

Oceanographic survey Field Log

Glacier Bay National Park and Preserve

Vessel: Fog LARK Cruise: Mid-winter (Jan.) 2017 Page 1/3

CTD #: 5 Data Dump # (0255) Observer(s): L. Sharmen, Stember, Smart, R. Sharmen, E. Sharmen

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	58.33354	136.11958	673	20171011	17:36	143	130	Moderate line angle, cast to 140m bad cast, bottles did not trip.
02	24	58.33259	136.11992	674	20171011	17:59	144	130	bad cast - bottles did not trip
03	24	58.33308	136.12012	675	20171011	18:22	145	130	Moderate line angle, cast to 140m
04	01	58.41135	135.99646	676	20171011	21:53	65	55	Moderate line angle, cast to 140m bad cast - bottles did not trip
05	01	58.41235	135.99542	677	20171011	22:08	65	55	bad cast - one bottle did not trip Perfect cast!
06	24	58.33262	136.11955	678	20171011	23:02	145	135	Good cast
07	00	58.33460	135.87463	679	20171012	00:20	61	50	Failed to turn on need to recast
07	00	58.32368	135.87834	680	20171012	00:33	53	45	bottle #1 failed to close need to recast
08	00	58.32592	135.88165	681	20171012	00:55	50	40	Good cast.
09	04	58.65012	136.11613	682	20171012	17:30	288	260	bad cast - bottle #1 didn't trip will recast

NOTE:

1701-5-0255-01.hex

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

Vessel: FOG LARK

Cruise: Mid-Winter (Jan.) 2017

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CTD #: 5 Data Dump # 0255

Observer(s): L. Sharman, Stemmler, Smoot, R. Shaoman, E. Shaoman

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
10	04	<u>58.61936</u>	<u>-136.11435</u>	<u>683</u>	<u>2017101112</u>	<u>17:54</u>	<u>288</u>	<u>260</u>	<u>Good cast.</u>
11	07	<u>58.81020</u>	<u>-136.47377</u>	<u>684</u>	<u>2017101112</u>	<u>19:26</u>	<u>435</u>	<u>400</u>	
12	12	<u>59.03437</u>	<u>-137.01846</u>	<u>685</u>	<u>2017101112</u>	<u>21:20</u>	<u>288</u>	<u>260</u>	<u>moderate live animal N. profile, washed up at station. Cast to 280 m.</u>
13	03	<u>58.57160</u>	<u>-136.06425</u>	<u>686</u>	<u>2017101114</u>	<u>22:03</u>	<u>112</u>	<u>100</u>	
14	02	<u>58.49065</u>	<u>-136.05276</u>	<u>687</u>	<u>2017101114</u>	<u>23:22</u>	<u>93</u>	<u>85</u>	<u>CTD coverage no data!</u>
15	13	<u>58.72983</u>	<u>-136.11078</u>	<u>688</u>	<u>2017101117</u>	<u>17:57</u>	<u>149</u>	<u>135</u>	<u>L. Sharman, Stemmler, Smoot only</u>
16	16	<u>58.89646</u>	<u>-136.09415</u>	<u>689</u>	<u>2017101117</u>	<u>19:15</u>	<u>313</u>	<u>280</u>	<u>"</u>
17	20	<u>59.08550</u>	<u>-136.37131</u>	<u>690</u>	<u>2017101117</u>	<u>21:01</u>	<u>177</u>	<u>160</u>	<u>" Turbid @ surf.</u>
18	19	<u>59.07123</u>	<u>-136.33652</u>	<u>691</u>	<u>2017101117</u>	<u>22:11</u>	<u>222</u>	<u>200</u>	<u>" Turbid @ surf.</u>
19	18	<u>59.05066</u>	<u>-136.12684</u>	<u>692</u>	<u>2017101117</u>	<u>23:18</u>	<u>214</u>	<u>195</u>	<u>"</u>

NOTE:

Oceanographic survey Field Log

Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: MID-WINTER (JAN) 2017 Page 3/3

CTD #: 5 Data Dump # (0255) Observer(s): Sharman, C. Folow, D. Rawlings, C. Rawlings

