

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg

STATION NO. 88

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE (note if not)	GMT Time	Temp (°C)	WIND D SPD. (kt)	BOTTO M DEPTH (m)
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN
0 48	70	59.	71	N	16	58.	42	W	29 Aug 6 12 1A 50
									6.2
									12
									45.6
Sensor IDs, (Initially & swap-outs)									
SEI temp & SW	811	-EMA							
RESIN	775	-EMA							
HAR1428N	002705 PAEJ and 4304 EMA								
CDW1428N	104 PMEL and 4307 EMA								
FLOOR SN	40536-994P - EMA								
02-SBE431 SN	430804 and 431307 EMA								
Impinge SN	600 - EMA								
PNT SN	SP04,S377(log amp 002) EMA								
02-SBE43SN	NA								
Local Time (AKDT)									
					1	2			
Pycnocline Depth = 17m → 19m									
Depth of FL max = ~ 18m									
Weather: NE 12 knots seas ~ 2.8-7.9 4444444									
COMMENT: Difficult conditions, factors that may affect measurements or aid processing									
<i>Well mixed upper layer</i>									

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg

CTD File Name (No need if data is live feed)

STATION NO. 92

CTD consec CAST #	DEG MIN	DEG MIN	GMT DATE	gmt (note if not)	gmt Time	Temp (°C) (°F)	SPD. (kt)	WIN D SPD. (m)	BOTTO M DEPTH (m)
043	71 66.08	168 30.07	W 30 Aug 12	64	40	5.8	10	47	41

Sensor IDs (Initially & swap-outs)

Re-type and Set
914 - EMA

75 - EMA

100 - EMA

101 - EMA

102 - EMA

103 - EMA

104 - EMA

105 - EMA

106 - EMA

107 - EMA

108 - EMA

109 - EMA

110 - EMA

111 - EMA

112 - EMA

113 - EMA

114 - EMA

115 - EMA

116 - EMA

117 - EMA

118 - EMA

119 - EMA

120 - EMA

121 - EMA

122 - EMA

123 - EMA

124 - EMA

125 - EMA

126 - EMA

127 - EMA

128 - EMA

129 - EMA

130 - EMA

131 - EMA

132 - EMA

133 - EMA

134 - EMA

135 - EMA

136 - EMA

137 - EMA

138 - EMA

139 - EMA

140 - EMA

141 - EMA

142 - EMA

143 - EMA

144 - EMA

145 - EMA

146 - EMA

147 - EMA

148 - EMA

149 - EMA

150 - EMA

151 - EMA

152 - EMA

153 - EMA

154 - EMA

155 - EMA

156 - EMA

157 - EMA

158 - EMA

159 - EMA

160 - EMA

161 - EMA

162 - EMA

163 - EMA

164 - EMA

165 - EMA

166 - EMA

167 - EMA

168 - EMA

169 - EMA

170 - EMA

171 - EMA

172 - EMA

173 - EMA

174 - EMA

175 - EMA

176 - EMA

177 - EMA

178 - EMA

179 - EMA

180 - EMA

181 - EMA

182 - EMA

183 - EMA

184 - EMA

185 - EMA

186 - EMA

187 - EMA

188 - EMA

189 - EMA

190 - EMA

191 - EMA

192 - EMA

193 - EMA

194 - EMA

195 - EMA

196 - EMA

197 - EMA

198 - EMA

199 - EMA

200 - EMA

201 - EMA

202 - EMA

203 - EMA

204 - EMA

205 - EMA

206 - EMA

207 - EMA

208 - EMA

209 - EMA

210 - EMA

211 - EMA

212 - EMA

213 - EMA

214 - EMA

215 - EMA

216 - EMA

217 - EMA

218 - EMA

219 - EMA

220 - EMA

221 - EMA

222 - EMA

223 - EMA

224 - EMA

225 - EMA

226 - EMA

227 - EMA

228 - EMA

229 - EMA

230 - EMA

231 - EMA

232 - EMA

233 - EMA

234 - EMA

235 - EMA

236 - EMA

237 - EMA

238 - EMA

239 - EMA

240 - EMA

241 - EMA

242 - EMA

243 - EMA

244 - EMA

245 - EMA

246 - EMA

247 - EMA

248 - EMA

249 - EMA

250 - EMA

251 - EMA

252 - EMA

253 - EMA

254 - EMA

255 - EMA

256 - EMA

257 - EMA

258 - EMA

259 - EMA

260 - EMA

261 - EMA

262 - EMA

263 - EMA

264 - EMA

265 - EMA

266 - EMA

267 - EMA

268 - EMA

269 - EMA

270 - EMA

271 - EMA

272 - EMA

273 - EMA

274 - EMA

275 - EMA

276 - EMA

277 - EMA

278 - EMA

279 - EMA

280 - EMA

281 - EMA

282 - EMA

283 - EMA

284 - EMA

285 - EMA

286 - EMA

287 - EMA

288 - EMA

289 - EMA

290 - EMA

291 - EMA

292 - EMA

293 - EMA

294 - EMA

295 - EMA

296 - EMA

297 - EMA

298 - EMA

299 - EMA

300 - EMA

301 - EMA

302 - EMA

303 - EMA

304 - EMA

305 - EMA

306 - EMA

307 - EMA

308 - EMA

309 - EMA

310 - EMA

311 - EMA

312 - EMA

313 - EMA

314 - EMA

315 - EMA

316 - EMA

317 - EMA

318 - EMA

319 - EMA

320 - EMA

321 - EMA

322 - EMA

323 - EMA

324 - EMA

325 - EMA

326 - EMA

327 - EMA

328 - EMA

329 - EMA

330 - EMA

331 - EMA

332 - EMA

333 - EMA

334 - EMA

335 - EMA

336 - EMA

337 - EMA

338 - EMA

339 - EMA

340 - EMA

341 - EMA

342 - EMA

343 - EMA

344 - EMA

345 - EMA

346 - EMA

347 - EMA

348 - EMA

349 - EMA

350 - EMA

351 - EMA

352 - EMA

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**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg

STATION NO.
93

CTD consec CAST #	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	Temp (°C)	BHTP	SPD. (kts)	WIN D SPD. (m)	BOTTO M DEPTH
0 44	71 19.	59 N	16	8	30	02	W	30	AUG	12	1457	5.6

Sensor IDs (Initially & swap-outs)

Local Time (AKDT)

1

2

VESSEL
Bristol Explorer

VESSEL Bristol Explorer		CRUISE #		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.							
CTD consec CAST #		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	WIND DIR	WIND SPD. (kt)	WIN D CLOUD COVER WEATHER	BOTTO M DEPTH (m)
0	1	77	2	06	.02	1	6	3	28	.5	1	WS3	1	AUG 12 2017	1.5
1	2														
2	3														
3	4														
4	5														
5	6														
6	7														
7	8														
8	9														
9	10														
10	11														
11	12														

Sensor IDs (Initially & swap-outs), Local Time (AKDT)

SEE APPENDIX SN:
 PRESS SN: 911-EMA
 TEMP 1&2 SNs: 775-EMA
 (334 PHEL) and (3302-EMA)
 FLUOR SN: WS3S-884P-EMA
 D2 (8863) SN: 433604 and 433301 - EMA
 Tension SN: 690 - EMA
 PAR 3SN: SPOA-337 (log amp 0021) EMA
 D2 SBE42SN: - N/A

Pycnocline Depth = 12 m → 14 m
 Weather: N. Syts Seas ~ 2 ft

COMMENT: Difficult conditions, factors that may affect measurements or aid processing

Blanks

Sea ice scattered

CTD MAX DEPTH = 35

VESSEL Bristol Explorer		PROJECT & LEG (if needed) Arctic EIS leg		CTD FileName (No need if data is live feed)		STATION NO 100		
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD. (ktbs)	BOTTO M DEPTH (m)
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)
0	4	8	72	06	4	5	16	3
				0	0	4	3	0
					1	1	2	1
					1	2	1	0
								34
								CTD MAX DEPTH = 34
SBE type and SN		911 - EMA		Pycnocline Depth ~ 9m -		Depth of FL max =		
PRESS SN		775 - EMA		Weather: Cloudy		x		
TEMP 1&2 SNS		(432788 PMEL) and (4324 EMA)		COMMENT: Difficult conditions, factors that may affect measurements or aid processing				
COND 1&2 SNS		(34 PMEL) and (43072 EMA)						
FLUOR SN		WSS-984P - EMA						
O2 (SBE43) SN		433004 and 431301 - EMA						
Transmiss SN		660 - EMA						
PAR SN		SP04-3377(9g empl 0021) EMA						
O2 SBE42SN		NA						
		Temp + fluorescence spikes?						

VESSEL
Bristol Explorer

CRUISE ID

PROJECT & LEG
Arctic EIS leg

STATION NO
101

CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. SPD.	CLOUD TYPE	WEATHER	BOTTO M DEPTH	STA NAME/ID	
049	7230.04N	16240.03W	SEP 12 14:51		6.8	41	

Sensor IDs (Initially & swap-outs)

SEE type and SN

PRESS SN

TEMP 1&2 SNs

COND 1&2 SNS

FLUOR SN

O2 (SBE37) SN

Transmiss SN

PAR SN

O2 SBE37SN

N/A

**VESSEL
Bristol Explorer**

CRUISE ID		PROJECT & LEG Arctic EIS leg										CTD FileName (No need if data is live feed)		STATION NO		
CTD consec CAST #		LATITUDE		LONGITUDE		GMT DATE	(note # not)	GMT Time	Temp (°C)	WET BULB Time	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	BOTTO M DEPTH	STATION NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	(°C)	(mb)	(deg)	(deg)	(m)		
050	72	30.11N	163.31.16W	12	18	03	3.6								48m	
02 SBEKSN	N/A							12								CTD MAX DEPTH = 45
Sensor IDs (initially & swap-outs)		Local Time (AKDT)														
SEE type and SN		9.11 - EMA														
PRESS SN		775 - EMA														
TEMP 1&2 SNs		(33P278 PMEL) and (33A4 EMA)														
COND 1&2 SNs		(33P278 PMEL) and (43072 EMA)														
FLUOR SN		WS33-984P - EMA														
O2 (SBEKSN) SN		433804 and 431301 - EMA														
Transmiss SN		680 - EMA														
PAR SN		SPDA-337(log amp 0021) EMA														
02 SBEKSN	N/A															
COMMENT: Difficult conditions, factors that may affect measurements or aid processing		WELL mixed top 12 mches Very saline bottom														
Weather:																

YES
Bristol Explorer

CRUISE ID

PROJECT & LEG. (Mandatory) CTD FileName (No need if data is live feed)

四〇一

CRUISE ID		PROJECT & LEG		CTD File Name (No need if data is live feed)		STATION NO.			
CTD CONSEC CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT TIME	Temp (°C)	WET BULB TEMP °C	WIND DIRN	WIND SPD. (m/s)	BOTTO M DEPTH (m)
051	72 30.05 N	164 20.93 W	12 SEP 12	159 42.3	12.3	12.3	000	0.0	50.3
Sensor IDs (Initially & swap-outs)									
BEE type and SN									
PRESS SN 776-EMIA									
TEMP 1 & 2 SNs (TOP2708 PMEL) and (4394 EMIA)									
COND 1&2 SNs (504 PMEL) and (43077 EMIA)									
FLUOR SN W333-904P - EMIA									
O2 (8863) SN 43060 and 431301 - EMIA									
Transmiss SN 600 - EMIA									
PAR SN SPOA-337 (log amp 0021) EMIA									
CO2 SBE42SN N/A									

VES & aristal EXPOSER

CRUISE ID

PROJECT & LEG. (cont'd)

— 1 —

NOTATION

IVES

CRUISE

PROJECT & LEG Arctic EIS leg	CTD File Name (No need if data is live feed)	STATION NO. 105
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VES
Artatni Exorcist

ATION NO

VESSEL Bristol Explorer	CRUISE ID	PROJECT & LEG (Arctic EG leg)	CTD File Name (No need if data is live feed)												STATION NO 106		
			CTD CONSEC CAST #	LATITUDE		LONGITUDE		GMT DATE (note if not)		GMT TIME		Temp (°C)		WET PRESS BULB	ATM PRESS SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(kt)	(mi)	(m)		
028.4	72	22.577	N	166	48	71	W	02	SEP	12	14	58	11.2	.	10	50	
Sensor IDs (initially & swap-outs)																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Sensor IDs (initially & swap-outs)																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Local Time (AKDT)																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Pycnocline Depth																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Weather																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
COMMENT: Difficult conditions, factors that may affect measurements or aid processing																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Froze last night, saw snow, wind far off, water warmer in Syringes.																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Depth of FL max																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
CTD MAX. DEPTH = 45																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Comments or other samples																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA																
Comments or other samples																	
SEE type and SN	9-11 -EMA																
PRESS SN	776 - EMA																
TEMP 1&2 SNs	(1322705 PMEL) and (4304 EMA)																
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																
FLUOR SN	WES36-994P - EMA																
CO2 (68643) SN	430804 and 431301 - EMA																
Transmiss SN	680 - EMA																
PAR SN	SP04-3377(log amp 0021) EMA																
CO2 SBE42SN	NA			</td													

VESSEL
Bristol Exporter

CRUISE ID

PROJECT & LEG
needed

STATION NO.
107

MESSAGE

CRUISE ID

PROJECT & LEG (Seated)

**VESSEL
Bristol Explorer**

અનુભૂતિ

PROJECT & LEG (- selected) CTD FileName (No need if data is live feed)

100

VESSEL

CRUISE ID

PROJECT & LEG (beded)

ION NO.

VESSEL
Bristol Explorer

CRUISE

PROJECT & LEG (Added)

三
二

VES
Bristol Explorer

CRUISE

PROJECT & LEG
Arctic EIS (see addendum)

10

VES
Bristol Explorer CRUISE ID PROJECT & Arctic EIS Log

CTD FileName (No need if data is live feed)

tion No.

VES
Bristol Embroidery

CRUISE ID PROJECT & LEG
Arctic 013 leg added

CTB FileName (No need if data is live feed)

1

VES
Bristol Explorer

CRUISE ID

PROJECT & LEG
Arctic EIS M

VESSEL Bristol Explorer	CRUISE ID	PROJECT & LEG (Arctic EBS leg)	CTD File Name (No need if data is live feed)	STATION NO.							
CTD cast CAST #	LATITUDE	LONGITUDE	GMT (note # not) DATE	GMT Time	Temp (°C)	W.E. BLDG	WIND DIR	WIND SPD.	BOTTO M DEPTH		
DEG MIN	DEG MIN	DAY	MO	YR	HR MN	DIR	SPD. (m/s)	(m)			
6 6 3 21 30 .04 N	162 11 .83 W	06	Sep	12	21	7	11.7	~20	45.7		
Station IDs (Initially & swap-out)					12						
See type and SN	911-EMA										
PRESS SN	778-EMA										
TEMP 1&2 SNs	(027/08 PMEL) and (KSM EMU)										
COND 1&2 SNs	(004 PMEL) and (KSM EMU)										
FLUOR SN	WS38-684P-EMA										
O2 (SBE39) SN	43004 and 431301-EMA										
Transmiss SN	680-EMA										
PAR SN	SP04-3377 (log amp 0020) EMA										
O2 SBE42SN	NA										
Local Time (AKDT)											
Pyroclastic Depth ~13m											
Weather: N wind ~ 10 kts seas ~ 3-4' some swirls											
COMMENT: Difficult conditions, factors that may affect measurements or aid processing											
Well mixed top layer											
Not holding CTD to surface b/c swirls will lift it and never											
3 m + wind, 5 m instead.											
CTD MAX DEPTH = 410											
NIKE #	DEPTH	ROSETTA NOTES	HYDRO TEAM-PMEL	Stacked GFF + >10 vol	Stacked GFF vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 dup vol	POC 600 ml	Comments or other samples	Nike #
1											1
2											2
3	5		311 ✓ 245 500		250						3
4	10		312		250	250		500			4
5											5
6											6
7											7
8											8
9	20	18.8	313		250	250					9
10	30	23.7	314		250	250					10
11	40	38.6	315		250	250					11
12											12

~5-10mls spilled
from stacked sample

VESX
P-101

CRUISE ID

PROJECT & LEG (Add)
Arctic EIS leg
CTD FileName (No need if data is live feed)
STATION NO
18

VESSE

CRUISE ID

PROJECT & LEG. (Continued)

9

VESB
Bristol Explorer

CRUISE

PROJECT & LEG (Added) CTD FileName (No need if data is live feed)
Arctic EIS leg

121

VESSEL Bristol Explorer		CRUISE ID		PROJECT & ECG (if needed)		CTD File Name (No need if data is live feed)		STATION NO.													
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT		WET PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	BOTTO M DEPTH	STA NAME/ID							
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	Temp (°C) (°F)	Sea (mb)	(deg)	(kts)	(amt)	(m)								
6	6	7	1	59.	98	N	15	7	10.	78	W	08	Sep	12	03	43	2.	4	.	15	89
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1		2															
SBE type and SN		9 11 -EMA																			
PRESS SN		775 -EMA																			
TEMP 1 & 2 SBEs		(43P2786 PMEL) and (4394 EMA)																			
COND 1&2 SBEs		(4304 PMEL) and (43072 EMA)																			
FLUOR SN		WS35-994P - EMA																			
O2 (SBE43) SN		430804 and 431301 - EMA																			
Transmiss SN		660 - EMA																			
PAR SN		SP04-3377(kg amg 0021) EMA																			
CO2 SBE42SN		N/A																			

VESSEL Bristol Explorer		CRUISE ID	PROJECT & LEG (if needed) Arctic EIS leg	CTD FileName (No need if data is live feed)	STATION 1 2 3		
CTD consec CAST #		LATITUDE DEG MIN	LONGITUDE DEG MIN	GMT DATE DAY MO YR HR MIN	(note # not) Time Temp (°C) BULB WET PRESSURE SEA STATE VISIBILITY DIRN. SPD.	WIND Wind Cloud Cloud Dirn. Spd. Wind Wind Cloud Cloud Dirn. Spd. Wind Wind Cloud Cloud Dirn. Spd.	BOTTO M WEATHER DEPTH (m) NAME/ID
5	68	71 29.9	157 28.69	8 SEP 12 1500	5.2	15	198
6	68	71 29.9	157 28.69	8 SEP 12 1500	5.2	15	198
7	68	71 29.9	157 28.69	8 SEP 12 1500	5.2	15	198
8	68	71 29.9	157 28.69	8 SEP 12 1500	5.2	15	198
9	30	29.8	308	500	250	8	8
10	40	40.1	329	250	250	10	10
11	50	48.8	330	250	250	11	11
12						12	12

Sensor IDs (Initially & swap-outs)

SBE 6000 and 8000

811 - EMA

775 - EMA

Pycnocline Depth ~ 15m

Depth of FL max = top 20 m

Weather: V-VW ISKTS Seas aft 4-6 ft swells

COMMENT: Difficult conditions, factors that may affect measurements or aid processing

PRESS 8000

(30P2706 PMEL) and (4304 EMA)

COND 1&2 8000

(304 PMEL) and (43072 EMA)

FLUOR 8000

WESS-604P - EMA

430804 and 431301 - EMA

Transmiss 8000

600 - EMA

PAR 8000

SPDA-337 (log amp 0021) EMA

02 SBE425N

N/A

CTD MAX DEPTH = 88

Rolette Notes Hydro Team-PMEL

Stacked GFF + Unstack GFF
>10 vol dup vol

Stacked GFF + Unstack GFF
>10 vol dup vol

Unstack GFF dup
>10 vol

PCG 600 ml

Comments or other samples

Nisk #

1							1
2	0		325	250			2
3	10	10.8	326	250	250		3
4	20	19.8	327	250	250		4
5							5
6							6
7							7
8							8
9	30	29.8	308	500	250		9
10	40	40.1	329	250	250		10
11	50	48.8	330	250	250		11
12							12

Scenes of 15m depth lost ~ 15m GFF height

08/25/09

VESSE

VESSEL Bristol Explorer	CRUISE ID	PROJECT & LEG (if needed) Arctic EIS leg	CTD FileName (No need if data is live feed)	STATION #									
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WET PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD TYPE	BOTTO M DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(mb)	(deg)	(fts)	(m)
07407	129.99	N	6037.91	W	09	Sept	12	0020	3.5	.1	.	46	
Sensor IDs (initially & swap-outs)													
SEE TYPE AND SN	811 - EMA												
PRESS SN	775 - EMA												
TEMP 1&2 SNs	(03P2768 PMEL) and (4304 EMA)												
COND 4&2 SNs	(304 PMEL) and (43072 EMA)												
FLUOR SN	W338-004P - EMA												
O2 (SS4A3) SN	430804 and 431301 - EMA												
Transmiss SN	680 - EMA												
PAR SN	SP04-3377 (log amp 0021) EMA												
O2 SBE2/2SN	N/A												
Local Time (AKDT)				1	2								
Depth of FL max =													
Pycnocline Depth =	~19 m												
Weather:	Overcast - winds calm, seas ~ 2 ft												
COMMENT: Difficult conditions, factors that may affect measurements or aid processing													
	Revising station 117. (New date here earlier when less sea rough)												
	For Oceanography												
	Wind temp sunny												
	Temp 15 m												
NIck #	DEPTH	Roostile Notes	Hydro Team-PMEL	Stacked GFF + >10 vol	Stacked GFF vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack >10 dup vol	POC 500 ml	Comments or other samples	NIck #	
1											Blanks	1	
2												2	
3												3	
4	0		336									4	
5												5	
6												6	
7												7	
8												8	
9	10		337									9	
10	20		338									10	
11	30		339									11	
12												12	

CTD MAX DEPTH = 38

VE Bristol Explorer		CRUISE ID		PROJECT & EIS (if needed)		CTD File Name (No need if data is live feed)		STATION NO.					
CTD CONSEC CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT TIME	TEMP (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRECTION	WIND SPEED (kts)	CLOUD (and type)	BOTTOM M DEPTH (m)	STA. NAME/D
DEG	MIN	DEG	MIN	DAY MO YR HR MIN	(°C)	(°C)	(mb)	VISIBILITY	DIRN.	(deg)	(deg)	(m)	
071	65 29 . 97 N	168 30 . 17 W	10 SEP 12 21 04	6.6	10	10	10	10	10	10	10	60	
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1 2									
PRESS SN	911 - EMA	776 - EMA	TEMP 1&2 SNs	(304 PHEL) and (43072 EMA)	W338-604P - EMA	FLUOR SN	02 (S8E43) SN	Transmiss SN	600 - EMA	PAR SN	SPOA-3371(log temp 0021) EMA	O2 S8E42SN	NA

VESSEL Bristol Explorer		CRUISE ID		PROJECT & LEG (based)		CTD File Name (No need if data is live feed)										STATION NO																						
CTD consec CAST #	LATITUDE	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	WET BULB PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD TYPE	WEATHER	BOTTO M DEPTH	STA. NAME/ID																	
073650	1.79N	167	55.	66	W	11	SEP	1205	7.	1.	.	.	.	~10	~10	~10	~10	~10	~10	413																		
Sensor IDs (Initially & swap-outs)																																						
See type and SN																																						
PRESS SN	775 - EMA																																					
TEMP 1 & 2 SNs	(43P2786 PMEL) and (43P4 EMA)																																					
COND 1&2 SNs	(304 PMEL) and (43072 EMA)																																					
FLUOR SN	W3838-994P - EMA																																					
02 (SBE39) SN	430804 and 431301 - EMA																																					
Transmiss SN	680 - EMA																																					
PAR SN	SP0A-3377/big atm p 0021) EMA																																					
02 98642SN	NA																																					
Task #	DEPTH	Rosetta Noise	Hydro Team-PMEL		Stacked GFF + >10 vol	Stacked dup vol	Unstack GFF vol	Unstack GFF dup vol	Unstack >10 vol	Unstack POC vol	500 ml	Comments or other samples		Ntask #		CTD MAX. DEPTH = 38																						
1			SALT	BRN	Nut.BR	Oxy.BR											1																					
2																	2																					
3																	3																					
4	0		351	Pass					250								4																					
5																	5																					
6																	6																					
7																	7																					
8																	8																					
9	10		352							850							9																					
10	20		353							850							10																					
11	30		354							850							11																					
12																	12																					