# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** Mid-winter 2015-16 **Page** 1 / 3

**CTD #:** 5 **Data Dump #** 0247 **Observer(s):** Sharman, F. Stommler, C. Snoot

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 02 | 21 | 59.04671 | -137.05629 | 549✓ | 2016/10/12 | 21:47 | 195 | 180 | Bottles failed to close. |
| 03 | 21 | 59.04840 | -137.05894 | 550✓ | 2016/10/12 | 23:32 | 195 | 180 | Re-cast (bottles). Bottles failed to close again. |
| 04 | 01 | 58.41371 | -135.99657 | 551✓ | 2016/10/13 | 23:46 | 62 | 50 | Mod. line 4, cast to 55m. |
| 05 | 24 | 58.33393 | -136.11203 | 552✓ | 2016/10/14 | 18:15 | 140 | 125 | E. breeze blow us W. off stn. Lots of line 4, cast to 150m. Bottles failed to close - will re-cast. |
| 06 | 24 | 58.33622 | -136.11476 | 553✓ | 2016/10/14 | 18:52 | 140 | 125 | Re-cast of Stn. 24 for bottles. Cast to 160m this time. Bottles closed! |
| 07 | 04 | 58.65144 | -136.11649 | 554✓ | 2016/10/14 | 23:05 | 288 | 260 | Slt. line 4 - cast to 280m. |
| 08 | 13 | 58.73420 | -136.11322 | 555✓ | 2016/10/15 | 17:45 | 146 | 130 | Cast to 140m. |
| 09 | 16 | 58.89534 | -136.09441 | 556✓ | 2016/10/15 | 21:37 | 313 | 280 | Cast to 290m. |
| 10 | 14 | 58.79162 | -136.10948 | 557✓ | 2016/10/15 | 23:20 | 81 | 70 | Cast to 75m. |
| 11 | 18 | 59.05017 | -136.18613 | 558✓ | 2016/10/16 | 21:47 | 214 | 190 | Cast to 200m. Will re-cast, bottles failed to close. |

**NOTE:** Cast 01 a test cast (discarded). Cast 05 was not uploaded since Cast 06 (which was) uploaded was a re-cast of Stn. 24.

1601_5_0247_01.hex

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** Mid-winter 2015-16 **Page** 2 of 3

**CTD #:** 5 **Data Dump #** 0247 **Observer(s):** Sharman, F. Stemmler, C. Smoot

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 12 | 18 | 59.04792 | -136.19020 | 559✓ | 2016/01/16 | 22:36 | 214 | 190 | Re-cast of 11. (For bottles) Cast to 200m. Bottles closed! |
| | Sharman, D. | Dick, M. | Stites, | E. Cole | | : | | | |
| 13 | 12 | 59.03489 | -137.02126 | 559✓ | 2016/02/04 | 18:48 | 288 | 260 | S. wind blew us N. off stn. Lots of line & - Cast to 300m |
| 14 | 11 | 58.97104 | -136.91530 | 560✓ | 2016/02/04 | 19:34 | 338 | 300 | S. breeze blew us N. off stn. Lots of line & - cast to 350m. |
| 15 | 10 | 58.89924 | -136.83844 | 561✓ | 2016/02/04 | 20:15 | 361 | 330 | |
| 16 | 09 | 58.89748 | -136.73715 | 562✓ | 2016/02/04 | 20:52 | 377 | 340 | Cast to 350m. Fernstrom's cups. |
| 17 | 08 | 58.86518 | -136.59338 | 563✓ | 2016/02/04 | 21:42 | 426 | 390 | Zuniga cups (2 batches) Berghaltz cups (1 batch) |
| 18 | 07 | 58.81132 | -136.47388 | 564✓ | 2016/02/04 | 22:36 | 435 | 400m | 3 batches Berghaltz cups |
| 19 | 06 | 58.75848 | -136.34146 | 565✓ | 2016/02/04 | 23:17 | 288 | 260 | |
| 20 | 05 | 58.70395 | -136.23267 | 566✓ | 2016/02/04 | 23:49 | 366 | 330 | Mod. line & - cast to 350m. * Touched bottom * |

