OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: GARMIN NAD 83

Name: ERICA MADISON, ALEX ANDREWS JIM D

Logbook Page: 1

Cast Name: C 2 0 1 4 0 0 0
CTD id / Dump # / Cast #

Date: 2 0 0 5 0 1 3 1 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 2 : 4 8 AKST or AKDT

Lat: (decimal degrees) 5 8 . 3 2 6 7 0 (",",")

Lon: (decimal degrees) − 1 3 5 . 8 7 5 1 1 (",",")

Time GPS position: :

Depth: (m) 53

CTD dropped to (m): 50

Station# 0 0 0

WP# 0 0 1

Comments: CTD #1 IS NOT BACK FROM CALIBRATION, CTD # 2 WAS USED FOR THE ENTIRE TRIP.

Location: ICY STRAIGHT

Tide Low height: .79m Time since Low: −116m Tide High height: 3.58m Time since High: +242m

Sampling: (Oceanography) Sonic Bottom Dive Other : Tide Station: BARTLETT

Cast Name: C 2 0 1 4 0 0 1
CTD id / Dump # / Cast #

Date: 2 0 0 5 0 1 3 1 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 3 : 5 0 AKST or AKDT

Lat: (decimal degrees) 5 8 . 4 1 2 5 0 (",",")

Lon: (decimal degrees) − 1 3 5 . 9 9 5 1 4 (",",")

Time GPS position: :

Depth: (m) 62

CTD dropped to (m): 60

Station# 0 0 1

WP# 0 0 2

Comments:

Location: Mouth Glacier Bay

Tide Low height: .79m Time since Low: −178m Tide High height: 3.58m Time since High: +180

Sampling: (Oceanography) Sonic Bottom Dive Other : Tide Station: Bartlett

---

Cast Name: C 2 0 1 4 0 0 2
CTD id / Dump # / Cast #

Date: 2 0 0 5 0 1 3 1 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 1 4 : 2 9 AKST or AKDT

Lat: (decimal degrees) 5 8 . 4 9 0 3 0 (",",")

Lon: (decimal degrees) − 1 3 6 . 0 5 2 0 7 (",",")

Time GPS position: :

Depth: (m) 93

CTD dropped to (m): 90

Station# 0 0 2

WP# 0 0 3

Comments:

Location: SITAKADAN NARROWS

Tide Low height: .79m Time since Low: −217 Tide High height: 3.58m Time since High: +141

Sampling: (Oceanography) Sonic Bottom Dive Other : Tide Station: BARTLETT

GARMIN

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

Name: ENM AA JD

Logbook Page: 2

Cast Name: C 2 0 1 4 0 0 3 (CTD id / Dump # / Cast #)

Date: 2005 01 31 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 15:09 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.571667 (°,',"):

Lon: (decimal degrees) -136.06506 (°,',"):

Depth: (m) 112

CTD dropped to (m): 100

Station# 003

WP# C04

Comments:

Location: SE OF WILLOUGHBY ~~[illegible]~~ ISLANDS

Tide Low height: .82m Time since Low: -233

Tide High height: 4.0m Time since High: +114

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C 2 0 1 4 0 0 4 (CTD id / Dump # / Cast #)

Date: 2005 01 31 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 16:59 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.650887 (°,',"):

Lon: (decimal degrees) -136.11502 (°,',"):

Depth: (m) 288

CTD dropped to (m): 280

Station# 004

WP# 005

Comments:

Location: N OF DRAKE N OF MARBLE

Tide Low height: .82m Time since Low: -283

Tide High height: 4.0m Time since High: +64m

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C 2 0 1 4 0 0 5 (CTD id / Dump # / Cast #)

Date: 2005 01 31 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): ~~[illegible]~~ AKST or AKDT

Time GPS position: 16:58

Lat: (decimal degrees) 58.704279 (°,',"):

Lon: (decimal degrees) -136.23327 (°,',"):

Depth: (m) 366

CTD dropped to (m): 300

Station# 005

WP# 006

Comments:

Location: Between N DRAKE SW TUNNEL PT.

Tide Low height: .82m Time since Low: +542m

Tide High height: 4.0m Time since High: +5m

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: GARMIN NAD 83

Crew: ENM, AA, JD

Logbook Page: 3

Cast Name: C 2 0 1 4 0 0 6 (CTD id / Dump # / Cast #)

Date: 2005 01 31 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 18:00 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.65772 (",","):

Lon: (decimal degrees) -136.36540 (",","):

Depth: (m) 155

CTD dropped to (m): 140

Station# 022

WP# 007

Comments:

Location: ENTRANCE TO GIEKE

Tide Low height: .84m Time since Low: +57m

Tide High height: 4.0m Time since High: -318m

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C 2 0 1 4 0 0 7 (CTD id / Dump # / Cast #)

Date: 2005 01 31 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 18:44 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.62357 (",","):

Lon: (decimal degrees) -136.44788 (",","):

Depth: (m) 108

CTD dropped to (m): 90

Station# 023

WP# 008

Comments: WE DID NOT MAKE IT ALL THE WAY TO HEAD OF GIEKE DO TO ICE.

Location: HEAD OF GIEKE

Tide Low height: .84m Time since Low: +241

Tide High height: 4.0m Time since High: +101m

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) . (",","):

Lon: (decimal degrees) . (",","):

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

GARMIN

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

ne: ENM, AA, JP

Logbook Page: 4

Cast Name: C2014008 (CTD id / Dump # / Cast #)

Date: 20050201 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 09:18 AKST or AKDT

Lat: (decimal degrees) 58.75918 (",","):

Lon: (decimal degrees) -136.34174 (",","):

Time GPS position: :

Depth: (m) 288

CTD dropped to (m): 280

Station# 006

WP# 009

Comments:

Location: E. Hugh Miller

Tide Low height: .86m Time since Low: +173m

Tide High height: 4.82m Time since High: -227m

Sampling: (Oceanography) Sonic Bottom Dive Other :

Tide Station: Composite

Cast Name: C2014009 (CTD id / Dump # / Cast #)

Date: 20050201 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 10:14 AKST or AKDT

Lat: (decimal degrees) 58.81125 (",","):

Lon: (decimal degrees) -136.47319 (",","):

Time GPS position: :

Depth: (m) 435

CTD dropped to (m): 300

Station# 007

WP# 010

Comments: NO PAUSE FOR 1 MINUTE AT THE SURFACE.

Location: NOT BIG MOUSE W OF TIDAL INLET

Tide Low height: .86m Time since Low: +116

Tide High height: 4.82m Time since High: -203

Sampling: (Oceanography) Sonic Bottom Dive Other :

Tide Station: Composite

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Lat: (decimal degrees) . (",","):

Lon: (decimal degrees) . (",","):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

NAD83

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: PLGL

ELLEN McCLEAY, Alex Andrews, Jen Mondragon, Jim TAGGART, Jim Delaberven, ERICA Madison

Logbook Page: 5

Cast Name: C 2 0 1 4 1 0 0 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 2 0 2 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 4 : 1 1 AKST or AKDT

Lat: (decimal degrees) 5 8 . 7 3 2 2 7 (",","):

Lon: (decimal degrees) - 1 3 6 . 1 1 3 5 7 (",","):

Time GPS position: :

Depth: (m) 146

CTD dropped to (m): 140

Station# 0 1 3

WP# 0 0 1

Comments:

Location: SE OF TWIGIT PT NW OF STURGESS

Tide Low height: .85m Time since Low: -50

Tide High height: 3.49m Time since High: +312m

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: MUIR

Cast Name: C 2 0 1 4 1 0 1 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 2 0 2 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 4 : 5 2 AKST or AKDT

Lat: (decimal degrees) 5 8 . 7 9 1 5 1 (",","):

Lon: (decimal degrees) - 1 3 6 . 1 0 8 3 1 (",","):

Time GPS position: :

Depth: (m) 81

CTD dropped to (m): 80

Station# 0 1 4

WP# 0 0 2

Comments:

Location: MUIR SILL

Tide Low height: .85m Time since Low: -97

Tide High height: 3.49m Time since High: +271

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: MUIR

Cast Name: C 2 0 1 4 1 0 2 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 2 0 2 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 1 5 : 5 1 AKST or AKDT

Lat: (decimal degrees) 5 8 . 8 9 5 8 5 (",","): default lat

Lon: (decimal degrees) - 1 3 6 . 0 9 3 4 6 (",","): default lon

Time GPS position: :

Depth: (m) 313

CTD dropped to (m): 300

Station# 0 1 6

WP# 0 0 3

Comments:

Location: E of HUNTER COVE

Tide Low height: .85m Time since Low: -150

Tide High height: 3.49 Time since High: +212

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: MUIR

NAD 83

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: PLGR

Name: JT JM AA JJ EM ENM

Logbook Page: 6

Cast Name: C2D14103 (CTD id / Dump # / Cast #)

Date: 20050202 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 16:48 AKST or AKDT

Lat: (decimal degrees) 58.97500 (",","): default lat

Lon: (decimal degrees) -136.13679 (",","): default lon

Time GPS position: :

Depth: (m) 212

CTD dropped to (m): 200

Station# 017

WP# 004

Comments:

Location: E of Westward Pt ~~E of Hunter Cove~~

Tide Low height: .85m Time since Low: -207

Tide High height: 3.49m Time since High: +155

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: MUIR

Cast Name: C2D14104 (CTD id / Dump # / Cast #)

Date: 20050202 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): ~17:40 AKST or AKDT

Lat: (decimal degrees) 59.05000 (",","): default lat.

