

March 2009

** Waypoint Datum:

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

Name: *Moyrahan Johnson/Sharman/Bruno*

Logbook Page: *01 of 87*

Cast Name: CTD id: <i>C0117801</i> Dump #: <i>17801</i> Cast #: 65694		Date: <i>20090324</i> Y Y Y Y M M D D		Time CTD on: <i>09:59</i> AKST or AKDT	
Lat: (decimal degrees) <i>58.39085</i> 65694		Lon: (decimal degrees) <i>136.26874</i> 11856		Time GPS position: <i>10:00</i>	
Depth: (m) <i>288</i>	CTD dropped to (m): <i>270</i>		Station# <i>04</i>	WP# <i>001</i>	
Comments: <i>Waypoint saved at end of cast</i>			Location: <i>N. of Drake & W. of Murchison</i>		
Tide High Height:	Low height:	Time since high:		Time since low:	
Sampling: <input checked="" type="radio"/> Oceanography <input type="radio"/> Sonic <input type="radio"/> Bottom <input type="radio"/> Dive <input type="radio"/> Other :			Tide Station:		

These 2

@ d-m.dd

Cast Name: CTD id: <i>C0117801</i> Dump #: <i>17801</i> Cast #: 70436		Date: <i>20090324</i> Y Y Y Y M M D D		Time CTD on: <i>10:41</i> AKST or AKDT	
Lat: (decimal degrees) <i>58.42085</i> 70436		Lon: (decimal degrees) <i>136.44083</i> 23456		Time GPS position: <i>10:43</i>	
Depth: (m) <i>366</i>	CTD dropped to (m): <i>300</i>		Station# <i>05</i>	WP# <i>002</i>	
Comments:			Location: <i>Between N. Drake & SW Kingst Pt.</i>		
Tide High Height:	Low height:	Time since high:		Time since low:	
Sampling: <input checked="" type="radio"/> Oceanography <input type="radio"/> Sonic <input type="radio"/> Bottom <input type="radio"/> Dive <input type="radio"/> Other :			Tide Station:		

Switch to decimal degrees start of this point

Cast Name: CTD id: <i>C0217802</i> Dump #: <i>17802</i> Cast #: 70436		Date: <i>20090324</i> Y Y Y Y M M D D		Time CTD on: <i>11:15</i> AKST or AKDT	
Lat: (decimal degrees) <i>58.75946</i> 70436		Lon: (decimal degrees) <i>136.34174</i> 70436		Time GPS position: <i>11:14</i>	
Depth: (m) <i>288</i>	CTD dropped to (m): <i>270</i>		Station# <i>06</i>	WP# <i>003</i>	
Comments:			Location: <i>E of High Miller Islet</i>		
Tide High Height:	Low height:	Time since high:		Time since low:	
Sampling: <input checked="" type="radio"/> Oceanography <input type="radio"/> Sonic <input type="radio"/> Bottom <input type="radio"/> Dive <input type="radio"/> Other :			Tide Station:		

** Waypoint Datum:

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

Name: Shannon / Monahan / Johnson / Bruno

Logbook Page: 02 of 37

Cast Name: C 0 1 1 7 8 0 3 CTD id Dump # Cast #			Date: 2 0 0 9 0 3 2 4 Y Y Y Y M M D D			Time CTD on: 1 4 : 3 0 AKST or AKDT		
Lat. (decimal degrees) 5 8 . 9 7 2 0 4			Lon. (decimal degrees) 1 3 6 . 9 1 6 5 0			Time GPS position: 1 4 : 3 0		
Depth: (m) <u>338</u>		CTD dropped to (m): <u>300</u>		Station# 0 1 1		WP# 0 0 4		Location: <u>Tarr Inlet</u>
Comments:								
Tide High Height:			Low height:			Time since high:		Time since low:
Sampling: <input checked="" type="radio"/> Oceanography <input type="radio"/> Sonic <input type="radio"/> Bottom <input type="radio"/> Dive <input type="radio"/> Other : Tide Station:								

