			5									
VESSEL Oscar Dy	VESSEL Oscar Dyson 2014		CRUISE ID			PROJECT & LEG (BASIS leg	LEG (if needed)	ded)	CTD FileNa	ame (None if o	CTD FileName (None if data is live feed)	
CTD consec		LATITUDE		LONGITUDE	GMT DATE	(note if not)	GMT not) Time	Surf	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
4	DEG	MIN	DEG	MIN	DAY	MO	YR HR	MZ	(°C)	(m)		
140	9.5	29.79 N	169	00,72	w 05	SEP	1 4 22	94		401	26	
Sensor ID	S (initially 8	Sensor IDS (initially & swap-outs)		Weather:								CTD MAX. DEPTH
SBE type and S/N												47
PRESS S/N				COMMENT: DI	Difficult conditions,		factors that may		affect measurements		or aid processing	
TEMP 1 &2 SNs												
COND 1&2 S/Ns												
FLUOR S/N	Ĩ											
02 (SBE43) S/N	Ĩ											
Transmiss S/N	Ĩ											
PAR S/N	Î											
Nick #	DEPTH	Rosette Notes	Нус	Hydro Team-PMEL	GFF		GFF dup vol		1,		Comments or other	7
Talon ii	DESIRED		SALT Btl	Nut.Btl Oxygen	vol	Vol		vol (large)	e)		samples	#
1 R	RTM		306 -	4						 		
2	54		307	-								2
3	50		805		095×	90	X do					з
4	46		309		×					B		4
5	30		310		×							5
6 7	10		311		×	\ X ℃	90					6
7	0		312	4	×	→ ✓	Po					7
∞	٥		313 -	7 100	X ZOo	90						8
9												9
10												10
11	Inline		469		×	C90						11
12								4				12

VESSEL Oscar Dyson 2014		CRUISE ID	86hI		<u> </u>	PROJECT & BASIS leg) EG	(if needed)	ª	CTD FileN	CTD FileName (None if data is live feed)	data is live fe	一 点
CTD consec				0	GMT		O.	GMT			воттом	STATION	
CAST#	LATITUDE	1_	LONGITUDE) A -	(note if not)		-	+	Surface Lemp	ער די	NOMBEX	- 1
95 440	700	48	00 00		09	TI 8	`	02 40	0	3	80	4	
				-	-		ļ						
Sensor IDS (Initial	(initially & swap-outs)		weather:										_
SBE type and S/N													1
PRESS S/N			COMMENT:		Difficult conditions,	tions, fac	factors th	at may	affect	measurem	hat may affect measurements or aid processing	rocessing	
TEMP 1 &2 SNs													
COND 1&2 S/Ns													
FLUOR S/N													
02 (SBE43) S/N											H		
Transmiss S/N													
PAR S/N													
OZ SBE4ZS/N													
DEPTH	Rosette Notes	Нус	Hydro Team-PMEL	IEL	GFF	>10 Large	_	GEF dup voi	>10 dup	dp		Comments or other	- r-1
DESIRED		SALT Btl	Nut.Btl C	Oxygen	<u>80</u>	Vol	1	1	vol (large)	'ge)		samples	и Ф
1 8+29			71Y	401									
2 100								200	70.00			1000	
3 #													
4 50			315		X-290								
5 40			316		×						U.		