Lon: (decimal degrees) -136.18513 (",","): default long

Time GPS position: :

Depth: (m) 214

CTD dropped to (m): 180

Station# 018

WP# 005

Comments:

Location: S of Riggs, NW of McBride

Tide Low height: .85m Time since Low: -249

Tide High height: 3.49m Time since High: +103

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: MUIR

Cast Name: C2D14105 (CTD id / Dump # / Cast #)

Date: 20050202 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 18:36 AKST or AKDT

Lat: (decimal degrees) 59.07168 (",","): default lat

Lon: (decimal degrees) -136.33679 (",","): default long

Time GPS position: :

Depth: (m) 225

CTD dropped to (m): 210

Station# 019

WP# 006

Comments: DID NOT GO FURTHER DUE TO LOW VIS

Location: MUIR INLET

Tide Low height: .85m Time since Low: -315

Tide High height: 3.49 Time since High: +47

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: MUIR

** changed dump numbers to 143 and 144. These are correct dump #s so there will be no confusion on which CTD was used and for which month.

NAD 83

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum:

e: ERICA MADISON, ALEX ANDREWS

Logbook Page: 1

Cast Name: C 1 0 1 4 3 0 0 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 3 2 8 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 14:59 AKST or AKDT

Lat: (decimal degrees) 58.32674 (°,',"): default

Lon: (decimal degrees) -135.87511 (°,',"): default

Time GPS position: :

Depth: (m) 53

CTD dropped to (m): 60

Station# 0 0

WP# —

Comments: BAD WATER, HIGH CURRENT, NO WAYPOINT

Location: ICY STRAITS

Tide Low height: .36m Time since Low: -348

Tide High height: 4.29m Time since High: +4

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: BARTLETT

Cast Name: C 1 0 1 4 3 0 1 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 3 2 8 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 15:33 AKST or AKDT

Lat: (decimal degrees) 58.41401 (°,',"):

Lon: (decimal degrees) -135.99559 (°,',"):

Time GPS position: :

Depth: (m) 62

CTD dropped to (m): 70

Station# 0 1

WP# 0 2 4

Comments:

Location: MOUTH OF GLACIER BAY

Tide Low height: .36m Time since Low: -314

Tide High height: 4.29m Time since High: +38

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

BAD CAST

Cast Name: C 1 0 1 4 3 0 2 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 3 2 8 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m) 93

CTD dropped to (m): 80

Station# 0 2

WP# 0 2 5

Comments: BAD CAST

Location: SITAKADAY NARROWS

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

me: ENM, AA

Logbook Page: 2

Cast Name: C 1 0 1 4 3 0 3 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 12:59 AKST or AKDT

Lat: (decimal degrees) 58.49017 (°,',"):

Lon: (decimal degrees) -136.05269 (°,',"):

Time GPS position: :

Depth: (m) 93

CTD dropped to (m): 80

Station# 02

WP# 026

Comments:

Location: SITAKADAY NARROWS

Tide Low height: .34m Time since Low: +53

Tide High height: 3.0m Time since High: -349

Sampling: (Oceanography) Sonic Bottom Dive Other :

Tide Station: BARTLETT

Cast Name: C 1 0 1 4 3 0 4 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:26 AKST or AKDT

Lat: (decimal degrees) 58.57167 (°,',"):

Lon: (decimal degrees) -136.06508 (°,',"):

Time GPS position: :

Depth: (m) 112

CTD dropped to (m): 100

Station# 03

WP# 027

Comments:

Location: SE OF WILLOUGHBY

Tide Low height: .37m Time since Low: +56

Tide High height: 3.42m Time since High: -335

Sampling: (Oceanography) Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C 1 0 1 4 3 0 5 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 13:47 AKST or AKDT

Lat: (decimal degrees) 58.65105 (°,',"):

Lon: (decimal degrees) -136.11508 (°,',"):

Time GPS position: :

Depth: (m) 288

CTD dropped to (m): 280

Station# 04

WP# 028

Comments: STOPPED IN MIDDLE TO UNTIE A KNOT

Location: N. OF DRAKE N. OF MARBLE

Tide Low height: .37m Time since Low: +77

Tide High height: 3.42m Time since High: -314

Sampling: (Oceanography) Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

e: ENM, AA

Logbook Page: 3

Cast Name: C 1 0 1 4 3 0 6 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 15:49 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 59.03315 (°,',"):

Lon: (decimal degrees) -137.01831 (°,',"):

Depth: (m) 288

CTD dropped to (m): 280

Station# 12

WP# 029

Comments:

Location: HEAD OF TARR INLET

Tide Low height: .37m Time since Low: +190 | Tide High height: 3.58m Time since High: -196

Sampling: [Oceanography] Sonic Bottom Dive Other :

Tide Station: COMPOSITE

Cast Name: C 1 0 1 4 3 0 7 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 16:16 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.97162 (°,',"):

Lon: (decimal degrees) -136.91664 (°,',"):

Depth: (m) 338

CTD dropped to (m): 300

Station# 11

WP# 030

Comments:

Location: TARR INLET

Tide Low height: .37m Time since Low: +224 | Tide High height: 3.58m Time since High: -169

Sampling: [Oceanography] Sonic Bottom Dive Other :

Tide Station: COMPOSITE

Cast Name: C 1 0 1 4 3 0 8 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 16:50 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.89901 (°,',"):

Lon: (decimal degrees) -136.83975 (°,',"):

Depth: (m) 361

CTD dropped to (m): 300

Station# 10

WP# 031

Comments:

Location: N. OF REID INLET

Tide Low height: .37m Time since Low: +259 | Tide High height: 3.58m Time since High: -135

Sampling: [Oceanography] Sonic Bottom Dive Other :

Tide Station: COMPOSITE

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

ne: ENM, AA

Logbook Page: 4

Cast Name: C1 014 3 09 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 17:15 AKST or AKDT

Lat: (decimal degrees) 58.89748 (°,',"):

Lon: (decimal degrees) -136.73686 (°,',"):

Time GPS position: :

Depth: (m) 377

CTD dropped to (m): 300

Station# 09

WP# 032

Comments:

Location: SE OF RUSELL ISLAND

Tide Low height: .37m Time since Low: +274

Tide High height: 3.58m Time since High: -110

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: COMPOSITE

Cast Name: C1 014 3 10 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 17:39 AKST or AKDT

Lat: (decimal degrees) 58.86498 (°,',"):

Lon: (decimal degrees) -136.59335 (°,',"):

Time GPS position: :

Depth: (m) 426

CTD dropped to (m): 300

Station# 08

WP# 033

Comments:

Location: S OF RENDU

Tide Low height: .37m Time since Low: +308

Tide High height: 3.58m Time since High: -86

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: COMPOSITE

Cast Name: C1 014 3 11 (CTD id / Dump # / Cast #)

Date: 2005 04 01 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 18:04 AKST or AKDT

Lat: (decimal degrees) 58.81136 (°,',"):

Lon: (decimal degrees) -136.47302 (°,',"):

Time GPS position: :

Depth: (m) 435

CTD dropped to (m): 300

Station# 07

WP# 34

Comments:

Location: N OF BLUE MOUSE W. OF TIDAL

Tide Low height: .37m Time since Low: +333

Tide High height: 3.58m Time since High: -61

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: COMPOSITE

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

e: ENM, AA, JM, Jde

Logbook Page: 5

Cast Name: C1014312 (CTD id / Dump # / Cast #)

Date: 20050401 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 18:30 AKST or AKDT

Lat: (decimal degrees) 58.75192 (°,',"):

Lon: (decimal degrees) -136.35153 (°,',"):

Time GPS position: :

Depth: (m) 200

CTD dropped to (m): 200

Station# 06

WP# 35

Comments:

