YEAR: 2015 VESSEL: NW Explorer CTD CAST LATITUDI	plorer		CRUISE ID:	CRUISE ID: NW 15-02		PROJECT:	(50A		CTD	CTD FILENAME PANDY CTDEDY (None if data is live feed) Got_NW15CTD 40 1	this CIDIDA	DI School
CTD CAST LA	plorer				`	LEG:			(Non	e if data is live	feed) Got-NW	115ctmao1
	LATITUDE		LONGITUDE		GMT DATE	DATE	GMT	7	SURFACE TEMP	MP BOTTOM	:	STN.
# (consec.)		MIN	DEG	MIN	DAY	DAY MO	YR HR	HR MIN	(°C)	DEPTH (m)	1340E #	NAME/ID
	59	12-641 N	141	511.92	7 0 W		1 5 1	0 0 5	4.41	340	- -c	Y8430
Sensor IDs (In	(Initially & S	Swap-outs)	,	Weather:	overcast	-				CTD Max Depth =)epth = 700	
SBE type and S/N				(Difficult conditions, factors that may affect measurements or aid processing)	s, factors tha	t may affect r	neasuremen:	ts or aid pro	cessing)			
PRESS S/N				Comments:						į		
TEMP 1 & 2 S/Ns												
COND 1& 2 S/Ns												
FLUOR S/N												
02 (SBE43) S/N												
Transmiss S/N												
PAR S/N		-										
O2 (SBE42) S/N												
Depth	oth	Rosette	Hydra	Hydro Team-PMEL	GFF	F >10 Large	rge GFF (dup)		>10 Large	ලි	Comments or	
Desired	<u>a</u>	Notes	SALT Bti #	NUT. Btl #	Volume	Town of		Volume	Volume	(500 ml)	Other Samples	NISK #
1 200	1											-1
2 200		200		51		7 =						2
3 60		60		50								အ
4 40		7		49	250	0						4
S)								0				ر. د
6 30		30		48	250	,	33.72					6
7 70		20		华	250)	7.					7
8 10	?	0		460	SE SE SE	1						œ
9 0		7		34	750			<u>. </u>	10000			9
10										10		10
11												=
12												12

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YEAR: 2015 VESSEL: NW	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	CRUISE ID: NW15-02	- 1	PROJECT: د ا	(-OA	0.0	CTD FILENAME: $\zeta_{\emptyset}A_{-}N$	VE: GOA_ 1 is live fee	G04_1/W/5(TD)002)002
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	not)	GMT Time	SURFACE TEMP	E TEMP BO	BOTTOM	HAUL#	STN.
# (colloct.)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	MIN		טברוח (ווו)		NAME/ID
2	59	21.061 N	141	15.708	1 + 0 W	40 L 1	0 8 15	7	4.4	323	7	BF20
Sensor IDs	s (Initially &	Swap-outs)		Weather: O	over cast	7.6	100	2.7 Ko. 17	СП	CTD Max Depth =	19	٩
SBE type and S/N	N/S	100		(Difficult conditions, factors that may affect measurements or aid processing)	s, factors that m	nay affect mea	surements or aid	d processing)				
PRESS S/N				Comments:						50		
TEMP 1 & 2 S/Ns	S/NS			1								
COND 1& 2 S/Ns	NS NS	1,500										
FLUOR S/N	2											
02 (SBE43) S/N	S/N											
Transmiss S/N	z 											
PAR S/N												
02 (SBE42) S/N	N N											
1	Depth	Rosette	Hydi	Hydro Team-PMEL	유 유	>10 Large	GFF (dup)	>10 Large	POC		Comments or	
NISX #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume			Volume	(500 ml)	100	Other Samples	NISK #
1												1
2	200	199		58				56				2
ω	(60	(00		2								3
4	ųο	40		56	150	-			d			4
ហ												5
6	30	30		55	250							6
7	Vo	Vo .		54	250							7
œ	0	ઉ		\$3								œ
9	0	2	127	52	USO							9
10		7										10
11												
12												12

