

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg 3

CTD File Name (No need if data is live feed)
201208074

STATION NO.
129

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE		(note # not)	GMT Time	Temp (°C)	WIND SPD.	BOTTO DEPTH
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN (°C)	(m/s)	(kts)	(m)
074	64	23.91	N	165	59	39	W	12	05	43	7.9
Sensor IDs (Initially & swap-outs)											
See log and SN											
PRESS SN:	775-EWA										
TEMP 142 SNs	(082716 PMSL) and (082716 EWA)										
COND 142 SNs	(082716 PMSL) and (082716 EWA)										
FLUOR SN	WSSS-BRP-EWA										
O2(SBE44) SN	080404 and 081301-EWA										
PAR SN	SP643576 (080404) EWA										
O2(SBE42SN	N/A										
Local Time (AKDT)											
					1	2					
Pycnocline Depth= 3 - 18 m ~ SPIKES 6, 10, 13 Depth of FL max = 6 - 13 m											
Weather: SW -> NNE CLOUDY SKIES											
COMMENT: Difficult conditions, factors that may affect measurements or aid processing											
MAY NOT HAVE LEFT INSTRUMENTS EQUALIZE LONG ENOUGH.											
NEAR SLEDGE ISLAND.											
Test Station Leg 3											
Task #											
1											
2											
3											
4											
5											
6											
7											
8											
9	0	49	355					250			
10	10	356						250			
11	10	357						250			
12											

CTD MAX. DEPTH = 20 m

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg

CTD File Name (No need if data is live feed)
201208075

STATION NO.
130

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD.	BOTTO M DEPTH
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(kts)
075	64	30.04	167	00.04	W	12	Sep	1	2	6.4
Sensor IDS (Initially & swap-outs)										
SBE type and SN PRESS SN 775 - EMA										
TEMP 1 & 2 SNS (K2P2706 PHEL) and (K2P4 EMA)										
COND 1&2 SNS (304 PHEL) and (K307 EMA)										
FLUOR SN WSSS-904P - EMA										
O2 (SBE43) SN 430004 and 431301 - EMA										
Transmiss SN 690 - EMA										
PAR SN SPDA-3377 (069 amp 002) - EMA										
O2 SBE42SN NA										

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg 3

CTD File Name (No need if data is live feed)
2017_08027

STATION NO.
132

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not) Time	GMT	Temp (°C)	(°C)	WIND SPD.	BOTTO M DEPTH
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(kts)	(m)
077	64	29.95	168	59.82	13	SEP	1	03	50	1.52	10
Sensor IDs (Initially & swap-outs)											
SBE type and SN											
PRESS SN	775 - EMA										
TEMP 1 & 2 SNs	(33PZT06 PMEM) and (3304 EMA)										
COND 1&2 SNs	(334 PAMEL) and (3307 EMA)										
FLUOR SN	WS33-004P - EMA										
OC (33E43) SN	433004 and 431301 - EMA										
Transmiss SN	680 - EMA										
PART SN	SP04-3377 (no temp 002%) - EMA										
02 SBEV2SN	N/A										
Nisk #											
1											
2											
3	0		365					250			2
4	10		366					250	250		3
5											4
6											5
7											6
8											7
9	20		367					250			8
10	30		368					250			9
11	35	x50	369					250			10
12											11
											12

Local Time (AKDT) 1 2 CTD MAX. DEPTH = 35m

Pycnocline Depth = 10m

Weather: ~~Foggy~~ Seas 3 ft.

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

~~Very Strong Ht 7/10ft/15m, Wind 10kts.~~

VESSEL
Bristol Explorer

PROJECT & LEG (if needed) CTD FileName (No need if data is live feed)
Arctic EIS leg 3 2012-0807-13

1 NO. 1

VESSEL
Bristol Explorer

PROJECT & LEG (if applicable)
Arctic EIS leg TZ - 2

VESSEL
Bristol Explorer

PROJECT & LEG (if needed)
Arctic EIS leg 3

CTD File Name (No need if data is live feed)
2012_08_08_2

STATION NO. 138

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD. (kts)	BOTTO M DEPTH (m)
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	
D 82	63	59.48	N	166	59	.72	W	1	4	SEP 1 2010 30 6.02
Sensor IDs (Initially & swap-outs)										
See type and SN										
PRESS SN	775 - EMA									
TEMP 1 & 2 SNs	(K2P2706-PHE) and (K3P4EML)									
COND 1&2 SNs	(K4P1PEL) and (K5P2.ELM)									
FLUOR SN	W53S-684P - EMA									
O2 (SB643) SN	430864 and 431931 - EMA									
Transmiss SN	690 - EMA									
PART SN	SPOA-337 (log sample 002) - EMA									
PAR2 SN	NA									
# took forever to filter last ~20 min's, + 710 final fell out table.										
Task #	Start Depth	End Depth	Depth	Rate	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom
1										
2										
3										
4	0	387								
5										
6										
7										
8										
9	10	388								
10	20	389	500	500	250					
11	28	390								
12										

CTD MAX. DEPTH = 28.9

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg

201208083

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note # ref)	GMT Time	Temp (°C)	WIND SPD. (kts)	BOTTO M DEPTH (m)	STATION NO.
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	
083	64	00.12	N	165	59	.98	W	15	SEP	1 2 0 1 3 0	7.42
Sensor IDs (Initially & swap-outs)											
SEE type and SN	911 - EMA							1	2		
PRESS SN	776 - EMA										
TEMP1 & 2 SNs	(082708) PNEU1, SN (4884 EMA)										
COND 1&2 SNs	(304/PNEU) and (45071 EMA)										
FLUOR SN	WESS-004P - EMA										
O2 (SBE43) SN	45004 and 431301 - EMA										
transmiss SN	690 - EMA										
PAR SN	SPDA-3727 (log amp 002) EMA										
O2 SBE43SN	NA										

SEE type and SN

911 - EMA

776 - EMA

TEMP1 & 2 SNs

(082708) PNEU1, SN (4884 EMA)

COND 1&2 SNs

(304/PNEU) and (45071 EMA)

FLUOR SN

WESS-004P - EMA

O2 (SBE43) SN

45004 and 431301 - EMA

transmiss SN

690 - EMA

PAR SN

SPDA-3727 (log amp 002) EMA

O2 SBE43SN

NA

PROJECT & LEG (if needed) Arctic EIS leg 3		CTD FileName (No need if data is live feed) 2012-08-08(a)		STATION NO. 143	
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	WIND SPD. (kt)
	DEG MIN	DEG MIN	DAY MO	HR MIN	Temp (°C) (°F)
8663	30.01 N	165.89.95 W	16 SEP 12	05 06	.05
			1 2		
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		CTD MAX. DEPTH = 20	
SBE type and SN	811-EM4	Pycnocline Depth = 6 - 11 m	STEP 2	Depth of FL max =	2 - 6 m
PRESS SN	775-EM4				
TEMP 1 & 2 SNS	(811ZEM4 and 775ZEM4)	Weather: CLEAR SKIES. 3 ft SEAS.			
COND 1&2 SNS	(811ZEM4 and 775ZEM4)	COMMENT: Difficult conditions, factors that may affect measurements or aid processing			
FLUOR SN	WES-604-EM4	BLANKS.			
O2 (811EM4) SN	45000-EM4-EM4-EM4				
Transmiss SN	650-EM4				
PAR SN	SPOA-3377100sing021-EM4				
O2 SBE42SN	NA				
Nisk #					
1					
2					
3					
4					
5					
6					
7					
8					
9	0	401	250	250	8
10	10	402	250	250	9
11	19	403	250	250	10
12					11

VESSEL Bristol Explorer		PROJECT & LEG (if needed) Arctic EIS leg 3		CTD FileName (No need if data is live feed) 201208090		STATION NO 47	
CTD consec CAST #		DEG MIN	DEG MIN	DAY MO YR HR MIN	Temp (°C) (°F)	WIND SPD. (kts) (m)	BOTTO M DEPTH (m)
9	063	45.09	N 164 29.77 W	18 SEP 12 02 52	6.8	10	16
Sensor IDs (initially & swap-outs)							
Site type and SN							
PRESS SN 775 - EMA							
TEMP 1&2 SNs (30P208 PME) and (3304 EMA)							
COND 1&2 SNs (304 PME) and (3072 EMA)							
FLUOR SN 02 (S8E43) SN 430804 and 431311 - EMA							
TRANSMIS SN 680 - EMA							
SP04-3377 (eng atm) 0021 EMA							
PAR SN 02 S8E43SN N/A							
Local Time (AKDT)							
1 2							
Pycnocline Depth = NONE							
Weather: CLEARING UP! SEAS 3-4 ft.							
COMMENT: Difficult conditions, factors that may affect measurements or aid processing							
ANKS IF WATER SNs VERY SLIM, USE SMALLER SAMPLE BOTTLES!!							
103 OR SPLIT! > 10's TAKING, ESPECIALLY LONG TO FILTER IN THESE CONDITIONS.							
Depth of FL max = NONE							
Depth of CTD max = 12							
CTD MAX DEPTH = 12							
Risk #		Description		Impact		Probability	
X	1	SUSPENDED SEDIMENT		High		Very High	
X	2	SUSPENDED SEDIMENT		Medium		Medium	
X	3	SUSPENDED SEDIMENT		Medium		Medium	
X	4	SUSPENDED SEDIMENT		Medium		Medium	
X	5	SUSPENDED SEDIMENT		Medium		Medium	
X	6	SUSPENDED SEDIMENT		Medium		Medium	
X	7	SUSPENDED SEDIMENT		Medium		Medium	
X	8	SUSPENDED SEDIMENT		Medium		Medium	
X	9	SUSPENDED SEDIMENT		Medium		Medium	
X	10	SUSPENDED SEDIMENT		Medium		Medium	
X	11	SUSPENDED SEDIMENT		Medium		Medium	
X	12	SUSPENDED SEDIMENT		Medium		Medium	

VESSEL Bristol Explorer		PROJECT & LEG (If needed) Arctic EIS leg		CTD File Name (No need if data is live feed) 201208091		STATION NO. 148		
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD. (kts)	BOTTO M DEPTH (m)
91	63 00.04 N	166 00.69 W	Sep 14	12	16 00	7.46	25	21
Sensor IDs (initially & swap-outs)								
SEE type and SN								
PRESS SN	775 - EMA							
TEMP 1-22 SNs	(032786 PWEI) and (4304 EMA)							
COND 1-22 SNs	(304-FKEI) and (4302 EMA)							
FLUOR SN	WSSS-994P - EMA							
O2 (SBE43) SN	430604 and 431301 - EMA							
Transmiss SN	600 - EMA							
PAR SN	SPDA-3377 (log amp 0021) EMA							
O2 SBE42SN	N/A							
Local Time (AKDT)								
Pycnocline Depth = NONE								
Weather: DRIZZLE + SQUIRTING. SENS 3-5 ft.								
COMMENT: Difficult conditions, factors that may affect measurements or aid processing								
DUPPLICATES, SHIRKING.								
WATER STILL VERY SILTY.								

VESSEL
Bristol Explorer

PROJECT & LEG (# needed)
Arctic EIS leg 3

CTD FileName (No need if data is live feed)
2012_08_09_3

STATION NO.
150

CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note # not)	GMT Time	Temp ("C) (°C)	WIND SPD. (kts)	BOTTO M DEPTH (m)	CTD MAX. DEPTH = 21						
									DEG	MIN	DAY	MO	YR	HR	MIN
093	63 00.01 N	167 44.52 W	19 SEP 1	20105	5.15	20-25	25								
10	10 20 58	167 44.52 W	19 SEP 1	20105	5.15	20-25	25								
11	20 58	167 44.52 W	19 SEP 1	20105	5.15	20-25	25								
12															

Sensor IDs (Initially & swap-outs)

SEE (page and SN)

911 -EMA

PRESS SN

775 -EMA

TEMP 1 & 2 Snts

(032776 PMEL) and (4304 EMW)

COND 1&2 Snts

(304 PMEL) and (43072 EMW)

FLUOR SN

WSS3-694P - EMA

CO (SBE43) SN

430804 and 431301 - EMA

Infrared SN

600 -EMA

PAR SN

SPDA-3377(Mg atm 0021) EMA

SBE42SN

N/A

VESSEL
Bristol Explorer

PROJECT & LEG (if needed)
Arctic EIS leg

STATION NO.
153

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD.	BOTTO M DEPTH								
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(kts)	(m)								
096	62	30	.00	N	16	7	00	.30	W	20	SEP	12	01	51	7	.94	10	35

Sensor IDs (Initially & swap-outs)

SEE type and SN

PRESS SN

775 - EMA

TEMP 1 &2 SNs

(03P278 & 03P281) and (03P44 EMA)

COND 1&2 SNs

(04P451 & 04P452 EMA)

FLUOR SN

WS38-96MP - EMA

D2 (03E543) SN

433804 and 433361 - EMA

Transmiss SN

691 - EMA

PAR SN

SPO4-3377(log amp 0321) EMA

O2 SBEKSN

NA

VESSEL Bristol Explorer		PROJECT & LEG (if needed) Arctic EIS leg 3		CTD FileName (No need if data is live feed) 2012-08-08		STATION NO. 157	
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)	GMT Time	Temp (°C)	WIND SPD. (kts)	BOTTO M DEPTH (m)
DEG	MIN	DEG	DAY	MO	YR	HR	MIN
69 9	62 00 . 09 N	169 00 . 38 W	21 5 EP	1 2	03 25	5 . 30	10
							38
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)	1	2		CTD MAX DEPTH = 33	
SHE type and SN		Pycnocline Depth = 31 - 33?				Depth of FL max = 16' PER 20 m	
PRES SN 775 - EMA		Weather: SWELL 2-4 ft.				SKIES : Partly Blue.	
TEMP 1 & 2 SNs (332768 PWE) and (334 EMA)		COMMENT: Difficult conditions, factors that may affect measurements or aid processing					
COND 1 & 2 SNs (334 PWE) and (33022 EMA)		SWELL, Waves					
FLUOR SN 02 (33843) SN		by Surface					
TRANSMIT SN 690 - EMA							
PAR SN SP04-3377 (mg atm 002) EMA							
02 SSE42SN NA							
Risk #							
1							
2							
X 3							
X 4	0	61 X 442			250		
5							
6							
7							
8							
X 9	10	443			250		
X 10	20	444			250		
X 11	30	445			250		
12							
12							

VESSEL Bristol Explorer		PROJECT & LEG (if needed) Arctic EIS leg 3		CTD File Name (No need if data is live feed)		STATION NO. 160			
CTD consec CAST #		LATITUDE	LONGITUDE	GMT DATE	(note # not)	GMT Time	Temp (°C)	WIND SPD. (kts)	BOTTO M DEPTH (m)
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(m)
10	2	61	24.99	166	59	93	12	50	10
							40	8.35	23
									CTD MAX DEPTH = 19.3
Sensor IDs (initially & swap-outs)		Local Time (AKDT)		Depth of FL max = 12 m (61.10)					
SEE type and SN		Pycnocline Depth = 11.7 m		Weather: Partly sunny. Seas. 2-3 ft.					
PRESS SN		775 - EMA		COMMENT: Difficult conditions, factors that may affect measurements or aid processing					
TEMP 1 & 2 SNS		(032276 PMEL) and (434 EMA)		02. BALTIC					
COND 1 & 2 SNS		(304 PMEL) and (43072 EMA)							
FLUOR SN		W588-994P - EMA							
O2 (SBE-43) SN		431804 and 431301 - EMA							
Transmiss SN		680 - EMA							
PAR SN		SP04-377 (log amp 0021) EMA							
DO SBE-42SN		N/A							

VESSEL
Bristol Explorer

PROJECT & LEG (# if needed)
Arctic EIS leg 3

CTD FileName (No need if data is live feed)
2012-08-103

STATION NO.
161

CTD consec CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	Temp (°C)	(°C)	WIND SPD.	BOTTO M DEPTH
Nisk #	DEPTH M	TIME	DEPTH M	TIME	DEPTH (m)								
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9	0	454			250								9
10	10	457			250								10
11	17	458			250								11
12													12

Sensor IDs (Initially & swap-outs)

Local Time (AKDT)

Pycnocline Depth = 12 - 17 ~~Glennius~~
Depth of FL max = 17m

Weather: ~~Sunset~~ SEAS 2 ft.

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

SEE type and SN
PRESS SN
775 - EMA
TEAP 1 & 2 SNs
(082706 PHEI) and (4394 EMA)
COND 1 & 2 SNs
(304 PHEI) and (43972 EMA)
FLUOR SN
02 (688E43) SN
Transmiss SN
600 - EMA
PAR SN
800A-3377 (mg atm 0021) EMA
O2SS24SN
N/A

105 S-10ML FILTERING.

CTD MAX. DEPTH = 18

VESSEL Bristol Explorer		PROJECT & LEG { if needed } Arctic EIS leg 3		CTD File Name (No need if data is live feed) 2012-08-10		STATION NO. 162		
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD.	BOTTO M DEPTH
	DEG MIN	DEG MIN	DAY	MO	HR MIN	(°C)	(kts)	(m)
104	61 00.16 N	169 00.08 W	23	SEP	12 16 00	6.99	10	37
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)		1	2			
SSE type and SN	911 -EMA	Pycnocline Depth = NONE						
PRESS SN	775 -EMA	Weather: PLUGGED IN DARK . SWELLS 2 ft.						
TEMP 1 & 2 SNS	(43P2765.PME) and (43Q44.EMA)	COMMENT: Difficult conditions, factors that may affect measurements or aid processing						
COND 1&2 SNS	(304.PME) and (43072.EMA)	INSTRUMENTS DUPLICATES. SKINNY? (S)YB3						
FLUOR SN	16333-664P - EMA							
O2 (SBE-43) SN	430804 and 431301 - EMA							
Transmiss SN	680 - EMA							
PAR SN	SPQA-3377 (log amp 002) EMA							
O2 SBE-42SN	N/A							
						CTD MAX DEPTH = 32		
						Depth of FL max = NONE		
						Depth of FL max = NONE		

VESSEL
Bristol Explorer

PROJECT & LEG (if needed)
3

Arctic EIS leg

CTD File Name (No need if data is live feed)
201208106

STATION NO
164

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note # not)	GMT Time	Temp ("C")	WIND GUSTS Time	BOTTO M DEPTH
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR MIN	(kt/s)	(m)
10	6	60.29	.92	N	168	00	.17	24	SE	10
Sensor IDs (initially & swap-outs)										
SSE type and SN										
PRESS SN										
TEMP 1 & 2 SNS										
(USPTB&PFB) and (334 EMA)										
COND 1&2 SNS										
(334 FME) and (332 EMA)										
FLUOR SN										
02 (SSE43) SN										
430804 and 431501 - EMA										
INSTRUMENTS SN										
PRR SN										
SSE433771 (02 amp 002) EMA										
D2 SSE42SN										
NA										

VESSEL Bristol Explorer		PROJECT & LEG (If needed) Arctic EIS leg 3		CTD FileName (No need if data is live feed)		STATION NO. 165	
CTD consec CAST #		DEG MIN	DEG MIN	DAY MO YR	HR MIN	Temp (°C) (°F)	WIND SPD. (kts) (m)
10	R	60	24.97	N	164	00.18	24
Sensor IDs (Initially & swap-outs)							
SHE type and SN							
PRESS SN 911 - EMA							
775 - EMA							
TEMP 1 & 2 SNS (TOP2786 PREL) and (4394 EMA)							
COND 1&2 SNS (304 PMELL) and (45072 EMA)							
FLUOR SN W538-664P - EMA							
O2 (SBE54) SN 430804 and (331301 - EMA)							
Transmiss S/N 680 - EMA							
PAR SN SPDA-337 (log seq 0021) EMA							
O2 SBE42SN N/A							
Local Time (AKDT)							
1							
2							
3							
4							
5							
6							
7							
8							
9							
20							
472							
10							
30							
473							
11							
35							
12							
Nisk							
1							
2							
3							
4							
5							
6							
7							
8							
9							
20							
472							
10							
30							
473							
11							
35							
12							
Nisk							
1							
2							
3							
4							
5							
6							
7							
8							
9							
20							
472							
10							
30							
473							
11							
35							
12							
Nisk							
1							
2							
3							
4							
5							
6							
7							
8							
9							
20							
472							
10							
30							
473							
11							
35							
12							
Nisk							
1							
2							
3							
4							
5							
6							
7							
8							
9							
20							
472							
10							
30							
473							
11							
35							
12							
Nisk							
1							
2							
3							
4							
5							
6							
7							
8							
9							
20							
472							
10							
30							
473							
11							
35							
12							
Nisk							
1							
2							
3							
4							
5							
6							
7							
8							
9							
20							
472							
10							
30							
473							
11							
35							
12							
Nisk							

VESSEL
Bristol Explorer

PROJECT & LEG (if needed)
Arctic EIS leg 3

CTD File Name (No need if data is live feed)
20120810

STATION NO.

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not) Time	GMT	Temp (°C)	WIND SPD. (ktbs)	BOTTO M DEPTH (m)
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	
1105351.58N	16634.624W	28SEP12	1700	.						
Sensor IDs (Initially & swap-outs)										
SBE type and SN										
PRESS SN 775 - EMA										
TEMP 1 & 2 SNs (032786 PAREL) and (4384 EMA)										
COND 1&2 SNs (041486) and (43072 EMA)										
FLUOR SN W333-964P - EMA										
O2 (SBE-33) SN 430804 and 431301 - EMA										
THERMOM SN 680 - EMA										
PAR SN SPOA-337/dog amp (0221) EMA										
O2 SBE-428N NA										
Niskin										
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Pycnocline Depth =

Depth of FL max =

CTD MAX DEPTH =

Weather: *Grey skies. Clouds clearing. Calm seas*
COMMENT: Difficult conditions, factors that may affect measurements or aid processing

Acoustic Calibration No Water.