0004 is load
0005 is the
red str. 10
HEX file

Cast Name: C 0 1 1 7 8 0 4 CTD id Dump # Cast #			Date: 2 0 0 9 0 3 2 4 Y Y Y Y M M D D			Time CTD on: 1 5 : 0 0 AKST or AKDT		
Lat. (decimal degrees) 5 8 . 8 9 9 0 0			Lon. (decimal degrees) 1 3 6 . 8 3 9 8 9			Time GPS position: 1 5 : 0 0		
Depth: (m) <u>361</u>		CTD dropped to (m): <u>(300) (399)</u>		Station# 0 1 0		WP# 0 0 5		Location: <u>N. of Reid Inlet</u>
Comments:								
Tide High Height:			Low height:			Time since high:		Time since low:
Sampling: <input checked="" type="radio"/> Oceanography <input type="radio"/> Sonic <input type="radio"/> Bottom <input type="radio"/> Dive <input type="radio"/> Other : Tide Station:								

Cast Name: C 0 1 1 7 8 0 5 CTD id Dump # Cast #			Date: 2 0 0 9 0 3 2 4 Y Y Y Y M M D D			Time CTD on: 1 5 : 2 5 AKST or AKDT		
Lat. (decimal degrees) 5 8 . 8 9 7 4 5			Lon. (decimal degrees) 1 3 6 . 7 3 6 4 3			Time GPS position: 1 5 : 2 5		
Depth: (m) <u>377</u>		CTD dropped to (m): <u>300</u>		Station# 0 0 9		WP# 0 0 6		Location: <u>SE of Russell Island</u>
Comments:								
Tide High Height:			Low height:			Time since high:		Time since low:
Sampling: <input checked="" type="radio"/> Oceanography <input type="radio"/> Sonic <input type="radio"/> Bottom <input type="radio"/> Dive <input type="radio"/> Other : Tide Station:								

* Stations 12, 21 not Accessible due to pack ice.

**** Waypoint Datum:**

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

Name: Johnson/Moynahan/Bruno/Shannon Logbook Page: 03 of 17

Cast Name: C 0 1 1 7 8 0 6 <small>CTD id Dump # Cast #</small>			Date: 2 0 0 9 0 3 2 4 <small>Y Y Y Y M M D D</small>			Time CTD on: 1 5 : 5 6 <small>AKST or AKDT</small>		
Lat: (decimal degrees) 5 8 . 8 6 4 0 0			Lon: (decimal degrees) 1 3 6 . 5 9 2 9			Time GPS position: 1 5 : 5 7		
Depth: (m) <u>426</u>		CTD dropped to (m): <u>300</u>		Station# 0 0 8		WP# 0 0 7		Comments: Location: <u>Si. of Randa Inlet</u>
Tide High Height:		Low height:		Time since high:		Time since low:		
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :				Tide Station:				

Cast Name: C 0 1 1 7 8 0 7 <small>CTD id Dump # Cast #</small>			Date: 2 0 0 9 0 3 2 4 <small>Y Y Y Y M M D D</small>			Time CTD on: 1 6 : 3 0 <small>AKST or AKDT</small>		
Lat: (decimal degrees) 5 8 . 8 1 1 0 3			Lon: (decimal degrees) 1 3 6 . 4 7 4 6 7			Time GPS position: 1 6 : 3 2		
Depth: (m) <u>435</u>		CTD dropped to (m): <u>300</u>		Station# 0 0 7		WP# 0 0 8		Comments: Location: <u>N. of Blue House, N. of T. Inlet</u>
Tide High Height:		Low height:		Time since high:		Time since low:		
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :				Tide Station:				

Cast Name: C <small>CTD id Dump # Cast #</small>			Date: <small>Y Y Y Y M M D D</small>			Time CTD on: : : <small>AKST or AKDT</small>		
Lat: (decimal degrees) : . : : : : :			Lon: (decimal degrees) : . : : : : :			Time GPS position: : : : : : : :		
Depth: (m)		CTD dropped to (m):		Station#		WP#		Comments: Location:
Tide High Height:		Low height:		Time since high:		Time since low:		
Sampling: Oceanography Sonic Bottom Dive Other :				Tide Station:				

* For all stations, depth copied f/ protocol table; fathometer not working on Arctic.