Location: E of Hugh Miller

Tide Low height: .37m Time since Low: +359

Tide High height: 3.58m Time since High: -35

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: COMPOSITE

Jen & Jim de Start here — NOTE!! — ! TIME CHANGED TODAY, NEW TIME

Cast Name: C1014400 (CTD id / Dump # / Cast #)

Date: 20050403 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 17:33 AKST or AKDT

Lat: (decimal degrees) 59.08606 (°,',"): 59 05 09.75

Lon: (decimal degrees) -136.37070 (°,',"): -136 22 16.00

Time GPS position: :

Depth: (m) 173

CTD dropped to (m): 150

Station# 20

WP# 12

Comments:

Location: Head of Muir

Tide Low height: .36m Time since Low: +65

Tide High height: 4.04m Time since High: -332

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: MUIR

Cast Name: C1014401 (CTD id / Dump # / Cast #)

Date: 20050403 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 17:54 AKST or AKDT

Lat: (decimal degrees) 59.07166 (°,',"):

Lon: (decimal degrees) -136.33664 (°,',"):

Time GPS position: :

Depth: (m) 224

CTD dropped to (m): 200

Station# 19

WP# 13

Comments:

Location: Muir Inlet

Tide Low height: .36m Time since Low: +85

Tide High height: 4.04m Time since High: -311

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

Name: JENNIFER MONDRAGON, JIM de Logbook Page: 6

Cast Name: C1 0 1 4 4 0 2 (CTD id / Dump # / Cast #)

Date: 2005 04 03 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 18:45 AKST or AKDT

Lat: (decimal degrees) 59.05017 (°,',"):

Lon: (decimal degrees) -136.18512 (°,',"):

Time GPS position: :

Depth: (m) 213

CTD dropped to (m): 200

Station# 18

WP# 14

Comments:

Location: S. of Riggs NW McBride

Tide Low height: .36m **Time since Low:** +137 **Tide High height:** 4.04m **Time since High:** -260

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** MUIR

Cast Name: C1 0 1 4 4 0 3 (CTD id / Dump # / Cast #)

Date: 2005 04 03 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 19:47 AKST or AKDT

Lat: (decimal degrees) 58.97498 (°,',"):

Lon: (decimal degrees) -136.13661 (°,',"):

Time GPS position: :

Depth: (m) 212

CTD dropped to (m): 200

Station# 17

WP# 15

Comments:

Location: E. of Westdahl

Tide Low height: .36m **Time since Low:** +199 **Tide High height:** 4.04m **Time since High:** -198

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** MUIR

Cast Name: C1 0 1 4 4 0 4 (CTD id / Dump # / Cast #)

Date: 2005 04 03 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 20:40 AKST or AKDT

Lat: (decimal degrees) 58.89551 (°,',"):

Lon: (decimal degrees) -136.09418 (°,',"):

Time GPS position: :

Depth: (m) 313

CTD dropped to (m): 300

Station# 16

WP# 16

Comments:

Location: E. of Hunter

Tide Low height: .36m **Time since Low:** +252 **Tide High height:** 4.04m **Time since High:** -145

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** MUIR

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

JM, Jim de

Logbook Page: 7

Cast Name: C1014405 (CTD id / Dump # / Cast #)

Date: 20050403 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 21:39 AKST or AKDT

Lat: (decimal degrees) 58.79151 (°,',"):

Lon: (decimal degrees) -136.10832 (°,',"):

Time GPS position: :

Depth: (m) 82

CTD dropped to (m): 70

Station# 14

WP# 17

Comments:

Location: Muir Sill

Tide Low height: .36m Time since Low: +311

Tide High height: 4.04m Time since High: -86

Sampling: (Oceanography) Sonic Bottom Dive Other :

Tide Station: MUIR

Cast Name: C1014H06 (CTD id / Dump # / Cast #)

Date: 20050403 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 22:10 AKST or AKDT

Lat: (decimal degrees) 58.73244 (°,',"):

Lon: (decimal degrees) -136.11349 (°,',"):

Time GPS position: :

Depth: (m) 145

CTD dropped to (m): 130

Station# 13

WP# 18

Comments:

Location: SE Tlingit Pnt

Tide Low height: .36m Time since Low: +342

Tide High height: 4.04m Time since High: -55

Sampling: (Oceanography) Sonic Bottom Dive Other :

Tide Station: MUIR

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum:

ne: _____ Logbook Page: _____

Cast Name: C | CTD id | Dump # | Cast #

Date: Y Y Y Y M M D D

Time CTD on (24-hr clock): : AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

Cast Name: C | CTD id | Dump # | Cast #

Date: Y Y Y Y M M D D

Time CTD on (24-hr clock): : AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

Cast Name: C | CTD id | Dump # | Cast #

Date: Y Y Y Y M M D D

Time CTD on (24 hr clock): : AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

June 2005 Oceanography

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

LISA ETHERINGTON, ERICA MADISON, WHITNEY RAPP Logbook Page: 1

Cast Name: C1 0 1 4 5 0 0 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 2 8 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 11:06 AKST or AKDT

Lat: (decimal degrees) 58.81162 (°,',"):

Lon: (decimal degrees) -136.47351 (°,',"):

Time GPS position: :

Depth: (m) 435

CTD dropped to (m): 300

Station# 07

WP# 39

Comments:

Location: N OF BLUE MOUSE W OF TIDAL INLET

Tide Low height: .30m Time since Low: -148 Tide High height: 4.4m Time since High: +234

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: COMPOSITE

Cast Name: C1 0 1 4 5 0 1 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 2 8 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 11:52 AKST or AKDT

Lat: (decimal degrees) 58.86488 (°,',"):

Lon: (decimal degrees) -136.59340 (°,',"):

Time GPS position: :

Depth: (m) 426

CTD dropped to (m): 300

Station# 08

WP# 40

Comments:

Location: S OF RENDO INLET

Tide Low height: .30m Time since Low: -102 Tide High height: 4.4m Time since High: +280

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: COMPOSITE

Cast Name: C1 0 1 4 5 0 2 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 2 8 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 12:27 AKST or AKDT

Lat: (decimal degrees) 58.89744 (°,',"):

Lon: (decimal degrees) -136.73682 (°,',"):

Time GPS position: :

Depth: (m) 377

CTD dropped to (m): 300

Station# 09

WP# 41

Comments:

Location: SE Russell

Tide Low height: .30m Time since Low: -67 Tide High height: 4.4m Time since High: +315

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station:

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

ne: LLE, ENM, WSR

Logbook Page: 2

Cast Name: C1 0 1 4 5 0 3 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 2 8 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:04 AKST or AKDT

Lat: (decimal degrees) 58.89911 (°,',"):

Lon: (decimal degrees) -136.84003 (°,',"):

Time GPS position: :

Depth: (m) 361

CTD dropped to (m): 300

Station# 10

WP# 42

Comments:

Location: N of Reid Inlet

Tide Low height: .30 m Time since Low: -30

Tide High height: 4.4 m Time since High: +382

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: COMPOSITE

Cast Name: C1 0 1 4 5 0 4 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 2 8 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:41 AKST or AKDT

Lat: (decimal degrees) 58.97156 (°,',"):

Lon: (decimal degrees) -136.91640 (°,',"):

Time GPS position: :

Depth: (m) 338

CTD dropped to (m): 300

Station# 11

WP# 45

Comments:

Location: TARR INLET

Tide Low height: .30 m Time since Low: +7

Tide High height: 4.9 m Time since High: -382

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: COMPOSITE

Cast Name: C1 0 1 4 5 0 5 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 2 8 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 15:23 AKST or AKDT

Lat: (decimal degrees) 58.75182 (°,',"):

Lon: (decimal degrees) -136.35179 (°,',"):

Time GPS position: :

Depth: (m) 288

CTD dropped to (m): 280

Station# 06

WP# 44

Comments:

Location: E of Hugh Miller Inlet

Tide Low height: .30 m Time since Low: +109

Tide High height: 4.9 m Time since High: -280

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

: LLE, ENM

Logbook Page: 3

Cast Name: C1014600 (CTD id / Dump # / Cast #)

Date: 20050629 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:04 AKST or AKDT

Lat: (decimal degrees) 58.79099 (°,',"):

Lon: (decimal degrees) -136.10864 (°,',"):

Time GPS position: :

Depth: (m) 88

CTD dropped to (m): 70

Station# 14

WP# 45

Comments:

Location: MUIR SILL

Tide Low height: 0.76m Time since Low: -90

Tide High height: 4.02m Time since High: +279

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: MUIR

Cast Name: C1014601 (CTD id / Dump # / Cast #)

Date: 20050629 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:35 AKST or AKDT

Lat: (decimal degrees) 58.89578 (°,',"):