6 30		III	415		ヤ 一				7				
7 70			812		て	X	042						
8 10			318		$\times \psi$	\times	290		×	005			
		158	ı		042 X								
			5 . II										

VESSEI			CRUISE ID			P	PROJECT &	LEG (if needed)	CTD File	CTD FileName (None if data is live feed)	fata is live feed	
Oscar Dyson 2014	on 2014		W	1408		B.	BASIS leg_	- P	100000,				
CTD consec		ATITUDE		LONGITUDE		GMT DATE	(note if not)	rot) GMT	ō ⊣	Surface Temp	BOTTOM DEPTH	STATION	STN. NAME/ID
	DEG	MIN	DEG	MIN		DAY	МО		R MIN	-	(m)		
Sho	华	N 06,62	169	16.65	٧	06 5	ep.	1 4 14	154		1 T	00	
Sensor IDS	(initially 8	Sensor IDS (initially & swap-outs)		Weather:								II C	CTD MAX. DEPTH
SBE type and S/N													67
PRESS S/N				COMMENT:		Difficult conditions,	ions, fac	factors tha	t may af	at may affect measurements	악	aid processing	
TEMP 1 &2 SNs						ļ							
COND 1&2 S/Ns													
FLUOR S/N													
02 (SBE43) S/N													
Transmiss S/N	1												
PAR S/N	Ï												
Nick #	DEPTH	Rosette Notes	Ну	Hydro Team-PMEL	F	GFF	>10 Large		GFF dup vol	>10 dup		Comments or other	r other Nisk
	DESIRED		SALT Btl	Nut.Btl 0:	Oxygen	VO.	S _O		╙	voi (large)		samples	
1 R+M	8			122									
2 50				222		× 290							2
3 40	,			48 8		<i>X</i>							ω
4 30				324		X							4
5 70				\$28		×	oliz X	3					5
6 10				226		X	X	29v					o
7 8				478	18	X do							7
8						0.00				CONTRACTOR			σ.
9													9
10		1									ıń.		10
11													11
12													12

1 10	10		ဖ	σ	7	1	ത	υ	4	ω	2	_		Zio k	02 SBE42S/N	PAR S/N	Transmiss S/N	O2 (SBE	FLUOR S/N	COND 1	TEMP 1	PRESS S/N	SBE typ	Sen	٤		CTC	VESSEL Oscar I
THE PROPERTY OF THE PARTY OF THE PARTY.	Saline					3	10	20	540	e 0	20	Btm			:42S/N	~	ss S/N	02 (SBE43) S/N	S/N	COND 1&2 S/Ns	TEMP 1 &2 SNs	S/N		Sensor IDS (ii	7 2		CTD consec	VESSEL Oscar Dyson 2014
													DESIRED	DEPTH										nitially &	£5	DEG	r L	2014
														Rosette Notes										(initially & swap-outs)	26	MIN	LATITUDE	
CONTRACTOR OF THE PROPERTY OF												159	SALT Btl	Ŧ											891	DEG		CRUISE ID
The state of the s						320	335	352	331	330	329	328	Nut.Btl	Hydro Team-PMEL								СОММЕ		Weather:	D1. 21	MIN	LONGITUDE	
The state of the s		d										150	Oxygen	PMEL								NT: Diffi			W	z	ĬĦ	
de la companyante	×				NEW Y	X	×	×	X	+	× 40		VO.	GFF								COMMENT: Difficult conditions, factors			06	DAY	GMT DATE	
CAD CALCASTON CO.	SAC						×	×					<u> </u>	>10 Large								itions, fa			Sep	MO	(note if not)	PROJECT & LEG
				-1-			ENO.	240					-					x							1 4	₹		
2Noosald curoosassex						962 X	iwezaszaniem						1	GFF dun vol								hat may			50.22	ĦR ≪	GMT Time	(if needed)
							CONT. Procedure						vol (large)	>10 dup								affect m				Z Z	Sun	
Children and Children and Children													e)		-							easureme				(°C)	Surface Temp	CTD FileN
										I.												that may affect measurements or aid processing			14	(m)	BOTTOM DEPTH	arne (None if
													samples	Comments or other								rocessing					STATION NUMBER	CTD FileName (None if data is live feed)
CANADO O O O O O O O O O O O O O O O O O O													8										59	=	2		STN. NAME/ID	- ä.