**NOTE:** Repl. ECO batts., Stn. map for Faith. ~~* Principal scheduled occupation of Stns. 19 & 20.~~

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** Mid-winter 2015-16 **Page** 3 / 3

**CTD #:** 5 **Data Dump #** 0247 **Observer(s):** Sharman, D. Dick, M. Stitz, E. Cole

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 21 | 20 | 59.08609 | -136.37102 | 566 ✓ | 2016/02/05 | 17:57 | 179 | 160 | |
| 22 | 19 | 59.07156 | -136.33577 | 567 ✓ | 2016/02/05 | 18:16 | 225 | 200 | Slt. line 4 - cast to 210m. |
| 23 | 17 | 58.97480 | -136.13719 | 568 ✓ | 2016/02/05 | 19:19 | 155 | 140 | |
| 24 | 03 | 58.57058 | -136.06657 | 569 ✓ | 2016/02/05 | 20:54 | 112 | 100 | Mod. line 4 - cast to 110m. |
| 25 | 02 | 58.48902 | -136.05182 | 570 ✓ | 2016/02/05 | 21:26 | 93 | 80 | |
| 26 | 00 | 58.32658 | -135.87558 | 571 ✓ | 2016/02/05 | 22:08 | 53 | 45 | Cast to 50m. |
| | | . | . | | / / | : | | | |
| | | . | . | | / / | : | | | |
| | | . | . | | / / | : | | | |
| | | . | . | | / / | : | | | |

**NOTE:**

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** March 2016 **Page** 1 / 1

**CTD #:** 5 **Data Dump #** 0248 **Observer(s):** Sharman, L. Taylor-Thomas (on 3/8). Sharman + P. Atkinson 3/12. Sharman + LT-T + T. Bruno 3/14.

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 27 | 01 | 58.41014 | -135.99614 | | 2016/03/08 | 16:04 | 62 | 50 | Mod. line ∡ - Cast to 55m. |
| 28 | 24 | 58.33323 | -136.11403 | 573 | 2016/03/12 | 23:55 | 140 | 125 | Slt. line ∡ - Cast to 130m. |
| 32 | 12 | 59.03310 | -137.01825 | 574 | 2016/03/14 | 17:11 | 288 | 260 | Mod. line ∡ (N. breeze blew us s. off stn.) - Cast to 280m. |
| 33 | 07 | 58.81166 | -136.47844 | 575 | 2016/03/14 | 18:40 | 435 | 400 | cast to 420m. |
| 35 | 16 | 58.89550 | -136.09296 | 576 | 2016/03/14 | 20:41 | 313 | 280 | Blooming @ surf.! |
| 36 | 20 | 59.08639 | -136.37091 | 577 | 2016/03/14 | 21:38 | 179 | 150 | Blooming @ surf.! |
| 37 | 13 | 58.73234 | -136.11433 | 578 | 2016/03/14 | 22:51 | 146 | 130 | Blooming @ surf.? |
| 38 | 04 | 58.65091 | -136.11618 | 579 | 2016/03/14 | 23:16 | 288 | 250 | cast to 260m b/c line angle. |
| | | __.____ | __.____ | | __/__/__ | __:__ | | | |
| | | __.____ | __.____ | | __/__/__ | __:__ | | | |

**NOTE:** Cast #s 29-31 and 34 were test casts and were discarded.

1603_5_0248_27.hex

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** April 2016 **Page** 1 / 1

