T, 5.

PROJECT & LEG (if needed)
NBS leg SECM CTD FileName (None if data is live feed) VESSEL CRUISE ID Northwest Explorer 2016 164420010 SECH STATION STN. **BOTTOM** GMT CTD consec **DEPTH** NUMBER NAME/ID DATE (note if not) GMT Surface Temp LONGITUDE Time CAST # LATITUDE 18A HR MIN (°C) (m) 20010 DEG DEG MIN DAY YR MIN 13,309 31.882 50 135 106 m CTD MAX. DEPTH = Weather: Sensor IDS (initially & swap-outs) 58F25 KN SBE type and S/N 0516 COMMENT: Difficult conditions, factors that may affect measurements or aid processing PRESS S/N Bottles 809 didn't five, fack Scrface bucket 5572 TEMP 1 &2 SNs 4335 COND 182 S/Ns 14535-934P FLUOR S/N 02 (SRE43) SA Bongo file: BON20010NW1601 CST- 690 PR Transmiss S/N SPQA-3352 PAR S/N (LARRY + NBSTrans

12

	DEPTH	Rosette Notes	Ну	dro Team	GFF	>10 Large	GFF dup vol	>10 dup vol (large)	Phyto	Comments or other	Nisk
Nisk#	DESIRED	Bollet	SALT BII	Nut.Btl	vol	Vol	GFF dup voi	(large)	preserve	samples	#
1	0	9	178	20 (2)	250		- 1			Didn't fine Dan't fine	1
2	40-	8 :	SUF		##					Dan't five	2
3	20	3		」ユ	250	1					3
4	32	3		3	 250		1				4
5	80			4	 1920.0	<u> </u>					5
6								Se.			6
7										 	7
8					 						8
9										 	9
10			12.								10
11	la l									Ш	11
12											12

							_								
vessel Northw	est Explorer 2	016	CRUISE II	16 NW	01	P	ROJECT & LI	G (if ne	eeded)			me (None if dat		-	
CTD co		LATITUDE		LONGITUDE	:	GMT DATE	(note if i	not) GN	чт	Time	Surface Temp	BOTTOM DEPTH	STATION NUMBER	ST NAM	
!	DEG	MIN	DEG	MIN	1	DAY	МО	YR	HR	MIN	(°C)	(m)	10011)	2	B
2	58	14,201	N 135	28.4	156 W	25 3	SUN.	8	7:45	pm		1195			
Sensor	IDS (initially &	swap-outs)		Weather:	_				1.1					CTD MAX.	DEPTH =
SBE type and	5/N			П										19	4
PRESS S/N		10	17	COMMEN	T: Difficult	conditions	, factors th	at may a	affect me	easur	ements or aid p	rocessing			
TEMP 1 82 SN	ls	311 Qa	ae 1	Repr	ogramm	ed loc	Hie C	ارو	10 50	اور	1,2,3	8.9 205	sitions. T	x cor	
COND 182 S/N	łs		<u>.</u>												
FLUOR S/N				¥ -	- Compu	der bas	ed rem	de s	i iirinol	20	esnil was	rk Cor b	offles 8	4.9	
02 (S8E43) S/I	N			/		-use	_dock	Unc	F (2)	<u></u>	osnil ux				
Transmiss S/N	_														
PAR S/N					BON	200111	101601	<u> </u>							
O2 S8E42S/N				_											
	DEPTH	Rosette Notes		lydro Team		GFF	>10 Large		J-12	>10	dup vol Phyto		Comments	or other	Nisk
Nisk#	DESIRED		SALT Bit	Nut.Btl	JH ==	vol	Vol	GFF	dup vol		arge) preserve		sample		#
1	0	9		5		250	1					İ			1
2	ľŌ	8		6		250					V				2
3	20	3		7		250									3
4	30	3		පි		250									4
5	195			9											5
6															6
7															7
8															8
9										ļ					9
10										_				4	10
11										ļ					11
12							-	-							12