<u>}</u>	11	6	9	_∞			<u>ი</u>	51	4	ω	2		#	Nisk										<u> </u>			<u> </u>	

	USCAL DASON 2014		フンスの×	×		lB/	BASIS leg	7					
				(-							
CTD consec		ATITUDE		LONGITUDE		GMT DATE	(note if not)	GMT		Surface Temp	BOTTOM DEPTH	STATION	STN. NAME/ID
	DEG	M N N	DEG	MIN		DAY	MO		MIN N	(0°)	(m)		
5h	58	00.51 N	491	59,20	×	5 40	7	4 0 1	20		83		700
Consor Inc	e (initially &	ewan-oute)		Weather:								II 0	CTD MAX. DEPTH
SBE type and S/N													29
PRESS S/N		36		COMMENT:		Difficult conditions,		factors that	may affe	hat may affect measurements or aid processing	nts or aid pr	ocessing	
TEMP 1 &2 SNs	1	Sui	1	C000 H		13/00	5		Y				
COND 182 S/Ns		/											
FLUOR S/N	Ĩ	/											
02 (SBE43) S/N	Ĩ	/											
Transmiss S/N	l	\											
PAR S/N	1												
									1				
Nick #	DEPTH	Rosette Notes	н	Hydro Team-PMEL	IEL	GFF	>10 Large	GFF dun vol	_	>10 dup		Comments or other	rother Nisk
1000	DESIRED		SALT Btl	Nut.Btl C	Oxygen	<u>√</u> 0	Yo	-	₩—	vol (large)		samples	
1	N/m			335									
2 5	50		100000000000000000000000000000000000000	336		7 290							2
3	40			337		ン 一							ω
4 3	O			258		X							4
5 70	0			653		X	× 290	90					5
6 [0	0			340		メ↓	7 7	582	~	X			6
7 0)			348	161	× 790	2 0						7
∞	000000000000000000000000000000000000000	100				- III COLON PROPERTY NAMED TO SERVICE AND	0.000		200	CONTRACTOR			œ
9						D.							9
10	Blook					X tho							10
11						46 H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Solution and the second se					11
							The second second						10

VESSEL Oscar Dy	VESSEL Oscar Dyson 2014	1,000	CRUISE ID	801		B. P.	PROJECT &	LEG (if needed)	ed)	CTD FileNa	CTD FileName (None if data is live feed)	data is live fee	(pe
OTD cons	3					GMT	×.	GMT	7		воттом	STATION	STN.
CAST #		LATITUDE	_	LONGITUDE		DATE	(note if not)	not) Time	Surf	Surface Temp	DEPTH	NUMBER	NAME/ID
	DEG	MZ	DEG	MIN		DAY	MO	품	MIN	(°C)	(m)		00
44	35	00. 18 N	166	54 65	٧	5 40	c P 1	4 14 3	+		b4		
Sensor IDS	OS (initially &	& swap-outs)		Weather:									CTD MAX. DEPTH
SBE type and S/N													8.5
PRESS S/N	h	•		COMMENT:		ılt condit	Difficult conditions, factors t	tors that may	affect m	easureme	hat may affect measurements or aid processing	rocessing	
TEMP 1 &2 SNs	5	C. Yr W											
COND 1&2 S/Ns	'												
FLUOR S/N		\											
02 (SBE43) S/N	Ī	_											
Transmiss S/N	ĺ	/											
PAR S/N	Ĩ	\											
#	DEPTH	Rosette Notes	Ну	Hydro Team-PMEL	WEL	GFF	>10 Large	GEF dim vol	>10 dup			Comments or other	\overline{z}
1	DESIRED		SALT Btl	Nut.Btl	Oxygen	vol	Vol	_	vol (large)			samples	es #
1	1307			342	188								_
2	50			343		290							2
3	40			344		062							з
4	30			345		290							4
Si .	02			348		082	062						5
6	a			₹ 4 ¥		290	290						6
7	10		160	34 8		000							7