**** Waypoint Datum:**

OCEANOGRAPHY SURVEY
 Glacier Bay National Park & Preserve, Alaska

Name: _____

Logbook Page: 4 of 57

★

Cast Name: C 0 1 1 7 8 0 8 <small>CTD id Dump # Cast #</small>			Date: 2 0 0 9 0 3 2 5 <small>Y Y Y Y M M D D</small>			Time CTD on: 0 9 : 4 5 <small>AKST or AKDT</small>		
Lat: (decimal degrees) 5 8 . 7 3 2 5 7 <small>(4 3)</small>			Lon: (decimal degrees) 1 3 6 . 1 1 2 9 0 <small>(8 4)</small>			Time GPS position: 0 9 : 4 3		
Depth: (m) 146		CTD dropped to (m): 130		Station# 0 1 3		WP# 0 0 9		Location: SE Thimble Point, NE Shores
Comments:								
Tide High Height:			Low height:			Time since high:		Time since low:
Sampling: <input checked="" type="checkbox"/> Oceanography <input type="checkbox"/> Sonic <input type="checkbox"/> Bottom <input type="checkbox"/> Dive <input type="checkbox"/> Other :						Tide Station:		

Cast Name: C 0 1 1 7 8 0 9 <small>CTD id Dump # Cast #</small>			Date: 2 0 0 9 0 3 2 5 <small>Y Y Y Y M M D D</small>			Time CTD on: 0 9 : 0 2 <small>AKST or AKDT</small>		
Lat: (decimal degrees) 5 8 . 7 9 1 5 2			Lon: (decimal degrees) 1 3 6 . 1 0 8 8 0			Time GPS position: 0 9 : 0 3		
Depth: (m) 81		CTD dropped to (m): 70		Station# 0 1 4		WP# 0 1 1		Location: Muir Sill
Comments:								
Tide High Height:			Low height:			Time since high:		Time since low:
Sampling: <input checked="" type="checkbox"/> Oceanography <input type="checkbox"/> Sonic <input type="checkbox"/> Bottom <input type="checkbox"/> Dive <input type="checkbox"/> Other :						Tide Station:		

Cast Name: C 0 1 1 7 8 1 0 <small>CTD id Dump # Cast #</small>			Date: 2 0 0 9 0 3 2 5 <small>Y Y Y Y M M D D</small>			Time CTD on: 1 0 : 2 2 <small>AKST or AKDT</small>		
Lat: (decimal degrees) 5 9 . 0 1 2 1 5 <small>(0 7 1 5 1)</small>			Lon: (decimal degrees) 1 3 6 . 3 3 6 6 7			Time GPS position: 1 0 : 2 1		
Depth: (m) 225		CTD dropped to (m): 210		Station# 0 1 9		WP# 0 1 2		Location: Muir Inlet
Comments:								
Tide High Height:			Low height:			Time since high:		Time since low:
Sampling: <input checked="" type="checkbox"/> Oceanography <input type="checkbox"/> Sonic <input type="checkbox"/> Bottom <input type="checkbox"/> Dive <input type="checkbox"/> Other :						Tide Station:		

Station # 20 not accessible due to ice,

Replenish pencil supply.

**** Waypoint Datum:**

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

Name: Sharman/Mayrahan/Johnson/Breno Logbook Page: 5 of 7

Cast Name: C0117811 <small>CTD id Dump # Cast #</small>			Date: 20090325 <small>Y Y Y Y M M D D</small>			Time CTD on: 10:53 <small>AKST or AKDT</small>			
Lat: (decimal degrees) 59.04987			Lon: (decimal degrees) 136.18483			Time GPS position: 10:53			
Depth: (m) <u>214</u>		CTD dropped to (m): <u>210</u>		Station# 018013		WP#			
Comments:						Location: <u>S. of Rigg, N. of McBride Pt.</u>			
Tide High Height:			Low height:			Time since high:		Time since low:	
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :						Tide Station:			

Cast Name: C0117812 <small>CTD id Dump # Cast #</small>			Date: 20090325 <small>Y Y Y Y M M D D</small>			Time CTD on: 11:20 <small>AKST or AKDT</small>			
Lat: (decimal degrees) 58.97493			Lon: (decimal degrees) 136.13690			Time GPS position: 11:20 <small>19</small>			
Depth: (m) <u>212</u>		CTD dropped to (m): <u>200</u>		Station# 017014		WP#			
Comments: <u>Bottom Contact @ ~190m</u>						Location: <u>E of Westdahl Point</u>			
Tide High Height:			Low height:			Time since high:		Time since low:	
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :						Tide Station:			

