Oceanographic Su[illegible]y Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: Mid-Winter 2012-2013 Page 1 / 3

CTD #: 5 Data Dump # 0222 Observer(s): Sharman, Reisdorph, F. Schalla

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	58.33168	-136.12448	308 ✓	2013/02/06	19:03	140	135	W-ward drift, slt. line L. (E. bridge, ebb tide)
02	00	58.32630	-135.87619	309 ✓	2013/02/06	19:53	53	40	Bottles 4+6 failed to close; Bottle 5 closed @ surf. Will re-cast.
03	00	58.32763	-135.87349	310 ✓	2013/02/06	20:21	53	45	Re-cast @ Stn. 00. Bottles 4+5 closed @ surf. Bottle 6 failed to close.
04	01	58.41136	-135.99521	311 ✓	2013/02/06	21:03	62	50	S-ward drift off stn. (tide ebb).
05	02	58.48840	-136.05116	312 ✓	2013/02/06	21:40	93	80	S-ward drift off stn. (ebbing tide).
06	03	58.57314	-136.06401	313 ✓	2013/02/06	22:18	112	100	Some bottles failed to close, so will re-cast.
07	03	58.56801	-136.06166	314 ✓	2013/02/06	22:35	112	100	S-ward drift off stn. (ebbing tide).
08	04	58.65205	-136.11484	315 ✓	2013/02/06	23:12	288	260	
09	05	58.70473	-136.23409	316 ✓	2013/02/06	23:52	366	330	
10	06	58.75964	-136.34422	317 ✓	2013/02/07	00:38	288	260	

NOTE:

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Oceanographic S[illegible]ey Field Log
Glacier Bay National Park and Preserve

Vessel: Fog Lark Cruise: Mid-Winter 2012-2013 Feb. Page 2 3

CTD #: 5 Data Dump # 0222 Observer(s): Sharman, Reisdorph, F. Schaller

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
11	13	58.73233	-136.11292	318 ✓	2013/02/07	01:25	146	130	
12	19	59.09137	-136.33528	318 ✓	2013/02/07	20:07	225	205	2nd day Edge of thick pan ice. Unable to access Sta. 20 this cruise.
13	18	59.04933	-136.18442	319 ✓	2013/02/07	21:04	214	195	
14	17	58.97463	-136.13707	320 ✓	2013/02/07	21:47	155	140	
15	16	58.89457	-136.09384	321 ✓	2013/02/07	22:23	313	285	
16	08	58.88444	-136.59242	321 ✓	2013/02/08	18:47	426	390	3rd day.
17	09	58.89742	-136.73593	322 ✓	2013/02/08	19:36	377	340	
18	10	58.89882	-136.83923	323 ✓	2013/02/08	20:18	361	330	
19	11	58.97333	-136.91823	324 ✓	2013/02/08	21:03	338	310	
20	12	59.03427	-137.02068	325 ✓	2013/02/08	22:23	288	260	

NOTE: Unable to access Sta. 20 due to thick pan ice.
2/8/13 0930 no SLL @ Gloomy.

Oceanographic Su[illegible]y Field Log
Glacier Bay National Park and Preserve

Feb

Vessel: Fog Lark Cruise: Mid-Winter 2012-2013 Page 3 | 3

CTD #: 5 Data Dump # 0222 Observer(s): Sharman, Reindorph, F. Schaller

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
21	21	59.04773	-137.05754	326 ✓	2013 / 02 / 08	23:20	195	175	
22	07	58.81108	-136.47380	327 ✓	2013 / 02 / 09	01:39	435	400	Cups!
23	14	58.79139	-136.10872	327 ✓	2013 / 02 / 09	18:22	81	75	DAY 4
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NOTE:

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: MARCH 2013 Page 1 / 1

CTD #: 5 Data Dump # 0223 Observer(s): SHARMAN, Caleb Wagner

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
~~23~~ 24	12	59.03287	-137.01718	327	2013/03/04	18:57	288	260	Brisk N. breeze blew us S. off stn. Lots of line &, so cast 280m of line.
25	07	58.81391	-136.48006	328	2013/03/04	20:43	435	400	N. breeze caused S-ward drift + lots of line &. Cast 450m of line.
26	16	58.89663	-136.09457	329	2013/03/04	23:05	313	280	Slt. line &.
27	13	58.73403	-136.11409	330	2013/03/04	23:47	146	130	Slt. line &.
28	04	58.65179	-136.11581	331	2013/03/05	00:13	288	260	Lots of line &, so cast 300m of line. N. breeze
29	24	58.33434	-136.11526	332	2013/03/05	01:37	140	125	Slt. line &, Cast to 130m of line.
30	01	58.41371	-135.99611	333	2013/03/05	02:06	62	50	
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		.	.		/ /	:			

