

VESSEL Bristol Explorer			CRUISE/E Arctic EIS Leg 6E1		PROJECT & LEG (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)	WIND D SPD. (kts)	BOTTO M DEPTH (m)									
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR											
00 366	32.	26N	165	59.61	W	08	Aug	12	1520	09.16									
Sensor IDs (Initially & swaps-outs)	Local Time (AKDT) 08 Aug 11 2018									CTD MAX DEPTH = 15									
See type and SN	Depth of FL max =																		
Press SN	775-EMA																		
TEMP 1.62 SN#	(032765-EMA) and (4394-EMA)																		
COND 362 SN#	(04-PHE) and (3307-EMA)																		
FLUOR SN#	WESSE-BIOP - EMA																		
O2/SBE59 SN#	4300M and 431301 - EMA																		
Transmiss SN#	5804-EMA																		
PAR SN#	SP043377(00489-0021) - EMA																		
O2 SBE23N	N/A																		
Weather:																			
COMMENT: Difficult conditions, factors that may affect measurements or aid processing																			
Slightly overcast, clear. ~ 4 ft swell.																			
Blank at 4th station.																			
Nisk #	1	2	3	4	5	6	7	8	9	10	11	12							
Depth (m)																			
Station																			
Temp (°C)																			
Salinity (psu)																			
Dissolved O2 (mg/l)																			
Transmiss (%)																			
PAR (μmol m⁻² s⁻¹)																			
Chlorophyll (µg m⁻³)																			
Depth (m)																			
Temp (°C)																			
Salinity (psu)																			
Dissolved O2 (mg/l)																			
Transmiss (%)																			
PAR (μmol m⁻² s⁻¹)																			
Chlorophyll (µg m⁻³)																			
Nisk #	1	2	3	4	5	6	7	8	9	10	11	12							

VESSEL Bristol Explorer		PROJECT & LEG (if needed) Arctic EIS leg BE1		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)	WIN D SPD. (m)	BOTTO M DEPTH (m)			
DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	DEPTH (m)		
00	46	00	.02	N	16	10	.06	W	09	AUG 12 2009	39
Sensor IDs (initially & swap-outs)										Depth of FL max =	
See type and SN										Pycnocline Depth	
PRESS SN: 775 - EMA										Weather: Overcast, seas 1-5 ft.	
TEMP 142 SN: 4002706 (RHE) and 4394 (EM)										COMMENT: Difficult conditions, factors that may affect measurements or aid processing	
COND 142 SN: (RHE) and (AS92 EMA)										N/A	
FLUOR SN: 4088909P (EMA)										N/A	
O2 (SBE38) SN: 430004 and A5130 - EMA										N/A	
THERMOM SN: 680 - EMA										N/A	
PAR SN: 380A3716 and 10011 EMA										N/A	
DO SPACEN SN: N/A										N/A	
Nisk #										Nisk #	
1										1	
2	0	7	37							2	
3	10	31	40			250	250	250	250	3	
4	26	30	40			250	250	250	250	4	
5										5	
6										6	
7										7	
8										8	
9	20	24	40			250	250	250	250	9	
10	44	26	40			250	250	250	250	10	
11	35	26	40			250	250	250	250	11	
12										12	

VESSEL
Bristol Explorer

PROJECT & LEG (if needed)
Arctic EIS leg B/E/

CTD File Name (No need if data is live feed)
201208014

STATION NO.
026

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	(m)
01	46	54	168	26	11	W	12	45	120334	6.5
02	46	54	168	26	11	W	12	45	120334	6.5
03	46	54	168	26	11	W	12	45	120334	6.5
04	46	54	168	26	11	W	12	45	120334	6.5
05	46	54	168	26	11	W	12	45	120334	6.5
06	46	54	168	26	11	W	12	45	120334	6.5
07	46	54	168	26	11	W	12	45	120334	6.5
08	46	54	168	26	11	W	12	45	120334	6.5
09	46	54	168	26	11	W	12	45	120334	6.5
10	46	54	168	26	11	W	12	45	120334	6.5
11	46	54	168	26	11	W	12	45	120334	6.5
12	46	54	168	26	11	W	12	45	120334	6.5