**CTD #:** 5 **Data Dump #** 0249 **Observer(s):** L. Taylor-Thomas, T. Bruno, F. Stemmler, C. Smoot

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 01 | 24 | 58.33416 | -136.11284 | 580 | 2016/04/04 | 16:14 | 139 | 120 | |
| 02 | 01 | 58.41652 | -136.00191 | 581 | 2016/04/04 | 17:56 | 66 | 55 | |
| 03 | 04 | 58.65134 | -136.11392 | ~~582~~ | 2016/04/04 | 19:21 | ~288 | 250 | |
| 04 | 20 | 59.08628 | -136.37161 | 582 | 2016/04/04 | 21:52 | 170 | 150 | waypoint 582 (must have deleted previous) |
| 05 | 16 | 58.89675 | -136.09306 | 583 | 2016/04/04 | 23:38 | 313 | 270 | slight line angle, cast to 280m |
| 06 | 13 | 58.73082 | -136.11070 | 584 | 2016/04/05 | 15:56 | 146 | 130 | |
| 07 | 12 | 59.03410 | -137.02022 | 585 | 2016/04/05 | 18:34 | 288 | 250 | |
| 08 | 07 | 58.8100 | -136.47508 | 586 | 2016/04/05 | 20:34 | 435 | 400 | |
| | | .  | .  | | / / | :  | | | |
| | | .  | .  | | / / | :  | | | |

**NOTE:**

1604_5_0249_01.hex

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** Fog Lark **Cruise:** May 2016 **Page** 1 / 1

**CTD #:** 5 **Data Dump #** ~~0250~~ 0249 **Observer(s):** L. Taylor-Thomas, C. Smoot, F. Stemmler, T. Bruno

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 09 | 01 | 58.41610 | -136.00014 | 587 | 2016/05/02 | 15:52 | 64 | 50 | |
| 10 | 04 | 58.65159 | -136.11421 | 588 | 2016/05/02 | 17:18 | 288 | 270 | |
| 11 | 16 | 58.89931 | -136.09401 | 589 | 2016/05/02 | 19:25 | 313 | 290 | mod. line angle - cast to 300 |
| 12 | 20 | 59.08580 | -136.37167 | 590 | 2016/05/02 | 21:29 | 175 ~~142~~ | 170 ~~130~~ | unreliable depth reading from boat |
| 13 | 13 | 58.72933 | -136.10953 | 591 | 2016/05/03 | 15:29 | 149 | 140 | did not sample on 05/02 because of HBW activity, return to station on 05/03 |
| 14 | 12 | 59.03191 | -137.01668 | 592 | 2016/05/03 | 17:42 | 288 | 270 | |
| 15 | 07 | 58.81070 | -136.47406 | 593 | 2016/05/03 | 20:23 | 435 | 420 | bottle 6 contained no water |
| 16 | 07 | 58.81206 | -136.47591 | 594 | 2016/05/03 | 21:50 | 435 | 50 | re-cast of station 7 with psa 01 for surface water sample (bottle 6) |
| 17 | 24 | 58.33280 | -136.12135 | 595 | 2016/05/03 | 23:31 | 145 | 130 | no bottles triggered, steep line angle |
| 18 | 24 | 58.33334 | -136.11739 | 596 | 2016/05/03 | 23:51 | 145 | 150 | |

**NOTE:** data entered LFT 5/4/16

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** "June" 2016 **Page** 1 / 1

**CTD #:** 5 **Data Dump #** 025D **Observer(s):** L. Sharman, D. Escobedo, L. Marois, E. Weiss, S. Biessel, E. Sharman, Z. Skelton

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 01 | 01 | 58.41403 | -136.00095 | 596 ✓ | 2016/05/31 | 14:44 | 62 | 50 | Bad cast (failed to remove syringe) |
| 02 | 01 | 58.41274 | -136.49518 | 597 ✓ | 2016/05/31 | 15:04 | 62 | 50 | Re-cast - slt. line ∡ (Cast to 55m) tide pushed us N. off stn. |
| 03 | 24 | 58.33374 | -136.11476 | 598 ✓ | 2016/05/31 | 15:51 | 136 | 120 | |
| 04 | 04 | 58.65232 | -136.11575 | 599 ✓ | 2016/05/31 | 17:06 | 290 | 260 | Lots of line ∡ (N. breeze blew us S. off stn. - Cast to 290m. |
| 05 | 13 | 58.73268 | -136.11696 | 600 ✓ | 2016/05/31 | 17:38 | 144 | 130 | Slt. line ∡ - Cast to 135m. * Surf. bloom? |
| 06 | 16 | 58.89538 | -136.09398 | 601 ✓ | 2016/05/31 | 18:13 | 307 | 280 | Slt. line ∡ - Cast to 285m. * Surf. bloom? |
| 07 | 20 | 59.08625 | -136.37137 | 602 ✓ | 2016/05/31 | 19:13 | 199 | 180 | Very turbid @ surf. |
| 08 | 12 | 59.03374 | -137.01820 | 603 ✓ | 2016/05/31 | 22:16 | 289 | 260 | Very turbid @ surf. |
| 09 | 07 | 58.81517 | -136.47890 | 604 ✓ | 2016/05/31 | 23:47 | 422 | 390 | Lots of line ∡ - Cast to 450m. |
| | | __.__ | __.__ | | __/__/__ | __:__ | | | |