NOTE: No SSLs @ Gloomy 3/4 @ Noon. 2-3 orca N-bound 3 mi. N. of Thingit Pt. 1220 3/4.
6 sea otters Pt. McLeod; 4 just S. of Sealers Is.
* Could not occupy Stn. 20 due to pan ice.

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SEAN Deliverable OC_H Field Log

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK **Cruise:** APRIL 2013 **Page** 1 / 1

CTD #: 5 **Data Dump #** 0224 **Observer(s):** Sharman, E. Fano, S. Schaller, L. Buchheit, E. Johnson, T. VanderBerg

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	58.33545	-136.11624	✓ 333	2013 104101	16:18	140	125	W-ward drift off stn. (tide)
✓ 02	01	58.41006	-135.99005	✓ 334	2013 104101	17:17	62	50	S-ward drift off stn. (tide)
✓ 03	04	58.65213	-136.11499	✓ 335	2013 104101	18:09	288	260	
✓ 04	07	58.81219	-136.47739	✓ 336	2013 104101	19:08	435	400	Slt. line ∡, Cast 420m of line.
✓ 05	13	58.73278	-136.11249	✓ 337	2013 104101	22:24	146	130	
X 06	16	58.89511	-136.09351	✓ 338	2013 104101	22:59	313	280	Mod. line ∡ (S. breeze blew us N. off stn.). Cast 140 m line. Too shallow ↑ must re-cast
✓ 07	20	59.08607	-136.37144	✓ 339	2013 104101	23:56	179	160	
✓ 08	16	58.89543	-136.09326	✓ 340	2013 104102	01:00	313	280	RE-CAST. Use this one!
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		__.__	__.__		__/__/__	__:__			

NOTE: Did not sample Stn. 12 - inaccessible due to pan ice.
No SSLs @ Gloomy 2:00PM. 1st HBW off Muir Pt., 2:45 PM.

Could not occupy Stn. 12 due to pan ice.

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SEAN Deliverable OC_H Field Log

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: May 2013 Page 1 / 1

CTD #: 5 Data Dump # 0225 Observer(s): Sherman, P. Atkinson, A. Evans, B. Mason, L. Liebermann, S.T. McLaughlin

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
✓ 09	24	58.33218	-136.11623	343 ✓	2013/05/08	15:28	140	125	
✓ 10	01	58.41146	-135.99486	344 ✓	2013/05/08	16:41	62	50	
✓ 11	04	58.65053	-136.11540	345 ✓	2013/05/08	18:05	288	260	Serious 1°+2° bloom happening @ surf.
✓ 12	07	58.81063	-136.47256	346 ✓	2013/05/08	19:07	435	400	Ditto
✓ 13	12	59.03425	-137.02077	347 ✓	2013/05/08	20:30	288	260	Surface turbidity.
✓ 14	13	58.73294	-136.11372	348 ✓	2013/05/08	22:14	146	120	Surface blooming! Accidental short cast (120m vs. 130m)
✓ 15	16	58.89682	-136.09564	349 ✓	2013/05/08	22:51	313	280	Surf. blooming. Slt. line ↯.
✓ 16	20	59.08653	-136.37123	350 ✓	2013/05/08	23:48	179	160	Surface turbidity. ☆ Appears that CTD was left "on" long after cast completed.
~~17~~							~~Discarded last cast.~~		

NOTE: No SSL's @ Gloomy.