VESSEL Bristol Explorer		PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)		STATION NO. 023	
CTD consec CAST #	LATITUDE	LONGITUDE	GMT (note if not)	GMT	Temp (°C)	WIN D SPD.	BOTTO M DEPTH
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(kts)	(m)
015	68 00	167 10 . 21W	12 Aug 12	1657	2.3		56
Sensor/IDS (initially 6 snapshots)		Local Time (AKDT)	12 Aug 12	0857			CTD MAX. DEPTH = 50
RELEVE SN	1831-EM						
WEATHER SN	1551-EM						
TEMP 1448 SN	(18926 CTD) and (4394 EMW)						
COND 1448 SN	(304 PACE) and (4307 EMW)						
FLUOR SN	MESS-994P-EMW						
OR/SEAB SN	45004 and 45130-EMW						
TRANSMI SN	690-EMW						
WT SN	SPRASST/Log amp (021)EMW						
PRES/SON	NA						
Nisk #							Nisk #
1							1
2	0	15	69	250			2
3	10	68	250	250			3
4	20	67	250	250			4
5							5
6							6
7							7
8							8
9	30	66	250	250			9
10	40	65	250	250			10
11	50	64	250	250			11
12							12

VESSEL Bristol Explorer		PROJECT & LEG (If needed) Arctic EIS leg B/E		CTD File Name (No need if data is live feed) 201206020		STATION NO. 038					
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp ("C")	WIN D SPD. (m)	BOTTO M DEPTH (m)			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	SPD. (m)	CTD MAX DEPTH = 40
0 2 0	68 59	16 07	14	Aug	12	16	13	8	4	20	
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)	14	Au	21	08	13				
BEI 1000 SN	0.11 EMU										
PRESS SN	775 - EMU										
IMP 1&2 SNs	(DP2705 PWE1) and (K34 EMU)										
ORD 1&2 SNs	(304-PWE1) and (K34 EMU)										
BLOR SN	WSSS-9912 - EMU										
O2/SBE-19 SN	43001 and A31301 - EMU										
Transom SN	600 - EMU										
PAR SN	SOLO-377 (log amp D2) - EMU										
O2/SBE25N	NA										
Nisk #		Depth of FL max = ~16cm, light									
1											
2											
3	0	96/101				250					
4	10	151/100				250	250	250	250		
5											
6											
7											
8											
9	20	94/91				250					
10	30	93/90				250					
11	40	20	92/92			250					
12											

Weather: Overcast, southwesterly seas, ~ 7-8 ft.

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

Duplicate Nutrients

Blows off this station

Nisk #

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg BEI

File Name (No need if data is live feed)
267205

STATION NO.
041

CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT Time	Temp (°C)	W.E. (kts)	WIN D SPD.	BOTTOM M DEPTH	(m)
	DEG	MIN.	DEG	MIN.	DAY	MO	YR	HR	MIN			
021	68	56.78	168	39.43	14	Aug	12	23	01	6.7	30	51
Sensor IDs (initially & swap-outs)												
See log pg 81												
PRESS SN												
EMR 1&2 EMU												
CDW 1&2 EMU												
LJ003 EMU												
MESSENGER EMU												
021(SBE43) SN												
Instrument SN												
PARSONS												
O2 SBE43 SN												
Nisk #												
1												
2	0		21	107								
3	10		106	500				250				
4	20		105	500				250				
5												
6												
7												
8												
9	30		104	850				250				
10	40		103	250								
11	45		102	250								
12												

Local Time (AKDT) 14 Aug 12 1501

Depth of FL max = 15m
Depth of FL max = 15m

CTD MAX DEPTH = 45

Weather: Overcast Min seas 6-8 ft.

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

VESSEL
Bristol Explorer

PROJECT & LEG (if needed) CTD File Name (No need if data is live feed)
Arctic EIS leg 8E 2012-08-023

540

VESSEL Bristol Explorer		PROJECT & LEG (if needed) Arctic EIS leg 3E1		CTD File Name (No need if data is live feed) 2012_08_026		STATION NO. 050	
CTD cast CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not) GMT Time	Temp (°C)	WIN D SPD.	BOTTO M DEPTH
	DEG MIN	DEG MIN	DAY	MO YR HR MIN	(°C)	SPD (kt)	(m)
0 2 0	70 00 . 09 N	164 08 . 14 W	17	12 14 59	7.6	10	32
Sensor IDs (Initially & swap-outs)	Local Time (AKDT)		Pycnocline Depth =		Depth of FL max = ~10m		
PRESS SN	911-EM4		Weather: Cloudy, 4-6 m ~ 1-2 ft.		CTD MAX. DEPTH = 25		
TEAR 142 SN	(4392706 EM4) and (4394 EM4)		COMMENT: Difficult conditions, factors that may affect measurements or aid processing				
COND 142 SNA	(3047446) and (43972 EM4)						
FLICK SN	WES8-694P - EM4						
2010844 SN	430004 and 431301 - EM4						
INSTRUMEN SN	EM4 - EM4						
PAR SN	SP01, SP17 (log amp 002) - EM4						
QC SBE2SN	N/A						
Nisk #	DEPTH	TEMP	TIME	TIME	DEPTH	TIME	TIME
1							
2							
3							
4	0	13.6/10					
5							
6							
7							
8							
9	10	13.2/13			12.5	12.5	9.30
10	20	13.4/13			250		
11	25	13.6/13			250		
12							