**NOTE:**

1606_5_025D_01.hex

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** July 2016 **Page** 1 / 3

**CTD #:** 5 **Data Dump #** 0251 **Observer(s):** L. Sharman, F. Stemmler, V. Domena, R. Sharman

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 10 | 24 | 58.33241 | -136.11887 | 624 | 2016/07/15 | 20:44 | 142 | 125 | Slt. line x-cast to 130m. |
| 11 | 00 | 58.32693 | -135.87607 | 625 | 2016/07/15 | 22:49 | 54 | 50 | Bottle 4 failed to close - will re-cast. Did not upload. |
| 12 | 00 | 58.32849 | -135.87865 | 626 | 2016/07/15 | 23:04 | 56 | 50 | Good cast. |
| 13 | 01 | 58.41153 | -135.99380 | 627 | 2016/07/16 | 00:40 | 62 | 55 | |
| 14 | 02 | 58.48938 | -136.05232 | 628 | 2016/07/16 | 01:44 | 91 | 80 | Bottles failed to close - will re-cast Did not upload. |
| 15 | 02 | 58.49128 | -136.05513 | 629 | 2016/07/16 | 02:05 | 93 | 85 | Good cast. Blooming @ surf. |
| 16 | 04 | 58.65066 | -136.11449 | 630 | 2016/07/16 | 16:33 | 290 | 265 | Blooming @ surf. |
| 17 | 05 | 58.70404 | -136.23149 | 631 | 2016/07/16 | 17:56 | 339 | 310 | Blooming @ surf. Slt. line x-cast to 320m. |
| 18 | 06 | 58.75945 | -136.34233 | 632 | 2016/07/16 | 19:09 | 282 | 260 | Blooming @ surf. |
| 19 | 07 | 58.81045 | -136.47368 | 633 | 2016/07/16 | 20:25 | 422 | 390 | Blooming @ surf. Slt. line x, cast to 400m. |

**NOTE:**

1607_5_0251_01.hex

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** July 2016 **Page** 2 / 3

**CTD #:** 5 **Data Dump #** 0251 **Observer(s):** L. Sherman, F. Stommler, V. Domena, R. Sherman

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 20 | 08 | 58.86467 | -136.59364 | 634 | 2016/07/16 | 21:46 | 404 | 380 | |
| 21 | 09 | 58.89740 | -136.73576 | 635 | 2016/07/16 | 23:04 | 349 | 325 | |
| 22 | 10 | 58.89808 | -136.83824 | 637 | 2016/07/17 | 00:30 | 338 | 315 | |
| 23 | 11 | 58.97152 | -136.91696 | 638 | 2016/07/17 | 01:37 | 328 | 305 | |
| 24 | 12 | 59.03312 | -137.01807 | 639 | 2016/07/17 | 16:22 | 289 | 270 | Bottle 1 (bottom) closed after touched bottom (mud). * For some reason, data failed to upload. |
| 25 | 21 | 59.04778 | -137.05719 | 640 | 2016/07/17 | 18:02 | 242 | 225 | Very turbid @ surf. * Touched bottom @ ~215m. Raised to 205m for 2-min. bottom soak. |
| 26 | 14 | 58.79109 | -136.10806 | 641 | 2016/07/17 | 20:24 | 96 | 80 | Blooming @ surf. |
| 27 | 13 | 58.73217 | -136.11238 | 642 | 2016/07/17 | 21:57 | 146 | 130 | Blooming @ surf. |
| 28 | 03 | 58.57179 | -136.06496 | 643 | 2016/07/17 | 23:14 | 117 | 105 | Blooming @ surf. Slt. line ↗ - cast to 110m. |
| 29 | 16 | 58.89564 | -136.09389 | 644 | 2016/07/18 | 17:10 | 313 | 280 | Slt. line ↗, cast to 290m. Blooming @ surf. |