VESSEL Northw	est Explor	er 201	6	CRUISE ID	N 1601			PROJECT & NBS leg	LEG (if	needed)			ne (None if data			
CTD co		L	ATITUDE		LONGITUDE		GMT DATE	(note i	f not)	GMT	Time	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STI NAME	
	DEG		MIN	DEG	MIN		DAY	МО	YR	HR	MIN	(°C)	(m)	20012	IS	
3	3 5	8	19.285	135	26.621	w	26	JUN	1 9	15	04		264			
Sensor	IDS (initial)	ly & swa	ap-outs)		Weather:										CTD MAX. DI	EPTH =
SBE type and S	SAN			11											200	2
PRESS S/N			Second	0.1	COMMENT: Diff	ficult	condition	s, factors t	hat ma	y affect n	neasur	ements or aid p	ocessing			
TEMP 1 82 SN	ls															
COND 182 S/N	ls .															
FLUOR S/N																
02 (SBE43) S/I					-									•		
Transmiss S/N					NOS,	700	2197	1001W	, <u>'</u> e							
PAR S/N		_			-				1.0	<u> </u>	1110	- A - C - X \	1 ~ 1=	0		
02 S8E42S/N					1				<u>π</u> Υ	10 100	77 1-E	only filt	NEO / IY	CO MUL		
	DEPT	пн	Rosette Notes	Ну	dro Team		GFF	>10 Larg	e ,	GFF dup voi	>10	dup vol Phyto	Lipid	Comments o	r other	Nisk
Nisk#	DESIR	(ED		SALT Bil	Nut.Btl		vol	Vol		arr dup vo	(1	arge) preserve	collection	sample	S	#
1	0		9		10		250)								1
2	10		8		11		250	,		250		√	1	7-14-rec+	in west	2
3	20	>	3		12		250)								3
4	30		2		13		250	<u> </u>								4
5	20	0		# 179	14										+	5
6				•				<u> </u>								6
7						*****										7
8																8
9					<u> </u>											9
10								-			\perp					10
11																11
12								*					į.			12

Seci - 4.8

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12

0 158%

VESSEL Northwest	Explorer 20	16	CRUISE ID	NW1601		PROJE NBS le	CT & LE	G (if need	ded)			ne (None if dat			Ÿ
CTD cons		LATITUDE		LONGITUDE	GMT DATI	(note if n	ot) GMT	· <u>1</u>	Time S	urface Temp	BOTTOM DEPTH	STATION NUMBER	STI	E/ID
	DEG	MIN	DEG	MIN	DA	r Mi		YR HE	R M	MIN	(°C)	(m)	20013	#2C	
4	58	16.264	N 135	23,806	w 20	, 50	N 1	9 19	5:45	5	77.70	221			
Sensor IDS	6 (initially & sv			Weather:										CTD MAX. DI	
SBE type and S/N		11 11												200	<u>ෙ</u>
PRESS S/N		See qu	ael	COMMENT: Diff	ficult cond	tions, fac	tors tha	t may aff	ect me	easurem	ents or aid pr	rocessing			
TEMP 1 &2 SNs			Ü												
COND 182 S/Ns										300					
FLUOR S/N															
02 (SBE43) S/N	, r <u>-</u>	VIII			0-1	a	-	11 0 1							
Transmiss S/N					KON	2001	3114	اعماد	\						
PAR S/N															
PAR 5/N 02 SBE425/N	DEPTH	Rosette Notes		lydro Team		FF >1	0 Large			>10 du	p vol Phyto		Comments		Nisk
PAR S/N	DEPTH DESIRED	Rosette Notes	SALT BU	Hydro Team			0 Large	GFF du		>10 du (larg			Comments sample		Nisk #
PAR 5/N 02 SBE425/N		Rosette Notes		1 1		FF >1	0 Large								
PAR S/N 02 SBE42S/N Nisk #	DESIRED			Nut.8ti	2	FF >1	0 Large								#
PAR S/N 02 SBE42S/N Nisk #	DESIRED	9		Nut.Btl	2 2	FF >1 ol Vo	0 Large								1
PAR S/N 02 SBE42S/N Nisk #	DESIRED 10 20	9		Nut.8tl	2 3	FF >1 ol Vo SG SO	0 Large								1 2
PAR S/N 02 SBE42S/N Nisk #	DESIRED \(\)	9 8		Nut.8tl 15 16 17	2 3	FF >1 Vo	0 Large								1 2 3
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4	DESIRED 10 20 30	9 8 3 2		Nut.Btl 15 16 17 18	2 3	FF >1 ol Vo SG SO	0 Large								1 2 3 4
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5	DESIRED 10 20 30	9 8 3 2		Nut.Btl 15 16 17 18	2 3	FF >1 ol Vo SG SO	0 Large								# 1 2 3 4 5
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6	DESIRED 10 20 30	9 8 3 2		Nut.Btl 15 16 17 18	2 3	FF >1 ol Vo SG SO	0 Large								# 1 2 3 4 5
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6 7	DESIRED 10 20 30	9 8 3 2		Nut.Btl 15 16 17 18	2 3	FF >1 ol Vo SG SO	0 Large								# 1 2 3 4 5 6 7
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6 7 8	DESIRED 10 20 30	9 8 3 2		Nut.Btl 15 16 17 18	2 3	FF >1 ol Vo SG SO	0 Large								# 1 2 3 4 5 6 7 8