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YEAR: 2015 VESSEL: NW	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	NW15-0-	الم	PROJECT: (Croa		CTD FILENAME: (None if data is	ਭ l	GOA_NUISCTD O3	1003
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	TE not)	GMT Time	SURFA	SURFACE TEMP	воттом	UL #	STN.
# (collact.)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	MIN	(0)	סברוח (ווו)	_	NAME/ID
√ ^à	59	26.380 N	141	h54.70	W	701	1725	05 14.	9	212	لما 	YBFIO
Sensor IDs	(Initially	& Swap-outs)		Weather: o	overcest		j		C	CTD Max Depth =	()	0
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	is, factors that m	ay affect mea	surements or a	id processing)				
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	S/Ns											
COND 1& 2 S/Ns	NS											
FLUOR S/N												
02 (SBE43) S/N	ŠN 											
Transmiss S/N	2											
PAR S/N									0.6			
02 (SBE42) S/N	N/S											
	Depth	Rosette	Hyd	Hydro Team-PMEL		>10 Large	GFF (dup)	v		P C	Comments or	
NSX #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume		9	(dup)	(50	(500 ml)	Other Samples	NISK #
-												1
2	200	200		68								2
ω	60	60		12 P								အ
4]	40	40		. 63	250							4
5	44444444444										P	5
თ	30	30		62	250							ഒ
7	20	20		ام)	250					63		7
œ	10	10		(00)								8
9	0	3.5		59	250		0.52					9
10										:	:	10
												11
12									4.			12

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YEAR: 2015	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	CRUISE ID: //W/5-02		PROJECT: LEG: (GOA	6	CTD FII	CTD FILENAME: 600 , (None if data is live feed)	600	4000
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	TE not)	GMT		SURFACE TEMP	ВОТТОМ	UL #	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	МО	YR HR	<u>X</u>	(0)	רבר זה (m)		NAME/ID
H	18	37.521 N	040	53.843	W 0 7	201	5 23	<u>Σ</u>	15.0	401	4	YSKØ
Sensor IDs	(Initially	& Swap-outs)		Weather:	3	200	4	11.1		CTD Max Depth =	epth = 99	-
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	s, factors that n	nay affect me	asurements	or aid proc	essing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	S/Ns											
COND 1& 2 S/Ns	Ns.											
FLUOR S/N												
02 (SBE43) S/N	S/N											
Transmiss S/N	z 											
PAR S/N		0										
02 (SBE42) S/N	N N											
	Depth	Rosette	Hyd	Hydro Team-PMEL	유	>10 Large	e GFF (dup)		>10 Large	P C C	Comments or	
NISK #	Desired	Notes	SALT Bti #	NUT. Btl #	Volume	500000	77		Volume	(500 ml)	Other Samples	S NISK #
- 1				,								-
2	100	99	128	72								2
ω	60	60		+						4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		ω
4	40	40		70	250			~				4
5												5
6	30	30		69	250							6
7	20	20		68	250							7
8	0	0		67								8
9	Ø	2		99	250							9
10												10
												11
12							1					12