**NOTE:**

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** July 2016 **Page** 3 / 3

**CTD #:** 5 **Data Dump #** 0251 **Observer(s):** L. Sharman, F. Stemmler, V. Domena, R. Sharman (+ K. Boomer video)

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 30 | 17 | 58.97450 | -136.13672 | 645 | 2016/07/18 | 18:17 | 190 | 170 | ~~[illegible]~~ Uploaded CTD twice (30 + 30a). Use (a). |
| 31 | 18 | 59.04985 | -136.18449 | 646 | 2016/07/18 | 19:21 | 213 | 190 | Turbid @ surf. |
| 32 | 19 | 59.07175 | -136.33577 | 647 | 2016/07/18 | 20:30 | 234 | 210 | Turbid @ surf. |
| 33 | 20 | 59.08603 | -136.37294 | 648 | 2016/07/18 | 21:59 | 199 | 180 | Very turbid @ surf. Mod. line ∡ (N. breeze blew us S. off stn. Cast to ~190m, appeared to touch bottom. |
| | | __.____ | __.____ | | ___/__/__ | __:__ | | | |
| | | __.____ | __.____ | | ___/__/__ | __:__ | | | |
| | | __.____ | __.____ | | ___/__/__ | __:__ | | | |
| | | __.____ | __.____ | | ___/__/__ | __:__ | | | |
| | | __.____ | __.____ | | ___/__/__ | __:__ | | | |
| | | __.____ | __.____ | | ___/__/__ | __:__ | | | |

**NOTE:**

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** Fog Lark **Cruise:** August 2016 **Page** 1 / 1

**CTD #:** 5 **Data Dump #** 0252 **Observer(s):** Sharman, K. Friesen, J. Bailey, E. Thomas, J. Havey, C. Toth

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 01 | 01 | 58.41327 | -135.99910 | 648 ✓ | 2016/08/11 | 15:10 | 62 | 50 | |
| 02 | 24 | 58.33334 | -136.11562 | 649 ✓ | 2016/08/11 | 16:22 | 140 | 125 | |
| 03 | 04 | 58.65166 | -136.11494 | 650 ✓ | 2016/08/11 | 17:55 | 290 | 270 | |
| 04 | 07 | 58.81132 | -136.47446 | 651 ✓ | 2016/08/11 | 18:50 | 435 | 400 | Blooming @ surf. Slt. line ∡ - cast to 420m. Paused @ 370m on upcast (puller ran out of gas). |
| 05 | 12 | 59.03361 | -137.01895 | 652 ✓ | 2016/08/11 | 20:18 | 289 | 270 | ~~* This also read 653 I pushed the button after Lewis did (KF)~~ |
| 06 | 13 | 58.73230 | -136.11322 | 654 ✓ | 2016/08/11 | 22:03 | 144 | 130 | |
| 07 | 20 | 59.08612 | -136.37131 | 655 ✓ | 2016/08/11 | 23:29 | 199 | 180 | Very turbid @ surf. Touched bottom @ ~165m! |
| 08 | 16 | 58.89555 | -136.09396 | 656 ✓ | 2016/08/12 | 00:28 | 313 | 280 | |
| | | __.__ | __.__ | | __/__/__ | __:__ | | | |
| | | __.__ | __.__ | | __/__/__ | __:__ | | | |

**NOTE:**

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** September 2016 **Page** 1 / 1