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VESSEL Northwe	est Explo	orer 20	16	CRUISE ID りい	1601			ROJECT & LE		ed)			ne (None if dat		I	
CTD co CAST		l	LATITUDE		LONGITUDE	E _	GMT DATE	(note if I	not) GMT	т	ime Surfa	ice Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/II	D
_	DE	EG	MIN	DEG	Mil	N	DAY	МО	YR HR	M	IN	(°C)	(m)	'	·	
5		58	09,540	N 135	02.5	396 w	28 3	5UN 1	4 14	1:06	, 12.	6	144	20033	220	7
Sensor I	IDS (initia	ally & sw	vap-outs)		Weather:										CTD MAX. DEPTH	Н=
SBE type and S	S/N	_8													134	
PRESS S/N		11		//	COMMEN	IT: Difficult	conditions	, factors the	at may affe	ct mea	asurement	s or aid pr	ocessing		<u>,</u>	
TEMP 1 &2 SNs	ls		SILpo	ac1	5	حدد د	1.0	10	gut 9	6						
COND 142 S/N	ls	_		0	3m	I: 12/3	2: 3	410								_
FLUOR S/N																
02 (SBE43) S/N		· 			_											
Transmiss S/N													:			
Transmiss S/N PAR S/N													:		-	
Transmiss S/N															-	
Transmiss S/N PAR S/N 02 S8E42S/N		PTH	Rosette Notes	Н	ydro Team		GFF	>10 Large	CFT due		>10 dup vo	al Phyto		Comments or	r other N	Jisk
Transmiss S/N PAR S/N	DEI	EPTH SIRED	Rosette Notes	H ₁	ydro Team		GFF vol	>10 Large Vol	GFF dup	vol	>10 dup vo	Phyto preserve		Comments or sample:		Jisk #
Transmiss S/N PAR S/N 02 S8E42S/N	DEI	SIRED	Rosette Notes				TI .		GFF dup	o vol	-	-				#
Transmiss S/N PAR S/N 02 S8E42S/N Nisk #	DEI DES	SIRED	Rosette Notes	SALT Bil	Nut.Bil		vol		GFF dup	o vol	-	-			s 1	#
Transmiss S/N PAR S/N 02 SBE42S/N Nisk #	DES O	SIRED	Rosette Notes	SALT Bil	Nut.Btl		250		GFF dup	o vol	-	-			1 2	1
Transmiss S/N PAR S/N 02 SBE42S/N Nisk #	DES O	SIRED	Rosette Notes	SALT Bil	Nut.Bil 20		250 250		GFF dup) vol	-	-			s 1 2 3	1 2
Transmiss S/N PAR S/N 02 S8E42S/N Nisk #	DES DES O C Q Q Q Q	SIRED	Rosette Notes 9 8 3	SALT Bil	Nut.Bil 20 21 22		250 250 250		GFF dup	o vol	-	-			s 1 2 3 4	1 2 3
Transmiss S/N PAR S/N 02 S8E42S/N Nisk #	DES DES O C Q Q Q Q	SIRED	Resette Notes 9 8 3	SALT Bil	20 21 22 23		250 250 250		GFF clup	vol	-	-			3 4 5	1 2 3 4
Transmiss S/N PAR S/N 02 S8E42S/N Nisk # 1 2 3 4 5	DES DES O C Q Q Q Q	SIRED	Resette Notes 9 8 3	SALT Bil	20 21 22 23		250 250 250		GFF dup	o vol	-	-			3 4 5	# 1 2 3 4 5
Transmiss S/N PAR S/N 02 S8E42S/N Nisk # 1	DES DES O C Q Q Q Q	SIRED	Resette Notes 9 8 3	SALT Bil	20 21 22 23		250 250 250		GFF dup	o vol	-	-			5 1 2 3 3 4 5 5 6 6 7	# 1 2 3 4 5
Transmiss S/N PAR S/N 02 S8E42S/N Nisk # 1 2 3 4 5 6 7	DES DES O C Q Q Q Q	SIRED	Resette Notes 9 8 3	SALT Bil	20 21 22 23		250 250 250		GFF dup	o vol	-	-			5 1 2 3 3 4 5 5 6 6 7 7 8 8	# 1 2 3 4 5 6
Transmiss S/N PAR S/N 02 S8E42S/N Nisk # 1	DES DES O C Q Q Q Q	SIRED	Resette Notes 9 8 3	SALT Bil	20 21 22 23		250 250 250		GFF dup	o vol	-	-			5 1 2 3 3 4 4 5 5 6 6 7 7 8 8 9	# 1 2 3 4 5 6 7
Transmiss S/N PAR S/N 02 S8E42S/N Nisk # 1	DES DES O C Q Q Q Q	SIRED	Resette Notes 9 8 3	SALT Bil	20 21 22 23		250 250 250		GFF dup	o vol	-	-			5 1 2 3 4 4 5 5 6 6 7 7 8 8 9 9 1 1 1	# 1 2 3 4 5 6 7 8