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YEAR: 2015	YEAR: 2015 VESSEL: NW Explorer	1	CRUISE ID:	CRUISE ID: MW15-0	7	PROJECT: (G-0 A	(N)	CTD FILENAME: ♠○♠← (None if data is live feed)	SIMN	CTDOOS
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	TE not)	GMT Time	SURFACE TEMP	TEMP BOTTOM	1 HAUL #	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO \	YR HR MIN	(0)	טברוח (ווו)	1)	NAME/ID
N	59	38-830 N	140	846.82	TOW	701	0515	12.1	101	4	YEE
Sensor IDs)s (Initially &	(Swap-outs)		Weather:	OVECCA St		100		CTD Max Depth	= S	4
SBE type and S/N	N/S			(Difficult condition	ns, factors that n	nay affect mea:	(Difficult conditions, factors that may affect measurements or aid processing)	ocessing)			i
PRESS S/N				Comments:							
TEMP 1 & 2 S/Ns	S/Ns	*									
COND 1& 2 S/Ns	S/NS										_
FLUOR S/N											
02 (SBE43) S/N	N/S										
Transmiss S/N	ž			÷							
PAR S/N											
02 (SBE42) S/N	N/S										
	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	>10 Large	POC	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl#	Volume		1700	(oup) Volume	(500 ml)	Other Samples	ies Nisk #
_								-			-
2											2
ω	60	55		78							ω
4	40	Oh		47	250						4
5											5
6	20	30		76	250						o
7	20	w		75	250						7
8	0	10		74							œ
9	0	2.5		24	250				# D # C B # # # C B B # # # # B B # # # # B B # # # #		9
10								<u></u>			10
=											
12											12

YEAR: 2015	5	1	CRUISE ID:	MM5-52		PROJECT:	60A			CTD FILE	NAME: GOA	CTD FILENAME: GOA_NWISCTO 106	D) 00 G
VESSEL. IN	AESSEL: MA EXPIOIEI					רבים:				(NOISE II	(None II data is live reed)	jed)	
CTD CAST	LATITUDE		LONGITUDE		(note if not)	ATE f not)	1 0	GMT Time	SURF,	SURFACE TEMP	BOTTOM	HAUL #	STN.
# (collact)	DEG	MIN	DEG	MIN	DAY	МО	ÝR		MIN	(0)	טבו ווו (ווו)		וייין דיין דיין
6	59	32.308 N	140	37.568	W 08	JUL	2	1 7 3	# 1 S	5.2	260	6	18E10
Sensor ID	Sensor IDs (Initially &	& Swap-outs)		Weather: 0ve	OVETCAST	2	á	3			CTD Max Depth =	20	0
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	factors that I	may affect m	easureme	ents or aid	processing)				
PRESS S/N				Comments:									
TEMP 1 & 2 S/Ns	Ns												
COND 1& 2 S/Ns	NS												
FLUOR S/N													
02 (SBE43) S/N	¥ 												
Transmiss S/N													
PAR S/N													
02 (SBE42) S/N	N N												
	Depth	Rosette	Hydi	Hydro Team-PMEL	<u>위</u>	>10 Large		GFF (dup)	>10 Large	ge	<u>ල</u>	Comments or	
Nisk #	Desired	Notes	SALT Btl #	NUT. Btl#	Volume		Ver 50	Volume	(dup) Volume		(500 ml)	Other Samples	Nisk #
1								·					1
2	208	200		85									2
ω	60	60		Ь8									ω
4	40	U D		83	250					16			4
ç													ъ
6	30	29		81	250	0							6
7	20	28		8/	250								7
œ	0	-0		800									œ
9	0	V	129	70	050		i 	Ď † † † †		• • • • • • • • • • • • • • • • • • •			9
10						!							10
1							i 4 4 6 6	1 1 1 1 1 1 1 1 1					
12				-									12