**CTD #:** 5 **Data Dump #** 0253 **Observer(s):** Sharman, F. Stevenson, J. Bailey, C. Hopcroft

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 01 | 01 | 58.41222 | -135.99605 | 656 | 2016/09/06 | 15:44 | 62 | 50 | Ebbing tide pushed us S. off stn. |
| 02 | 04 | 58.64956 | -136.11507 | 657 | 2016/09/06 | 17:18 | 290 | 265 | Slt. line ∡ - cast to 270m. Blooming @ surf. |
| 03 | 13 | 58.73212 | -136.11534 | 658 | 2016/09/06 | 18:39 | 143 | 125 | Slt. line ∡ - cast to 130m. |
| 04 | 07 | 58.81011 | -136.47437 | 659 | 2016/09/06 | 20:09 | 435 | 400 | Mod. line ∡ (N. breeze blew us S. off stn.) - cast to 420m. |
| 05 | 12 | 59.03378 | -137.01918 | 661 | 2016/09/06 | 22:29 | 290 | 260 | |
| 06 | 16 | 58.89658 | -136.09277 | 662 | 2016/09/07 | 17:11 | 307 | 280 | Slt. line ∡ - cast to 290m. |
| 07 | 20 | 59.08582 | -136.37148 | 663 | 2016/09/07 | 18:58 | 171 | 160 | Very turbid @ surf. |
| 08 | 24 | 58.33353 | -136.11086 | 664 | 2016/09/07 | 22:33 | 138 | 125 | Cast to 130m. |
| | | . | . | | / / | : | | | |
| | | . | . | | / / | : | | | |

**NOTE:**

1609_5_0253_01.hex

# Oceanographic Survey Field Log
# Glacier Bay National Park and Preserve

**Vessel:** FOG LARK **Cruise:** OCTOBER 2016 **Page** 1 / 1

**CTD #:** 5 **Data Dump #** 0254 **Observer(s):** Sharman, Stamnder, C. Smoot, J. Buckheit

| Cast # | Station # | Latitude (°N) | Longitude (°W) | Waypoint | Date GMT (YYYY/MM/DD) | Time GMT (HH:MM) | Fathometer Depth (m) | Target Depth (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| ~~09~~ 01 | 01 | 58.41411 | -135.99564 | 664 | 2016/10/03 | 16:49 | 62 | 55 | Mod. line ∡ - N. breeze below we S. off stn. |
| ~~10~~ 02 | 24 | 58.33347 | -136.11453 | 666 | 2016/10/03 | 18:18 | 140 | 125 | |
| ~~11~~ 03 | 07 | 58.81265 | -136.47508 | 667 | 2016/10/03 | 22:55 | 435 | 400 | Lots of line ∡, cast to 450m. |
| ~~12~~ 04 | 12 | 59.03309 | -137.01892 | 668 | 2016/10/04 | 02:04 | 288 | 260 | Mod. line ∡, cast to 270m. |
| ~~13~~ 05 | 16 | 58.89565 | -136.09554 | 669 | 2016/10/04 | 17:34 | 313 | 280 | Mod. line ∡ (NE breeze below we SW off stn.) - cast to 300m. |
| ~~14~~ 06 | 20 | 59.08618 | -136.36938 | 670 | 2016/10/04 | 19:59 | 150 | 140 | Lots of line ∡ (W. breeze below we E. off stn.) Bad cast. Did not download. |
| ~~15~~ 07 | 20 | 59.08613 | -136.37086 | 671 | 2016/10/04 | 20:28 | 165 | 150 | Re-cast of cast 14 (bad) - this one good. Lots of line angle. |
| ~~16~~ 08 | 13 | 58.73307 | -136.11485 | 672 | 2016/10/04 | 22:42 | 150 | 135 | Mod. line ∡, cast to 140m. |
| ~~17~~ 09 | 04 | 58.65036 | -136.11610 | 673 | 2016/10/04 | 23:53 | 288 | 260 | Lots of line ∡, cast to 280m. |
| | | . | . | | / / | : | | | |

**NOTE:**

1610_5_0254_01.hex