Cast Name: C0117813 <small>CTD id Dump # Cast #</small>			Date: 20090325 <small>Y Y Y Y M M D D</small>			Time CTD on: 11:44 <small>AKST or AKDT</small>			
Lat: (decimal degrees) 58.84594 (89523)			Lon: (decimal degrees) 136.09346 (07337)			Time GPS position: 11:44 <small>3</small>			
Depth: (m) <u>313</u>		CTD dropped to (m): <u>300</u>		Station# 016015		WP#			
Comments:						Location: <u>E of Hunter Cove</u>			
Tide High Height:			Low height:			Time since high:		Time since low:	
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :						Tide Station:			

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

Name: Sharmen/Bredow/Bruno

Logbook Page: 6 of 7

Cast Name: C 0 1 1 7 8 1 4 CTD id Dump # Cast #	Date: 2 0 0 9 0 3 2 8 Y Y Y Y M M D D	Time CTD on: 0 9 : 0 4 AKST or AKDT
Lat: (decimal degrees) <u>32.512'</u> 5 8 . 1 7 3 0 1 1 <u>6 5 6 9 4</u>	Lon: (decimal degrees) <u>89.100'</u> 1 3 5 . 5 2 1 5 4 <u>6 1 1 8 5 6</u>	Time GPS position: 0 9 : 0 4
Depth: (m) <u>53</u>	CTD dropped to (m): <u>40</u>	Station# WP# 0 0 0 N118
Comments:		Location: <u>Ice Strait</u>
Tide High Height:	Low height:	Time since high:
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :	Tide Station:	

Cast Name: C 0 1 1 7 8 1 5 CTD id Dump # Cast #	Date: 2 0 0 9 0 3 2 8 Y Y Y Y M M D D	Time CTD on: 0 9 : 3 4 AKST or AKDT
Lat: (decimal degrees) <u>32.512'</u> 5 8 . 2 7 4 4 7 <u>4 7 2 4 0</u>	Lon: (decimal degrees) <u>89.100'</u> 1 3 5 . 5 2 1 5 4 <u>9 9 4 3 2</u>	Time GPS position: 0 9 : 3 4
Depth: (m) <u>62</u>	CTD dropped to (m): <u>50</u>	Station# WP# 0 1 0 N118
Comments:		Location: <u>Mouth of Glacier Bay</u>
Tide High Height:	Low height:	Time since high:
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :	Tide Station:	

Cast Name: C 0 1 1 7 8 1 6 CTD id Dump # Cast #	Date: 2 0 0 9 0 3 2 8 Y Y Y Y M M D D	Time CTD on: 0 9 : 5 6 AKST or AKDT
Lat: (decimal degrees) <u>32.512'</u> 5 8 . 2 9 2 4 3 <u>4 9 0 0 8</u>	Lon: (decimal degrees) <u>89.100'</u> 1 3 6 . 0 3 0 6 1 <u>0 5 1 7 0</u>	Time GPS position: 0 9 : 5 6
Depth: (m) <u>93</u>	CTD dropped to (m): <u>80</u>	Station# WP# 0 2 0 N118
Comments:		Location: <u>Sitabady Kanoo</u>
Tide High Height:	Low height:	Time since high:
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :	Tide Station:	

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

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Fjord Oceanography Monitoring

To: <u>Bill Johnson</u>	From: <u>Lewis Sharmen</u>
Dept./Agency: <u>NPS</u>	Phone #: <u>(907) 697-2623</u>
Fax #: <u>(907) 364-1540</u>	Fax #: <u>(907) 697-2654</u>