Lon: (decimal degrees) -136.09357 (°,',"):

Time GPS position: :

Depth: (m) 313

CTD dropped to (m): 300

Station# 16

WP# 46

Comments:

Location: E OF HUNTER COVE

Tide Low height: 0.76m Time since Low: -60

Tide High height: 4.02 Time since High: +310

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: MUIR

Cast Name: C1014602 (CTD id / Dump # / Cast #)

Date: 20050629 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 14:08 AKST or AKDT

Lat: (decimal degrees) 58.97498 (°,',"):

Lon: (decimal degrees) -136.13669 (°,',"):

Time GPS position: :

Depth: (m) 212

CTD dropped to (m): 200

Station# 17

WP# 47

Comments: HAD A SHORT STOP AT 40m

Location: E OF WESTDAHL POINT

Tide Low height: 0.76m Time since Low: -27

Tide High height: 4.02 Time since High: +343

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: MUIR

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

Logbook Page: 4

Cast Name: C1014603 (CTD id / Dump # / Cast #)

Date: 20050629 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 14:38 AKST or AKDT

Lat: (decimal degrees) 59.04991 (°,',"):

Lon: (decimal degrees) -136.18509 (°,',"):

Time GPS position: :

Depth: (m) 24

CTD dropped to (m): 200

Station# 18

WP# 48

Comments:

Location: 3 OF RIGHTS NW OF McBRIDE

Tide Low height: 0.76m Time since Low: +3 | Tide High height: 4.02 Time since High: +373

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: MUIR

Cast Name: C1014604 (CTD id / Dump # / Cast #)

Date: 20050629 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 15:08 AKST or AKDT

Lat: (decimal decimal degrees) 59.07170 (°,',"):

Lon: (decimal degrees) -136.33701 (°,',"):

Time GPS position: :

Depth: (m) 225

CTD dropped to (m): 210

Station# 19

WP# 49

Comments:

Location: MUIR INLET

Tide Low height: 0.76 Time since Low: +33 | Tide High height: 4.89m Time since High: -353

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station:

Cast Name: C1014605 (CTD id / Dump # / Cast #)

Date: 20050629 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 15:27 AKST or AKDT

Lat: (decimal degrees) 59.08593 (°,',"):

Lon: (decimal degrees) -136.37088 (°,',"):

Time GPS position: :

Depth: (m) 179

CTD dropped to (m): 170

Station# 20

WP# 51

Comments:

Location: Head muir

Tide Low height: 0.76m Time since Low: +52 | Tide High height: 4.89m Time since High: -334

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station:

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

: LE, ENM

Logbook Page: 5

Cast Name: C 1 0 1 9 6 0 6
CTD id / Dump # / Cast #

Date: 2 0 0 5 0 6 2 9
Y Y Y Y M M D D

Time CTD on (24-hr clock): 1 7 : 0 3
AKST or AKDT

Lat: (decimal degrees) 5 8 . 7 3 2 6 0
(°,',"):

Lon: (decimal degrees) -1 3 6 . 1 1 3 3 7
(°,',"):

Time GPS position: :

Depth: (m) 146

CTD dropped to (m): 130

Station# 1 3

WP# 5 3

Comments:

Location: SE OF TEN MILE PT NW OF STURGESS

Tide Low height: 0.76 **Time since Low:** +148 **Tide High height:** 4.89 **Time since High:** -238

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** MUIR

Cast Name: C
CTD id / Dump # / Cast #

Date:
Y Y Y Y M M D D

Time CTD on (24-hr clock): :
AKST or AKDT

Lat: (decimal degrees) .
(°,',"):

Lon: (decimal degrees) .
(°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: **Time since Low:** **Tide High height:** **Time since High:**

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:**

Cast Name: C
CTD id / Dump # / Cast #

Date:
Y Y Y Y M M D D

Time CTD on (24 hr clock): :
AKST or AKDT

Lat: (decimal degrees) .
(°,',"):

Lon: (decimal degrees) .
(°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: **Time since Low:** **Tide High height:** **Time since High:**

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:**

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

: LLE, ENM

Logbook Page: 6

Cast Name: C1014700 (CTD id / Dump # / Cast #)

Date: 20050630 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 6:48 AKST or AKDT

Lat: (decimal degrees) 58.32673 (°,',"):

Lon: (decimal degrees) -135.87488 (°,',"):

Time GPS position: :

Depth: (m) 53

CTD dropped to (m): 40

Station# 00

WP# 54

Comments:

Location: ICY STRAIT

Tide Low height: .57 Time since Low: +210

Tide High height: 3.23 Time since High: -187

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: BARTLETT

Cast Name: C1014701 (CTD id / Dump # / Cast #)

Date: 20050630 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 7:20 AKST or AKDT

Lat: (decimal degrees) 58.41251 (°,',"):

Lon: (decimal degrees) -135.99516 (°,',"):

Time GPS position: :

Depth: (m) 62

CTD dropped to (m): 50

Station# 01

WP# 55

Comments:

Location: Mouth of Glacier Bay

Tide Low height: .57 Time since Low: +240

Tide High height: 3.23 Time since High: -125

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Bartlett

Cast Name: C1014702 (CTD id / Dump # / Cast #)

Date: 20050630 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 7:51 AKST or AKDT

Lat: (decimal degrees) 58.48898 (°,',"):

Lon: (decimal degrees) -136.05177 (°,',"):

Time GPS position: :

Depth: (m) 93

CTD dropped to (m): 80

Station# 02

WP# 56

Comments:

Location: SITAKADAY NARROWS

Tide Low height: .57 Time since Low: +273

Tide High height: 3.23 Time since High: -94

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: BARTLETT

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

Logbook Page: 7

: LLE, ENM

Cast Name: C1014703 (CTD id / Dump # / Cast #)	Date: 20050630 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 8:22 AKST or AKDT
Lat: (decimal degrees) 58.57164 (°,',"):	Lon: (decimal degrees) -136.06525 (°,',"):	Time GPS position: :
Depth: (m) 112	CTD dropped to (m): 100	Station# 03 / WP# 57
Comments:		Location: SE of Willoughby IS

Tide Low height: .61m Time since Low: +280 Tide High height: 3.65m Time since High: -76

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: WILLOUGHBY

Cast Name: C1014704 (CTD id / Dump # / Cast #)	Date: 20050630 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 08:47 AKST or AKDT
Lat: (decimal degrees) 58.65075 (°,',"): 65075	Lon: (decimal degrees) -136.11496 (°,',"):	Time GPS position: :
Depth: (m) 288	CTD dropped to (m): 280	Station# 04 / WP# 58
Comments:		Location: N of Drake N of Marble

Tide Low height: .61m Time since Low: +303 Tide High height: 3.65m Time since High: -51

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: WILLOUGHBY

Cast Name: C1014705 (CTD id / Dump # / Cast #)	Date: 20050630 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 9:32 AKST or AKDT
Lat: (decimal degrees) 58.70410 (°,',"):	Lon: (decimal degrees) -136.23346 (°,',"):	Time GPS position: :
Depth: (m) 366	CTD dropped to (m): 300	Station# 05 / WP# 59
Comments:		Location: Between N. Drake & SW Tlingit

Tide Low height: .61m Time since Low: +350 Tide High height: 3.65m Time since High: -6

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: Willoughby

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

Logbook Page: 8

LLE, ENM

Cast Name: C 1 0 1 4 7 0 6 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 3 0 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 10 : 02 AKST or AKDT

Lat: (decimal degrees) 58.65776 (°,',"):

Lon: (decimal degrees) -136.36531 (°,',"):

Time GPS position: :

Depth: (m) 155

CTD dropped to (m): 140

Station# 22

WP# 60

Comments:

Location: Geikie ENTRANCE TO GEIKI

Tide Low height: 1.12 Time since Low: -334

Tide High height: 3.64 Time since High: +24

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C 1 0 1 4 7 0 7 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 6 3 0 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 16 : 33 AKST or AKDT

Lat: (decimal degrees) 58.59813 (°,',"):

Lon: (decimal degrees) -136.50630 (°,',"): 5

Time GPS position: :

Depth: (m) 66

CTD dropped to (m): 50

Station# 23

WP# 61

Comments:

Location: Geikie HEAD OF GEIKI

Tide Low height: 1.12m Time since Low: -303

Tide High height: 3.65m Time since High: +55

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

June 2005 oceanographic monitoring

20050628:

Lisa Etherington, Whitney Rapp
Erica Madison

- WE WENT TO DO THE WEST ARM ON 20050628. WE SAMPLED STATIONS 6, 7, 8, 9, 10, & 11. WE WERE NOT ABLE TO SAMPLE 12 OR 21 DUE TO STEERING ISSUES WITH SIGMA T. THE BOAT WAS NOT STEERING OR MANUVERING WELL. WE COULD NOT BE IN TIGHT AREAS WITH ICEBERGS AND HAVE THE ABILITY TO MANUVER AROUND THEM, SO WE OPTED TO NOT GO FURTHER UP BAY.

