | SALT | Nut.Btl | O2-Btl.No | DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | |
| 1 | 870 | | | 230 | | | | | | | | | | 1 | |
| 2 | 80 | | | 231 | | | | 283 | | | | | | 2 | |
| 3 | 40 | | | 232 | | | | 285 | | | | | | 3 | |
| 4 | 30 | | | 233 | | | | 289 | | | | | | 4 | |
| 5 | 20 | | | 234 | | | | 283 | | | | | | 5 | |
| 6 | 10 | | | 235 | | | | 279 | | | | | | 6 | |
| 7 | 0 | | | 236 | | | | 283 | | | | | | 7 | |
| 8 | | | | | | | | | | | | | | 8 | |
| 9 | | | | | | | | | | | | | | 9 | |
| 10 | | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | | 12 | |
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| Incline | | | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | | | CTD File Name: | | | | STATION NO. 29 | | | | | | | | | |
|--|------------------|----------------------------------|-----|---|--------------------|-----|------|------------------------------|----|------------|-------------|-------------------|----------|---------------|--------------|--------------|--------------|-----|---|----|------|
| CONSC CAST # | LATITUDE | DEG | MIN | LONGITUDE | DEG | MIN | DAY | MO | YR | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID | | | | |
| 030 | 56 | 51 | .58 | N | 16 | 50 | 7.29 | W | 62 | MAU | 15 | 09 | 44 | 3.9 | 83 | 10 | 8 | 130 | 3 | 74 | 7045 |
| SBE 9+ | | | | | FLUOR S/N | | | | | | | | | | | | | | | | |
| PRESS SN | | | | | SBE43-Dry (prime) | | | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | SBE43-Dry (sec) | | | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | Transmissometer | | | | | | | | | | | | | | | | |
| PRI COND SN | | | | | PAR S/N | | | | | | | | | | | | | | | | |
| SEC COND SN | | | | | 02 Temp Sensor No. | | | | | | | | | | | | | | | | |
| <i>Same</i> | | | | | | | | | | | | | | | | | | | | | |
| WEATHER OBS: Calm cloudy SFC/Bottom Temp. 12.8 MAX DEPTH = 68.4 m | | | | | | | | | | | | | | | | | | | | | |
| REMARKS: Small O ₂ shot Ran spike in bottom @ 25m Met noisy on spout above 20m (yellow?) | | | | | | | | | | | | | | | | | | | | | |
| POC Comments Nis No. | | | | | | | | | | | | | | | | | | | | | |
| NIS NO. | DEPTH DESIRED | Rosette Notes Hydro Team-PMEL | | | Chloro GFF Vol | | | >10 Large Vol GFF Dup Vol | | | >10 dup vol | | | | | | | | | | |
| 1 | 37M | X22 | 237 | | | | | | | | | | | | | | 1 | | | | |
| 2 | 50 | | 238 | | | | | | | | | | | | | | 2 | | | | |
| 3 | 40 | | 239 | | | | | | | | | | | | | | 3 | | | | |
| 4 | 30 | | 240 | | | | | | | | | | | | | | 4 | | | | |
| 5 | 20 | | 241 | | | | | | | | | | | | | | 5 | | | | |
| 6 | 10 | | 242 | | | | | | | | | | | | | | 6 | | | | |
| 7 | 0 | | 243 | | | | | | | | | | | | | | 7 | | | | |
| 8 | | | | | | | | | | | | | | | | | 8 | | | | |
| 9 | | | | | | | | | | | | | | | | | 9 | | | | |
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| 11 | | | | | | | | | | | | | | | | | 11 | | | | |
| 12 | | | | | | | | | | | | | | | | | 12 | | | | |
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| Inline | | | | | | | | | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 30 | | | | | | | | |
|---|------------------|---------------------|-----------|---|---------|----------------|---------------|-------------------|-------------------|----------|------|------------|---------------|--------------|--------------|--------------|
| CONSC CAST # | LATITUDE | DEG | MIN | DEG | MIN | DAY | MO | YR | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |
| | | | | | | | | | (^o C) | (%) | (mb) | (deg) | (kt/s) | (m) | | |
| 0315 | 65° 59.57' N | 165 | 22.412' W | 021 | 11 03 | 3 | 4 | 89 | 1019 | 182 | 4 | 72 | 72 | 72 | 72 | 72 |
| SBE 9+ | | | | FLUOR SN | | | | | | | | | | | | |
| PRESS SN | | | | SBE43-Oxy (prime) | | | | | | | | | | | | |
| PRI TEMP SN | | | | SBE43-Oxy (sec) | | | | | | | | | | | | |
| SEC TEMP SN | | | | Transmissometer | | | | | | | | | | | | |
| PRI COND SN | | | | PAR SN | | | | | | | | | | | | |
| SEC COND SN | | | | 02 Temp Sensor No. | | | | | | | | | | | | |
| <i>Same</i> | | | | | | | | | | | | | | | | |
| WEATHER OBS: FLAT CALM SFC/Bottom Temp. 3.75/12.5°C MAX. DEPTH = 64.8 m | | | | | | | | | | | | | | | | |
| REMARKS: 1. Slight oil gullies on surface - visible 2. Sustained SW wind 10-15 kts - may be dangerous - makes one maneuvering | | | | | | | | | | | | | | | | |
| Noisy 2nd set above room on upcast (and home) | | | | | | | | | | | | | | | | |
| Recorder Initials: SP | | | | | | | | | | | | | | | | |
| Nis No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEL | | Chloro | | POC | | Comments | | Nis No. | | | | |
| | | SALT | Nut.Bu | O2-Btln/o | DIC/AIK | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | | | |
| 1 | 37M | 244 | | | | 283 | | | | | | | 1 | | | |
| 2 | 50 | 245 | | | | 285 | | | | | | | 2 | | | |
| 3 | 49 | 246 | | | | 289 | | | | | | | 3 | | | |
| 4 | 30 | 247 | | | | 283 | | | | | | | 4 | | | |
| 5 | 29 | 248 | | | | 282 | | | | | | | 5 | | | |
| 6 | 10 | 249 | | | | 279 | | | | | | | 6 | | | |
| 7 | 0 | 250 | | | | 283 | | | | | | | 7 | | | |
| 8 | | | | | | | | | | | | | 8 | | | |
| 9 | | | | | | | | | | | | | 9 | | | |
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| 11 | | | | | | | | | | | | | 11 | | | |
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| Inline | | | | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: 31 | | STATION NO. 3 | | | | | | | |
|---|------------------|---------------------|-------------------|---|------|----------------------|---------------|------------------|-------------|-----------|------------------|--------------|--------------|--------------|-----|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) |
| 0325706.42 N | 16536.90 W | 02 MAY 15 | 1222.3.2 | 83 | 1018 | 206 | 7 | 41 | 70M7 | 3.5 / 7.5 | MAX DEPTH = 65 m | | | | |
| SBE 9+ PRESS SN | | | FLUOR S/N | | | | | | | | | | | | |
| PR1 TEMP SN | | | SBE43-Oxy (sec) | | | | | | | | | | | | |
| SEC TEMP SN | | | Transmissometer | | | | | | | | | | | | |
| PRI COND SN | | | PAR S/N | | | | | | | | | | | | |
| SEC COND SN | | | 02 Tmp Sensor No. | | | | | | | | | | | | |
| <p>New 2nd pump</p> <p>O₂ Mask #325 didn't look as if it had been cleaned since last use - Please rewash anyways</p> <p>Recorder Initials: <i>JJ</i></p> | | | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEL | | Chloro | | POC | PP | Comments | | NIS No. | | | |
| 1 | 35m | | | 251 | x325 | | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | 1 | | | |
| 2 | 50 | | | 252 | | 283 | | | | | | 2 | | | |
| 3 | 40 | | | 253 | | 285 | | | | | | 3 | | | |
| 4 | 30 | | | 254 | | 289 | | | | | | 4 | | | |
| 5 | 20 | | | 255 | | 283 | | | | | | 5 | | | |
| 6 | 10 | | | 256 | | 279 | | | | | | 6 | | | |
| 7 | 0 | | | 257 | | 283 | | | | | | 7 | | | |
| 8 | | | | | | | | | | | | 8 | | | |
| 9 | | | | | | | | | | | | 9 | | | |
| 10 | | | | | | | | | | | | 10 | | | |
| 11 | | | | | | | | | | | | 11 | | | |
| 12 | | | | | | | | | | | | 12 | | | |
| - | | | | | | | | | | | | - | | | |
| Infile | | | | | | | | | | | | | | | |