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
20	21	59.04898	137.05669	693	201710129	19:49	200	1850	Turbid @ surf. Mod. line & - east N. breeze below to S. off sta. to 200m
21	11	58.97365	136.91786	694	201710129	20:42	338	310	Mod. line & (N. breeze below no S. off sta. - east to 340m.
22	10	58.89962	136.84010	695	201710129	21:18	361	325	
23	09	58.89850	136.73735	696	201710129	21:47	377	340	St. line & (N. breeze below no S. off sta.) east to 360m.
24	08	58.86639	136.59940	697	201710129	22:20	426	380	lots of line & - east to 420m.
25	06	58.76097	136.34399	698	201710129	23:14	288	260	St. line & - east to 270m
26	05	58.70612	136.23598	699	201710129	23:48	366	330	
27	17	58.97486	136.13634	700	201710130	17:50	200	180	
28	14	58.79255	136.10849	701	201710130	18:37	86	70	lots of line & (N. breeze below no S. off sta.) - east to 80m

NOTE:

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

MARCH 2017

Vessel: _____ Cruise: _____ Page: ___/___

CTD #: _____ Data Dump # _____ Observer(s): _____

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
		—:—	—:—		—/—/—	—:—			*
		—:—	—:—		—/—/—	—:—			NO MARCH SURVEY
		—:—	—:—		—/—/—	—:—			- POOR WEATHER
		—:—	—:—		—/—/—	—:—			DURING ENTIRE
		—:—	—:—		—/—/—	—:—			SAMPLING WINDOW.
		—:—	—:—		—/—/—	—:—			*
		—:—	—:—		—/—/—	—:—			
		—:—	—:—		—/—/—	—:—			
		—:—	—:—		—/—/—	—:—			
		—:—	—:—		—/—/—	—:—			

NOTE:

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

April

Vessel: Fog Lark

Cruise: 2017

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CTD #: 5 Data Dump # 0258

Observer(s): Sherman, Stember, Sweet, A. Davis

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
29	01	58.41268	135.99448	701	2017-10-4-03	15:29	66	55	
30	24	58.33256	136.11681	702	2017-10-4-03	16:51	145	130	Bad Cast * Bad Cast* (Bottle 1 failed to close)
31	24	58.33330	136.11797	703	2017-10-4-03	17:17	145	130	Mod. Line & (E. Dredge below mo. w. off str.). Re-cast of above.
32	04	58.65769	136.11407	704	2017-10-4-03	19:30	288	260	Std. Line &. Cast to 270m.
33	07	58.81212	136.47609	705	2017-10-4-03	21:26	435	400	Mod. Line & (N. Dredge below mo S. off str.). Cast to 430m.
34	12	59.03300	137.01820	706	2017-10-4-03	23:56	288	260	
35	16	58.89521	136.09117	707	2017-10-4-03	17:04	313	290	
36	20	59.08705	136.37320	708	2017-10-4-04	19:00	140	125	Bad Cast* (Bottle failed to close)
37	20	59.08592	136.37068	709	2017-10-4-04	19:22	175	155	Re-cast of above.
38	13	58.73724	136.10892	710	2017-10-4-04	21:37	150	135	Mod. Line & (N. Dredge below mo S. off str.). Cast to 150m.

NOTE: ~50 SSLs @ Gloomy Ankerst 18/5 on 4/3/17

↑ No net casts @ this sta. (too rough).

1704-5-0256-29.hex

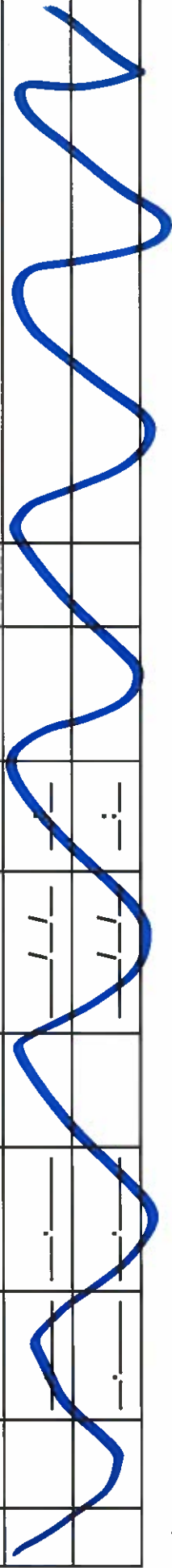
Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