** Waypoint Datum:

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

Name: Sharma/Bredow/Bruno

Logbook Page: 7 of 7

Cast Name: C 0117817 <small>CTD id Dump # Cast #</small>		Date: 20090328 <small>Y Y Y Y M M D D</small>		Time CTD on: 10:15 <small>AKST or AKDT</small>	
Lat: (decimal degrees) 58.341814 <small>57183'</small>		Lon: (decimal degrees) 136.03577 <small>06525'</small>		Time GPS position: 10:13	
Depth: (m) <u>112</u>	CTD dropped to (m): <u>100</u>		Station# <u>030</u>	WP# <u>20</u>	
Comments:			Location: <u>SE of Willoughby Is.</u>		
Tide High Height:	Low height:	Time since high:		Time since low:	
Sampling: <u>Oceanography</u> Sonic Bottom Dive Other :			Tide Station:		

Cast Name: C <small>CTD id Dump # Cast #</small>		Date: <small>Y Y Y Y M M D D</small>		Time CTD on: : <small>AKST or AKDT</small>	
Lat: (decimal degrees) 58. <small>57183'</small>		Lon: (decimal degrees) . <small>06525'</small>		Time GPS position: : 	
Depth: (m)	CTD dropped to (m):		Station#	WP#	
Comments:			Location:		
Tide High Height:	Low height:	Time since high:		Time since low:	
Sampling: Oceanography Sonic Bottom Dive Other :			Tide Station:		

Cast Name: C <small>CTD id Dump # Cast #</small>		Date: <small>Y Y Y Y M M D D</small>		Time CTD on: : <small>AKST or AKDT</small>	
Lat: (decimal degrees) . <small>57183'</small>		Lon: (decimal degrees) . <small>06525'</small>		Time GPS position: : 	
Depth: (m)	CTD dropped to (m):		Station#	WP#	
Comments:			Location:		
Tide High Height:	Low height:	Time since high:		Time since low:	
Sampling: Oceanography Sonic Bottom Dive Other :			Tide Station:		

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: Arcté Cruise: April 2009 Page 2 / 2

CTD #: 01 Observer(s): Shayman C. Smith, Gersony B. Anderson Data Dump # 080

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
✓ 06	16	58.89599	136.69354	027	200910410	17:26	313	300	On @ 17:26
✓ 07	20	59.08596	136.37144	028	200910410	18:27	179	160	On @ 18:27 Bleeding?! Grossy tankard
✓ 08	13	58.73252	136.11366	029	200910410	19:46	146	130	On @ 19:46 *Forget to turn off for 30 mins.!
		-	-		-/-	-:-			
		-	-		-/-	-:-			
		-	-		-/-	-:-			
		-	-		-/-	-:-			

3,28 = m
Ft.

1 (not 01)

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: <u>CapeLIN</u>		Cruise: <u>May 2009</u>		Page <u>1</u> / <u>2</u>					
CTD #: <u>01</u>		Observer(s): <u>Sherman, W. Clark, Jessica Smith, [unclear]</u>				Data Dump # <u>01081</u>			
Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
✓ 00	01	58.417150	135.99792	030	2009105106	16:43	62	52	Cast to 90% of sediment depth on 10m above bottom, which is shallower. 2-min. surf. soak at beginning of cast.
✓ 01	04	58.650960	136.11610	031	2009105106	17:25	288	280	Cast. (Forgot 90%) - Oxp! (Forgot 90%)
✓ 02	13	58.733120	136.11366	032	2009105106	18:01	147	130	Bloom!?
✓ 03	16	58.845850	136.09376	033	2009105106	18:38	313	280	Bloom!?
✓ 04	20	59.086200	136.37141	034	2009105106	19:40	175	160	Surf. turbid layer looks like red. oz. phytopl.
					20091051				
					20091051				

to 70m
10m

77 ÷ 3,28 = m

Oceanographic Survey Field Log
 Glacier Bay National Park and Preserve

Vessel: Capelin Cruise: May 2009 Page 2/2

CTD #: 01 Observer(s): Sharon, Justin Smith Data Dump # 01801

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYYMMDD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
05	12	59.03225	137.01752	034	2009105107	19:18	285	260	
06	07	58.81107	136.47429	035	2009105107	20:55	435	410	
		---	---		---	---			
		---	---		---	---			
		---	---		---	---			
		---	---		---	---			
		---	---		---	---			