∞	000000000000000000000000000000000000000				Series and the series are the series and the series are the series and the series are the series and the series and the series are the series and the series	Tiphocake excitoration			1000	000000000000000000000000000000000000000		000000000000000000000000000000000000000	3
9													9 (
10													10
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C - C - C - C - C - C - C - C - C - C -		SALIDOR STORY CARDON STATES								100			12

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VESSEL Oscar Dyson 2014	on 2014		CRUISE ID			PR BA	PROJECT &	& LEG (if needed)	ded)	CTD FileNa	ame (None if o	CTD FileName (None if data is live feed)	(b <u>č</u>
									(*)				
CTD consec	<u></u>	LATITUDE	- E	LONGITUDE	୭ ଜ	GMT DATE	(note if not)	GMT Time	Su	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	S Z	DEG	MIN		DAY	MO		MIN	(°C)	(m)		
th	85	30.35 N	491	01.30	W	5 40	0	4 21	4 5		46		90
Sensor IDS	(initially 8	(initially & swap-outs)		Weather:									CTD MAX. DEPTH
SBE type and S/N			\										148
PRESS S/N	1			COMMENT:		t conditi	Difficult conditions, factors		ıy affect ı	neasureme	that may affect measurements or aid processing	rocessing	
TEMP 1 &2 SNs	,	and /		ohly	7	60	60465,	Chullow		+ rough	5 seus		
COND 1&2 S/Ns	5	~ m ~ /											
FLUOR S/N		\											
02 (SBE43) S/N		\											
Transmiss S/N	ĺ												
PAR S/N	1												
	+								İ	1			
# 15:11	DEPTH	Rosette Notes	Нус	Hydro Team-PMEL	, -	GFF	>10 Large	GEE dim vol	10 dup	lp		Comments or other	7
Nisk #	DESIRED		SALT Btl		Oxygen	<u>8</u>	Vol	200	vol (large)	ge)		samples	es #
WtSI 1	3			BAB		280		062				MUX depts	1 1/5
2 30	ě			350		290							2
				(.5,2		062	290						ω
4 10				552		290	290						4
5 0				353	14 CF	062					1		5
6		# 00 and 5 (0 20 0 0 m) 100 - 1 # 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											6
7 Inline	r											82,2	my/c 7
8													8
9													9
10													10
11													11
12													12

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0 <	/ESSEL	VESSEL Oscar Dyson 2014		CRUISE ID	80		- T	PROJECT & L	LEG (if needed)	ded)	CTD FileNa	ame (None if d	CTD FileName (None if data is live feed)	J)
	CTD consec			13							1	воттом	STATION	STN.
	5	DEG	MIN	DEG L	MIN		DAY	MO YR	YR HR	Z Z	(°C)	(m)		
	34	58	\sim	431 N	59.92	< -	5 80	e 1 1	,	38		45		16
	Sensor II	OS (initially	Sensor IDS (initially & swap-outs)	-	Weather:								" C	CTD MAX. DEPTH
<u>o 1</u>	SBE type and S/N	-	,											45
70	PRESS S/N) _*	20/	V .	COMMENT:		Difficult conditions,		ors that ma	ay affect	factors that may affect measurements or aid processing	nts or aid pr	ocessing	
4	TEMP 1 &2 SNs	7												
10	COND 182 S/Ns	1	\											
71	FLUOR S/N	ĺ	\											
1 0	02 (SBE43) S/N	I												
/	DAD CIN	7												
/	02 SBE42S/N	/											5	
, II	Wist #	DEPTH	Rosette Notes	Ну	Hydro Team-PMEL	ÆL	GFF	>10 Large	GEF dim vol	>10 dup	dup		Comments or other	rother Nisk
	1000	DESIRED		SALT Btl	Nut.Btl (Oxygen	VO	Vol	1	vol (large)	arge)		samples	