Vessel: DOG LARK Cruise: May 2017 Page 1/1
 Observer(s): Sharman, F. Stambler, C.J. Wilson, H. Strickman

CTD #: 5 Data Dump # 0257

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
39	24	58.33361	136.11639	710	2017 105104 ⁰⁴	15:26	141	125	
40	01	58.41241	135.99344	711	2017 105104	18:14	65	55	
41	04	58.65100	136.11333	712	2017 105104	19:39	288	260	Blooming @ surf. S. line & (N. Drage blow as S. off str.) - cast to 270m.
42	07	58.81390	136.47874	713	2017 105104	23:26	435	400	Blooming @ Surf. Mod. line & - cast to 420m.
43	12	59.03336	137.01961	714	2017 105105	15:55	288	280	Mod. line & (dove up on it w/ the boat) N. with blow as S. off str.
44	13	58.73243	136.11255	715	2017 105105	19:31	152	135	Blooming? Blooming!
45	16	58.89669	136.09367	716	2017 105105	21:37	313	280	Mod. line & (S. Drage blow as N. off str.) - Cast to 300m. Blooming!
46	20	59.08606	136.37131	717	2017 105105	23:58	170	155	Turbid @ surf.



NOTE:

1705-5-0257-39.hex

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

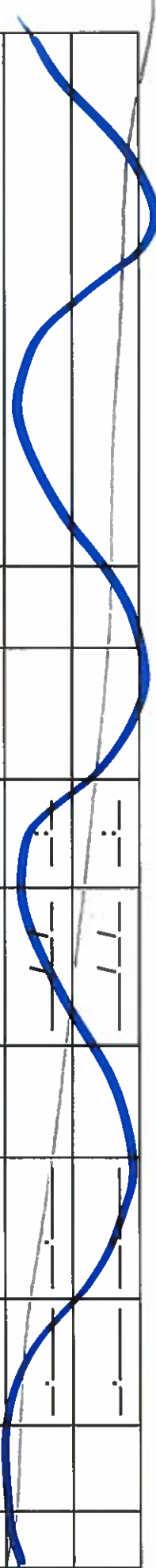
AR676

FOGATA

Vessel: _____ Cruise: "June" 2017 Page 111

CTD #: 5 Data Dump # (0258) Observer(s): Sherman, W. Brown, T. Rogachev, M. McCarthy

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
47	24	58.33305	136.11870	717V	2017105131	15:43	140	125	
48	01	58.41194	135.99471	718V	2017105131	16:42	62	55	
49	04	58.65094	136.11525	719V	2017105131	17:38	288	260	
50	07	58.81182	136.47652	720V	2017105131	18:37	435	400	Top of line & (N. Drape below me S. off sta.) - cast to 450m
51	12	59.03309	137.01727	721V	2017105131	20:11	288	260	Top of line & (N. Drape below me S. off sta.) - cast to 290m.
52	13	58.73209	136.11324	722V	2017105131	22:58	146	130	
53	16	58.89629	136.09360	723V	2017105131	23:38	313	280	
54	20	59.08598	136.37175	724V	2017105101	00:38	179	160	Very turbid @ surf. St. line & - cast to 170m.



NOTE:

1706-5-0258-47.hex

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

Vessel: FOG LARK

Cruise: Mid-summer 2017

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CTD #: 5 Data Dump # (0259) Observer(s): Sherman, R. Hopperoff, M. Hopperoff, G. Hopperoff, D. Ocho