VESSEL Bristol Explorer		PROJECT & LEG (if needed) Arctic EIS leg R/E/		CTD FileName (No need if data is live feed) J201208037		STATION NO. C6 /			
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not) GMT Time	Temp ("C)	WIN D SPD.	BOTTO M DEPTH		
	DEG MIN	DEG MIN	DAY	MO	HR MIN	(Kts)	(m)		
031	70 30 . 03 N	167 00 . 37 W	19	Aug	12 02	15.5	05		
Sensor IDs (Initially & swap-outs)		Local Time (AKDT)	18	Aug	12 18	Depth of FL max = ~37m			
REASON	WINDY		Pycnocline Depth = 0-10m		CTD MAX DEPTH = 45				
TEMP 1-2 9.6	(0.2768888888888889) EMA		Weather: Overcast						
CWD 142.595	(34.84666666666667) EMA		COMMENT: Difficult conditions, factors that may affect measurements or aid processing						
FLOOR SN	WSE-B001-EUA								
DO (SPEA) SN	43004-000001-EUA								
INTERFACER SN	9007-EUA								
AR SN	SPEA-SURVEY-0002-EUA								
Q2 SPEAKER SN	WU								
Nisk #	Depth	Temp	Salinity	Conductivity	Dissolved O2	Pressure	Nisk #		
1							1		
2	0	31	76/12			* 250	2		
3	10		135/KI			* 250	3		
4	20		144/160			* 250	4		
5							5		
6							6		
7							7		
8							8		
9	30	132/135				* 250	9		
10	40	R2/14				* 250	10		
11	45	111/171				* 250	11		
12							12		

VESSEL
Bristol Explorer

Cruise ID:
Arctic EIS leg
3E1

PROJECT & LEG (if needed)
CTD File Name (No need if data is live feed)

201208033

STATION NO.
068

CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE	(note if not)	GMT Time	Temp (°C)	WIND SPD (kt)	WIND DIR (deg)	BOTTO M DEPTH (m)	PROJECT & LEG (if needed)		CTD File Name (No need if data is live feed)	STATION NO.							
										DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	WIND DIR (deg)		
033	70 30 .0	116 40 00 .33	1/6 20 Aug 12 00		15	7.0														
Sensor IDs (initially & swap-outs)																				
Sea level SN	911-EM4																			
WATER SN	775-EM4																			
TEP1,42 SN	(427765 PREL) and (4294 EM4)																			
COND 142 SN	(344 PREL and (43072 EM4))																			
AUOR SN	42935-EM4																			
2218847 SN	43004 and 43130 -EM4																			
Temperature SN	880 -EM4																			
PRESN	SP04-337(presamp 002) EM4																			
DEPTH/DESN	2,NA																			
Nisk #																				
1																			1	
2																			2	
3	0	33 147/602				X 250													3	
4	10	16/21	250	250	X 125	X 105													4	
5																			5	
6																			6	
7																			7	
8																			8	
9	20	157/200				X 125													9	
10	30	164/119				X 250													10	
11	40	152/148				X 250													11	
12																			12	

Local Time (AKDT) 12 Aug 12 16
Pycnocline Depth ~24-25m
Depth of FL max = ~8-14m

Weather: Sunny, Clear

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

**VESSEL
Bristol Explorer**

PROJECT & LEG (if needed)
Arctic EIS leg
AEI

20120603

0473

CTD consec CAST #	LATITUDE			LONGITUDE			GMT DATE (rate if not)	GMT Time	Temp ("C) ("F)	RH (%)	D SPD. (kts)	WIN D SPD. (m)	BOTTO M DEPTH (m)	STATION NO.
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN					
C 35 40 30 . 00 N	16	10	21	00	20	00	12	19	58	9	.4	5	25	0473

Sensor IDs (initially & swap-outs)

Local Time (AKDT)

Pyrocline Depth= ~10m

m

Depth of FL max = 16m

CTD MAX. DEPTH = 20

PRESSURE

m

atm

psi

dbar

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

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mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

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inH2O

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mmH2O

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psi

inH2O

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mmH2O

dbar

inH2O

mmH2O

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psi

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dbar

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mmH2O

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mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

mmH2O

dbar

inH2O

mmH2O

psi

inHg

mmHg

mb

bars

psi

inH2O