| Vessel Oscar Dyson | | Cruise ID DY1504 | | Project & Leg FOCI Spring Mooring Cruise | | CTD File Name: | | Station No. 32 | | | | | |
|--|------------------|---------------------|-----|---|---------|----------------|----------|------------------------------|-----------------------|-----------------------|---------------------|--------------|------|
| Consc Cast # | Latitude | Depth deg | Min | Longitude deg | Min | Day Mo | Yr Hr | Time (GMT) Dry Bulb RH | Wind Dirn. Spd. | Wind Dirn. Spd. | Bottom Depth (m) | Sta. Name/ID | |
| 03 | 35° 15' 76" N | 16 | 54' | 79 | W | 02 MAY | 15 | 13 32 3.0 | 84 | 10 | 19 | 25603 | 70M8 |
| SBE 9+ | | | | FLUOR 5N | | | | | | | | | |
| PRESS SN | | | | SBE43-Dry (prime) | | | | | | | | | |
| PRI TEMP SN | | | | SBE43-Dry (sec) | | | | | | | | | |
| SEC TEMP SN | | | | Transmissometer | | | | | | | | | |
| PRI COND SN | | | | PAR S/N | | | | | | | | | |
| SEC COND SN | | | | O2 Temp Sensor No. | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | | | | | |
| REMARKS: Turbidity reads low at surface - corrected by 10m Old Spike in last secmed 12pm on both channels | | | | | | | | | | | | | |
| SFC/Bottom Temp. | | | | | | | | | | | | | |
| MAX DEPTH = 64 m | | | | | | | | | | | | | |
| Recorder Initials: | | | | | | | | | | | | | |
| NIS No. | Depth Desired | Rosette Notes | | Hydro Team-PMEI | | Chloro | | POC | Comments | | NIS No. | | |
| | | | | SALT | Nut.Btl | 02-Btl:No | DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | |
| 1 | Btm | | | 258 | | | | 283 | | | | | 1 |
| 2 | 50 | | | 257 | | | | 283 | | | | | 2 |
| 3 | 40 | | | 260 | | | | 285 | | | | | 3 |
| 4 | 30 | | | 261 | | | | 289 | | | | | 4 |
| 5 | 20 | | | 262 | | | | 283 | | | | | 5 |
| 6 | 10 | | | 263 | | | | 279 | | | | | 6 |
| 7 | 0 | | | 264 | | | | 283 | | | | | 7 |
| 8 | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | 12 |
| 1 | Inline | | | X24 | 13.81 | 512/15 | 283 | - 512/15 | 13:33 | | | | 1 |
| During CTD | | <lat - 21.9845° | | | | | | Chlor - 155 | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | | CTD File Name: | | | STATION NO. 33 | | | | | |
|-----------------------|------------------|---------------------|-------|---|-----------|---------|----------------|-------------------|-------------|-------------------|----------|--|--------------|------------------------|--------------|
| CONSC CAST # | DEG | MIN | DEG | MIN | DAY | MO | YR | TIME (GMT) | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID |
| 03457 | 19.30 | N | 16600 | .58 | W | 02 | Mar | 15 14 49 | 2.9 | 90 | 1019 | 229 | 3 | 69.6 | 70M9 |
| 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 | | | | | | | | 02 Tmp Sensor No. | | | | | | | |
| | | | | | | | | | | | | WEATHER OBS: Calm | | SFC/Bottom Temp. 3.2/2 | |
| | | | | | | | | | | | | REMARKS: Soil cl. a bl. layer - sl. response to b/w | | MAX. DEPTH = 64 m | |
| | | | | | | | | | | | | NO. 25 Temp slope 20m on yr. ckt | | | |
| | | | | | | | | | | | | SOME | | | |
| | | | | | | | | | | | | Recorder Initials: | | | |
| Nis No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEL | | Chloro | | POC | | Comments | | Nis No. | | | |
| | | ROSETTE | SALT | Nut.Btl | O2-Btl/No | DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | |
| 1 | 31m | | 25 | 265 | | | 283 | | | | | 1 | | | |
| 2 | 50 | | | 260 | | | | | | | | 2 | | | |
| 3 | 40 | | | 267 | | | 285 | | | | | 3 | | | |
| 4 | 30 | | | 268 | | | 289 | | | | | 4 | | | |
| 5 | 20 | | | 269 | | | 283 | | | | | 5 | | | |
| 6 | 10 | | | 270 | | | 284 | | | | | 6 | | | |
| 7 | 0 | | | 271 | | | 283 | | | | | 7 | | | |
| 8 | | | | | | | | | | | | 8 | | | |
| 9 | | | | | | | | | | | | 9 | | | |
| 10 | | | | | | | | | | | | 10 | | | |
| 11 | | | | | | | | | | | | 11 | | | |
| 12 | | | | | | | | | | | | 12 | | | |
| - | | | | | | | | | | | | - | | | |
| | | | | | | | | | | | | Inline | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 34 | | | | | | | | |
|--|------------------|---------------------|------------------|---|----------------|----------------|-----------|-------------------|------------|---------------|-------------|---------------|--------------|--------------|--------------|------------|
| 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 | |
| | | | | | | | | HR | MIN | (%) | (mb) | (deg) | (kts) | (m) | | |
| 035 | 57 | 19.27 | N | 16419.69 | W | 02 | MAI | 15 | 1604 | 2.6 | 90 | 1019 | 316 | 3 | 70.7 | 70M10 |
| SBE 9+ | | | | | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | | | |
| <i>Same</i> | | | | | | | | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | | | | | | | | |
| REMARKS: <i>2nd Saming 102 @ sea has legs off which corrects or broken by SM</i> | | | | | | | | | | | | | | | | |
| SFC/Bottom Temp. | | | | | | | | | | | | | | | | |
| MAX. DEPTH = 63.2 m | | | | | | | | | | | | | | | | |
| Recorder Initials: | | | | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | | Hydro Team-PME | | | Chloro | | | POC | | | Comments | | NIS No. |
| | | | | | SALT | Nut.Bel | O2-Btln/o | DIC/ALK | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | |
| 1 | <i>35</i> | | | | <i>222</i> | | | | <i>283</i> | | | | | | 1 | |
| 2 | <i>53</i> | | | | <i>273</i> | | | | <i>285</i> | | | | | | 2 | |
| 3 | <i>46</i> | | | | <i>274</i> | | | | <i>289</i> | | | | | | 3 | |
| 4 | <i>30</i> | | | | <i>275</i> | | | | | | | | | | 4 | |
| 5 | <i>20</i> | | | | <i>276</i> | | | | <i>283</i> | | | | | | 5 | |
| 6 | <i>10</i> | | | | <i>277</i> | | | | <i>279</i> | | | | | | 6 | |
| 7 | <i>0</i> | | | | <i>278</i> | | | | <i>283</i> | | | | | | 7 | |
| 8 | | | | | | | | | | | | | | | 8 | |
| 9 | | | | | | | | | | | | | | | 9 | |
| 10 | | | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | | | 12 | |
| - | | | | | | | | | | | | | | | - | |
| Inline | | | | | | | | | | | | | | | | |

VESSEL

Oscar Dyson

CRUISE ID: DY1504 PROJECT & LEG: FOCI Spring M

CTD FileName:

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VESSEL

Oscar Dysom

CTD FileName:

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| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 39 | | | | | | | |
|------------------------------|--------------------------|------------------------------------|--------------------------------|---|-----------------|----------------|-------------------|--------------------------|------------|---------------|--------------|--------------|-------------------------|-----|------------|
| 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 | YR | HR | MIN | (%) | (mb) | (deg) | (kts) | (m) | |
| 0 4 6 5 7 3 0 . 0 5 N | 1 6 7 3 9 . 9 2 W | 0 2 0 5 1 5 2 2 2 8 . 2 . 5 | 7 2 1 0 2 1 3 4 4 4 . 5 | 7 2 | 7 0 | M 1 5 | | | | | | | | | |
| SBE 9+ | | | | | | | FLLOR S/N | | | | | | | | |
| PRESS SN | | | | | | | SBE43-Oxy (prime) | | | | | | | | |
| PRI TEMP SN | | | | | | | SBE43-Oxy (sec) | | | | | | | | |
| SEC TEMP SN | | | | | | | Transmissometer | | | | | | | | |
| PRI COND SN | | | | | | | PAT S/N | | | | | | | | |
| SEC COND SN | | | | | | | 02 Tmp Sensor No. | | | | | | | | |
| | | | | | | | | | | | | | WEATHER OBS: | | |
| | | | | | | | | | | | | | REMARKS: | | |
| | | | | | | | | | | | | | SFC/Bottom Temp. | | |
| | | | | | | | | | | | | | MAX DEPTH = 67 m | | |
| | | | | | | | | | | | | | Recorder Initials: | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | | Hydro Team-PMEL | | | Chloro | | | POC | Comments | | | NIS No. |
| | | | | | SALT | Nut.Btl | O2-Btl.No | DIC/Aalk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | |
| 1 | Bot | 67m | | | 307 | 069 | | | | | | | | | 1 |
| 2 | 50 | | | | 308 | | | | 283 | | | | | | 2 |
| 3 | 40 | | | | | | | | 285 | | | | | | 3 |
| 4 | 30 | | | | | | | | 289 | | | | | | 4 |
| 5 | 20 | | | | | | | | 283 | | | | | | 5 |
| 6 | 10 | | | | | | | | 279 | | | | | | 6 |
| 7 | 0 | | | | | | | | 283 | | | | | | 7 |
| 8 | | | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | 12 |
| 1 | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | Inline | | |