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
55	24	<u>58.33412</u>	<u>-136.11597</u>	724	<u>2017107114</u>	<u>16:05</u>	142	125	Bottom failed to close - will re-cast.
56	24	<u>58.33478</u>	<u>-136.11723</u>	725	<u>2017107114</u>	<u>16:40</u>	142	140	Good cast.
57	00	<u>58.32593</u>	<u>-135.87257</u>	726	<u>2017107114</u>	<u>19:50</u>	58	50	
58	01	<u>58.41348</u>	<u>-135.99469</u>	727	<u>2017107114</u>	<u>20:57</u>	63	55	
59	02	<u>58.49358</u>	<u>-136.05316</u>	729	<u>2017107114</u>	<u>21:58</u>	93	85	
60	03	<u>58.57390</u>	<u>-136.06874</u>	730	<u>2017107114</u>	<u>23:29</u>	112	<u>5</u> 100	
61	04	<u>58.65319</u>	<u>-136.11546</u>	731	<u>2017107115</u>	<u>00:54</u>	288	260	Sh. line & (S. Dredge below us N. off str.) - cast to 270m.
62	05	<u>58.70365</u>	<u>-136.23338</u>	732	<u>2017107115</u>	<u>16:08</u>	366	330	Sh. line & (current moved us S, off str.) - cast to 350m.
63	06	<u>58.75957</u>	<u>-136.34325</u>	733	<u>2017107115</u>	<u>17:56</u>	288	260	Sh. line & (N. Dredge below us S. off str.) - cast to 270m.
64	07	<u>58.81078</u>	<u>-136.47581</u>	734	<u>2017107115</u>	<u>19:38</u>	435	400	Mod. line & - cast to 430m.

NOTE:

1707-5-0259-55.hex

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

Vessel: Fog Lark

Cruise: Mid-summer 2017

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CTD #: 5 Data Dump # 0259

Observer(s): Shuman, R. Hopenroff, M. Hopenroff, G. Hopenroff, D. Ocla

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
66	08	<u>58.86386</u>	<u>-136.59123</u>	<u>735</u>	<u>2017107115</u>	<u>21:33</u>	<u>426</u>	<u>390</u>	<u>Cast 65 is a Bad Cast! Use Cast 66. Cast to 410m* (mod. line →). Did not suspend 65.</u>
67	09	<u>58.89840</u>	<u>-136.73573</u>	<u>736</u>	<u>2017107115</u>	<u>23:08</u>	<u>377</u>	<u>340</u>	<u>Touched Bottom</u>
68	10	<u>58.89873</u>	<u>-136.83891</u>	<u>737</u>	<u>2017107116</u>	<u>00:38</u>	<u>361</u>	<u>330</u>	
69	11	<u>58.97207</u>	<u>-136.91685</u>	<u>739</u>	<u>2017107116</u>	<u>02:15</u>	<u>338</u>	<u>310</u>	
70	12	<u>59.03332</u>	<u>-137.01839</u>	<u>740</u>	<u>2017107116</u>	<u>03:55</u>	<u>288</u>	<u>260</u>	
71	21	<u>59.04781</u>	<u>-137.05817</u>	<u>741</u>	<u>2017107116</u>	<u>05:15</u>	<u>195</u>	<u>180</u>	
72	13	<u>58.73108</u>	<u>-136.11342</u>	<u>742</u>	<u>2017107116</u>	<u>17:02</u>	<u>149</u>	<u>135</u>	
73	14	<u>58.79029</u>	<u>-136.10899</u>	<u>743</u>	<u>2017107116</u>	<u>18:22</u>	<u>81</u>	<u>70</u>	
74	16	<u>58.89632</u>	<u>-136.09239</u>	<u>744</u>	<u>2017107116</u>	<u>19:32</u>	<u>313</u>	<u>290</u>	
75	17	<u>58.97495</u>	<u>-136.13661</u>	<u>745</u>	<u>2017107116</u>	<u>21:10</u>	<u>155</u>	<u>140</u>	

NOTE:

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

Vessel: Fog Bank Cruise: Mid-summer 2017 Page 313

CTD #: 5 Data Dump # 0259 Observer(s): Sarman, R. Hopperoff, M. Hopperoff, G. Hopperoff, D. Ocha

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
76	18	59.049774	136.18512	746	201710716	22:27	214	190	
77	19	59.07194	136.33662	747	201710716	23:53	225	200	St. line & - cast to 210m.
78	20	59.08578	136.37083	748	201710717	01:16	179	160	

NOTE:

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve



Ruetup

Vessel: DOG LARK

Cruise: August 2017

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CTD #: 5 Data Dump # 0260

Observer(s): Shorman, M. Stipek, S. Behrens, C. Kallberg, R. Henderson, R. Pursons, R. Wierda