	1	24%		191	354	541*	a62						45m	
	2	40			355		290							2
	ω	30			356		240					ŧ		u
	4	20			458		062	290						4
	5 l	0			358		290	962	() ()	290		ŀ		CJI
	6	0			458		290		A					6
	7							531						7
	8		ST. TOO OF TOO ON THE PARTY OF	000000000000000000000000000000000000000	THE CONTROL OF THE CO	1000	2020/2020/2020/2020		0.000		STOREST STREET			8
-	9													9
	10													10
T .	11													11
F	12													12

VESSEL Oscar Dyson 2014	on 2014		CRUISE ID				PROJECT BASIS leg_	% LEG	(if needed)	ed)	CTD FileN	CTD FileName (None if data is live feed)	data is live fe
CTD consec		1 1 1				GMT	(note if not)		GMT		Surface Temp	BOTTOM	STATION
9	DEG.	MIN	DEG	MIN		DAY	MO		Ŧ.	Z	(°C)	(m)	
pho	28	N 61.00	7	59. 45	V	80	5 E P	1 4	14 3	8		かん	8 8
				•									
Sensor IDS	(initially &	& swap-outs)		Weather:									
SBE type and S/N													
PRESS S/N	ĺ			COMMENT:		Difficult conditions,		factors t	hat may	/ affec	hat may affect measurements or aid processing	nts or aid p	rocessin
TEMP 1 &2 SNs				Cocol	COCOlithaphore	· 5100m	3						
COND 1&2 S/Ns													
FLUOR S/N													
02 (SBE43) S/N													
Transmiss S/N	ĺ												
PAR S/N	Ĩ												
Nick #	DEPTH	Rosette Notes	Ну	Hydro Team-PMEL	Ë	GFF	>10 Large	ge GF	F dun vol	_	>10 dup		Comments or other
	DESIRED		SALT Btl	Nut.Btl Ox	Oxygen	<u> </u>	Vol	<u> </u>		_	voi (large)		samples
1 BOH		-		360									
2 50	7			361			000000				200 T 000 T	000000000000000000000000000000000000000	
3 40				362					! ! ! !			i	
4 3º				363									
5 20				1998									
6 lv		1		345					5	1 200000			0.0000000000000000000000000000000000000
7 0				995	49								
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VESSEL Oscar Dy	VESSEL Oscar Dyson 2014		CRUISE ID	Sapir		B P	PROJECT & LEG	LEG (if needed)		CTD FileN	CTD FileName (None if data is live feed)	
CTD consec		LATITUDE	_	LONGITUDE		GMT DATE	(note if not)	ot) GMT	Surl	Surface Temp		BOTTOM DEPTH
!	DEG	MIN	DEG	S Z		DAY	MO	五	Z	(°C)		(m)
20	85	29.56 N	-	65.00	<	5	C P 1	4 20	14			59
Sensor IDS	S (initially &	& swap-outs)		Weather:								
SBE type and S/N												
PRESS S/N				COMMENT:		Difficult conditions,		factors that may	affect m	easureme	اجا	hat may affect measurements or aid processing
TEMP 1 &2 SNs	ĺĺ			54								
COND 1&2 S/Ns	1 1											
FLUOR S/N	1		-									
02 (SBE43) S/N	ì											
Transmiss S/N	Ĭ											
02 SBE42S/N	1 1											
Ni	DEPTH	Rosette Notes	Ну	Hydro Team-PMEL	VEL	GFF	>10 Large	GEE dun vol	>10 dup	<u> </u>		
T T T T T T T T T T T T T T T T T T T	DESIRED		SALT Btl	Nut.Btl (Oxygen	vol	Vol	()		(e)		
1 B	Bth			498	212							
2	50			368		290						
	40			369								
4 3	30			of §								
5 Vo	σ			145			290				-	
6	10			445		4	290					
7	Ø			848		cbs		082				
∞												
9											\vdash	
10 th line	ine					290						
<u></u>											-	
							THE RESERVE AND ADDRESS OF THE PARTY OF THE				3	