- WE REFUELED SIGMA T AT THE FUEL BARGE IN BLUE MOUSE COVE. WE FILLED IT WITH 56 GALLONS ON THE WAY UP TO OUR STATIONS. WE DID NOT FILL UP ON THE WAY DOWN BAY.

20050629 Lisa Etherington & Erica Madison

- Bruce worked on steering issues in am. In future we can fill the steering column w/ ATF. The fluid is draining out somewhere & then air is getting into the line.

- Fueled up at Bartlett Cove & then

headed out ~ 11:00 am. Steering is working great!

motored to East Arm - pretty choppy in central Bay - flattened out in East Arm, nice on way back
sampled stations 14, 16, 17, 18, 19, 20
& then 13 on way back

20050630 LISA ETHERINGTON, ERICA MADSON
0600
LEFT DOCK MOTORED UP TO DO LOWER BAY OCEANOGRAPHIC POINTS..
ADDED JUST UNDER A LITER OF OIL TO BOAT ENGINE.

Very foggy in Icy Strait & throughout lower Bay

sampled stations 0, 1, 2, 3, 4, 5, 22, 23

J. L. DARLING CORP. TACOMA, WA 98421
(206) 383-1714 · FAX (206) 383-1722

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

: Erica Madison, Lisa Etherington Logbook Page: 1

Cast Name: C1014800 (CTD id / Dump # / Cast #)

Date: 20050725 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:33 AKST or AKDT

Lat: (decimal degrees) 58.32662 (°,',"):

Lon: (decimal degrees) -135.87479 (°,',"):

Time GPS position: :

Depth: (m) 55

CTD dropped to (m): 40

Station# 00

WP# 62

Comments: ~~BRIEF STOP (ROPE OFF)~~

Location: Icy Strait

Tide Low height: -.64 **Time since Low:** +156 **Tide High height:** 4.81 **Time since High:** -233

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Bartlett Cove

---

Cast Name: C1014801 (CTD id / Dump # / Cast #)

Date: 20050725 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 14:16 AKST or AKDT

Lat: (decimal degrees) 58.41273 (°,',"):

Lon: (decimal degrees) -135.99539 (°,',"):

Time GPS position: :

Depth: (m) 61

CTD dropped to (m): 50

Station# 01

WP# 63

Comments: BRIEF STOP (ROPE ~~OFF BLOCK~~) Need to add

Location: Mouth Glacier Bay

Tide Low height: -.64 **Time since Low:** +199 **Tide High height:** 4.81 **Time since High:** -190

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Bartlett Cove

---

Cast Name: C1014802 (CTD id / Dump # / Cast #)

Date: 20050725 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 14:43 AKST or AKDT

Lat: (decimal degrees) 58.49030 (°,',"):

Lon: (decimal degrees) -136.05180 (°,',"):

Time GPS position: :

Depth: (m) 91

CTD dropped to (m): 80

Station# 02

WP# 64

Comments:

Location: Sitakaday Narrows

Tide Low height: -.64 **Time since Low:** +226 **Tide High height:** 4.81 **Time since High:** -163

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** Bartlett Cove

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

: Erica Madison, Lisa Etherington Logbook Page: 2

Cast Name: C 1 0 1 4 8 0 3 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 5 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 5 : 1 1 AKST or AKDT

Lat: (decimal degrees) 5 8 . 5 7 1 8 4 (°,',"):

Lon: (decimal degrees) 1 3 6 . 0 6 5 3 7 (°,',"):

Time GPS position: :

Depth: (m) 112

CTD dropped to (m): 100

Station# 0 3

WP# 6 5

Comments:

Location: SE Willoughby

Tide Low height: -.61 **Time since Low:** +230 **Tide High height:** 5.24 **Time since High:** -148

Sampling: (Oceanography) Sonic Bottom Dive Other: **Tide Station:** Willoughby

---

Cast Name: C 1 0 1 4 8 0 4 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 5 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 5 : 3 5 AKST or AKDT

Lat: (decimal degrees) 5 8 . 6 5 0 7 2 (°,',"):

Lon: (decimal degrees) 1 3 6 . 1 1 5 0 7 (°,',"):

Time GPS position: :

Depth: (m) 288

CTD dropped to (m): 280

Station# 0 4

WP# 6 6

Comments:

Location: N OF DRAKE N OF MARBLE

Tide Low height: -.61 **Time since Low:** +254 **Tide High height:** 5.24 **Time since High:** -124

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:** WILLOUGHBY

Cast Name: C (CTD id / Dump # / Cast #)

Date: Y Y Y Y M M D D

Time CTD on (24 hr clock): : AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: **Time since Low:** **Tide High height:** **Time since High:**

Sampling: Oceanography Sonic Bottom Dive Other: **Tide Station:**

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

: LISA, ETHERINGTON, SUSAN BOUDRAGE, ERIKA MADISON Logbook Page: 3

Cast Name: C1014900 (CTD id / Dump # / Cast #)

Date: 20050728 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 09:45 AKST or AKDT

Lat: (decimal degrees) 58.73248 (°,',"):

Lon: (decimal degrees) -136.11354 (°,',"):

Time GPS position: :

Depth: (m) 146

CTD dropped to (m): 130

Station# 013

WP# 069

Comments:

Location: SE OF TLINGIT PT NW OF STURGESS

Tide Low height: 1.10 Time since Low: -245 Tide High height: 3.88 Time since High: +111

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: MUIR

Cast Name: C1014901 (CTD id / Dump # / Cast #)

Date: 20050728 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 10:08 AKST or AKDT

Lat: (decimal degrees) 58.79165 (°,',"):

Lon: (decimal degrees) -136.10825 (°,',"):

Time GPS position: :

Depth: (m) 81

CTD dropped to (m): 70

Station# 014

WP# 070

Comments:

Location: MUIR SILL

Tide Low height: 1.10 Time since Low: -222 Tide High height: 3.88 Time since High: +134

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: MUIR

Cast Name: C1014902 (CTD id / Dump # / Cast #)

Date: 20050728 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 10:39 AKST or AKDT

Lat: (decimal degrees) 58.89569 (°,',"):

Lon: (decimal degrees) -136.09325 (°,',"):

Time GPS position: :

Depth: (m) 313

CTD dropped to (m): 300

Station# 016

WP# 071

Comments: ~80m & ~230 - had pauses on way down - line slipped off block

Location: E of Hunter Cove

Tide Low height: 1.10 Time since Low: -192 Tide High height: 3.88 Time since High: +164

Sampling: Oceanography Sonic Bottom Dive Other: Tide Station: MUIR

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

Waypoint Datum: NAD83

: ENM, LLE, SLB

Logbook Page: 4

Cast Name: C1 014903 (CTD id / Dump # / Cast #)

Date: 20050728 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 11:17 AKST or AKDT

Lat: (decimal degrees) 58.97492 (°,',"):

Lon: (decimal degrees) -136.13687 (°,',"):

Time GPS position: :

Depth: (m) 212

CTD dropped to (m): 200

Station# 01 T

WP# 72

Comments:

Location: E. Westdahl Pt.

Tide Low height: 1.10 Time since Low: -153

Tide High height: 3.88 Time since High: +203

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: MUIR

Cast Name: C1 014904 (CTD id / Dump # / Cast #)

Date: 20050728 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 11:47 AKST or AKDT

Lat: (decimal degrees) 59.04990 (°,',"):

Lon: (decimal degrees) -136.18517 (°,',"):

Time GPS position: :

FIX THIS

Depth: (m) 214

CTD dropped to (m): 200

Station# 18

WP# 073

Comments:

Location: S. Riggs NW McBride

Tide Low height: 1.10 Time since Low: -123

Tide High height: 3.88 Time since High: +233

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: MUIR

Cast Name: C1 014905 (CTD id / Dump # / Cast #)

Date: 20050728 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 12:20 AKST or AKDT

Lat: (decimal degrees) 59.07162 (°,',"):

Lon: (decimal degrees) -136.33676 (°,',"):

Time GPS position: :

Depth: (m) 225

CTD dropped to (m): 210

Station# 19

WP# 74

Comments:

Location: Muir Inlet

Tide Low height: 1.10 Time since Low: -90

Tide High height: 3.88 Time since High: +266

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: MUIR

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 83

: LLE ENM SCB

Logbook Page: 5

Cast Name: C1014906 (CTD id / Dump # / Cast #)	Date: 20050728 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 12:40 AKST or AKDT
Lat: (decimal degrees) 59.08608 (",","):	Lon: (decimal degrees) -136.37106 (",","):	Time GPS position: :
Depth: (m) 179	CTD dropped to (m): 170	Station# 20 / WP# 75
Comments:		Location: Head of Muir
Tide Low height: 1.10	Time since Low: -70	Tide High height: 3.08 Time since High: +206
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station:

Cast Name: C1014907 (CTD id / Dump # / Cast #)	Date: 20050728 (Y Y Y Y M M D D)	Time CTD on (24-hr clock): 16:39 AKST or AKDT
Lat: (decimal degrees) 58.68756 (",","):	Lon: (decimal degrees) -136.86533 (",","):	Time GPS position: :
Depth: (m) 155	CTD dropped to (m): 140	Station# 022 / WP# 076
Comments:		Location: ENTRANCE ~~HEAD OF~~ GEIKIE
Tide Low height: 1.10	Time since Low: +171	Tide High height: 4.63 Time since High: -208
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station: WILLOUGHBY

Cast Name: C1014908 (CTD id / Dump # / Cast #)	Date: 20050728 (Y Y Y Y M M D D)	Time CTD on (24 hr clock): 17:08 AKST or AKDT
Lat: (decimal degrees) 58.59811 (",","):	Lon: (decimal degrees) -136.50612 (",","):	Time GPS position: :
Depth: (m) 66	CTD dropped to (m): 50	Station# 23 / WP# 77
Comments:		Location: HEAD OF GEIKIE
Tide Low height: 1.10	Time since Low: +201	Tide High height: 4.63 Time since High: -179
Sampling: Oceanography Sonic Bottom Dive Other :		Tide Station: WILLOUGHBY

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD 85

: LLE, ENM

Logbook Page: 6

Cast Name: C 1 0 1 5 0 0 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 9 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Lat: (decimal degrees) (",","):

Lon: (decimal degrees) (",","):

Time GPS position: :

Depth: (m) 366

CTD dropped to (m): 300

Station# ~~0 5~~

WP# ~~7 8~~

Comments: BAD CAST

Location: Between N Drake SW TLINGIT POINT

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WILLOUGHBY

Cast Name: C 1 0 1 5 0 0 1 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 9 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 0 : 1 4 AKST or AKDT

Lat: (decimal degrees) 5 8 . 7 0 3 9 1 (",",")

Lon: (decimal degrees) -1 3 6 . 2 3 4 0 2 (",",")

Time GPS position: :

Depth: (m) 366

CTD dropped to (m): 300

Station# 0 5

WP# 7 9

Comments:

Location: Between N Drake SW TLINGIT POINT

Tide Low height: 1.56m

Time since Low: -279

Tide High height: 3.41m

Time since High: +65

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: WINDSOR

Cast Name: C 1 0 1 5 0 0 2 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 9 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 1 0 : 4 4 AKST or AKDT

Lat: (decimal degrees) 5 8 . 7 5 1 9 4 (",",")

Lon: (decimal degrees) -1 3 6 . 3 5 1 3 9 (",",")

Time GPS position: :

Depth: (m) 288

CTD dropped to (m): 280

Station# 0 6

WP# 8 0

Comments: missed waypoint - use default

Location: E. Hugh Miller

Tide Low height: 1.56m

Time since Low: -249

Tide High height: 3.41

Time since High: +95

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

Name: LLE, ENM

Logbook Page: 7

Cast Name: C 1 0 1 5 0 0 3 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 9 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 1 : 2 1 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.81177 (",",")

Lon: (decimal degrees) -136.47353 (",",")

Depth: (m) 435

CTD dropped to (m): 300

Station# 0 7

WP# 8 1

Comments:

Location: N. Blue Mouse W. Tidal

Tide Low height: 1.56m Time since Low: -93

Tide High height: 3.56m Time since High: +128

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

Cast Name: C 1 0 1 5 0 0 4 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 9 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 1 : 5 4 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.86496 (",",")

Lon: (decimal degrees) -136.59334 (",",")

Depth: (m) 426

CTD dropped to (m): 300

Station# 0 8

WP# 0 8 2

Comments:

Location: S. Rendu Inlet

Tide Low height: 1.56 Time since Low: -180

Tide High height: 3.56 Time since High: +161

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

Cast Name: C 1 0 1 5 0 0 5 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 9 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 1 2 : 2 7 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) 58.89768 (",",")

Lon: (decimal degrees) -136.73668 (",",")

Depth: (m) 377

CTD dropped to (m): 300

Station# 0 9

WP# 8 3

Comments:

Location: SE of RUSSELL ISL ANCH

Tide Low height: 1.56 Time since Low: -147

Tide High height: 3.56 Time since High: +194

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum:

Name: LLE ENM

Logbook Page: 8

Cast Name: C1015006 (CTD id / Dump # / Cast #)

Date: 20050729 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 12:55 AKST or AKDT

Lat: (decimal degrees) 58.89719 (°,',"):

Lon: (decimal degrees) -136.83987 (°,',"):

Time GPS position: :

Depth: (m) 361

CTD dropped to (m): 300

Station# 010

WP# 084

Comments:

Location: N OF REID INLET

Tide Low height: 1.56 Time since Low: -119

Tide High height: 3.56 Time since High: +222

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: COMPOSITE

Cast Name: C1015007 (CTD id / Dump # / Cast #)

Date: 20050729 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 13:24 AKST or AKDT

Lat: (decimal degrees) 58.97175 (°,',"):

Lon: (decimal degrees) -136.91682 (°,',"):

Time GPS position: :

Depth: (m) 338

CTD dropped to (m): 300

Station# 11

WP# 85

Comments:

Location: Tarr Inlet

Tide Low height: 1.56 Time since Low: -90

Tide High height: 3.56 Time since High: +251

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite

Cast Name: C1015008 (CTD id / Dump # / Cast #)

Date: 20050729 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 13:57 AKST or AKDT

Lat: (decimal degrees) 59.03334 (°,',"):

Lon: (decimal degrees) -137.01866 (°,',"):

Time GPS position: :

Depth: (m) 195

CTD dropped to (m): 180

Station# 12

WP# 86

Comments: Not Dropped to Full depth - Gops!

Location: Head of Tarr Inlet

Tide Low height: 1.56 Time since Low: -57

Tide High height: 3.56 Time since High: +284

Oceanography

Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

Name: LE, ENM

Logbook Page: 9

Cast Name: C 1 0 1 5 0 0 9 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 0 7 2 9 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 4 : 2 0 AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) ~~58~~ . 0 4 8 1 2 (",","): 59

Lon: (decimal degrees) -1 5 7 . 0 5 6 0 8 (",","):

Depth: (m) 195

CTD dropped to (m): 180

Station# 2 1

WP# 8 7

Comments:

Location: Margerie & Grand Pacific

Tide Low height: 1.56 Time since Low: -34

Tide High height: 3.56 Time since High: +307

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Composite.

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24-hr clock): : AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) . (",","):

Lon: (decimal degrees) . (",","):

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

Cast Name: C (CTD id / Dump # / Cast #)

Date: (Y Y Y Y M M D D)

Time CTD on (24 hr clock): : AKST or AKDT

Time GPS position: :

Lat: (decimal degrees) . (",","):

Lon: (decimal degrees) . (",","):

Depth: (m)

CTD dropped to (m):

Station#

WP#

Comments:

Location:

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

July 2005 Oceanographic Monitoring

20050725 – Erica Madison & Lisa Etherington
Fueled up at Bartlett Cove
Left dock ~12:15pm – a bit early, so we took our time to get to station 20

Sampled stations 00, 01, 02, 03, 04

back to dock ~5:30pm
In process of trying to dock, gear shifter froze up & boat wouldn't go in & out of gear – problem worse on front console

20050726 – Bruce put new cable in for ~~steering~~ gear shifter
(did not go out w/ Karen Oakley as planned)

20050728 – Erica Madison, Lisa Etherington, Susan Boudreau

left dock ~8:00am
sampled stations 13, 14, 16, 17, 18, 19, 20

Fueled up 40g at Blue Mouse
left ~ ~~8:00~~ 5:45
Sampled Stations 22, 23
Back to dock 7:00pm

20050729 – Erica Madison
Lisa Etherington

fueled up at Bartlett Cove
left dock ~9:00am

Sampled stns. 05, 06, 07, 08, 09
→

10, 11, 12, 21

Fueled up a bit at Blue mouse
(gear shifter wouldn't go in reverse)

J. L. DARLING CORP. TACOMA, WA 98421
(206) 383-1714 · FAX (206) 383-1722

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

LLE, WJdLB, YA, WB

Logbook Page: 1

Cast Name: C1015100 (CTD id / Dump # / Cast #)

Date: 20051012 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 16:33 AKST or AKDT

Lat: (decimal degrees) 58.89567 (°,',"): 58.32666

Lon: (decimal degrees) -136.09325 (°,',"): -135.87508

Time GPS position: :

Depth: (m) 53

CTD dropped to (m): 40

Station# 00

WP# 97

Comments: WAYPOINT WRITTEN DOWN WRONG.

Location: Icy Strait

Tide Low height: 1.76 Time since Low: 40

Tide High height: 3.91 Time since High: -316

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Bartlett

Cast Name: C1015101 (CTD id / Dump # / Cast #)

Date: 20051012 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 17:35 AKST or AKDT

Lat: (decimal degrees) 58.41242 (°,',"):

Lon: (decimal degrees) -135.99480 (°,',"):

Time GPS position: :

Depth: (m) 62

CTD dropped to (m): 50

Station# 01

WP# 98

Comments:

Location: Mouth Glacier Bay

Tide Low height: 1.76 Time since Low: 102

Tide High height: 3.91 Time since High: -254

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Bartlett

Cast Name: C1015102 (CTD id / Dump # / Cast #)

Date: 20051012 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 18:19 AKST or AKDT

Lat: (decimal degrees) 58.48961 (°,',"):

Lon: (decimal degrees) -136.05046 (°,',"):

Time GPS position: :

Depth: (m) 94

CTD dropped to (m): 83

Station# 02

WP# 99

Comments:

Location: Sitakaday Narrows

Tide Low height: 1.76 Time since Low: 146

Tide High height: 3.91 Time since High: -210

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Bartlett

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

Yuri Anmitai, Wendy Bredow

Jim de La Bruere, Lisa Etherington

Logbook Page: 2

Cast Name: C 1 0 1 5 1 0 3 (CTD id / Dump # / Cast #)

Date: 2005 (Y Y Y Y) 10 (M M) 12 (D D)

Time CTD on (24-hr clock): 19:02 AKST or AKDT

Lat: (decimal degrees) 58.57133 (°,',"):

Lon: (decimal degrees) -136.06584 (°,',"):

Time GPS position: :

Depth: (m) 112

CTD dropped to (m): 100

Station# 03

WP# 100

Comments:

Location: SE Willoughby

Tide Low height: 1.80 **Time since Low:** 165 **Tide High height:** 4.34 **Time since High:** -180

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Willoughby

Cast Name: C 1 0 1 5 1 0 4 (CTD id / Dump # / Cast #)

Date: 2005 (Y Y Y Y) 10 (M M) 12 (D D)

Time CTD on (24-hr clock): 19:52 AKST or AKDT

Lat: (decimal degrees) 58.65096 (°,',"):

Lon: (decimal degrees) -136.11514 (°,',"):

Time GPS position: :

Depth: (m) 288

CTD dropped to (m): 280

Station# 04

WP# 101

Comments:

Location: N. Drake N. Marble

Tide Low height: 1.80 **Time since Low:** 215 **Tide High height:** 4.34 **Time since High:** -130

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Willoughby

Cast Name: C 1 0 1 5 1 0 5 (CTD id / Dump # / Cast #)

Date: 2005 (Y Y Y Y) 10 (M M) 12 (D D)

Time CTD on (24 hr clock): 20:45 AKST or AKDT

Lat: (decimal degrees) 58.73275 (°,',"):

Lon: (decimal degrees) -136.11316 (°,',"):

Time GPS position: :

Depth: (m) 147

CTD dropped to (m): 140

Station# 13

WP# 102

Comments:

Location: SE Tlingit / NW Sturgess

Tide Low height: 1.80 **Time since Low:** 265 **Tide High height:** 4.49 **Time since High:** -82

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: Muir

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

YA, WB, LE, JdLB

Logbook Page: 3

Cast Name: C 1 0 1 5 1 0 6 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 2 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 2 1 : 2 5 AKST or AKDT

Lat: (decimal degrees) 5 8 . 7 9 1 6 2 (°,',"):

Lon: (decimal degrees) -1 3 6 . 1 0 8 4 3 (°,',"):

Time GPS position: :

Depth: (m) 81 ✓

CTD dropped to (m): 70 ✓

Station# 14 ~~15~~

WP# 1 0 3

Comments:

Location: Muir Sill ✓

Tide Low height: 1.80 ✓ Time since Low: 305 ✓ Tide High height: 4.49 ✓ Time since High: -42 ✓

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir

Cast Name: C 1 0 1 5 2 0 0 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 8 : 5 7 AKST or AKDT

Lat: (decimal degrees) 5 9 . 0 8 6 1 2 ✓ (°,',"):

Lon: (decimal degrees) -1 3 6 . 3 7 0 7 6 ✓ (°,',"):

Time GPS position: :

Depth: (m) 170

CTD dropped to (m): 160

Station# 2 0 ✓

WP# 1 0 4

Comments:

Location: Head of Muir ✓

Tide Low height: 0.34 Time since Low: 237 ✓ Tide High height: 4.61 Time since High: -150 ✓

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station:

Cast Name: C 1 0 1 5 2 0 1 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 9 : 2 1 ? AKST or AKDT

Lat: (decimal degrees) 5 9 . 0 7 2 0 9 (°,',"):

Lon: (decimal degrees) -1 3 6 . 3 3 5 9 4 (°,',"):

Time GPS position: :

Depth: (m) 228

CTD dropped to (m): 210

Station# 1 9

WP# 1 0 5

Comments:

Location: Muir Inlet

Tide Low height: 0.34 Time since Low: 267 Tide High height: 4.61 Time since High: -120

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: Nad 83

Logbook Page: 4

Name: LE, YA, JD, NB

Cast Name: C 1 0 1 5 2 0 0 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 8 : 57 AKST or AKDT

Lat: (decimal degrees) . (°,',"):

Lon: (decimal degrees) . (°,',"):

Time GPS position: :

Depth: (m) 170

CTD dropped to (m): 160

Station# 2 0

WP#

Comments: oops... recorded on logbook page 3

Location: Head of Muir ~~Muir Glacier~~

Tide Low height: Time since Low:

Tide High height: Time since High:

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir

Cast Name: C 1 0 1 5 2 0 2 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 10 : 27 AKST or AKDT

Lat: (decimal degrees) 59 . 0 5 0 0 0 (°,',"):

Lon: (decimal degrees) -136 . 1 8 5 1 3 (°,',"):

Time GPS position: :

Depth: (m) 210

CTD dropped to (m): 200 ✓

Station# 1 8

WP# 1 0 6

Comments: this is why I work in pencil ☺ Use default lat long

Location: ~~Muir Inlet~~ S. of Riggs NW of McBride

Tide Low height: 0.34 Time since Low: 327

Tide High height: 4.61 Time since High: -60

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir ✓

Cast Name: C 1 0 1 5 2 0 3 ✓ (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 11 : 25 AKST or AKDT

Lat: (decimal degrees) 58 . 9 7 4 9 0 (°,',"):

Lon: (decimal degrees) -136 . 1 3 6 8 3 (°,',"):

Time GPS position: :

Depth: (m) 192

CTD dropped to (m): 180

Station# 1 7

WP# 1 0 7

Comments:

Location: E. of Westdahl Pt

Tide Low height: 1.17 Time since Low: -364

Tide High height: 4.61 Time since High: -2 ✓

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Muir

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

LE, MA, JdLB, WB

Logbook Page: 5

Cast Name: C 1 0 1 5 2 0 4 ✓ (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 2 : 2 1 AKST or AKDT

Lat: (decimal degrees) 5 8 . 8 9 5 7 1 (",","):

Lon: (decimal degrees) -1 3 6 . 0 9 3 0 9 (",","):

Time GPS position: :

Depth: (m) 313

CTD dropped to (m): 300

Station# 1 6 ✓

WP# 1 0 8

Comments:

Location: E. Hunter Cove

Tide Low height: 1.17 Time since Low: -308 Tide High height: 4.61 Time since High: 54

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station:

Cast Name: C 1 0 1 5 2 0 5 ✓ (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 4 : 5 8 AKST or AKDT

Lat: (decimal degrees) . (",","):

Lon: (decimal degrees) . (",","):

Time GPS position: :

Depth: (m) 262

CTD dropped to (m): 250

Station# 0 6 ✓

WP#

Comments: use default location - discrepancy among GPSs

Location: E. Hugh Miller

Tide Low height: 1.8 Time since Low: -80 Tide High height: 4.1 Time since High: 270

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station: Composite

---

Cast Name: C 1 0 1 5 2 0 6 ✓ (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 1 5 : 5 1 AKST or AKDT

Lat: (decimal degrees) 5 8 . 8 1 1 2 3 (",","):

Lon: (decimal degrees) -1 3 6 . 4 7 3 1 6 (",","):

Time GPS position: :

Depth: (m) 435

CTD dropped to (m): 300

Station# 0 7

WP# 1 0 9

Comments:

Location: N. of MC W of Tidal

Tide Low height: 1.8 Time since Low: -27 Tide High height: 4.1 Time since High: 323

Sampling: Oceanography Sonic Bottom Dive Other : Tide Station: Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

Logbook Page: 6

me: JDB, LE, YA, WB

Cast Name: C 1 0 1 5 2 0 7 ✓ (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 6 : 4 1 AKST or AKDT

Lat: (decimal degrees) 5 8 . 8 6 4 8 8 (°,',"):

Lon: (decimal degrees) -1 3 6 . 5 9 3 8 4 (°,',"):

Time GPS position: :

Depth: (m) 426

CTD dropped to (m): 300

Station# 0 8 ✓

WP# 1 1 0

Comments:

Location: S. Rendu

Tide Low height: 1.8 **Time since Low:** 23 **Tide High height:** **Time since High:** -325

Sampling: Oceanography Sonic Bottom Dive Other : **Tide Station:** Composite

---

Cast Name: C 1 0 1 5 2 0 8 ✓ (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 3 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 1 7 : 3 7 AKST or AKDT

Lat: (decimal degrees) 5 8 . 8 9 7 7 8 (°,',"):

Lon: (decimal degrees) -1 3 6 . 7 3 6 3 3 (°,',"):

Time GPS position: :

Depth: (m) 377

CTD dropped to (m): 300

Station# 0 9

WP# 1 1 1

Comments: ✓

Location: SE Russell

Tide Low height: 1.8 **Time since Low:** 79 **Tide High height:** 4.49 **Time since High:** -269

Sampling: Oceanography Sonic Bottom Dive Other : **Tide Station:** Composite

---

Cast Name: C 1 0 1 5 3 0 0 ✓ (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 4 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 7 : 3 0 AKST or AKDT

Lat: (decimal degrees) 5 8 . 8 9 9 3 5 (°,',"):

Lon: (decimal degrees) -1 3 6 . 8 4 0 0 0 (°,',"):

Time GPS position: :

Depth: (m) 380

CTD dropped to (m): 300

Station# 1 0

WP# 1 1 2

Comments:

Location: N of Reid Inlet -282

Tide Low height: 0.06 **Time since Low:** 97 **Tide High height:** 5.13 **Time since High:** ~~-282~~ -182

Sampling: Oceanography Sonic Bottom Dive Other : **Tide Station:** Composite

OCEANOGRAPHY SURVEY
Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAD83

JdLB, LLE, YA, WB

Logbook Page: 7

Cast Name: C 1 0 1 5 3 0 1 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 4 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 8 : 33 AKST or AKDT

Lat: (decimal degrees) 58.97177 (°,',"):

Lon: (decimal degrees) -136.91670 (°,',"):

Time GPS position: :

Depth: (m) 338

CTD dropped to (m): 300

Station# 1 1

WP# 1 1 3

Comments:

Location: Tarr Inlet

Tide Low height: 0.06 Time since Low: ~~[illegible]~~ 160

Tide High height: 5.13 Time since High: ~~[illegible]~~ -319

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: ~~[illegible]~~ Composite

Cast Name: C 1 0 1 5 3 0 2 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 4 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 9 : 27 AKST or AKDT

Lat: (decimal degrees) 59.03345 (°,',"):

Lon: (decimal degrees) -137.01866 (°,',"):

Time GPS position: :

Depth: (m) 278

CTD dropped to (m): 260

Station# 1 2

WP# 1 1 4

Comments:

Location: Head of Tarr Inlet

Tide Low height: 0.06 Time since Low: ~~[illegible]~~ 214

Tide High height: 5.13 Time since High: -165

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: ~~[illegible]~~ Composite

Cast Name: C 1 0 1 5 3 0 3 (CTD id / Dump # / Cast #)

Date: 2 0 0 5 1 0 1 4 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 9 : 54 AKST or AKDT

Lat: (decimal degrees) 59.04523 (°,',"):

Lon: (decimal degrees) -137.05254 (°,',"):

Time GPS position: :

Depth: (m) 226

CTD dropped to (m): 200

Station# 2 1

WP# 1 1 5

Comments: Sampled just SE of Stn. 21 – too much ice to get to stn.

Location: Margarie & Grand Pacific

Tide Low height: 0.06 Time since Low: ~~[illegible]~~ 241

Tide High height: 5.13 Time since High: -138

Sampling: Oceanography Sonic Bottom Dive Other:

Tide Station: ~~[illegible]~~ Composite

OCEANOGRAPHY SURVEY

Glacier Bay National Park & Preserve, Alaska

** Waypoint Datum: NAB 83

Logbook Page: 8

...e: Jde, LE, YA, WB

Cast Name: C1015304 (CTD id / Dump # / Cast #)

Date: 20051014 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 14:30 AKST or AKDT

Lat: (decimal degrees) 58.~~04523~~ 70426 (°,',"):

Lon: (decimal degrees) -136.~~05284~~ 23294 (°,',"):

Time GPS position: :

Depth: (m) 356

CTD dropped to (m): 300

Station# 05

WP# 116

Comments:

Location: Btw N. Drake and SW Tlingit Pt.

Tide Low height: ~~0.04~~ 0.49 Time since Low: -230

Tide High height: ~~5.43~~ 4.99 Time since High: 142

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Willoughby

Cast Name: C1015305 (CTD id / Dump # / Cast #)

Date: 20051014 (Y Y Y Y M M D D)

Time CTD on (24-hr clock): 15:23 AKST or AKDT

Lat: (decimal degrees) 58.~~65759~~ ~~70426~~ 65759 (°,',"):

Lon: (decimal degrees) -136.~~36578~~ 36578 (°,',"):

Time GPS position: :

Depth: (m) 155

CTD dropped to (m): 150

Station# 22

WP# 117

Comments: accidentally went too deep - hit bottom

Location: Entrance Geikie

Tide Low height: 0.49 Time since Low: -177

Tide High height: ~~[illegible]~~ 4.99 Time since High: 195

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Willoughby

Cast Name: C1015306 (CTD id / Dump # / Cast #)

Date: 20051014 (Y Y Y Y M M D D)

Time CTD on (24 hr clock): 16:22 AKST or AKDT

Lat: (decimal degrees) 58.59823 (°,',"):

Lon: (decimal degrees) -136.50703 (°,',"):

Time GPS position: :

Depth: (m) 62

CTD dropped to (m): 50

Station# 23

WP# 118

Comments: -118

Location: Head Geikie

Tide Low height: 0.49 Time since Low: 718

Tide High height: 4.99 Time since High: ~~[illegible]~~ 254

Sampling: Oceanography Sonic Bottom Dive Other :

Tide Station: Willoughby

October 2005 Oceanography

20051012

Left dock at 1500 heading for 00
Jim de La Bruere, Lisa Etherington,
Yumi Anmitsu, Wendy Bredow

Sampled stations 00, 01, 02, 03, 04,
13, 14
- Uploaded CTD

Muir tides 10/13/05
low - 5:00 0.34
high - 11:27 4.61
low - 17:29 1.17
high - 23:21 4.84

headers for stns 00, 01, 02, 03, 13, 14
dump 151 - change vessel & date in
header, ✓ (10/12)

anchored in Adams Inlet late

20051013 Left anchor ~6:30 & headed
up muir Inlet towards stn. 20

Sampled stns. 20, 19, 18, 17, 16,
06, 07, 08, 09

Vmain 10.2 ncasts = 9
need to change low height on C1015200

anchored at Reid Inlet ~1900

20051014 Left anchor ~ 0700
heading to northern Tarr Inlet

sampled stns. 10, 11, 12

	L	height	h	height
10/14 Composite tide:	5:53	0.06	12:12	5.13
	18:21	0.49		
10/14 Willoughby:	5:52	0.06	12:08	4.99
	18:20	0.49		

Could not get all way to 21 due to lots of ice → Sampled SE of stn. 21

sampled stns. 5, 22, 23
1630 - Headed back to Bartlett Cove

c1015305 - stn. 22
had trouble when uploading from CTD using Seaterm
→ "Errors in data transmission
→ some scans skipped" ??
hex file looks ok, cnv file looks ok

20:30 back at Bartlett Cove

J. L. DARLING CORP. TACOMA, WA 98421
(206) 383-1714 · FAX (206) 383-1722