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
79	01	<u>58.40948</u>	<u>-135.99353</u>	<u>748</u>	<u>2017108107</u>	<u>14:52</u>	<u>60</u>	<u>55</u>	
80	24	<u>58.33340</u>	<u>-136.11592</u>	<u>749</u>	<u>2017108107</u>	<u>15:48</u>	<u>137</u>	<u>125</u>	
81	04	<u>58.65062</u>	<u>-136.11488</u>	<u>750</u>	<u>2017108107</u>	<u>17:03</u>	<u>288</u>	<u>260</u>	
82	07	<u>58.81266</u>	<u>-136.48062</u>	<u>751</u>	<u>2017108107</u>	<u>18:05</u>	<u>435</u>	<u>400</u>	<u>Mod. line & - cast to 420m.</u>
83	12	<u>59.03302</u>	<u>-137.01808</u>	<u>752</u>	<u>2017108107</u>	<u>19:37</u>	<u>288</u>	<u>260</u>	<u>Turbid @ surf.</u>
84	13	<u>58.73265</u>	<u>-136.11279</u>	<u>753</u>	<u>2017108107</u>	<u>21:48</u>	<u>146</u>	<u>130</u>	
85	16	<u>58.89577</u>	<u>-136.09483</u>	<u>754</u>	<u>2017108107</u>	<u>22:28</u>	<u>313</u>	<u>280</u>	
86	20	<u>59.08894</u>	<u>-136.37331</u>	<u>755</u>	<u>2017108107</u>	<u>23:29</u>	<u>179</u>	<u>160</u>	<u>Very turbid @ surf. Turbid bottom @ ~175m.</u>
		-	-		<u>11</u>	<u>-</u>			
		-	-		<u>11</u>	<u>-</u>			

NOTE:

1708-5-0260-76⁹.hex

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

Vessel: FOE LARK

Cruise: SEPTEMBER 2017

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CTD #: 5 Data Dump # 0261

Observer(s): Sherman, F. Stammers, C. Smoot, I. Valladares

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
87	01	58.41320	135.99318	755	2017109105	15:08	63	55	1 of 2 repls. (see cast 96).
88	24	58.33164	136.10995	756	2017109105	18:43	133	120	Mod. line & - cast to 140m.
89	04	58.65046	136.11371	757	2017109105	21:26	288	260	lots of line & - cast to 290m.
90	20	59.08679	136.37256	758	2017109106	00:29	179	160	Very turbid @ surf
92	16	58.89610	136.09377	759	2017109106	02:07	313	285	* Cast 91 is "lost cast" (inadvertent on/off on deck).
93	13	58.73167	136.11351	760	2017109106	03:20	146	130	"
94	07	58.81092	136.47404	761	2017109106	17:24	435	400	Mod. line & (N. Inge below us S. off str.) - cast to 430m.
95	12	59.03357	137.01950	762	2017109106	19:53	288	260	
96	01	58.41248	136.99454	763	2017109106	23:03	63	55	Repl. of cast 87. * Use this one.*

NOTE:

Fluorometer not working?
 See Cast 90 (FAA + turbidity).

1709-5-0261-87_hex

Oceanographic Survey Field Log

Glacier Bay National Park and Preserve

Vessel: FOG LARK Cruise: OCTOBER 2017 Page 1/1

CTD #: 5 Data Dump # 0262 Observer(s): Shurman, A. Standish, C. Smart, H. Mendoza-Isles

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	58.41320	135.99524	763	2017110102	15:51	62	55	
02	24	58.33347	136.11639	764	2017110102	17:12	140	125	Bottles failed to close. Will re-cast.
03	24	58.33321	136.11798	765	2017110102	17:36	142	125	" " Ditto
04	24	58.33326	136.11726	766	2017110102	18:06	141	125	" " Ditto
05	24	58.33437	136.11632	767	2017110102	19:27	141	125	* Did not upload. * Test cast (Programmed for only 50-60m).
06	12	59.03391	137.01845	768	2017110102	23:41	288	260	Final lead at this station. 4 repl. casts total.
07	07	58.81062	136.47119	769	2017110103	01:39	435	400	Mod. line & - cast to 430m.
08	13	58.73233	136.11308	770	2017110103	16:50	154	140	
09	16	58.89627	136.09377	771	2017110103	18:30	313	290	
10	20	59.08670	136.37180	772	201710103	20:12	179	165	
11	04	58.65103	136.11691	773	201710103	22:21	288	265	

~~NOTE: 04~~
~~11~~ ~~1710-5-0262-01~~. hex
 Cast # ~~01~~