| VESSEL NOAAS Oscar Dyson | | CRUISE ID DY1405 | | PROJECT & LEG Eco-FOCI Spring Mooring Cruise | | STATION NO. 43 | | | | | | | | | |
|-----------------------------|--------------------|---------------------|-------------------|---|------------------|-----------------------------|------------------|-----------|-------------------|---------------------|-----------------------|-------------|--------------|------------------------|--------------|
| CONSC CAST # | LATITUDE DEG MN | LONGITUDE DEG MN | DATE DAY MO HR | TIME (GMT) HR MN | DRY BULB (°C) | Relative Humidity (%) | PRESSURE (mb) | SEA STATE | VISIBILITY (m) | WIND DIRN. (deg) | WIND SPD. (kts) | CLOUD (amt) | WIND TYPE | BOTTOM DEPTH (m) | STA. NAME/ID |
| 0445739.29 N | 16900.92 W | 03 MAY 15 | 3.371. | 1022 | 065 | 1.0 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | M119 |
| SBE 9+ | | FLUOR/SN | | | | | | | | | | | | | |
| PRESS SN | | SBE43-Oxy (prime) | | | | | | | | | | | | | |
| PRI TEMP SN | | SBE43-Oxy (sec) | | | | | | | | | | | | | |
| SEC TEMP SN | | Transmissometer | | | | | | | | | | | | | |
| PRI COND SN | | PAR/SN | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | | |
| Ns DEPTH | Rosette Notes | Hydro Team-PWEL | | | | Comments | | | | MAX DEPTH = 65 m | | | | | |
| No. DESIRED | | SALT Nut.BH | 02-BH No | | | | | | | | | | | | |
| 1 BTM 65m | | 335 | 208 | | | | | | | | | | | | |
| 2 50 | | 336 | | | 283 | | | | | | | | | | 1 |
| 3 40 | | 337 | | | 285 | | | | | | | | | | 2 |
| 4 30 | | 338 | | | 289 | | | | | | | | | | 3 |
| 5 20 | | 339 | | | 283 | | | | | | | | | | 4 |
| 6 10 | | 340 | | | 271 | | | | | | | | | | 5 |
| 7 0 | | 341 | | | 283 | | | | | | | | | | 6 |
| 8 | | | | | | | | | | | | | | | 7 |
| 9 ... | | | | | | | | | | | | | | | 8 |
| 10 | | | | | | | | | | | | | | | 9 |
| 11 | | | | | | | | | | | | | | | 10 |
| 12 | | | | | | | | | | | | | | | 11 |
| | | | | | | | | | | | | | | | 12 |

M45

| | | | | | | | | | | | | | | | | | |
|-----------------------------|------------------|---------------------|---------|--|-----|-------------------|--|---------------------|--|------------------|--|--------------------------|--|------------------|--|--------------------------|--|
| VESSEL NOAAS Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG EcoFOCI Spring Mooring Cruise | | STATION NO. 44 | | | | | | | | | | | |
| CONSC CAST # | | LATITUDE DEG MIN | | LONGITUDE DEG MIN | | DATE DAY MO YR | | TIME (GMT) HR MN | | DRY BULB (°C) | | Relative Humidity (%) | | PRESSURE (mb) | | SEA STATE | |
| SBE 9+ | | 16 82 7 . 9 1 N | | 16 82 7 . 9 1 W | | 03 MAY 15 | | 06 11 | | 15.82 | | 102.9 | | 72 | | VISIBILITY (deg) | |
| PRESS SN | | | | | | | | | | | | | | | | WIND DIRN. SPD. (kts) | |
| PRI TEMP SN | | | | | | | | | | | | | | | | WIND CLOUD (amt) TYPE | |
| SEC TEMP SN | | | | | | | | | | | | | | | | WEATHER | |
| PRI COND SN | | | | | | | | | | | | | | | | BOTTOM DEPTH (m) | |
| SEC COND SN | | | | | | | | | | | | | | | | STA. NAME/ID | |
| NIS No. | DEPTH Desired | Rosette Notes | | Hydro Team-PWEL | | | | | | | | | | | | Comments | |
| | | SALT | Nut.Btl | 02-Btl No | | | | | | | | | | | No. | | |
| 1 | 13 m | 67 m | | 342 | | | | | | | | | | | Chloro- | | |
| 2 | 50 | | | 343 | | | | | | | | | | | | | |
| 3 | 40 | | | 344 | | | | | | | | | | | TOP cap d. d not stop short until out of water | | |
| 4 | 30 | | | 345 | | | | | | | | | | | | | |
| 5 | 20 | | | 346 | | | | | | | | | | | | | |
| 6 | 10 | | | 347 | | | | | | | | | | | | | |
| 7 | 0 | | | 348 | 227 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| MAX DEPTH = 67 m | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | |
| M4 Box | | | | | | | | | | | | | | | | | |

| VESSEL NOAAS Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG EcoFOCI Spring Mooring Cruise | | STATION NO. 45 | | | | | | | | | |
|-----------------------------|---------------------|----------------------|-------------------|--|----------------|---------------------------|------------------|-----------|---------------------|------------------------------|---------------------|----------------------|---------|------------------------|--------------|
| CONSC CAST # | LATITUDE DEG MIN | LONGITUDE DEG MIN | DATE DAY MO YR | TIME (GMT) HR MN | DRY BULB °C | Relative Humidity % | PRESSURE (mb) | SEA STATE | VISIBILITY (deg) | WIND DIRNL. SPD. (kts) | CLOUD (amt) TYPE | WIND DEPTH (m) | WEATHER | BOTTOM DEPTH (m) | STA. NAME/ID |
| 0465749.87 N | 16853.52 W | 03 MAY 15 | 0915 | 0.9 | 88 | 23 | 100 | 6 | 1270 | M21 | | | | | |
| SBE 9+ | | FLUOR SN | SBE43-Dy (name) | | | | | | | | | | | | |
| PRI TEMP SN | | SBE43-Dy (sec) | Transmissometer | | | | | | | | | | | | |
| SEC TEMP SN | | PAR SN | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | | |
| NIS DEPTH | ROSETTE NOTES | HYDRO TEAM-PMEI | | | | Comments | | | | NIS No. | | | | | |
| NO. | DESIRED | SALT NUT.BD | O2-BD, NO | | | | | | | | | | | | |
| 1 | 3m | X 31 | 349 | 269 | | | | | | | | | | | |
| 2 | 50 | | 350 | | 283 | | | | | | | | | | 1 |
| 3 | 40 | | 351 | | 285 | | | | | | | | | | 2 |
| 4 | 30 | | 352 | | 289 | | | | | | | | | | 3 |
| 5 | 20 | | 353 | | 283 | | | | | | | | | | 4 |
| 6 | 10 | | 354 | | 279 | | | | | | | | | | 5 |
| 7 | 0 | | 355 | | 283 | | | | | | | | | | 6 |
| 8 | | | | | | | | | | | | | | | 7 |
| 9 | | | | | | | | | | | | | | | 8 |
| 10 | | | | | | | | | | | | | | | 9 |
| 11 | | | | | | | | | | | | | | | 10 |
| 12 | | | | | | | | | | | | | | | 11 |
| | | | | | | | | | | | | | | | 12 |

M4

SPC 1 - 1.8°C

BTMF - 0.5°C

M4 BOX

TAK OT shorw - top 10M - glaci. Collet

Chlor max ~8m

YPC - wonky last run of west

VESSEL

Oscar Dyson

| CRUISE ID | PROJECT & LEG |
|-----------|----------------------------|
| DY1504 | FOCI Spring Mooring Cruise |

CTD FileName:

STATION NO.

VESSEL

Oscar Dysom

DY1504

FOCI Spring Mooring Cruise

CTD FileName:

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VESSEL
Oscar Dyson

CRUISE ID
DY1504

PROJECT & LEG
FOCI Spring Mooring Cruise

STATION NO.
50

| 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 | YR | (°C) | (%) | (mb) | (deg) | (ft/s) | (m) | | | |
| 051 | 58 | 06 | .93 N | 169 | 56 | .59 W | 03 | MA | 4 15 | 17.1 | 13 | -0.3 | 90 | 1021 | 89 | 11 | 73 | 70M25 |
| SBE 9+ | | | | FLUOR S/N | | | | | | | | | | | | | | |
| PRESS SN | | | | SBE43-Dry (prime) | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | SBE43-Dry (sec) | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | Transmissometer | | | | | | | | | | | | | | |
| PRI COND SN | | | | PAR S/N | | | | | | | | | | | | | | |
| SEC COND SN | | | | 02 Temp Sensor No. | | | | | | | | | | | | | | |

WEATHER OBS: 50N 165E

REMARKS:

STATION TO APPROX AS PREVIOUS + 100M
VICTORY (Actual station is North 2 miles)

-1.5°C IN @ 20m

above 30m upcast - nosy T/S

Recorder Initials:

| Nis No. | DEPTH DESIRED | Rosette Notes Hydro Team-PMEL | | | | Chloro | POC | Comments | Nis No. | | | | | |
|------------|------------------|-------------------------------|------|-------|-----------|---------|---------|---------------|-------------|-------------|--------|------|--|----|
| | | ROSETTE NOTES | SALT | NUTRI | O2-Btl No | DIC/AIK | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | Phyt | | |
| 1 | 37m | | 384 | 385 | 387 | | 283 | | | | | | | 1 |
| 2 | 50 | | 385 | | | | 285 | | | | | | | 2 |
| 3 | 40 | | 386 | | | | 285 | | | | | | | 3 |
| 4 | 30 | | 387 | | | | 289 | | | | | | | 4 |
| 5 | 20 | | 388 | | | | 283 | | | | | | | 5 |
| 6 | 10 | | 389 | | | | 279 | | | | | | | 6 |
| 7 | 0 | | 390 | | | | 283 | | | | | | | 7 |
| 8 | | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | 12 |
| - | | | | | | | | | | | | | | - |

Inline

| Vessel Oscar Dyson | | Cruise ID DY1504 | | Project & Leg FOCI Spring Mooring Cruise | | CTD File Name: | | | | | | | | | | | |
|---|------------------|---------------------|---------|---|----------|----------------|---------------|---------------|--------------|--------------|--------------|----------|------|------------|-------|-----|----|
| 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 | yr | hr | min | (°C) | (%) | (mb) | (deg) | (kts) | (m) | |
| 0525813.35N | 17004.68W | 03 May 15 | | 1859 | -0.7 | 90 | 102 | 70 | 14 | 73.6 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| SBE 9+ | | | | FLUOR S/N | | | | | | | | | | | | | |
| PRESS SN | | | | SBE43-Dry (prime) | | | | | | | | | | | | | |
| PRI TEMP SN | | | | SBE43-Dry (sec) | | | | | | | | | | | | | |
| SEC TEMP SN | | | | Transmissometer | | | | | | | | | | | | | |
| PRI COND SN | | | | PAR S/N | | | | | | | | | | | | | |
| SEC COND SN | | | | O2 Temp Sensor No. | | | | | | | | | | | | | |
| REMARKS: APPROX STATION - 10E EDGE JUST TO NORTH 2000 SALT 1000 NO-34 BOP 5M UP + balanced | | | | | | | | | | | | | | | | | |
| Recorder Initials: SB | | | | | | | | | | | | | | | | | |
| Nis No. | Depth Desired | Rosette Notes | | Hydro Team-PMEI | | | Chloro | | | POC | | Comments | | Nis No. | | | |
| | | Salt | Nut.Btl | O2-Btl.No | DIC/AIk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | | | | |
| 1 | 23M | X35 | 391 | | | 283 | | | | | | | | 1 | | | |
| 2 | 50 | | 392 | | | | | | | | | | | 2 | | | |
| 3 | 40 | | 393 | | | 285 | | | | | | | | 3 | | | |
| 4 | 30 | | 394 | | | 289 | | | | | | | | 4 | | | |
| 5 | 20 | | 395 | | | 253 | | | | | | | | 5 | | | |
| 6 | 10 | | 396 | | | 279 | | | | | | | | 6 | | | |
| 7 | 0 | | 397 | | | 263 | | | | | | | | 7 | | | |
| 8 | | | | | | | | | | | | | | 8 | | | |
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| Inline | | | | | | | | | | | | | | | | | |

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: S2 | | STATION NO. 52 | |
|-----------------------|------------------|---------------------|---------------------------|---|---------------|----------------------|-------------|-------------------|----------|
| CONSC CAST # | LATITUDE | | | | | | | | |
| DEG | MIN | DEG | MIN | DAY | MO | YR | TIME (GMT) | DRY BULB | RH |
| 053 | 55 23.20 N | 16 8 12.34 W | 05 MAY 15 | 1751 | 5. | 1 | HR MIN | (°C) | (%) |
| SBE 9+ | | | | | | | | (mb) | (deg) |
| PRESS SN | | | | | | | | | (kts) |
| PRI TEMP SN | | | | | | | | | (m) |
| SEC TEMP SN | | | | | | | | | |
| PRI COND SN | | | | | | | | | |
| SEC COND SN | | | | | | | | | |
| <i>Sand</i> | | | | | | | | | |
| NIS No. | DEPTH Desired | Rosette Notes | Hydro Team: PMEL | Chloro | | | | | |
| | | SALT | Nut.Btl 02-Btl.No DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | POC | Comments |
| 1 | 27M | 36 | 395 30° | | | | | 500 ml | |
| 2 | 300 | 399 | | | | | | | 1 |
| 3 | 300 | 400 | | | | | | | 2 |
| 4 | 200 | 401 | | | | | | | 3 |
| 5 | 100 | 402 | | | | | | | 4 |
| 6 | 50 | 403 | | 283 | | | | | 5 |
| 7 | 40 | 404 | | 285 | | | | | 6 |
| 8 | 30 | 405 | | 289 | | | | | 7 |
| 9 | 20 | 406 | | 283 | | | | | 8 |
| 10 | 10 | 407 | | 279 | | | | | 9 |
| 11 | 0 | 408 | | 279 | | | | | 10 |
| 12 | | | | | | | | | 11 |
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| | | Inline | | | | | | | |

VESSEL

OSCAR DYSSEN

CRUISE ID

PROJECT & LEG

CTD FileName:

STATION NO.

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | PROJECT & LEG FOCI Spring Mooring Cruise | CTD File Name: | STATION NO. 53 |
|--|------------------|---------------------|---|---|--|
| CONSC CAST # | LATITUDE | LONGITUDE | TIME (GMT) | DRY BULB RH Pressure (°C) (%) (mb) | WIND DIRN. SPD. (deg) (kts) BOTTOM DEPTH (m) |
| DEG | MIN | DEG | MIN | DAY MO YR HR MIN | WIND SPD. DIRN. |
| 054 | 55 | 26. | 43 N | 16 50 8. 46 W | 05 MAY 15 16 57 5. 1 |
| SBE 9- PRESS SN | | | | FLUOR S/N SBE43-Oxy (prime) | MAX DEPTH = 230 m |
| PRI TEMP SN | | | | SBE43-Oxy (sec) | |
| SEC TEMP SN | | | | Transmissometer | |
| PRI COND SN | | | | PAR S/N | |
| SEC COND SN | | | | 02 Tmp Sensor No. | |
| REMARKS: APR 21 Looking for 200m depth 2102 100@ site back down to 124.5m water | | | | | |
| Recorder Initials: | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | Hydro Team-PMEL | Chloro POC 500 ml | Comments NIS No. |
| 1 | 100 | RTM | 409 x 311 | > 10 Large Vol | RR |
| 2 | 100 | 410 | | GFF Dup Vol | 1 |
| 3 | 100 | 411 | | > 10 dup vol | 2 |
| 4 | 75 | 412 | | | 3 |
| 5 | 50 | 413 | | | 4 |
| 6 | 40 | 414 | | | 5 |
| 7 | 30 | 415 | 783 | | 6 |
| 8 | 20 | 416 | 289 | | 7 |
| 9 | 10 | 417 | 283 | | 8 |
| 10 | 0 | 418 | 279 | | 9 |
| 11 | | | 253 | | 10 |
| 12 | | | | Many hair samples | 11 |
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| Vessel Oscar Dyson | | Cruise ID DY1504 | | Project & Leg FOCI Spring Mooring Cruise | | CTD File Name: | | Station No. DL9 | |
|-----------------------|------------------|-----------------------------|--|---|--|---|--|--|--|
| Consc Cast # | | Latitude 56°54'S 71°00'W | | Longitude 168°53'.59" W | | Time (GMT) 150141 | | Wind Dirn. Wind Spd. Bottom Depth Sta. Name/ID | |
| Nis No. | Depth Desired | Rosette Notes 1498 | | Hydro Team-PMEI SALT Nut.Btl 02-Btl No DIC/Alk | | Chloro GFF Vol >10 Large Vol GFF Dup Vol >10 dup vol | | POC Comments 500 ml | |
| 1 | 50ft | | | 430 312 | | | | | |
| 2 | 1000 | | | 431 | | | | | |
| 3 | 500 | | | 432 | | | | | |
| 4 | 100 | | | 433 | | | | | |
| 5 | 75 | | | 434 | | | | | |
| 6 | 50 | | | 435 | | | | | |
| 7 | 40 | | | 436 | | | | | |
| 8 | 30 | | | 437 | | | | | |
| 9 | 20 | | | 438 | | | | | |
| 10 | 10 | | | 439 | | | | | |
| 11 | 0 | | | 440 | | | | | |
| 12 | | | | | | | | | |
| 1 | Inline | | | | | | | | |

SBE 9+
PRESS SN
PRI TEMP SN
SEC TEMP SN
PRI COND SN
SEC COND SN

FLUOR SN
SBE43-Doy (prime)
SBE43-Doy (sec)
Transmissometer
PAR S/N
02 Tmp Sensor No.

WEATHER OBS:
REMARKS: ~1260 m / 0°C becomes erratic / noisy
Coming up all 10 are off, tracking well

NO PAR

Recorder Initials:

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 61 | | | | | | | |
|---|------------------|---------------------|------|---|---------|-------------------|---------|-------------------|---------------|-------------|---------------|--------------|--------------|--------------|--|
| CONSC CAST # | | LATITUDE N | | LONGITUDE W | | TIME (GMT) | | DRY BULB | RH | Pressure | WIND DIRN. | WIND SPD. | BOTTOM DEPTH | STA. NAME/ID | |
| DEG | MIN | DEG | MIN | DAY | MO | YR | (°C) | (%) | (mb) | (deg) | (kts) | (m) | | | |
| 0 | 60 | 53 | 46.9 | 7 | 16 | 915.5 | 7 | 0 | 6 | MAY | 15 | 16 | 17 | 4.9 | |
| | | | | | | | | | | | | | | 94 | |
| | | | | | | | | | | | | | | 1009 | |
| | | | | | | | | | | | | | | 02639 | |
| | | | | | | | | | | | | | | 1535 | |
| | | | | | | | | | | | | | | 225 | |
| 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 | | | | | | 02 Tmp Sensor No. | | | | | | | | | |
| REMARKS: | | | | | | | | | | | | | | | |
| WEATHER OBS: Mostly Cloudy | | | | | | | | | | | | | | | |
| SFC/Bottom Temp. 4.9/2.3 | | | | | | | | | | | | | | | |
| MAX. DEPTH = 1500 m | | | | | | | | | | | | | | | |
| Old noise on primary T only on upcast. 2nd T looks good | | | | | | | | | | | | | | | |
| Nois disappears @ 662 m on way up. Spike in | | | | | | | | | | | | | | | |
| Oz. Primary @ 342 m. | | | | | | | | | | | | | | | |
| Reorder Initials: | | | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PNEL | | Chloro | | POC | | Comments | | NIS No. | | | |
| 1 | 1500 | | | SALT | Nut.Btl | 02-Btl.No | DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | |
| 2 | 1000 | | | | | | | | | | | | 1 | | |
| 3 | 500 | | | | | | | | | | | | 2 | | |
| 4 | 100 | | | | | | | | | | | | 3 | | |
| 5 | 25 | | | | | | | | | | | | 4 | | |
| 6 | 50 | | | | | | | | | | | | 5 | | |
| 7 | 40 | | | | | | | | | | | | 6 | | |
| 8 | 30 | | | | | | | | | | | | 7 | | |
| 9 | 20 | | | | | | | | | | | | 8 | | |
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| 65 | | | | | | | | | | | | | 64 | | |
| 66 | | | | | | | | | | | | | 65 | | |
| 67 | | | | | | | | | | | | | 66 | | |
| 68 | | | | | | | | | | | | | 67 | | |
| 69 | | | | | | | | | | | | | 68 | | |
| 70 | | | | | | | | | | | | | 69 | | |
| 71 | | | | | | | | | | | | | 70 | | |
| 72 | | | | | | | | | | | | | 71 | | |
| 73 | | | | | | | | | | | | | 72 | | |
| 74 | | | | | | | | | | | | | 73 | | |
| 75 | | | | | | | | | | | | | 74 | | |
| 76 | | | | | | | | | | | | | 75 | | |
| 77 | | | | | | | | | | | | | 76 | | |
| 78 | | | | | | | | | | | | | 77 | | |
| 79 | | | | | | | | | | | | | 78 | | |
| 80 | | | | | | | | | | | | | 79 | | |
| 81 | | | | | | | | | | | | | 80 | | |
| 82 | | | | | | | | | | | | | 81 | | |
| 83 | | | | | | | | | | | | | 82 | | |
| 84 | | | | | | | | | | | | | 83 | | |
| 85 | | | | | | | | | | | | | 84 | | |
| 86 | | | | | | | | | | | | | 85 | | |
| 87 | | | | | | | | | | | | | 86 | | |
| 88 | | | | | | | | | | | | | 87 | | |
| 89 | | | | | | | | | | | | | 88 | | |
| 90 | | | | | | | | | | | | | 89 | | |
| 91 | | | | | | | | | | | | | 90 | | |
| 92 | | | | | | | | | | | | | 91 | | |
| 93 | | | | | | | | | | | | | 92 | | |
| 94 | | | | | | | | | | | | | 93 | | |
| 95 | | | | | | | | | | | | | 94 | | |
| 96 | | | | | | | | | | | | | 95 | | |
| 97 | | | | | | | | | | | | | 96 | | |
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| 101 | | | | | | | | | | | | | 100 | | |
| 102 | | | | | | | | | | | | | 101 | | |
| 103 | | | | | | | | | | | | | 102 | | |
| 104 | | | | | | | | | | | | | 103 | | |
| 105 | | | | | | | | | | | | | 104 | | |
| 106 | | | | | | | | | | | | | 105 | | |
| 107 | | | | | | | | | | | | | 106 | | |
| 108 | | | | | | | | | | | | | 107 | | |
| 109 | | | | | | | | | | | | | 108 | | |
| 110 | | | | | | | | | | | | | 109 | | |
| 111 | | | | | | | | | | | | | 110 | | |
| 112 | | | | | | | | | | | | | 111 | | |
| 113 | | | | | | | | | | | | | 112 | | |
| 114 | | | | | | | | | | | | | 113 | | |
| 115 | | | | | | | | | | | | | 114 | | |
| 116 | | | | | | | | | | | | | 115 | | |
| 117 | | | | | | | | | | | | | 116 | | |
| 118 | | | | | | | | | | | | | 117 | | |
| 119 | | | | | | | | | | | | | 118 | | |
| 120 | | | | | | | | | | | | | 119 | | |
| 121 | | | | | | | | | | | | | 120 | | |
| 122 | | | | | | | | | | | | | 121 | | |
| 123 | | | | | | | | | | | | | 122 | | |
| 124 | | | | | | | | | | | | | 123 | | |
| 125 | | | | | | | | | | | | | 124 | | |
| 126 | | | | | | | | | | | | | 125 | | |
| 127 | | | | | | | | | | | | | 126 | | |
| 128 | | | | | | | | | | | | | 127 | | |
| 129 | | | | | | | | | | | | | 128 | | |
| 130 | | | | | | | | | | | | | 129 | | |
| 131 | | | | | | | | | | | | | 130 | | |
| 132 | | | | | | | | | | | | | 131 | | |
| 133 | | | | | | | | | | | | | 132 | | |
| 134 | | | | | | | | | | | | | 133 | | |
| 135 | | | | | | | | | | | | | 134 | | |
| 136 | | | | | | | | | | | | | 135 | | |
| 137 | | | | | | | | | | | | | 136 | | |
| 138 | | | | | | | | | | | | | 137 | | |
| 139 | | | | | | | | | | | | | 138 | | |
| 140 | | | | | | | | | | | | | 139 | | |
| 141 | | | | | | | | | | | | | 140 | | |
| 142 | | | | | | | | | | | | | 141 | | |
| 143 | | | | | | | | | | | | | 142 | | |
| 144 | | | | | | | | | | | | | 143 | | |
| 145 | | | | | | | | | | | | | 144 | | |
| 146 | | | | | | | | | | | | | 145 | | |
| 147 | | | | | | | | | | | | | 146 | | |
| 148 | | | | | | | | | | | | | 147 | | |
| 149 | | | | | | | | | | | | | 148 | | |
| 150 | | | | | | | | | | | | | 149 | | |
| 151 | | | | | | | | | | | | | 150 | | |
| 152 | | | | | | | | | | | | | 151 | | |
| 153 | | | | | | | | | | | | | 152 | | |
| 154 | | | | | | | | | | | | | 153 | | |
| 155 | | | | | | | | | | | | | 154 | | |
| 156 | | | | | | | | | | | | | 155 | | |
| 157 | | | | | | | | | | | | | 156 | | |
| 158 | | | | | | | | | | | | | 157 | | |
| 159 | | | | | | | | | | | | | 158 | | |
| 160 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---------------------|--|-----------------------------------|--|---------------|------------------|------------------------|-----------------------|----------------------|--------------|--------------|
| VESSEL Oscar Dyson | CRUISE ID DY1504 | PROJECT & LEG FOCI Spring Mooring Cruise | CTD File Name: | STATION NO. 62 | | | | | | | |
| CONSC CAST # | LATITUDE DEG MIN | LONGITUDE DEG MIN | TIME (GMT) DAY MO YR HR MIN | DRY BULB (°C) | RH (%) | Pressure (mb) | WIND DIRN. (deg) | WIND SPD. (kts) | WIND DIRN. (m) | BOTTOM DEPTH | STA. NAME/ID |
| 06 15 33 6.5 4 N | 16 09 02.6 0 W | 06 MAY 15 1908 | 5.3 | 91 | 1010 | 63 | 6 | 10.98 | 12.4 | | |
| SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN | | FLUOR S/N SBE43-Oxy (prime) SBE43-Oxy (sec) Transmissometer PAR S/N 02-Temp Sensor No. TRIPTICS. | | | | | | | | | |
| <p style="text-align: center;">No PAR</p> <p style="text-align: center;">Recorder initials: _____</p> <p style="text-align: center;">REMARKS: Noise in upper cast - possibly TSI02 - mobile noise Note same @ 571 m SF@Bottom Temp: 12.3°C MAX. DEPTH = 1300.5m</p> | | | | | | | | | | | |
| NIS No. DESIRED | Rosette Notes | Hydro Team-PMEI SALT Nut.Btl 02-Btl.No DIC/AIk | Chlora GFF Vol | >10 Large Vol GFF Dup Vol >10 dup vol | POC 500 ml | Comments | NIS No. | | | | |
| 1 1500 | x 4/0 | 485 486 | | | | | 1 | | | | |
| 2 1080 | | | | | | | 2 | | | | |
| 3 500 | | 487 488 | | | | | 3 | | | | |
| 4 100 | | 489 | | | | | 4 | | | | |
| 5 75 | | 490 | | | | | 5 | | | | |
| 6 50 | | 491 492 | 281 283 285 289 | | | | 6 | | | | |
| 7 40 | | | | | | | 7 | | | | |
| 8 30 | | | | | | | 8 | | | | |
| 9 20 | | 493 494 | 283 289 | | | | 9 | | | | |
| 10 10 | | 495 496 | 283 289 | | | | 10 | | | | |
| 11 0 | | | | | | | 11 | | | | |
| 12 | | | | | | | 12 | | | | |
| 1 Inline | | | | | | | 1 | | | | |

VESSEL

CRUISE ID
DY1405

PROJECT & LEG
Eco Focus Mining Services
DY/1504

STATION NO.
64

VESSEL
NOAAS Oscar Dyson

CRUISE ID
D41504

PROJECT & LEG **DY1504**
Eco-FOCI Spring Mooring Cruise

5

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 68 | | | | | | |
|--|------------|---------------------|-----------------|---|-------------|----------------|------------|-------------------|-------------|---------------|--------------|--------------|--------------|------|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) |
| 067 | 53 | 58.664 | N | 160 | 58.55 | W | 07 | 14 | 15 | 14 | 29 | 5.2 | 84 | 10.1 |
| SBE 9+ | | | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | |
| <i>Same</i> | | | | | | | | | | | | | | |
| NO PAR ON CTD SINCE JUST AFTER START OFF L-Line | | | | | | | | | | | | | | |
| Recorder initials: <i>Appox 1000 depth</i> | | | | | | | | | | | | | | |
| NIS | DEPTH | Rosette Notes | Hydro Team-PMEL | | | Chloro | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | POC | Comments | | NIS |
| No. | DESIRED | | SALT | Nut.Btl | 02-Btl.No | DIC/AIK | | | | | 500 ml | | No. | |
| 1 | <i>BTM</i> | | <i>543</i> | <i>529</i> | <i>X340</i> | | | | | | | | 1 | |
| 2 | <i>75</i> | | <i>540</i> | | | | | | | | | | 2 | |
| 3 | <i>50</i> | | <i>341</i> | | | | <i>283</i> | | | | | | 3 | |
| 4 | <i>40</i> | | <i>342</i> | | | | <i>285</i> | | | | | | 4 | |
| 5 | <i>30</i> | | <i>343</i> | | | | <i>289</i> | | | | | | 5 | |
| 6 | <i>20</i> | | <i>344</i> | | | | <i>283</i> | | | | | | 6 | |
| 7 | <i>10</i> | | <i>345</i> | | | | <i>299</i> | | | | | | 7 | |
| 8 | <i>0</i> | | <i>346</i> | | | | <i>283</i> | | | | | | 8 | |
| 9 | | | | | | | | | | | | | 9 | |
| 10 | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | 12 | |
| 1 | Inline | | <i>45</i> | | | | <i>283</i> | | | | | | 1 | |

Sal - 32.3450

Water - 3.93

| VESSEL NOAAS Oscar Dyson | | CRUISE ID DY1504 DY1405 | | PROJECT & LEG DY1504 Eco-FOCI Spring Mooring Cruise | | STATION NO. 71 | | | | | | | | | | | | | | |
|-----------------------------|----------|----------------------------|-------------------|---|-----------|-------------------|------------|------------------|-----------------------------|------------------|----------------|-----------------|---------------------|-----------------------|------------------|-----------|--------------|------------------------|--------------|--|
| CONSC CAST # | LATITUDE | | LONGITUDE | | DATE | | TIME (GMT) | DRY BULB (°C) | Relative Humidity (%) | PRESSURE (mb) | SEA STATE • | VISIBILITY • | WIND DIRNL (deg) | WIND SPD. (kts) | CLOUD (amt) • | TYPE • | WEATHER • | BOTTOM DEPTH (m) | STA. NAME/ID | |
| | DEG | MIN | DEG | MIN | DAY | MO | YR | HR | MIN | | | | | | | | | | | |
| 0705426.88N | 16 | 722.92W | 08 | May, 15 | 500 | 053 | 5.0 | 53. | 1012 | 29611 | 6550 | UAT1 | MAX. DEPTH = | m | | | | | | |
| SBE 9+ | | | FLUOR S/N | | | | | | | | | | | | | | | | | |
| PRESS S/N | | | SBE43-Dby (prime) | | | | | | | | | | | | | | | | | |
| PRI TEMP S/N | | | SBE43-Dby (sec) | | | | | | | | | | | | | | | | | |
| SEC TEMP S/N | | | Transmissometer | | | | | | | | | | | | | | | | | |
| PRI COND S/N | | | PAR S/N | | | | | | | | | | | | | | | | | |
| SEC COND S/N | | | | | | | | | | | | | | | | | | | | |
| Ns | DEPTH | Rosette Notes | Hydro Team-PMEI | | | | | | | | | | Comments | | Ns | | | | | |
| No. | DESIRED | | SALT | Net.Bd | O2-Stn No | | | | | | Chloro | | | | | No. | | | | |
| 1 | BTM 644 | | 569 | | | | | | | | | | | | | 1 | | | | |
| 2 | 500 | | 570 | | | | | | | | | | | | | 2 | | | | |
| 3 | 250 | | 571 | | | | | | | | | | | | | 3 | | | | |
| 4 | 100 | | 572 | | | | | | | | | | | | | 4 | | | | |
| 5 | 75 | | 573 | | | | | | | | | | | | | 5 | | | | |
| 6 | 50 | | 574 | | | | | | | | | | | | | 6 | | | | |
| 7 | 40 | | 575 | | | | | | | | | | | | | 7 | | | | |
| 8 | 30 | | 576 | | | | | | | | | | | | | 8 | | | | |
| 9 | 20 | | 577 | | | | | | | | | | | | | 9 | | | | |
| 10 | 10 | | 578 | | | | | | | | | | | | | 10 | | | | |
| 11 | D | | 579 | 127 | | | | | | | | | | | | 11 | | | | |
| 12 | | | | | | | | | | | | | | | | 12 | | | | |

CTD FileName:

STATION NO.

VESSEL

Oscar Dyson

CRUISE ID
DY1504PROJECT & LEG
FOCI Spring Mooring CruiseSTATION NO.
75

75

CTD File Name:

| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) | | |
| 0 74 54 | 13.90 | N | 166 16.0 | 4 W | 08 | MAY | 15 | 13 | 15 | 3.8 | 85 | 10 | 14 | 287 | 12 | 630 | NE2 |
| SBE 9+ | | | | | | | | | | FLUOR S/N | | | | | | | |
| PRESS SN | | | | | | | | | | SBE43-Oxy (prime) | | | | | | | |
| PRI TEMP SN | | | | | | | | | | SBE43-Oxy (sec) | | | | | | | |
| SEC TEMP SN | | | | | | | | | | Transmissometer | | | | | | | |
| PRI COND SN | | | | | | | | | | PART S/N | | | | | | | |
| SEC COND SN | | | | | | | | | | O2 Temp Sensor No. | | | | | | | |

| NIS DEPTH | Rosette Notes | Hydro Team-PMEL | | | Chloro | | POC | | Comments | | NIS No. | |
|--------------|---------------|-----------------|---------|-----------|---------|---------|---------------|-------------|-------------|--------|------------|---|
| No. | DESIRED | SALT | Nut.Btl | O2-Btl/No | DIC/ALK | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | |
| 1 | 300 | | | | 613 | | | | | | 1 | |
| 2 | 300 | | | | 614 | | | | | | 2 | |
| 3 | 300 | | | | 615 | | | | | | 3 | |
| 4 | 400 | | | | 616 | | | | | | 4 | |
| 5 | 45 | | | | 617 | | | | | | 5 | |
| 6 | 60 | | | | 618 | | | | | | 6 | |
| 7 | 40 | | | | 619 | | | | | | 7 | |
| 8 | 50 | | | | 620 | | | | | | 8 | |
| 9 | 70 | | | | 621 | | | | | | 9 | |
| 10 | 10 | | | | 622 | | | | | | 10 | |
| 11 | 0 | | | | 623 | x212 | | | | | 11 | |
| 12 | | | | | | | | | | | 12 | |
| 1 | inline | 49 | 15:02 | | | 283 | | | | | | 1 |

Sea 1 - 32.1440

Chlor - 2.04

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: 761 | | STATION NO. 76 | | | | | | | | | | |
|-----------------------|---------------|---------------------|-----------------|---|------------|-----------------------|----------|-------------------|-------------|---------------|--------------|--------------|--------------|-------------------------|------|-------|-----|-----|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) | | | |
| 0 | 78 | 54 | 10.12 | N | 166 | 13.95 | W | 08 | MO | 15 | 14 | 16 | 3.8 | 85 | 1014 | 29711 | 125 | AE1 |
| SBE 9+ | | | | | | | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | <i>761</i> | | | | |
| | | | | | | | | | | | | | | WEATHER OBS: Light rain | | | | |
| | | | | | | | | | | | | | | REMARKS: | | | | |
| | | | | | | | | | | | | | | Sel Spec in C SPC | | | | |
| | | | | | | | | | | | | | | W mixed until 150m | | | | |
| | | | | | | | | | | | | | | MAX. DEPTH = 118 m | | | | |
| | | | | | | | | | | | | | | SFC/Bottom Temp. | | | | |
| | | | | | | | | | | | | | | POC | | | | |
| | | | | | | | | | | | | | | Comments | | | | |
| NIS DEPTH | Rosette Notes | | Hydro Team-PMEL | | | Chlora | GFF Vol | GFF Dup Vol | >10 dup vol | POC | | | NIS No. | | | | | |
| No. | DESIRED | | SALT | Nut.Btl | O2-Btl No | DIC/AIK | | | | | | | | | | | | |
| 1 | 81m | | x50 | 624 | x219 | | | | | | | | | 1 | | | | |
| 2 | 75 | | c25 | | | | | | | | | | | 2 | | | | |
| 3 | 60 | | 626 | | | | | | | | | | | 3 | | | | |
| 4 | 40 | | 627 | | | | | | | | | | | 4 | | | | |
| 5 | 30 | | 628 | | | | | | | | | | | 5 | | | | |
| 6 | 20 | | 629 | | | | | | | | | | | 6 | | | | |
| 7 | 10 | | 630 | | | | | | | | | | | 7 | | | | |
| 8 | 0 | | 631 | | | | | | | | | | | 8 | | | | |
| 9 | | | | | | | | | | | | | | 9 | | | | |
| 10 | | | | | | | | | | | | | | 10 | | | | |
| 11 | | | | | | | | | | | | | | 11 | | | | |
| 12 | | | | | | | | | | | | | | 12 | | | | |
| 1 | | Inline | | | | | | | | | | | | 1 | | | | |

761
PAUL IS BACK!

Recorder Initials:

VESSEL

Oscar Dyson

CRUISE ID
DY1504

PROJECT & LEG

CTD FileName:

VESSI

Oscar Dyson

CRUISE ID

PROJECT & LEG

CTD FileName

87

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 78 | | | | | | | |
|-----------------------|-------------|---|-------------------|---|------------|----------------|----|-------------------|-----|----------|---------------|--------------|--------------|---------------------|-----|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) |
| 077 54.08.06 N | 166 39.37 W | 08 MAY 15 18 14 | 4.2 | 79 | 106 | 292 | 12 | | | | | | | | |
| SBE 9+ | | | FLUOR S/N | | | | | | | | | | | | |
| PRESS SN | | | SBE43-Oxy (prime) | | | | | | | | | | | | |
| PRI TEMP SN | | | SBE43-Oxy (sec) | | | | | | | | | | | | |
| SEC TEMP SN | | | Transmissometer | | | | | | | | | | | | |
| PRI COND SN | | | PAT S/N | | | | | | | | | | | | |
| SEC COND SN | | | 02 Tmp Senson No. | | | | | | | | | | | | |
| REMARKS: | | EKCO-2945 m but we all ready coming up but shall be > Dom off bottom | | | | | | | | | | | | MAX. DEPTH = 996.5m | |

NO 242

Recorder Initials

VESS

Oscar Dyson

CRUISE ID
DY 1504
DY4504

PROJECT & LEG DY1504 CTD FileName

STATION NO.

三

| 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) | | | |
| 0 | 78 | 54 | 12.35 | N | 10642 | 18 | W | 08 MAY 15 | 2000 | 4 | 476 | 1016 | 308 | 9.5 | 1367 | AW3 |
| SBE 9+ | | | | | | | | FLUOR S/N | | | | | | | | |
| PRESS SN | | | | | | | | SBE43-Dwy (prime) | | | | | | | | |
| PRI TEMP SN | | | | | | | | SBE43-Dwy (sec) | | | | | | | | |
| SEC TEMP SN | | | | | | | | Transmissometer | | | | | | | | |
| PRI COND SN | | | | | | | | PAR S/N | | | | | | | | |
| SEC COND SN | | | | | | | | 02 Tmp Sensor No. | | | | | | | | |
| NO NAR | | | | | | | | | | | | | | | REMARKS: SFCT Bottom Temp. MAX. DEPTH = 362 m | |
| | | | | | | | | | | | | | | | | |
| NIS No. | DEPTH DESIRED | Rosette Notes | | Hydro Team-PMEL | | | | Chloro | | | POC | PHT | Comments | | NIS No. | |
| | | SALT | Nut.Btl | 02-Btl.No | DIC/AIk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | Sample | | | | | |
| 1 | BTM | 362 | | | | 651 | | | | | | | | | 1 | |
| 2 | 1000 | | | | | 652 | | | | | | | | | 2 | |
| 3 | 500 | | | | | 653 | | | | | | | | | 3 | |
| 4 | 100 | | | | | 654 | | | | | | | | | 4 | |
| 5 | 75 | | | | | 655 | | | | | | | | | 5 | |
| 6 | 50 | | | | | 656 | | | | | | | | | 6 | |
| 7 | 40 | | | | | 657 | | | | | | | | | 7 | |
| 8 | 30 | | | | | 658 | | | | | | | | | 8 | |
| 9 | 20 | | | | | 659 | | | | | | | | | 9 | |
| 10 | 10 | | | | | 660 | | | | | | | | | 10 | |
| 11 | 0 | | | | | 661 | x233 | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | | | 12 | |
| 1 | | | | | | | | | | | | | | | 1 | |
| Recorder Initials: | | | | | | | | | | | | | | | | |

VESSEL

CRUISE ID: 744

PROJECT & LEG

CTD FileName:

STATION NO.

NO.

Oscar Dysom

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EUCI Spring Meeting 2008

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10

| VESSEL | | CRUISE ID | | PROJ | |
|-----------------|------|------------|------------|--------------------|----|
| Oscar Dyson | | DY 505 | | F | |
| | | | | | |
| CONSC CAST # | | LATITUDE | LONGITUDE | DAY | MO |
| | | DEG MIN | DEG MIN | | |
| 0 | 7954 | 19.07N | 16649.46W | 08 | MA |
| SBE 9+ | | | | FLUOR S/N | |
| PRESS SN | | | | SBE43-Dwy (prime) | |
| PRI TEMP SN | | | | SBE43-Dwy (sec) | |
| SEC TEMP SN | | | | Transmissometer | |
| PRI COND SN | | | | PAR S/N | |
| SEC COND SN | | | | 02 Trip Sensor No. | |

REMARKS:

WEATHER OBS:

SFCBottom Temp.

MAX. DEPTH = 805

Recorder Inhaler

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 81 | | | | |
|-----------------------|-----------------|---------------------|---------|---|---------|----------------|---------------|-------------------|-------------|------------|--------------|--------------|
| CAST # | DEG | MIN | DEG | MIN | DAY | MO | YR | RH | Wind Dirn. | Wind Spd. | Bottom Depth | Sta. Name/ID |
| | | | | | | | | (%) | (mb) | (deg) | (kts) | (m) |
| | | | | | | | | (°C) | | | | |
| CONSC | 54 | 27.7 | N | 16656.14 | W | 09 | MAY | 50054 | 6.2067 | 1016209 | 2.7497 | AW5 |
| CAST # | DEG | MIN | DEG | MIN | DAY | MO | YR | HR | MIN | (deg) | (kts) | (m) |
| SBE 9+ | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | |
| WEATHER OBS: | | | | | | | | | | | | |
| REMARKS: | | | | | | | | | | | | |
| SEC/Section Temp. | | | | | | | | | | | | |
| MAX. DEPTH = 491 m | | | | | | | | | | | | |
| Recorder Initials: | | | | | | | | | | | | |
| NIS No. | DEPTH DESRED | Rosette Notes | | Hydro Team-PHEMEL | | Chloro | POC | Comments | | NIS No. | | |
| | | SALT | Nut.Btl | 02-Btl.No | DIC/AIk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | Specie | |
| 1 | BTH 491 | | | | | | | | | | | 1 |
| 2 | 300 | | | | | 673 | | | | | | 2 |
| 3 | 200 | | | | | 674 | | | | | | 3 |
| 4 | 100 | | | | | 675 | | | | | | 4 |
| 5 | 75 | | | | | 676 | | | | | | 5 |
| 6 | 50 | | | | | 677 | | | | | | 6 |
| 7 | 40 | | | | | 678 | | | | | | 7 |
| 8 | 30 | | | | | 679 | | | | | | 8 |
| 9 | 20 | | | | | 680 | | | | | | 9 |
| 10 | 10 | | | | | 681 | | | | | | 10 |
| 11 | 0 | | | | | 682 | | | | | | 11 |
| 12 | | | | | | 683 | | | | | | 12 |
| - | | | | | | K264 | | | | | | - |
| Inline | | | | | | | | | | | | |

VESSEL

Oscar Dwyer

CRUISE ID
D71504

PROJECT & LEG

CTD FileName:

STATION NO. 82

VESSEL

Oscar Dyson

CRUISE ID
DY1504
PROJECT & LEG
FOCI Spring Mooring Cruise

CTD FileName:

STATION NO.
83

| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) |
| 0825435. | 13 | N | 16667.98 | W | 09 | MAY | 15 | 07 | 44 | 4.5 | 79 | 1013 | 16410 | | UBW3 |
| SBE 9+ | | | | | | | | | | | | | | | |
| PRESS SN | | | | | | | | | | | | | | | |
| PRI TEMP SN | | | | | | | | | | | | | | | |
| SEC TEMP SN | | | | | | | | | | | | | | | |
| PRI COND SN | | | | | | | | | | | | | | | |
| SEC COND SN | | | | | | | | | | | | | | | |

| NIS DEPTH No. | Rosette Notes | Hydro Team-PMEL | | | Chloro | | | POC | Comments | NIS No. |
|---------------------|---------------|-----------------|---------|-----------|---------|---------|---------------|-------------|-------------|------------|
| | | SALT | Nut.Btl | O2-Btl.No | DIC/Alk | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | |
| 1 BTM | | | | | | 695 | | | | 1 |
| 2 300 | | | | | | 696 | | | | 2 |
| 3 200 | | | | | | 697 | | | | 3 |
| 4 100 | | | | | | 698 | | | | 4 |
| 5 75 | | | | | | 699 | | | | 5 |
| 6 50 | | | | | | 700 | | | | 6 |
| 7 40 | | | | | | 701 | | | | 7 |
| 8 30 | | | | | | 702 | | | | 8 |
| 9 20 | | | | | | 703 | | | | 9 |
| 10 10 | | | | | | 704 | | | | 10 |
| 11 0 | | | | | | 705 | | | | 11 |
| 12 | | | | | | | | | | 12 |
| 1 | Intline | | | | | | | | | 1 |

Recorder Initials:

| | | | | | | | |
|-------------------------------|----------------------------|--|--|------------|---------------------------------------|----------|-----|
| VESSEL Oscar Dyson | CRUISE ID DY1504 | PROJECT & LEG FOCI Spring Mooring Cruise | CTD File Name: 84 | | | | |
| CONSC CAST # | LATITUDE 28.63 N | LONGITUDE 166.01.09 W | TIME (GMT) 15 MAY 2009 12:50 | | | | |
| DEG | MIN | DEG | MIN | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 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 | | 02 Tmp Sensor No. | | | | | |
| <i>Span</i> | | | | | | | |
| WEATHER OBS: CALM | | | | | | | |
| REMARKS: | | | | | | | |
| SPEC/BOTTOM Temp. | | | | | | | |
| MAX. DEPTH = 523 m | | | | | | | |
| Recorder Initials: JLW | | | | | | | |
| NIS | DEPTH | Rosette Notes | Hydro Team-PMEI | Chloro | POC | Comments | NIS |
| No. | DESIRED | | SALT Nut.Btl. 02-Btl.No DIC/ALK | GFF Vol | >10 Large Vol GFF Dup Vol >10 dup vol | 500 ml | No. |
| 1 | 37m | 154 | 706 | 278 | | | 1 |
| 2 | 300 | | 707 | | | | 2 |
| 3 | 200 | | 208 | | | | 3 |
| 4 | 180 | | 209 | | | | 4 |
| 5 | 75 | | 210 | | | | 5 |
| 6 | 50 | | 211 | | | | 6 |
| 7 | 40 | | 212 | | | | 7 |
| 8 | 30 | | 213 | | | | 8 |
| 9 | 20 | | 214 | | | | 9 |
| 10 | 10 | | 215 | | | | 10 |
| 11 | 0 | | 216 | | | | 11 |
| 12 | | | | | | | 12 |
| 1 | | Inline | | | | | 1 |

VESSEL

CRUISE ID

PROJECT & LEG

CTD FileName:

STATION NO.

| VESSEL Oscar Dyson | | CRUISE ID DY1504 | | PROJECT & LEG FOCI Spring Mooring Cruise | | CTD File Name: | | STATION NO. 86 | | | | | | | | | | | |
|---------------------------------|----------|---------------------|-----------|---|--------------------|----------------|----------|-------------------|---------------|---------------|--------------|--------------|--------------|-------|-----|----|-----|-------|--|
| 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 | YR | HR | MIN | (°C) | (%) | (mb) | (deg) | (kts) | (m) | | | | |
| 085 | 54 | 18.70 | N | 165 | 52.65 | W | 09 | MAY | 15 | 12 | 39 | 4.9 | 77 | 1010 | 157 | 18 | 111 | UBWJO | |
| SBE 9+ | | | | | FLUOR S/N | | | | | | | | | | | | | | |
| PRESS S/N | | | | | SBE43-Dwy (prime) | | | | | | | | | | | | | | |
| PRI TEMP S/N | | | | | SBE43-Dwy (sec) | | | | | | | | | | | | | | |
| SEC TEMP S/N | | | | | Transmissometer | | | | | | | | | | | | | | |
| PRI COND S/N | | | | | PAR S/N | | | | | | | | | | | | | | |
| SEC COND S/N | | | | | 02 Trip Senson No. | | | | | | | | | | | | | | |
| <i>SAMS</i> | | | | | | | | | | | | | | | | | | | |
| UNDERWAY DURING MULTINET @ sea. | | | | | | | | | | | | | | | | | | | |
| Recorder Initials: | | | | | | | | | | | | | | | | | | | |
| NIS No. | DEPTH | Rosette Notes | | Hydro Team-PMEL | | Chloro | | POC | | Comments | | NIS No. | | | | | | | |
| | | | | SALT | Nut.Btl | 02-Btl/No | DIC/ALK | GFF Vol | >10 Large Vol | GFF Dup Vol | >10 dup vol | 500 ml | | | | | | | |
| 1 | 8m | | | 725 | | | | | | | | | | | | 1 | | | |
| 2 | 75 | | | 729 | | | | | | | | | | | | 2 | | | |
| 3 | 50 | | | 730 | | | | | | | | | | | | 3 | | | |
| 4 | 46 | | | 731 | | | | | | | | | | | | 4 | | | |
| 5 | 30 | | | 732 | | | | | | | | | | | | 5 | | | |
| 6 | 20 | | | 733 | | | | | | | | | | | | 6 | | | |
| 7 | 10 | | | 734 | | | | | | | | | | | | 7 | | | |
| 8 | 0 | | | 735 | | | | | | | | | | | | 8 | | | |
| 9 | | | | | | | | | | | | | | | | 9 | | | |
| 10 | | | | | | | | | | | | | | | | 10 | | | |
| 11 | | | | | | | | | | | | | | | | 11 | | | |
| 12 | | | | | | | | | | | | | | | | 12 | | | |
| 1 | | Inline | | 156 | 13:17:34 | | | 263 | 13:16:21 | | | | | | | | 1 | | |

561-321444

Chlor - 2.32