Chr. & Sunny - Occupied str. 7:30 AM - 11:45 AM $17 \div 3.28 = 10$

Cast 00 on 5/30
was a TEST

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: <u>Boona</u>		Cruise: <u>June 2009</u>		Page <u>1</u> / <u>2</u>					
CTD #: <u>01</u>		Observer(s): <u>Shannon, Eichenlaub</u>		Data Dump # <u>0182</u>					
Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
01	01	✓ <u>58.41223</u>	✓ <u>136.99129</u>	✓ 035	<u>2009 10 21 31</u>	✓ <u>15:38</u>	62	50	Relatively clear water
02	04	✓ <u>58.65087</u>	✓ <u>136.11476</u>	✓ 036	<u>2009 10 21 31</u>	✓ <u>16:33</u>	288	260	Blooming
03	13	✓ <u>58.73263</u>	✓ <u>136.11366</u>	✓ 037	<u>2009 10 21 31</u>	✓ <u>17:01</u>	146	130	Blooming more
04	16	✓ <u>58.89572</u>	✓ <u>136.09328</u>	✓ 038	<u>2009 10 21 31</u>	✓ <u>17:53</u>	313	290	Blooming like Sta. 13
05	20	✓ <u>59.08597</u>	✓ <u>136.37108</u>	✓ 039	<u>2009 10 21 31</u>	✓ <u>19:26</u>	179	160	Very silty @ surf.
		---	---		---	---			
		---	---		---	---			

* →

$17. \div 3.28 = m$

Chr. & sunny. No wind.
 Str. occupied 9:45 AM - 1:00 PM

Oceanographic Survey Field Log
 Glacier Bay National Park and Preserve

Vessel: Boomer Cruise: June 2009 Page 2/2

CTD #: 01 Observer(s): Sherman, Eichenlaub Data Dump #: 01802

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
07	07	58.81056	136.47289	040	2009 10/6/01	20:31	435	400	lots of live angle (shallow cast)
06	12	59.03354	137.01834	039	2009 10/6/01	17:52	288	260	

* note cast order!

47. 3.28 = m

Oceanographic Survey Field Log
 Glacier Bay National Park and Preserve

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Vessel: Sigma-t Cruise: July 2009
 CTD #: 01 Data Dump # 0183 Observer(s): Shannon, Eichenlaub

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
✓ 00	01	58.41245	135.99620	001	200910715	16:58	62	50	
✓ 01	24	58.33315	136.11699	A001	200910715	17:36	140	125	
✓ 02	00	58.32690	135.87613	001	200910715	18:13	53	40	Tots of plankton near surf!
✓ 03	02	58.48977	136.05141	002	200910715	19:14	93	80	
✓ 04	03	58.57140	136.06519	003	200910715	19:43	112	100	
✓ 05	04	58.65065	136.11484	004	200910715	20:05	288	260	
✓ 06	05	58.70704	136.23355	005	200910715	20:37	366	330	Went too far - touched bottom @ ~ 340m
✓ 07	06	58.75910	136.34184	006	200910715	21:19	288	260	
✓ 08	13	58.73245	136.11391	007	200910715	22:03	146	130	
					11				

COMMENT:

Oceanographic Survey Field Log
 Glacier Bay National Park and Preserve

Vessel: Sigma-T Cruise: July 2009

CTD #: 01 Data Dump # 0184 Observer(s): Sutton, Eickhardt

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
00	07	58.81086	136.47368	007 ✓	2009107116	18:07	435	400	foto of line angle.
01	08	58.86495	136.59366	008 ✓	2009107116	18:40	426	400	
02	09	58.89755	136.73677	009 ✓	2009107116	19:14	377	340	Blooming @ surf.?
03	10	58.89903	136.83978	010 ✓	2009107116	19:42	361	330	Moderate line angle
04	12	59.03276	137.01799	011 ✓	2009107116	20:26	288	260	Very turbid surf. water moderate line angle.
05	21	59.04858	137.05383	012 ✓	2009107116	21:08	195	180	Seawey GPS. Dead-reckoned location from chart.

