

## DAILY SCIENCE LOG

## Ocean Sciences Division, Institute of Ocean Sciences

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| Month <u>July</u> |              |     |            | Year <u>2016</u> |            | Vessel <u>Neocalanus</u> |                     |                       |              | Cruise ID <u>2016-27</u> |                       |              |               |                                                              |                      |
|-------------------|--------------|-----|------------|------------------|------------|--------------------------|---------------------|-----------------------|--------------|--------------------------|-----------------------|--------------|---------------|--------------------------------------------------------------|----------------------|
| Event Number      | Station Name | Day | Time (UTC) | Time Code        | Event Type | Firing Method            | Positional Latitude | Information Longitude | Bottom Depth | Max Pressure             | Sample Serial Numbers | # of Bottles | Watch Keepers | Trns/FI Cleaned                                              | Comments             |
| 73                | 59           | 21  | 18:50      | MR               | BOT        |                          | 48° 36.962          | 123° 15.018           | 237          | 0                        | 63-                   | 1            |               | <input type="checkbox"/> <input type="checkbox"/>            | POM-SI               |
| 74                | 59           | 21  | 18:53      | MR               | BOT        |                          | 48° 36.955          | 123° 15.023           | 237          |                          | 64-                   | 1            |               | <input type="checkbox"/> <input type="checkbox"/>            | OW 2xHPLC, 2xION     |
| 75                | 59           | 21  | 19:14      | MR               | BOT        |                          | 48° 36.965          | 123° 15.060           | 237          | 5                        | 65-66                 | 2            |               | <input type="checkbox"/> <input type="checkbox"/>            | POM-FA               |
| 76                | 6101         | 21  | 20:20      | BE               | NET        |                          | 48° 45.863          | 123° 20.551           | 68           |                          | -                     |              | MM            | <input type="checkbox"/> <input type="checkbox"/>            | Some of the sample   |
|                   |              |     | 20:22      | BO               |            |                          | 48° 45.865          | 123° 20.562           |              | 58                       | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            | lost due to spillage |
|                   |              |     | 20:23      | EN               |            |                          | 48° 45.869          | 123° 20.571           |              |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
| ✓ 77              | 6101         | 21  | 20:28      | BE               | CTD        |                          | 48° 45.871          | 123° 20.565           | 68           |                          | -                     |              | GC            | <input checked="" type="checkbox"/> <input type="checkbox"/> |                      |
|                   |              |     | 20:30      | BO               |            |                          | 48° 45.879          | 123° 20.565           |              | 58                       | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
|                   |              |     | 20:31      | EN               |            |                          | 48° 45.886          | 123° 20.571           |              |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
| 78                | SC04         | 21  | 20:58      | BE               | NET        |                          | 48° 43.515          | 123° 25.004           | 97           |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
|                   |              |     | 21:01      | BO               |            |                          | 48° 43.522          | 123° 25.026           |              | 87                       | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
|                   |              |     | 21:03      | EN               |            |                          | 48° 43.529          | 123° 25.036           | 98           |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
| ✓ 79              | SC04         | 21  | 21:09      | BE               | CTD        |                          | 48° 43.516          | 123° 25.004           |              | 88                       | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
|                   |              |     | 21:12      | BO               |            |                          | 48° 43.527          | 123° 25.015           |              |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
|                   |              |     | 21:13      | EN               |            |                          | 48° 43.541          | 123° 25.022           |              |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
| 80                | SC04         | 21  | 20:58      |                  | BOT        |                          | 48° 43.515          | 123° 25.004           | 97           | 0                        | 67-                   | 1            |               | <input type="checkbox"/> <input type="checkbox"/>            | POM-SI               |
| 81                | SC04         | 21  | 21:01      |                  | BOT        |                          | 48° 43.522          | 123° 25.026           | 97           | 0                        | 68-                   | 1            |               | <input type="checkbox"/> <input type="checkbox"/>            | WCHL, 2xHPLC, 2xION  |
|                   |              |     | :          |                  |            |                          | °                   | °                     |              |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |
|                   |              |     | :          |                  |            |                          | °                   | °                     |              |                          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |                      |

## Event Type:

BOT = Bottle cast (no CTD)  
CTD = Standalone CTD  
ROS = CTD in Rosette  
SET = Fish Set

## LOOP = Sea Water Loop

MOR = Mooring  
NET = Plankton Net Haul  
DRF = Drifter  
\_\_\_\_ = \_\_\_\_\_

## Bottle Firing Method:

US = Up / Stop (default)  
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DN = Down / No stop

## Notes:

## Time Code:

BE = Beginning Time of Cast  
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## CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products

DE = Deployment Time  
MR = Messenger Release Time  
RE = Recover Mooring Time

Produced by the Water Properties Group, IOS

WaterProperties.ca  
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| Month        |              |     | Year       |           |            | Vessel        |                        |             | Cruise ID    |              |                       | Page         |               |                                                              | of       |  |  |
|--------------|--------------|-----|------------|-----------|------------|---------------|------------------------|-------------|--------------|--------------|-----------------------|--------------|---------------|--------------------------------------------------------------|----------|--|--|
| Event Number | Station Name | Day | Time (UTC) | Time Code | Event Type | Firing Method | Positional Information |             | Bottom Depth | Max Pressure | Sample Serial Numbers | # of Bottles | Watch Keepers | Trns/FI Cleaned                                              | Comments |  |  |
|              |              |     |            |           |            |               | Latitude               | Longitude   |              |              |                       |              |               |                                                              |          |  |  |
| 82           | CBEZ         | 21  | 22:01      | BE        | NET        |               | 48° 44.234             | 123° 34.461 | 69           |              | -                     |              | HM            | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | 22:02      | BO        |            |               | 48° 44.227             | 123° 34.457 |              | 59.          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | 22:03      | BN        |            |               | 48° 44.222             | 123° 34.456 |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
| 83           | CBEZ         | 21  | 22:07      | BE        | CTD        |               | 48° 44.216             | 123° 34.461 | 69           |              | -                     |              | GC            | <input type="checkbox"/> <input checked="" type="checkbox"/> |          |  |  |
|              |              |     | 22:10      | BO        |            |               | 48° 44.212             | 123° 34.474 |              | 59.          | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | 22:12      | BN        |            |               | 48° 44.211             | 123° 34.478 |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              | -                     |              |               | <input type="checkbox"/> <input type="checkbox"/>            |          |  |  |
|              |              |     | :          |           |            |               | °                      | °           |              |              |                       |              |               |                                                              |          |  |  |

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