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Oceanographic Su..y Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: "JUNE" 2013 Page 1 / 1

CTD #: 5 Data Dump # 0226 Observer(s): L. Sharman, B. Driver, J. Rodstrom, C. Edelman, P. Wagner, E. Sharman

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
X [redacted]	17 24	58.33367	136.11864	350	2013/05/30	14:25	140	125	Forgot to open bottles prior to soak - re-cast.
✓ 18	24	58.33337	-136.12076	351	2013/05/30	14:31	140	125	Ebbing tide pushed us W. off Upload in (temp.) Cast #18. on stn.
✓ 19	01	58.41246	-135.99634	352	2013/05/30	15:46	62	50	~~[illegible]~~. [redacted]
✓ 20	04	58.65162	-136.11542	353	2013/05/30	16:53	288	260	N. breeze blew us S. off stn. Mod. line ↯
✓ 21	13	58.73258	-136.11481	354	2013/05/30	17:28	146	130	
✓ 22	07	58.81077	-136.47591	355	2013/05/30	18:20	435	400	N. breeze blew us S. off stn. Touched Mod. line ↯ - cast to 420m. bottom!
✓ 23	12	59.03347	-137.02039	356	2013/05/30	20:31	288	260	
✓ 24	16	58.89551	-136.09412	357	2013/05/30	22:48	313	280	Mod. line ↯, Cast to 290. S. breeze blew us N. off stn.
✓ 25	20	59.08615	-136.37230	358	2013/05/30	23:47	179	160	Very turbid @ surf. Mod. line ↯, cast to 170m N. breeze blew us S. off stn.
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NOTE: No SSL's @ Gloomy.

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OK

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: July 2013 Page 1 / 3

CTD #: 5 Data Dump # 0227 Observer(s): Sharman, Reisdorph, L. Friscd, M. Bower, S. Danielson

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
28	24	58.33311	-136.11786	358 ✓	2013 / 07 / 17	17:11	140	125	W. breeze, slt. line ∡. (but on sta.)
29	00	58.32618	-135.87489	359 ✓	2013 / 07 / 17	18:12	53	45	Cast to ~52m!
30	01	58.41346	-135.99765	360 ✓	2013 / 07 / 17	19:01	62	50	S. breeze blew us N. off stn. Slt. line ∡, cast to 55m.
31	02	58.48648	-136.04959	361 ✓	2013 / 07 / 17	19:52	93	80	Current pushed us S. off stn. Ebbing
32	03	58.57153	-136.06488	362 ✓	2013 / 07 / 17	20:43	112	95	
33	04	58.65168	-136.11452	363 ✓	2013 / 07 / 17	21:18	288	260	
34	13	58.73305	-136.11269	364 ✓	2013 / 07 / 17	21:59	146	130	
35	05	58.70438	-136.23331	365 ✓	2013 / 07 / 17	22:31	366	330	
36	06	58.75985	-136.34245	366 ✓	2013 / 07 / 17	23:13	288	260	
37	07	58.81078	-136.47400	367 ✓	2013 / 07 / 17	23:54	435	400	Cast to 420m.

NOTE:

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Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: July 2013 Page 2/3

CTD #: 5 Data Dump # 0227 Observer(s): Sherman, Rudolph, Frisch, Bower

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
38	08	58.86443	-136.59261	368 ✓	2013 10 18	00:42	426	390	Cast to 400m.
39	09	58.89790	-136.73814	369 ✓	2013 10 18	01:29	377	340	Mod. line ∡ (N. breeze) Cast to 360m. Surf. turbidity.
40	10	58.89851	-136.83908	370 ✓	2013 10 18	17:19	361	330	
41	11	58.97182	-136.91615	371 ✓	2013 10 18	18:15	338	310	
42	12	59.03301	-137.01825	372 ✓	2013 10 18	19:09	288	260	
43	21	59.04768	-137.05795	373 ✓	2013 10 18	20:09	195	175	
44	14	58.79218	-136.10870	374 ✓	2013 10 18	22:16	81	70	Cast to 80m
45	16	58.89612	-136.09267	375 ✓	2013 10 18	22:50	313	280	Mod. line ∡. S. breeze blew us N. off stn. Cast to 300m.
46	17	58.97512	-136.13722	376 ✓	2013 10 18	23:30	155	140	Slt. line ∡. But held stn. Depth is ~200m here. Cast to 150m.
47	18	59.05029	-136.18423	377 ✓	2013 10 19	00:06	214	190	Surf. turbidity.

NOTE: No SSL @ Gloomy 1330 7/18

1307_5_0227_xx.hex

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: Fog Park **Cruise:** July 2013 **Page** 3/3

CTD #: 5 **Data Dump #** 0227 **Observer(s):** Sherman, Rudolph, Frisch, Bower

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
48	19	59.07134	-136.33498	378 ✓	2013/07/19	00:40	225	200	Surf. turbidity
49	20	59.08533	-136.37129	379 ✓	2013/07/19	01:06	179	160	Very turbid @ surf.
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NOTE:

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK **Cruise:** August 2013 **Page** 1 / 1

CTD #: 5 **Data Dump #** 0228 **Observer(s):** Sharman, S. Sanders, D. Sanders, A. Ringland, 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
01	24	58.33549	-136.11391	379	2013/08/05	16:17	140	125	Set line & flooding tide pushed us NE off stn. Cast to 130m.
02	01	58.41250	-135.99390	380	2013/08/05	17:25	62	50	Bad cast
03	01	58.41272	-135.99471	381	2013/08/05	17:35	62	50	Set line & cast to 55m.
04	04	58.65068	-136.11511	382	2013/08/05	18:46	288	260	
05	13	58.73213	-136.11345	383	2013/08/05	19:20	146	130	
06	07	58.81199	-136.47565	384	2013/08/05	20:03	435	400	
07	12	59.03394	-137.01880	385	2013/08/05	21:29	288	260	
08	16	58.89589	-136.09366	386	2013/08/05	23:56	313	280	
09	20	59.08617	-136.37186	387	2013/08/06	00:56	179	160	very turbid @ surface.
		.	.		/ /	:			

NOTE: No Stellar Sea lions @ Gloomy Knob 15:00 8/5

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Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: SEPTEMBER 2013 Page 1 / 1

CTD #: 5 Data Dump # 0229 Observer(s): Sharman, K. Mocnik, C. Buchheit, C. Richardson, K. Werth, S. McCullough

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
~~01~~ 10	24	58.33293	-136.11821	387 ✓	2013/09/03	15:30	140	125	
11	01	58.41258	-135.99617	388 ✓	2013/09/03	16:30	62	50	
12	04	58.65134	-136.11507	389 ✓	2013/09/03	17:21	288	260	Slt. line ∡, cast to 270m.
13	13	58.73202	-136.11313	390 ✓	2013/09/03	17:52	146	130	Mod. line ∡, cast to 140m.
14	07	58.81110	-136.47491	391 ✓	2013/09/03	18:35	435	400	Mod. line ∡, cast to 420m.
15	12	59.03320	-137.01836	392 ✓	2013/09/03	19:55	288	260	Mod. line ∡, cast to 270m. Turbid at surface.
16	16	58.89634	-136.09383	393 ✓	2013/09/03	22:00	313	280	Mod. line ∡, cast to 290m.
17	20	59.08622	-136.37196	394 ✓	2013/09/03	22:57	179	160	Very turbid @ surf.
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		__.__	__.__		__/__/__	__:__			

NOTE: No SSL's @ Gloomy (~1:30PM).

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Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: OCTOBER 2013 Page 1 / 1

CTD #: 5 Data Dump # 0230 Observer(s): SHARMAN, Kathleen Doran, Jim Schomaker, [illegible], Sean Neilson, Allison Banks

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
✓ 01	12	59.03208	-137.01590	395 ✓	2013/10/21	17:54	288	260	Mod. line ∡ (N. breeze blew us S. off stn.) - cast to 280m. Surface turbid
✓ 02	07	58.81345	-136.47798	396 ✓	2013/10/21	19:09	435	400	Lots of line ∡ (N. breeze, S-ward drift) - cast to 450m.
✓ 03	13	58.73262	-136.11290	397 ✓	2013/10/21	20:13	146	130	
✓ 04	16	58.89585	-136.09373	398 ✓	2013/10/21	20:47	313	280	Slt. line ∡, cast to 290m.
✓ 05	20	59.08619	-136.37129	399 ✓	2013/10/21	21:44	179	160	Very turbid @ surf.
✓ 06	04	58.65053	-136.11523	400 ✓	2013/10/21	23:14	288	260	Slt. line ∡, cast to 270m.
✓ 07	01	58.41242	-135.99513	401 ✓	2013/10/22	00:03	62	50	
✓ 08	24	58.33377	-136.11835	402 ✓	2013/10/22	00:26	140	125	Slt. line ∡, cast to 140m.
		__.__	__.__		__/__/__	__:__			
		__.__	__.__		__/__/__	__:__			

NOTE: 1 HBW N. end Gilbert ~ 0830.
No SSL @ Gloomy ~ 1100.

* Late cruise due to govt. shutdown. *

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