VESSEL Northwe	est Explorer 2	016	CRUISE IC	NWIGO	(P	ROJECT & LEG	G (if i	needed)	, (ne (None if dat			
CTD cor	- 1	LATITUDE		LONGITUDE		GMT DATE	(note if n	ot)	GMT	Time	Surfac	e Temp	BOTTOM DEPTH	haul STATION NUMBER	ST NAMI	E/ID
	DEG	MIN	DEG	MIN		DAY	MO ,	YR	HR	MIN	(°C)	(m)	20023	\ <u>\</u>	_
6	58	07,942	N 135	03.82.	5 W	28 3	50 N 1	4	13:	34		A-C (C.)	150			
Sensor II	DS (initially & s	swap-outs)		Weather:											CTD MAX. D)EPTH =
SSE type and S/I	N													·	148	<u></u>
PRESS S/N	.1	(//		COMMENT:	Difficult	conditions	, factors tha	t may	y affect :	neasur	ements	or aid pr	ocessing			
TEMP 1 82 SNs		Su pad	He 1	Sec	ci: 4	.7	light	+:	36	/						
COND 182 S/Ns	_		9				J									
FLUOR S/N	<u></u>		8	3MT	: 1214	S: 8	レブル									
02 (SBE43) S/N																
Transmiss S/N																
PAR S/N																
02 SBE42S/N																
	DEPTH	Rosette Notes		Hydro Team		GFF	>10 Large			>10	dup vol	Phyto		Comments	or other	Nisk
Nisk#	DESIRED		SALT Btl	Nut.Btl		vol	Vol	GI	FF dup vo			preserve		sampl		#
1	0	9		25		250		İ		İ						1
2	10	8		26		250		1	g 50							2
3	20	3		27		250										3
4	25	a		28		850)									4
5	148	1		29		1		Ī								5
6																6
7								Τ								7
8						1										8
9																9
10																10
11																11
12																12

vessel <mark>Northwest Ex</mark>	plorer 20)16	CRUISE ID	w1601		PROJECT &			l)		me (None if da しゅいしん	ta is live feed)	
CTD consec CAST #		LATITUDE		LONGITUDE	GMT DATE	(note	if not)	GMT	Time	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN	DAY	мо	YR	HR	MIN	(°C)	(m)		
7	58	06,255	N 135	00.607	w 28	50 N	1 9	19:	49		140	20024	UUB
Sensor IDS (in	itially & s	wap-outs)		Weather:									CTD MAX. DEPTH =
SBE type and S/N												ı	125
PRESS S/N				COMMENT: Difficu	ılt conditi	ons, factors	that ma	y affect	t measur	ements or aid p	rocessing		
TEMP 1 &2 SNs				Seco	:: 5.	8	Li	aux	:37	0			
COND 182 S/Ns													
LUOR S/N		80		3m	7:125	S: 3	29.0	,					
02 (SBE43) S/N													
Transmiss S/N													
PAR S/N				bo	Han	depth	Char	gino	1 90	ickly:	15m 0	* + bot	on
					•		-		/ "		/	2 - 0 -	

N	DEPTH	Rosette Notes	Н	ydro Team	GFF	>10 Large	GFF dup vol	>10 dup vol (large)	Phyto		Comments or other	Nisk
Nisk#	DESIRED		SALT BU	Nut.Btl	vol	Võl	GIT GUP VOI	(large)	preserve	c '= i	samples	#
1	G	9		30	250							1
2	10	8		31	250		·					2
3	20	3		32	250							3
4	30	2		33	250							4
5	125		E181	34								5
6				_				,				6
7											·	7
8												8
9					<u> </u>							9
10								, ,				10
11												11
12						_						12

														<u> </u>	
VESSEL Northwest Ex	xplorer 20	16	CRUISE ID	سا درار	01		PROJECT & L	EG (i	f needed)		I	ne (None if data			÷
CTD consec CAST #		LATITUDE		LONGITUDE		GMT DATE	(note if	not)	GMT	Time	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STO	
	DEG	MIN	DEG	ШМ	١ .	DAY	мо	YR	HR I	MIN	(°C)	(m)	<u> </u>		
8	58	04.574	N 135	00'5	\\	28	Juln	1 4	22:4	1		480	30032	الح	Ą
Sensor IDS (ii	nitially & su	wap-outs)		Weather:										CTD MAX. D	EPTH =
SBE type and S/N				1										20	ð
PRESS S/N		10	(1	COMMEN	T: Difficult	conditio	ns, factors th	at ma	y affect me	easure	ements or aid pr	ocessing			
TEMP 1 &2 SNs	-	Sec con	ar.	5	ecci.	6.8	Lia	ht	742	1	17				
COND 182 S/Ns			0)							
FLUOR S/N				3n	NT: 16	235	291								
02 (SBE43) S/N											Stands 40 / 1 (100) - 1 (100) - 100 - 100 - 100 - 100				
Transmiss S/N															
PAR S/N															
O2 SBE42S/N															
Nisk#	DEPTH	Rosette Notes	Н	ydro Team		GFF	>10 Large		GFF dup vol		dup vol Phyto		Comments		Nisk
	DESIRED		SALT Bill	Not.8tl		lov	Vol			(la	rge) preserve		sample	25	#
1	0	10		35	<u> </u>										1
2	10	8		36						1					2
3	00	3		37											3
4	30	9		38		:									4
5 (100			39											5
6	************														6
7															7
8	.,,,														8
9															9
10					<u> </u>	1				1000000					10
11															11
12						1									12

/ESSEL Northwest Ex	plorer 20	16	CRUISE ID	wilog I	_		PROJECT & LE				1	me (None if dat මට \			
CTD consec CAST #	L	ATITUDE		LONGITUDE		GMT DATE	(note if i	not)	GMT	Time Su	rface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME	
	DEG	MIN	DEG	MIN		DAY	МО	YR		MIN	(°C)	(m)			
9	54	53,372	N 139	42,592	w	29	50 N 1	40	15: 10)		961	20027	IP'	0
Sensor IDS (in	nitially & sw	ap-outs)		Weather:										CTD MAX. DI	EPTH =
BE type and S/N														20	_
RESS S/N	10	7.	1	COMMENT: Di							nts or aid p	rocessing			
EMP 1 &2 SNs		See Dacet	21	Seco	hi	10.	3	10	44!	55					
OND 1&2 S/Ns		. 0													
LUOR S/N				3m'	1 7	2.8 S	:32.6								
2 (SBE43) S/N															
ransmiss S/N	-			Kelatin	elu	1/1500	nixedu	1665	15-1	mai	1000	chlain	o peak		
AR S/N 2 SBE42S/N				51.gat	inca	ease i	v femb	500l	5-90m 0	in botu	· the a	5 other	9.		
Nisk#	DEPTH	Rosette Notes	H	lydro Team		GFF	>10 Large		iFF dup vol	>10 dup	vol Phyto		Comments o	rother	Nis
	DESIRED		SALT Bil	Nut.Btl		vol	Vol		itt dop voi	(large)	preserve		sample	S	#
1	0	9	8182	40		250									1
<u>`</u>										18					
2	10	8		41		350									2
2 3	20	3		41		250		-							3
			:	· ·	******										

BOTTOM STATION STN. NUMBER NAME/ID (m) 20028 IPC
127
CTD MAX. DEPTH =
120
or aid processing
n Sample.
Danbie.
Phyto Comments or other Nisk samples #
1
2
3
4
5
6
7
8
9
10
11

vessel Northwe	est Explorer 2	016	CRUISE ID	NW1601			PROJECT &	LEG (i	f needed	i)	I	ne (None if data	-	
CTD cor	I .	LATITUDE		LONGITUDE		GMT DATE	(note	if not)	GMT	Time	Surface Temp		STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN		DAY	МО	YR	HR	MIN	(*C)	(m)	20029	I PB
11	58	12.687	N 137	16.876	w	29	Jun	1 4	21:	39		118		
Sensor II	DS (initially & s	swap-outs)		Weather:									-	CTD MAX. DEPTH =
SBE type and S/														103
PRESS S/N	1	(1	COMMENT: Dif	fficult	condition	s, factors	that ma	ay affec	t measur	ements or aid pr	ocessing		
TEMP 1 &2 SNs COND 1&2 S/Ns FLUOR S/N		See Pag	ye l	0.00			5:			ut: a	146			
O2 (SBE43) S/N Transmiss S/N PAR S/N O2 SBE42S/N										1/3	reak & a		oclcuni-	}
Nisk#	DEPTH	Rosette Notes	Hy	/dro Team		GFF	>10 Lar			- 10	dup vol Phyto		Comments or	
IVISK #	DESIRED					vol		,	GEE dun s	UNI I				1 11411
	3		SALT BU	Nut.Bti		VOI	Vol		GFF dup	UNI I	arge) preserve		samples	1 11411
1	0	a	SALT BU	Nut.80		250			GFF dup	UNI I				1 11411
1			SALT BU						GFF dup	VOI (I				#
	0	8	SALT BU	49		250 250			*****	VOI (I	arge) preserve			1
2	0 10 20	8	SALT BU	49 50 51		250 250			*****	VOI (I	arge) preserve			1 2
3 4	0 10 20 30	8	X	49 50 51 52		250 250			*****	VOI (I	arge) preserve			1 2 3
2 3 4 5	0 10 20	8 3		49 50 51		250 250			*****	VOI (I	arge) preserve			1 2 3 4 5 5
2 3 4 5 6	0 10 20 30	8 3	X	49 50 51 52		250 250			*****	VOI (I	arge) preserve			1 2 3 4 5 6
2 3 4 5 6 7	0 10 20 30	8 3	X	49 50 51 52		250 250			*****	VOI (I	arge) preserve			1 2 3 4 5 6 7
2 3 4 5 6 7 8	0 10 20 30	8 3	X	49 50 51 52		250 250			*****	VOI (I	arge) preserve			1 2 3 4 5 6 7 8
2 3 4 5 6 7 8 9	0 10 20 30	8 3	X	49 50 51 52		250 250			*****	VOI (I	arge) preserve			1 2 3 4 5 6 7 8 9
2 3 4 5 6 7 8 9	0 10 20 30	8 3	X	49 50 51 52		250 250			*****	VOI (I	arge) preserve			1 2 3 4 5 6 7 8 9 10
2 3 4 5 6 7 8 9	0 10 20 30	8 3	X	49 50 51 52		250 250			*****	VOI (I	arge) preserve			1 2 3 4 5 6 7 8 9

VESSEL Northy		olorer 20	16	101601			PROJECT & L	EG (i	if needed)		CTD FileNa	CTD FileName (None if data is live feed)						
CTD consec CAST # LATITUDE					LONGITUDE			(note if	not)	GMT	Time	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID	_		
12	12 DEG MIN				MIN	4	DAY	МО	YR	HR	MIN	(°C)	(m)	20030	IPA	_		
		58	20.033	N 137	07.0	03	v 30	JUN	1 4	00:	39		151					
Sensor	r IDS (ini	tially & sv	vap-outs)	Weather:										CTD MAX. DEPTH	1=			
PRESS S/N						COMMENT: Difficult conditions, factors that may affect measurements or aid processing												
COND 182 S FLUOR S/N O2 (SBE43) S	COND 182 SANS FLUOR SAN				3	Secchi: 8.6m Light: 476 3m T: 13.8 S: 31.1												
Transmiss S/ PAR S/N O2 SBE42S/I	N					****												
Nisk#		DEPTH	PTH Rosette Notes		Hydro Team		GFF	>10 Large		GFF dup vo		dup vol Phyto		Comments of	7.0	Nisk		
NISK#	E	DESIRED		SALT Btl	Nut.Btl	Nut.Btl		Vol		arr dop vo	(l:	arge) preserve		sample	s	#		
1	(2	9		54		250)							1	_		
2	1	0	8		55		ର୍ଷ)							2			
3	6	20	3		56		250	7					_		3			
4		30	2		57		25	0							4	,		
5		146	1	1	58										5	<u>; </u>		
6						-									6	<u>; </u>		
7															7	,		
8	***********														8	<u>.</u>		
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11							<u>'</u>								1	\neg		
12		***************************************												12	2			

VESSEL Northwes	st Explorer 20	NW 1601		PI	ROJECT & LEG BS leg 51	(if needed			CTD FileName (None if data is live feed)														
CTD cons	- No	LONGITUDE		GMT DATE	(note if no	t) GMT	Time	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID												
	DEG	MIN		DAY	MO YI	R HR	MIN	(°C)	(m)	20031	ISB												
13	58	20.176	w	30 3	5UN 1	1 15:			186														
Sensor ID	OS (initially & sw	vap-outs)		Weather:								,	CTD MAX. DEPTH =										
SBE type and S/N					_			·-															
PRESS S/N	11			COMMENT: Diff	ficult c	conditions	, factors that	may affect	measui	rements or aid	processing												
TEMP 1 82 SNs		see marche				_/_																	
COND 182 S/Ns FLUOR S/N		9			_/	11.		2000 12	1	D	<u> </u>												
02 (SBE43) S/N	_			No Oceanography, mini Cat Only																			
Transmiss S/N																							
(tarismiss ari																							
PAR S/N					(2)							77.00											
PAR S/N	DEPTH	Rosette Notes	/ H ₂	ydro Team		GFF	>10 l'arge		>10	O dup vol Phyto		Comments of	or other Nice										
PAR S/N	DEPTH DESIRED	Rosette Notes	H)	ydro Team Nut.8tl		GFF Vpl	>10 Large Vol	GFF dup v		O dup vol Phyto large) preserve		Comments o	,										
PAR S/N O2 SBE42S/N		Rosette Notes	SÁLT BU					GFF dup v					,										
PAR S/N O2 SBE42S/N Nisk #	DESIRED	Rosette Notes		Nut.Btl 59		NOI		GFF dup v					#										
PAR S/N O2 SBE42S/N Nisk #	DESIRED 0	Rosette Notes	SÁLT BU	Nut.Btl		250 250		GFF dup v					# 1										
PAR S/N O2 SBE42S/N Nisk #	DESIRED 10 20	Rosette Notes	SÁLT BU	59 60		250 850 250		GFF dup v					1 2										
PAR S/N O2 SBE42S/N Nisk # 1 2 3 4	DESIRED 0	Rosette Notes	SÁLT BU	Nut.88		250 250		GFF dup v					1 2 3										
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5	DESIRED 10 20	Rosette Notes	SÁLT BU	59 60		250 850 250		GFF dup v					1 2 3 4										
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6	DESIRED 10 20	Rosette Notes	SÁLT BU	Nut.88		250 850 250		GFF dup v					1 2 3 4 5										
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6 7	DESIRED 10 20	Rosette Notes	SÁLT BU	Nut.88		250 850 250		GFF dup v					1 2 3 4 5 6										
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6 7 8	DESIRED 10 20	Rosette Notes	SÁLT BU	Nut.88		250 850 250		GFF dup v					1 2 3 4 5 6 7										
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6 7 8 9	DESIRED 10 20	Rosette Notes	SÁLT BU	Nut.88		250 850 250		GFF dup v					1 2 3 4 5 6 7 8										
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4 5 6 7 8	DESIRED 10 20	Rosette Notes	SÁLT BU	Nut.88		250 850 250		GFF dup v					1 2 3 4 5 6 7 8 9										

VESSEL. CRI Northwest Explorer 2016					CRUISE ID								needed) くどこん	1 L	C	CTD FileName (None if data is live feed)					
CTD consec CAST # LATITUDE					LONGITUDE			GMT DATE	(ne	(note if not)		GMT	Time	Surfa	ce Temp	BOTTOM DEPTH	STATION NUMBER	ST: NAM			
		DEG	MIN		DEG	MIN			DAY	МО		/R	HR	MIN	(°C)		(m) 20035		ARM		
13 58 21,976 N				135	39.9	163	w	01	J u	L 1	64	15:1	0			50					
Sensor IDS (initially & swap-outs)						Weather:							- 						CTD MAX. DEPTH =		
S8E type and S/N	4													_			1.5		45		
PRESS S/N			See Rog		//	COMMEN	T: Diffic	ult	conditio	ns, facto	rs that	t may	y affect r	neasur	ement	s or aid p	rocessing				
TEMP.1 &2 SNs			See Roc	re	.\	Se	cchi	-	4.2		Ligu	λ¥:	66		3~	T; IS	15	5:20.	3		
COND 182 S/Ns		1		_														-13			
FLUOR S/N																					
O2 (SBE43) S/N		-		_		Ch	ia	12	eak	<u>a</u>	10-	-15	m								
Transmiss S/N				_		,					-										
PAR S/N		-																			
O2 SBE42S/N						,										30					
	D	DEPTH Rosette Notes			Hy	Hydro Team			GFF		Large	6	FF dup vo		dup vo	Phyto		Comments	or other	Nisk	
Nisk#	DI	ESIRED			SALT BII	Nut.8tl		H	vol	Vol	Vol		rr dup vo	(1	arge)	preserve		sample	2 5	#	
1	(Ò	8						250											1	
2	1	0	3						250		_					1				2	
3	C	20	2	•					250)										3	
4		45																		4_	
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