* CTD → batteries failed. RG-occupy (Dump 0185)

COMMENT:

Oceanographic Survey Field Log
 Glacier Bay National Park and Preserve

CTD #: 01 Data Dump # 0185 Observer(s): Shannon, Eichenlaub

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
00	11	58.97220	136.91711	012 ✓	2009107116	23:41	338	300	Moderate line angle.
01	21	59.04779	137.05742	013 ✓	2009107117	00:20	195	180	
02	14	58.79087	136.10970	013 ✓	2009107117	16:29	81	70	lots of line angle (wind - drifted S.)
03	16	58.89568	136.09384	014 ✓	2009107117	16:56	313	290	" " ↑ " "
04	17	58.97512	136.13766	015 ✓	2009107117	17:28	212	190	
05	18	59.04966	136.18524	016 ✓	2009107117	17:56	214	190	
06	19	59.07160	136.33665	017 ✓	2009107117	18:25	225	200	
07	20	59.08601	136.37102	018 ✓	2009107117	18:44	179	160	Very turbid @ surf.

COMMENT:

Oceanographic Survey Field Log
 Glacier Bay National Park and Preserve

Vessel: Capelin Cruise: August 2009 Page 1/1
 CTD #: 01 Data Dump # 0186 Observer(s): Sherman, Tallman, Mercedes Johnson

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YYYY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
00	12	59.03223	-137.01599	019 ✓	2009108104	22:54	288	260	lots of line angle
01	07	58.81012	-136.47174	020 ✓	2009108105	04:20	435	400	lots of line angle (severe)
02	13	58.73245	-136.11374	021 ✓	2009108105	15:55	146	130	
03	16	58.89579	-136.09288	022 ✓	2009108105	16:30	313	290	
04	20	59.08603	-136.36917	023 ✓	2009108105	17:29	179	160	
05	04	58.64989	-136.11501	024 ✓	2009108105	20:01	288	260	Mod. line angle
06	01	58.41271	-135.99438	025 ✓	2009108105	21:05	62	50	Mod. line angle
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COMMENT:

Oceanographic Survey Field Log
 Glacier Bay National Park and Preserve

Vessel: Capekin Cruise: September 2009 Page 1

CTD #: 01 Data Dump # 0187 Observer(s): Sharman, Moynihan, Unertl

Cast #	Station	Latitude (°N)	Longitude (°W)	Waypoint	GMT Date (YY/MM/DD)	GMT Time (HH:MM)	Bottom Depth (m)	Target Depth (m)	Comments
00	12	59.03321	137.01161	026 ✓	2009109109	18:31	288	260	
01	07	58.81129	136.47315	027 ✓	2009109109	19:51	435	400	Moderate line angle.
02	13	58.73263	136.11218	028 ✓	2009109109	20:42	146	130	Question whether pump SW. was on
03		---	---		-- --	--:--			OFF-ON of data
04	13	58.73192	136.11003	029 ✓	2009109109	20:52	146	130	Re-CAST of STN. 13. Chuk (A3) ON-045 of 05-05
05	20	59.08638	136.37247	030 ✓	2009109109	23:04	179	160	sort Turbid!
06	16	58.89574	136.09319	031 ✓	2009109109	23:55	313	280	
07	04	58.64952	136.11530	032 ✓	2009109110	00:45	288	260	Moderate line angle.
08	01	58.41252	135.99597	033 ✓	2009109110	01:49	62	60	* Went to 60m!
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COMMENT:

Oceanographic Survey Field Log
Glacier Bay National Park and Preserve

Vessel: Arctø Cruise: October 2009 Page 1/1

CTD #: 01 Data Dump # 0188 Observer(s): Shannon, Braden

Cast #	Station #	Latitude (°N)	Longitude (°W)	Waypoint	Date GMT (YYYY/MM/DD)	Time GMT (HH:MM)	Fathometer Depth (m)	Target Depth (m)	Comments
00	01	58.40721 58.40721	-135.99477 -135.99477	✓ 034	2009101006	17:04	62	50	
01	04	58.65100	-136.11519	✓ 035	2009101006	18:04	288	260	
02	07	58.81108	-136.47435 -136.47435	✓ 036	2009101006	18:56	435	400	
03	13	58.73263	-136.11369	✓ 037	2009101006	19:50	146	130	
04	16	58.89620	-136.09329	✓ 038	2009101006	20:30	313	280	
05	20	59.08601	-136.37122	✓ 039	2009101006	21:34	179	160	Thin (≤1m) surf. turb. layer
06	12	59.03313	-137.01810	✓ 039	2009101007	20:12	288	260	Surf. turbidity
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NOTE: