North	L west E	xplore	r	CRUISE	ID INWI	44		PROJECT Secm/Go/		G ( if neede	d) (		lame (None if	data is live feed)	)
CTD c			6 428 ATITUDE		23.99		GMT DATE	(note	if not)	GMT Time	Surf	ace Temp	CTD BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	1	DEG	MIN	DEG	MI	V	DAY	МО	YR		AIN	(°C)	(m)	18010	ISD
00	1	58	16:428	N 135	23.9	92 v	127	06	1 4	3 2	7 1	2.23	215		1 -
Senso	or IDS (i	initially	& swap-outs)									75 67 44.11			D MAX. DEPTH
SBE type ar	nd S/N		25 - 04	22	Weather	:					15	,			
PRESS S/N			290610	and the second second	COMME	NT: Diffi	cult con	ditions, fa	ctors	that may	affect m	easureme	ents or aid p	rocessing	_ [
TEMP 1 82	SNs		155		<b>_</b>	Down	0.5 M	/s				_ 1	Fast Cat	4:14 6/2	7 14
COND 1&2	S/Ns 🕂		04 2906			UP	0.5 m	5					به حا	Bongo + Ca	orichtation
FLUOR S/N			2343			1	/							of Boigo + ca	t. Serial
02 (SBE43)	S/N			-	Firs	4 5h	tion 1	ത ധു.	rch	depth	COUN	ten as	nd bad	radios	Data EMARS
Transmiss 9	in	H 5	7 - 1/20			PAK	is Mis	sing c	libr	ation	ValuES	5	nd bad		
PAR S/N			70432	A											
G2 SBE426	A STATE OF THE PARTY OF THE PAR				5		_								1
PLIA	10	2	4738		SL	tiem 7	20 Dth	= 715				-			
PUN			6 2 38	Т	S-fa :			= 215			>40 due	Inoc son		Moderate another to	
Nisk#	D	EPTH ESIRED	Rosette Notes	H SALT Bti	ydro Team-F		GFF voi	>10 Larg	ge G	FF dup vol	>10 dup	POC 500		Comments or samples	other Nisk #
	D	EPTH		W 100 P	ydro Team-P		GFF	>10 Larg	je G	FF dup vol		and the second section of the second second		The second secon	#
Nisk#	DE	EPTH SIRED		SALT Bti	ydro Team-F Nut.Btl		GFF vol	>10 Larg Vol	ge G			and the second section of the second second		The second secon	1
Nisk# -	DE DE	EPTH ESIRED		W 100 P	ydro Team-P		GFF	>10 Larg Vol	ge G	FF dup vol		and the second section of the second second		The second secon	1 2
Nisk#	DE DE	EPTH ESIRED	Rosette Notes	SALT Bil	Nut.Btl		GFF vol	>10 Larg Vol	ge G			and the second section of the second second		The second secon	1 2 3
Nisk#	DE DE	EPTH ESIRED		SALT Bti	ydro Team-F Nut.Btl		GFF vol	>10 Larg Vol	ge G			and the second section of the second second		The second secon	1 2
Nisk#	DE DE	EPTH ESIRED	Rosette Notes	SALT Bil	Nut.Btl		GFF vol	>10 Larg Vol	ge G			and the second section of the second second		The second secon	1 2 3
Nisk # - 2 3 4	DE DE	EPTH ESIRED	Rosette Notes	SALT Bil	Nut.Btl		GFF vol	>10 Larg Vol	ge G			and the second section of the second second		The second secon	# 1 2 3 4
Nisk#	DE DE	EPTH ESIRED	Rosette Notes	SALT Bil	Nut.Btl		GFF vol	>10 Larg Vol	ge G			ACTION AND A STREET AND ASSESSED.		The second secon	# 1 2 3 4 5 5
Nisk#	DE DE	EPTH ESIRED	Rosette Notes	SALT Bil	Nut.Btl		GFF vol	>10 Larg Vol	ge G			ACTION AND A STREET AND ASSESSED.		The second secon	# 1 2 3 4 5 6 7
Nisk # - 2 3 4 5 6 7 8	DE DE	EPTH ESIRED	Rosette Notes	SALT Bil	Nut.Btl		GFF vol	>10 Larg Vol	ge G			ACTION AND A STREET AND ASSESSED.		The second secon	# 1 2 3 4 5 6 7 8
Nisk # - 1	DE DE	EPTH ESIRED	Rosette Notes	SALT Bti	Nut.Btl		GFF vol	>10 Larg Vol	ge G			ACTION AND A STREET AND ASSESSED.		The second secon	# 1 2 3 4 5 6 7 8 9
Nisk# - 2 3 4 5 6 7 8	DE DE	EPTH ESIRED	Rosette Notes	SALT Bti	Nut.Btl		GFF vol	>10 Larg Vol	ge G			ACTION AND A STREET AND ASSESSED.		The second secon	# 1 2 3 4 5 6 7 8
Nisk # - 1 2 3 4 5 6 7 8 9	DE DE	EPTH ESIRED	Rosette Notes	SALT Bti	Nut.Btl		GFF vol	>10 Larg Vol	ge G			ACTION AND A STREET AND ASSESSED.		The second secon	# 1 2 3 4 5 6 7 8 9

serie.

VESSEL				CRUISE I	D 1 1			PROJECT	2 I E	if nor	odod)	CTD FileN	ame (None if	tata ie livo for	nd)
Northwest I	Explor	er		CROISE	NW14		enomes a A	SECM/GO/		) ( II He	<del></del>	CIDITIEN	MEO05	hex	su <i>)</i>
CTD consec CAST #		LATITUDE			S 26.64 ONGITUDE		GMT DATE	(note	if not)	GMT Time	PM	Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/I
	DEG	MIN	$\perp$	DEG	MIN		DAY	МО	YR	HR	MIN	(°C)	(m)		
002	58	15.26	N	135	126.64	w	27	06	1 4	6	56	10.8	261	18011	15C
	(initially	/ & swap-out	s)												CTD MAX. DE
BE type and S/N	4.1	25			Weather:										200
RESS S/N			1		COMMENT: D	iffic	cult cond	ditions, fa	ctors	that m	ay affe	ct measureme	ents or aid p	rocessing	
EMP 1 &2 SNs		1 6	11										Fastcat	Co	
OND 182 S/Ns	_			0									WE002.	wx	
LUOR S/N	_	THE 18 C	61	-				i i							
2 (SBE43) S/N	<u> </u>	1 11	<b>₩</b>	2551	PAR mis	551	19 62	1 Valu	res						
ransmiss S/N	_	V	ų v	wood											
AR S/N		1/	MAG	ME											

Nisk#	DEPTH	Rosette Notes	Н	ydro Team-PMEL	GFF	>10 Large	GFF dup vol	>10 dup	POC 500	FILE VE	Comments or other	Nisł
IVISK #	DESIRED		SALT Btl	Nut.Btl	vol	Vol	Grr dup voi	vol (large)	mt		samples	#
1												
2	0	~7		0003	250							2
3												3
4	50			0004	250			60-100 - 12.702 C			Λ	4
5										SeaWater	Sen Water	5
6								E-1753		Blank	SeaWate	6
7		BIRDS OF										7
8					100		The service creed in				(100.000)	8
9									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			9_
10												10
11												11
12	T											12

VESSEL <b>Northy</b>	west Explor	er	CRUISE	INW1-	+		PROJECT & SECM/GOAA		( if need	ed)	CTD I	FileNa	me (None if o	data is live fe	ed)
CTD co	I	LATITUDE		LONGITUDE		GMT DATE	(note if r	not)	GMT Time	V s	Surface Te	emp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/II
	DEG	MIN	DEG	MIN		DAY		YR		MIN	(°C)	name in	(m)	18011	ISB
003	3 58	14,23	N 135	29.3	9 w	27	061	4	8	50	10.5		18	18012	CTD MAX. DEP
Senso	r IDS (initial	y & swap-outs)				0								<u> </u>	=
SBE type and	d S/N		/	Weather:		.14	1:4: <b>f</b>		that ma	, offord	mastu	ıramaı	nte or aid n	rocessing	17
PRESS S/N			/	COMMEN	II: Diffic	cuit con	litions, tac	Ors	tnat ma	y allect	FA	Stew	nts or aid p	.000009	
TEMP 1 &2 S COND 1&2 S		-	MI USA								AWEC	003.	hex		
FLUOR S/N		/	Year at 12	PAR	Miss	sing	Cal Va	UE	S						
O2 (SBE43)	S/N _		w. diff			/		,		-					
Transmiss S	VN														
PAR S/N															
															an allera Ali
PAR S/N 02 SBE42S/		Rosette Notes		lydro Team-Pl	MEL	GFF	>10 Large	G	GFF dup v		dup PO			Comments	
PAR S/N O2 SBE42S/	N /	Side to the first term of the same	SALT BU	lydro Team-Pi	MEL	GFF vol	>10 Large Vol	G	GFF dup vo		dup PO			1	les
PAR S/N O2 SBE42S/	n /			Nut.Btl	MEL	vol	Vol	G	SFF dup v					1	les i
PAR S/N 02 SBE42S/ Nisk #	n /	Side to the first term of the same			MEL		Vol	G	GFF dup vo					1	les :
PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	SFF dup vo					1	1 2 3
PAR S/N 02 SBE42S/ Nisk # 1 2	DEPTH DESIRE			Nut.Btl	MEL	vol	Vol	G	SFF dup vo					1	1 2 3
PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	SFF dup vo					1	1 2 3 4 5 5
PAR S/N 02 SBE42S/ Nisk #  1 2 3 4	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	GFF dup vo					1	1 2 3
PAR S/N 02 SBE42S/  Nisk #  1 2 3 4 5	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	SFF dup vo					1	1 2 3 4 5 E
PAR S/N 02 SBE42S/  Nisk #  1 2 3 4 5	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	SFF dup vo					1	1 2 3 4 4 5 6 6 7 1 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	SFF dup vo					1	1 2 3 4 4 5 5 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
PAR S/N 02 SBE42S/  Nisk #	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	GFF dup vo					1	1 2 3 4 4 5 5 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PAR S/N 02 SBE42S/  Nisk #  1 2 3 4 5 6 7 8 9	DEPTH DESIRED	~ 3.4		Nut.Btl 0005	MEL	250	Vol	G	SFF dup vo					1	1 2 3 4 4 5 5 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

									_						
VESSEL Northwe	est Explore	r	CRUISE	ID INW	14		PROJECT SECM/GOA		3 ( if nee	ded)	C	TD FileNa	me (None if wとののも、	data is live fee	ed)
CTD cons		LATITUDE		LONGITUDE		GMT DATE	(note il	not)	GMT Time	PM	Surfac	e Temp	BOTTOM DEPTH_	STATION NUMBER	STN. NAME/ID
CAST	DEG	MIN	DEG	MIN		DAY	МО	YR	HR	MIN	('	°C)	(m)		
004	58	13.23	_	31 4	12 w	24	06	1 4	Н	03	9	.9	100	18013	ISA
Sensor I	DS (initially	& swap-outs)													CTD MAX. DEPTI
SBE type and S/				Weather:											91.47
PRESS S/N				COMMEN	IT: Diffi	cult cond	litions, fa	ctors	that ma	ay affe	ct mea	sureme	nts or aid p		
TEMP 1 &2 SNs COND 1&2 S/Ns FLUOR S/N O2 (SBE43) S/N	s	/		PARCA	Values	not o	rddeD.						> Pue	eat 004. h	lly fish uring
PAR S/N O2 SBE42S/N	7												ent lo	st upper	10 m
PAR S/N O2 SBE42S/N	DEPTH	Rosette Notes	ı	lydro Team-P!	WEL	GFF	>10 Larg	е	PEE dun v			POC 500	ent la	Comments	or other Nisk
PAR S/N	DEPTH DESIRED	Rosette Notes	F SALT Btl	Hydro Team-P!	WEL	GFF vol	>10 Larg	e G	GFF dup v		(large)		2001 \c		or other Nisk
PAR S/N O2 SBE42S/N			3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	GFF dup v				2001 \c	Comments	or other Nisk
PAR S/N 02 SBE42S/N Nisk #		Rosette Notes	3 1 1 1 1 1 1 1		MEL	-11		в С	SFF dup v				ent la	Comments	or other Niskes #
PAR S/N 02 SBE42S/N Nisk #	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	GFF dup v				ent la	Comments	or other # 1 2 3
PAR S/N 02 SBE42S/N Nisk #	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	GFF dup v				- Court \c	Comments	or other es #
PAR S/N 02 SBE42S/N  Nisk #  1 2 3	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	GFF dup v				- Court \c	Comments	or other # # 1 2 3 4 5
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	SFF dup v				COST 10	Comments	or other # # # # # # # # # # # # # # # # # # #
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	WEL .	-11		e G	GFF dup v					Comments	or other # # 1 2 3 4 5 6 7
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5 6	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	SFF dup v					Comments	or other # # # # # # # # # # # # # # # # # # #
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5 6 7	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	SFF dup v					Comments	or other # # # # # # # # # # # # # # # # # # #
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5 6 7 8	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	MEL	-11		e G	SFF dup v					Comments	or other # # # # # # # # # # # # # # # # # # #
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5 6 7 8 9	DESIRED		3 1 1 1 1 1 1 1	Nut.Btl	WEL	-11		e G	GFF dup v					Comments	or other # # # # # # # # # # # # # # # # # # #

North	L west E	xplore	r		CRUISE	D MW	4	-	PROJECT & SECM/GOA/		( if neede	ed)	CTD FileN	ame (None if	data is live fe	ed)
CTD c		L	ATITUDE			LONGITUD	E	GMT DATE	(note if	not)	GMT Time	s	urface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/I
	ı	DEG	MIN	Н	DEG	MIN		DAY	МО	YR	HR I	MIN	(°C)	(m)		
				N			w			1 4						
Senso	or IDS (i	nitially	& swap-outs	)			j-				10.00					CTD MAX. DEI
BE type an	nd S/N		TBE 49-			Weather	N	or So	on Ked o	nly	Usev	plas	measureme	67-5		
RESS S/N	1		36 090	K	unit	COMME	۱T: Diffic	cult con	ditions, fac	tors	that may	affect	measureme	ents or aid p	rocessing	
EMP 1 &2 OND 1&2	/	-	-/-	-			Fasta	nd-	DNTA	Ľ	N, YA	o Wato	21	(5)	41	
LUOR SA		-	15	+	18014	Most	(Jep	74	Date_		Lat/40	ng	125 217	7 7	~2 P44	top on Gleph
2 (SEE43)		1,00	15	_	1015	006	5 <i>1</i>	105 pt	28 June	0	58 14	.23	125 289	3 3 19 U	00100	195.
pensmiss S	VN			2	18016	007	5	03	28 Ju	~l	58 15	. 24	135 26	54 5	15 PM	7.60
AR S/N				50	1601	008	65	.42	28 Ju	سف	58 16	.32	135 23	83 (	34 PM	7.21
)2 SBE42S/	/N			51	8618	009	47	, 86	28 1	שאיי	58 15	17	135 26	.38 9	02 PM 08 PM 15 PM 34 PM .01 PM	264
	DE	РТН	Rosette Notes			dro Team-P	MEL	GFF	>10 Large				up POC 500	2.2-1	Comments	
Nisk#	DE	SIRED	in under the		SALT Bil	Nut.Btl		vol	Vol	G	FF dup vol		rge) ml		sample	
				-						_						
1						J 1						A. Company				1
										-						1 2
2										-						1 2 3
3																
2 3 4																3
2 3 4 5																3 4 5
2 3 4 5																3
2 3 4 5 6 7																3 4 5
2 3 4 5 5 5 7 3 8																3 4 5 6 7 8
1 2 3 4 5 6 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																3 4 5 6 7 8 9
2 3 4 5 6 7 8																3 4 5 6 7 8

/															
vessi <b>Nort</b> h		Explorer	,	CRUISE	D INW	14		ROJECT &		( if neede	d)	CTD FileN	ame (None if o	data is live feed) . んの 火	
	consec ST#		54.68° ATITUDE		42.75		GMT DATE	(note if r		GMT Time	M Si	ırface Temp	BOTTOM DEPTH	STATION NUMBER	STN./ NAME/ID
		DEG	MIN	DEG	MIN		DAY	МО	YR	HR 1	AIN .	(°C)	(m)		
0	05	57	53.68	N 137	42.75	5 w	29	6	4	2 5	52 /	2.05	943	<u> </u>	IPD
Sens	or IDS	(initially	& swap-outs)									· ·	19- 	=	D MAX, DEPTI
SBE type	-0.1			/	Weather:										200
PRESS S/			1 / J		COMMEN	T: Diffic	cult cond	itions, fac	ors (	that may	affect	measureme	ents or aid p	rocessing	
TEMP 1 &	2 SNs							A-1-0-					¥ .		,
COND 18	2 S/Ns				PAR C	al d	ata a	dded						cut 0/1	
FLUOR S	N .				1 da	ta i	5 back					1	472	00M	
02 (SBE4			-/-		V .	حاياروح	>_,_VV_	form no			17.1		<del></del>		
Transmiss	S/N		/		1	hu go	2+ Uni	form wo		3-52-					
PAR S/N O2 SBE42	neal.	-			\t	0551	on how	d Sen	\$ 67	-1		Alexander and the second secon			
UZ SBE42	SONIA	-		USUL NEW Y											
		DEPTH	Rosette Notes	Н	ydro Team-PM	IEL	GFF	>10 Large	GF	FF dup vol		up POC 500	Torrie	Comments or	August 1997
Nisk #	D	ESIRED		SALT Bil	Nut.Btl		vol	Vol		. dup to	vol (la	ge) ml		samples	#
1						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									1
2		>	22.6	7007	0009		250				<u> </u>				2
3				No.									=44-		3
4	5	ίO	50.4	2116	0010		250	)	0	2500					4
5										_					5
6															6
0															
II -7 '			ROSSILE COL				,					i			7
7															7 8
8										· ,					
8	a		. 0 d												9
		OU	~98	214	00/1					· · · · · · · · · · · · · · · · · · ·					9
9		OU	~98	214	00/1										9

	,													
VESSEL Northwe	est Explore	r	CRUISE	1D /W 14			PROJECT SECM/GOA/			ed)		ame (None if o	data is live feed)	
CTD con		ATITUDE		LONGITUDE		GMT DATE	(note if	not)	GMT Time	S	Surface Temp	BOTTOM DEPTH		STN. IAME/ID
CAUL	DEG	MIN	DEG	MIN		DAY	МО	YR	HR	MIN	(°C)	(m)	18021	1PC
006		<del>                                     </del>	N 137	26.80	2_ w	29	6	1 4	655	9 pm		125		
Sensor	IDS (initially	& swap-outs)												MAX. DEPTI
SBE type and S PRESS S/N TEMP 1 &2 SN	S/N			Weather:	IT: Diffic	ult cond	itions, fac	tors	that may	/ affect	measureme		rocessing	115
FLUOR S/N O2 (SBE43) S/I Transmiss S/N PAR S/N O2 SBE42S/N													tcat Z	
Nisk#	DEPTH	Rosette Notes	SALT Bti	lydro Team-P Nut.Bti	MEL	GFF vol	>10 Larg Vol	G	FF dup vo		dup POC 500 arge) ml		Comments or o samples	ther Nisk #
	DESIRED		SALI BU	MOLDU	411 11			+						1
2	0	32		00/2		250								2
3				uax 00007===15000	,									3_
4	50	503		0013		250	<u> </u>	_						4
5												•••		5
6						<del> </del>	-	+						7
7														8
8								+				<del>                                     </del>		9
9														10
10								_						11
11						-							· [	
12		teratives from	()											12

VESSEL Northy	- vest Ex	piorer		CRUISE	ID /No	V14		PROJECT SECM/GOA			ed)	CTD FileN	ame (None if	data is live fee	d)
CTD co		L	ATITUDE		LONGITUDE		GMT DATE	(note	f not)	GMT Time	s	urface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
		EG	MIN	DEG	MIN		DAY	МО	YR	HR	MIN	(°C)_	(m)	18022	1PB
00	7 5	58	12,88 N	137	1678	3 w	29	6	1 4	1 844	DW	11.7	117		
	order bearing	-												]:	CTD MAX, DEPTI
SBE type and		illally (	& swap-outs)	/	Weather:							<u> </u>			107
PRESS S/N	u un	Two are	/	1 1 3			cult con	ditions, fa	ctors	s that may	y affect	measureme	nts or aid p		
TEMP 1 & 2 S COND 1&2 S FLUOR S/N O2 (SBE43) Transmiss S PAR S/N O2 SBE42S/	S/Ns S/N S/N		Bad		PAR	-ali	alus	garla	20.				Down case Ste Upca	Sen en Pered/Res or orly - or Shrf	hore faut
Nisk#	DEI	PTH	Rosette Notes	Н	ydro Team-P	MEL	GFF		ge	GFF dup vo		dup POC 500		Comments o	Editorial Laboratorial Laboratoria Lab
IVISK #	DES	IRED		SALT Btl	Nut.Btl		vol	Vol			VOI (I	arge) ml		Sample	15 "
1															1
2	0		2.7		00/4		250	2	_				<u> </u>		2
3															3
4	50		~497		0015		250	<u> </u>						<u> </u>	4_
5															5
6							<u> </u>		_						6
7															7
8								_	_					<del> </del>	8
9							-								9
10					ļ				$\dashv$						10
11															11
12															12

/ESSEL Northwest	Explore	r	CRUIS	EID /Nn	114		PROJECT SECM/GOA		3 ( if nee	ded) 	CTD FileN	ame (None if o	data is live feed)	
CTD consec CAST #		ATITUDE		LONGITUDE		GMT DATE	(note	if not)	GMT Time	PM s	urface Temp	BOTTOM DEPTH		STN. NAME/ID
	DEG	MIN	DEC	S MIN		DAY	МО	YR	HR	MIN	(°C)	(m)	18023	PA
008	58	20.06	N 13-	1 07.3	37 W	ZO	6	1 4	11	04	13.0	155		
Commence of the control of	(initially	& swap-outs)											CTE	MAX, DEPTI
SBE type and S/N	muany	25-01	422	Weather:				-	**					46
PRESS S/N			/	COMMEN	NT: Diffi	cult con	iditions, fa	actors	that ma	ay affect	measureme	ents or aid p	rocessing	
TEMP 1 &2 SNs		/				_	1					F C-+	1	
COND 182 S/Ns	-	/		- PAI	R-N	0 9000	P				1	Fast Cart 0/4 Down cast Until		
FLUOR S/N		/		180		0					(5	1710 DO COST	-barl	
02 (SBE43) S/N Transmiss S/N	-	/	1000								/	Until	60m	
PAR S/N	- 1	/												
02 SBE42S/N	1										_			
							na kanana			24 100				Al Affai
				Herdan Toom D	MEI	GFF	>10 Lar	rae		. >10	dup POC 500		Comments or o	ther Nist
Nisk #	DEPTH	Rosette Notes		Hydro Team-P				3 6	SFF dup v				samples	#
Nisk#	DEPTH DESIRED	Rosette Notes	SALT Bt			vol		9	SFF dup \		arge) ml		samples	#
Nisk #		Rosette Notes	SALT BI	Nut.Btl					2 57	vol (li			samples	1 2

	DEPTH	Rosette Notes	Н	ydro Team-PMEL	GFF	>10 Large Vol	GFF dup vol	>10 dup	POC 500	Comments or other	Nisl #
Nisk#	DESIRED		SALT BU	Nut.Btl	vol	Vol		vol (large)	ml	samples	
1				1							1
2	0	N4.3	215	0016		250	250				2
3				Ti .							. 3
4	50	48.8		0017		250					4
5			2						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5
6											6
7											7
8											8
9											9
10											10
11								ļ			11
12		AV NAS SES									12

0														
VESSEL <b>Northwes</b> t	Explore	er	CRUISE	ID IN	114		PROJECT SECM/GOA			eded)			data is live fe	
CTD consec CAST #	1	LATITUDE		LONGITU	DE	GMT DATE	(note i	f not)	GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN.
	DEG	MIN	DEG	М	N	DAY	МО	YR	HR	MIN	(°C)	(m)		
	58	16.33	N	× 5.6	V	,		1 4	ı]			220		
Sensor IDS	(initially	& swap-outs)		3										CTD MAX, DEPT
SBE type and S/N	timulany	L/A	54	Weathe	r:	Δ11 <del>T</del>	ast Ca	+		-	l	130	CASA	=
PRESS S/N		74 ,		COMME	NT · Diffi	cult con	ditions fa	ctore	that ma	av affe	et messureme	nte or aid n	rocessing	
TEMP 1 82 SNs	TEN.	/	1802	4 015	- 3:50	OPM 3	30 June	5.	8 16.3	3/1	35 23.86 35 26.37 66 29.10 135 31.80 12005+ 81 12005-80	220.	: 50 7.	TEN
COND 182 S/Ns	To Design		1802	016	5:35	PM	30 June	58	152	1 1.	35 26.37	2600	55.5	.7.se
FLUOR S/N			18026	017	10:00	PH .	30 June	58	14.2	4 13	\$ 29.10	194 ~	61.27	158
02 (SBE43) S/N		/	18027	- 018	_ 12:11	BAM	1 July	58	13.2	25 1	35 31.80	99	50	1SA_
Transmiss S/N		/	740 11	1	> (	moduce	AVIL	was	1 8cmo	Po	7 1465+ 87	Cast 1	until Zou	,
PAR S/N	Treposition	/		10-1		from:	orfice.	Se	ent-	Blc	K 70 50	m of the	ren to se	rvice
02 SBE42S/N	_/		Constitution of	-	<b>~</b> -0 .	All	one co	ترم	206.					
Nisk#	DEPTH	Rosette Notes	Н	lydro Team-l	PMEL	GFF		401 1	FF dup v		10 dup POC 500		Comments	or other Nis
	DESIRED		SALT Btl	Nut.Btl		vol	Vol	9	icc aup v	vol	(large) ml		sample	es #
1					-									1
2														2
3		SYLES TO T			<u> </u>			$\top$					1	3
4						-						•		
					<del>                                     </del>	$\vdash$	-	-					-	4
5														5
6					ļ	<b> </b>		+						6
7														7
8											77-1010-1010-101			8
9				9								N		9
10			ļ							7		1	1	10
11		App Se										. /		
	*					ļ								11
12		10 5		1	1						- 1		1	12

															1
VESSEL Northwest	Explore	r	CRUISE	ID /NW	14		PROJECT SECM/GO/			ded)	CTD FileN	Name (None if o	data is live fee	ed)	
CTD consec CAST#		ATITUDE		LONGITUDE		GMT DATE	(note	if not)	GMT Time	s	urface Temp	воттом	STATION NUMBER	STN NAME	
~ ~ ~	DEG	MIN	DEG	MIN	+	DAY	МО	YR	HR	MIN	(°C)	(m)		4.04.0	
009	58	04.56	N 135	00.15	-   w	101	101	1 4	14.	55 1	11.74	475	18031	UC	4
Sensor IDS	(initially	& swap-outs)		A				1						CTD MAX. [	DEPT
BE type and S/N		25		Weather:		استناسا	<u> </u>							205	-
RESS S/N			1	COMMENT:	Diffic	cult con	ditions, fa	actors	that ma	ay affect	measurem	ents or aid p		HECT.,	
EMP 1 &2 SNs			/												
OND 182 S/Ns				4								No Fa	st cat		
UOR S/N	MA (EW)	/	ii Bia ji												
2 (SBE43) S/N				<u> </u>											
ransmiss S/N		/		4											
AR S/N			al exercis	4											
2 SBE42S/N							411								
Itale 46	DEPTH	Rosette Notes	Н	lydro Team-PMEL		GFF	>10 Larg	qe C		. >10 (	dup POC 500		Comments o	or other	Nis
Nisk#	DESIRED		SALT BU	Nut.Btl		voi	Vol	, G	FF dup vo		rge) ml		sample		#
1			A									Ī			1
2	)			0018		250	n T		***************************************						2
		4		<del></del>		4				$\overline{}$			<del></del>		_

Nisk#	DEPTH	Rosette Notes	Н	ydro Team-PMEL	GFF	>10 Large	CEE due wel	>10 dup	POC 500	Comments or other	Nis
INISK #	DESIRED		SALT BU	Nut.Btl	lov	Vol	GFF dup vol	vol (large)	ml	samples	#
1											
2	0			0018	250						2
3											3
4	50	50.4	21/2	0019	250		250				4
5					_						5
6						<u> </u>					6
7		Les III es es									7
8											8
9									<u> </u>		9
10	200	205	216	mula							10
11											11
12											12

SSEL prthwest Explorer														
xplore	•		CRUISE I	D NW14	-				3 ( if need	ied)				ed)
L	ATITUDE			LONGITUDE		GMT DATE	(note i	f not)	GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
DEG	MIN		DEG	MIN		DAY	МО	YR	HR	MIN	(°C)	(m)		
56	06.15	N	135	00.84	w	10	7	1 4	5 33	em	10,7	218	18033	uce
Initially	& swap-outs)		)						- 12		•	201.8		CTD MAX, DEPT
		11/	1	Weather:										
		/		COMMENT: D	iffic	ult con	ditions, fa	ctors	that ma	y affe	t measurem	ents or aid p	rocessing	
	5	) į										No tast	cat	
		4			_								w-01	
	ALL	_		D/K	7_									
-	1			PAN										
	PC/	) Elle												
5 6		7119												
124 10.5		119								•				
EPTH	Rosette Notes		Ну	/dro Team-PMEL		GFF	>10 Larg	je c	EE dup vo	, >10	dup POC 500		Comments	r other Nis
SIRED	kuring-net 6 y		SALTEN	Nut Rtl		vol	Vol	16	rr anb so	" vol (	large) ml		sample	s #
	DEG	LATITUDE DEG MIN Seconds Secon	LATITUDE DEG MIN Secondary	LATITUDE DEG MIN DEG Seb. 15 N 135 Initially & swap-outs)  EPTH Rosette Notes Hy	LATITUDE LONGITUDE  DEG MIN DEG MIN  S6 06.15 N 135 00.84  Initially & swap-outs)  Weather:  COMMENT: D  PAK	LATITUDE  LONGITUDE  DEG MIN DEG MIN  Weather:  COMMENT: Diffic	LATITUDE LONGITUDE DEG MIN DEG MIN DAY  So 06.15 N 135 00.84 W 01  Initially & swap-outs)  Weather:  COMMENT: Difficult condense of the conden	LATITUDE LONGITUDE DEG MIN DEG MIN DAY MO SECM/GOA  LATITUDE DEG MIN DAY MO SECM/GOA  LATITUDE LONGITUDE DATE (note in the indicator) Mo SECM/GOA  LATITUDE LONGITUDE DATE (note in the indicator) Mo SECM/GOA  LATITUDE LONGITUDE DATE (note in the indicator) Mo SECM/GOA  LATITUDE DATE (note in the indicator) Mo SECM/GOA  AND	LATITUDE  LONGITUDE  LONGITUDE  LONGITUDE  DEG MIN DAY MO YR  SECM/GOAA leg  GMT DATE (note if not)  DEG MIN DAY MO YR  SECM/GOAA leg  GMT DATE (note if not)  VEALURE COMMENT: DIFFICULT CONDITIONS, factors  DAK?  EPTH Rosette Notes  Hydro Team-PMEL GFF >10 Large G	EXPLORER   NW   SECM/GOAA leg    LATITUDE   LONGITUDE   DATE (note if not)   Time    DEG   MIN   DEG   MIN   DAY   MO   YR   HR    SECM/GOAA leg   GMT   GMT   Time    DEG   MIN   DAY   MO   YR   HR    SECM/GOAA leg   GMT   GMT   Time    Time   DATE (note if not)   Time    Time   DA	LATITUDE  LONGITUDE  LONGITUDE  DEG MIN DEG MIN DAY MO YR HR MIN  SECM/GOAA leg  GMT (note if not)  Time  DEG MIN DAY MO YR HR MIN  Weather:  COMMENT: Difficult conditions, factors that may affect  COMMENT: Difficult conditions, factors that may affect  FETH Rosette Notes  Hydro Team-PMEL GFF >10 Large GFF dup vol 1914	LATITUDE  LONGITUDE  DEG MIN DEG MIN DAY MO YR HR MIN (°C)  Weather:  COMMENT: Difficult conditions, factors that may affect measurem  COMMENT: Difficult conditions, factors that may affect measurem	EPTH Rosette Notes Hydro Team-PMEL GFF Vol Large GFF dup vol vol V	SECM/GOAA leg

Nisk#	DEPTH	Rosette Notes	Н	ydro Team-PMEL	GFF	>10 Large Vol	CEE dum wal	>10 dup	POC 500	Comments or other	r Nis
INISK #	DESIRED		SALT Btl	Nut.Btl	vol	Vol	GFF dup vol	vol (large)	ml	samples	#
1											1
2	0	4,2	8	0020	250						2
3											3
4	50	49.4		0021	250						4
5											5
6											6
7											7
8		Jelson vyse									8
9											9
10	500										10
11										*	11
12				Eggs Issue							12

VESSE North	west Explore	er	CRUISE I	D INWI	14	P S	ROJECT & ECM/GOAA	LEG(if leg	f neede	d)		ame (None if o	data is live feed	i)
	consec ST #	LATITUDE		ONGITUDI	E	GMT DATE	(note if n	GM ot) Tim	- (	Surfa	ice Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO Y	r H	HR N	/IN	(°C)	(m)		
01	1 58	08 02 N	135	04	04 w	01	V 1 1	4	91	2		140	18035	VCC
Senso	or IDS (initially	& swap-outs)										<u> </u>		TD MAX. DEPT
SBE type an	nd S/N	25		Weather:										130
PRESS S/N				COMME	NT: Diffic	ult condi	ions, facte	ors tha	at may	affect me	asureme	nts or aid pr	rocessing	
TEMP 1 82	SNs													
COND 182	S/Ns	14 14 14 14				- 1-2						No	Fastro	x+-
FLUOR S/N				PAR	data P	sha (								
00 1005101	CAL			⊪ '										
O2 (SBE43)														
Transmiss S														
Transmiss S PAR S/N	5/N													
Transmiss S	5/N													
Transmiss S PAR S/N O2 SBE42S/	5/N	Rosette Notes	Ну	dro Team-Pi	MEL	GFF	>10 Large	OET 4	4	>10 dup	POC 500	I M YEW AT	Comments or	other Nis
Transmiss S PAR S/N	S/N			dro Team-Pl Nut.Btl	MEL.	GFF vol	>10 Large Vol	GFF d	fup vol	>10 dup vol (large)			Comments or samples	
Transmiss S PAR S/N O2 SBE42S/	DEPTH			Nut.Btl	MEL	vol	Vol	GFF d	fup vol					
Transmiss S PAR S/N 02 SBE42S/ Nisk #	DEPTH				MEL.	E THE STATE OF THE	Vol	GFF d	fup vol					#
Transmiss S PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED			Nut.Btl	MEL	vol	Vol	GFF d	fup vol					1
Transmiss S PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED	3.4		Nut.Btl 0022	MEL.	250	Vol	GFF d	fup vol					1 2 3
Transmiss S PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED			Nut.Btl	MEL	vol	Vol	GFF d	fup vol					# 1 2 3 4
Transmiss S PAR S/N 02 SBE42S/ Nisk #  1 2 3 4 5	DEPTH DESIRED	3.4		Nut.Btl 0022	MEL.	250	Vol	GFF d	fup vol			Blank		# 1 2 3 4 5
Transmiss S PAR S/N 02 SBE42S/ Nisk # 1 2 3 4 5	DEPTH DESIRED	3.4		Nut.Btl 0022	MEL.	250	Vol	GFF d	tup vol			Blank		# 1 2 3 4 5 6
Transmiss S PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED	3.4		Nut.Btl 0022	MEL	250	Vol	GFF d	fup vol			Blank		# 1 2 3 4 5
Transmiss S PAR S/N 02 SBE42S/ Nisk # 1 2 3 4 5	DEPTH DESIRED	3.4		Nut.Btl 0022	MEL.	250	Vol	GFF d	fup vol			Blank		# 1 2 3 4 5 6
Transmiss S PAR S/N 02 SBE42S/ Nisk #	DEPTH DESIRED	3.4		Nut.Btl 0022	MEL	250	Vol	GFF d	fup vol			Blank		# 1 2 3 4 5 6 7
Transmiss S PAR S/N 02 SBE42S/ Nisk #  1	DEPTH DESIRED	3.4		Nut.Btl 0022	MEL.	250	Vol	GFF d	fup vol			Blank		# 1 2 3 4 5 6 7 8

			_			Č											
VESSEL <b>Northwest</b>	Explore	r	CRUISE	ID INWIC	1			PROJEC SECM/GO		G ( if nee	ded)	C		lame (None if WE 0/2		ed)	
CTD consec CAST #		ATITUDE		LONGITUDE		GM <sup>*</sup>		(note	if not)	GMT Time	rm	Surfac	ce Temp	BOTTOM DEPTH	STATION NUMBER	ST NAM	
017-	DEG 58	MIN .	DEG N   35	02.53	w	DA	AY 	MO	YR 1	HR	MIN 15	/ 1	°C)	(m) 12-3	18036	110	<u></u>
Sensor IDS SBE type and S/N PRESS S/N TEMP 1 &2 SNs COND 1&2 S/Ns FLUOR S/N 02 (SBE43) S/N Transmiss S/N PAR S/N	(initially	& swap-outs)	/	Weather: COMMENT: D	Diffic	ult c	cond	ditions, f	actors	that ma	ay affe	ect mea	asureme		rocessing	CTD MAX.	
Nisk #	DEPTH DESIRED	Rosette Notes	H SALT Btl	ydro Team-PMEL			SFF vol	>10 Lar	ge (	FF dup v	ni i	10 dup (large)	POC 500 ml		Comments		Nis #

Niek #	DEPTH	Rosette Notes	Н	ydro Team-PMEL	GFF	>10 Large	GEE dup vol	>10 dup	POC 500	Comments or other	Nis
Nisk #	DESIRED		SALT Btl	Nut.Btl	vol	Vol	GFF dup voi	vol (large)	ml	samples	#
1											1
2	0	4.2	217	-0024	250						2
3											3
4	60	60.8		0025	250						4
5									• 1001001001001001001		5
6						ļ					6
7						ļ					7
8				ļ							8
9											9
10	-100			6176			<u> </u>				10
11											11
12											12

						0					6 3			
VESSEL Northwes	st Explore	er	CRUISE	ID IN	W14		PROJECT SECM/GOA	& LEG ( if nee	eded)		CTD FileN	ame (None if	data is live fe	eed)
CTD conse		LATITUDE	.83	LONGITUE	DE	GMT DATE	(note if	GMT not) Time		Surfa	ce Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN AM	DEG	MI	IN W	DAY	МО	YR HR	MIN	(	(°C)	(m)		
Sensor ID	S (initially	/ & swap-outs)										Cast o		CTD MAX. DEPT(
PRESS S/N TEMP 1 &2 SNs COND 1&2 S/Ns FLUOR S/N O2 (SBE43) S/N			VCP VCC	18037 18090 18041	020	58 58 58 58 58	09.74 06.24 07.97	135 02.3 135 01. 135 01.	ay and 86	221 212 162 404	50.1 ~ 48.8 52.4 51.6	International parties or aid parties or aid parties or aid parties of the parties	1 4 03 PI 1 4 03 PI 1 4 6 4 6 6 10 1 8 32	М 14 РМ
	- - -	71							_				Š.	
PAR S/N O2 SBE42S/N	DEPTH	Rosette Notes		lydro Team-I		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other Nisl
PAR S/N	DEPTH DESIRED	Rosette Notes							(OL )		POC 500		3	or other Nisl
PAR S/N 02 SBE42S/N Nisk #		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other Nisi
PAR S/N O2 SBE42S/N		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other Nisl
PAR S/N O2 SBE42S/N Nisk #		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other Nisl #
PAR S/N 02 SBE42S/N Nisk # 1 2 3		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other Nisi #  1 2 3
PAR S/N 02 SBE42S/N Nisk # 1 2 3 4		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other les #  1 2 3 4
PAR S/N 02 SBE42S/N Nisk #  1 2 3 4 5		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other   Nisl   #   1   2   3   4   5   6   7
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5 6 7 8		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other # Nisi # 2 3 4 5 6 7 8
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5 6 7 8 9		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other   Nisl   #   1   2   3   4   5   6   7   8   9
PAR S/N 02 SBE42S/N  Nisk #  1 2 3 4 5 6 7 8		Rosette Notes	Н	ydro Team-l		GFF	>10 Large		(OL )	•10 dup	POC 500		Comments	or other # Nisi # 2 3 4 5 6 7 8

VESSEL Northwes	t Explore			CRUISE	ID INK	)14		PROJECT SECM/GOA			ed)	CTD FileN	ame (None if	data is live fee	ed)	
CTD conse		ATITUDE			LONGITUD	E	GMT DATE	(note i	not)	GMT Time	Sı	ırface Temp	BOTTOM DEPTH	STATION NUMBER	STN	
	DEG	MIN		DEG	MII	4	DAY	МО	YR	HR	MIN	(°C)	(m)	18044	ABN	4
013	58	21.99	N	134	40.0	0 1	v 03	7	1 4	3:00	) pm		52			
Sensor ID	S (initially	& swap-outs	13			<b></b>							49		CTD MAX. [	DE
BE type and S/N		25			Weather	*	1 '!								42	_
RESS S/N				1	COMME	NT: Diff	icult con	ditions, fa	ctors	that may	y affect	measureme	nts or aid p	rocessing		
2 (SBE43) S/N ansmiss S/N AR S/N 2 SBE42S/N	DEPTH	Rosette Notes	s	H	ydro Team-P	(5W	GFF	Last-	io e				1 Ke Bay	Static		N
lisk#	DESIRED		S	ALT Btl	NutBtl		vol	Vol	G	SFF dup vo	vol (lar			sample	Secretary and the	
	0	1.6			26		290	<del>-</del>								_
3											1					
	10	16.0														
		# 														
					ļ											Ŀ
7																1