,													
YEAR: 2015	5 W Explorer		CRUISE ID:	NWIS-0	20	PROJECT:	400		2 Ω	CTD FILENAME:	<u></u>	GOA_MUISCIDOOF	40001
CTD CAST	LATITUDE	g c	LONGITUDE		GMT (note	GMT DATE (note if not)	<u>∃</u> ₽	GMT Time	SURFACE TEMP	TEMP B	воттом	HAUL #	STN.
" (collact.)	DEG	MIN	DEG	MIN	DAY	MO	YR	HR MIN			עברוה (ווו)		NAME/ID
4	59	13.927 N	190	18.469	8 0 M	J 11	152	0 (7 715.3	3	149	7	YBE 20
Sensor IDs	s (Initially &	Swap-outs)		Weather:	Ovescast	7			75.0		CTD Max Depth =		140
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	ons, factors tha	it may affect п	ıeasuremer	its or aid p	rocessing)				
PRESS S/N				Comments:	577	20	5	5 a.(Ealnite	1 au		0 × 0 ×	Jawa-
TEMP 1 & 2 S/Ns	Ns 				اب اب	9			\	,	C		;
COND 1& 2 S/Ns	NS 												
FLUOR S/N												Æ	
02 (SBE43) S/N	ž												
Transmiss S/N													
PAR S/N													
02 (SBE42) S/N	2												
	Depth	Rosette	Hydi	Hydro Team-PMEL	유	F >10 Large		GFF (dup)	>10 Large	POC	ಗ	Comments or	
NSK #	Desired	Notes	SALT Bti #	NUT. Btl #	Volume	11.00	V 7	Volume	(dup)	(500 ml)) m)	Other Samples	Nisk #
1 .		,											3
2	100	140		92									2
ω	leo	60		16) } } } }								w
4	oh	0 h		9.0	250	0							4
5													5
6	30	30		\$	250								6
7	20	20		88	250	0	250	Ø					7
&	10	0]		48									œ
9	0	2		86	250								9
10													10
11													11
12						•							12

YEAR: 2015	YEAR: 2015		CRUISE ID:	20-51MN		PROJECT:	G-01		CTD FILENAME:	-	8004-NWISCIDOOS	800 T
CTD CAST	LATITUDE		LONGITUDE		GMI D		GMT	SL	SURFACE TEMP	воттом		STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	<u>Z</u>	(0,	DEPIH (m)		NAME/ID
8	UI _º	15.558 N	140	59.168	W 0 99	901	522	2	15.1	1006	8	YBE30
Sensor IDs	(Initially	& Swap-outs)		Weather: 000	OVES CASL					CTD Max Depth =	pth = 759	9
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	s, factors that n	nay affect mea	asurements or	r aid processi	ng)		į	
PRESS S/N				Comments:				-				
TEMP 1 & 2 S/Ns	S/Ns			Salinity both		130 booke justed next	15 Jusa	d Next	50 tile.			
COND 1& 2 S/Ns	Ns			(
FLUOR S/N												
02 (SBE43) S/N	S/N											
Transmiss S/N	z 			ř								
PAR S/N												
02 (SBE42) S/N	% 											
	Depth	Rosette	Hyd	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)		>10 Large	8	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume		10	100	Volume ((500 ml)	Other Samples	NISK #
			,									1
2	160	159	130	9								2
ω	le o	605		98			• • • • • • • • • • • • • • • • • • •					ω
4	Чo	ηo		40	250							4
5												5
6	30	90		960	250							6
7	20	20		95	250							7
8	10	11		74								œ
9	0	2		93	750							9
10	34											10
								1 1 1 1 1 1 1 1 1		4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		
12											c	12

TRANK 2015 CRUNSE ID:		C												
Contractive	YEAR: 201	5		CRUISE ID:		P	.	GOX		СТВ	FILENAME:	60A-	NW15CR	8009
Controller Con	VESSEL: N	W Explorer				\ 	EG:			(Nor	ne if data is	live feed)	
DEG May DEG May Mo YR HR May YR YR YR YR YR YR YR Y	CTD CAST			LONGITUDE		GMT DA:	TE not)	GMT Time		SURFACE TE				STN.
59 07-273 N 191 09-377 W 09-370 U 50 120 14,9 207 9 1685	# (collect)		MIN	DEG	MIN	DAY			MIN	(0)	טפרוח	(111)		NAME/ID
	٩	59		15/	797	<i>0</i> 9	100	0	2 6	, h	20	7		8540
Comments	Sensor ID		Swap-outs)			Y					CTD N	1ax Depti	2	Ò
2 5/Ns 2	SBE type and	S/N			(Difficult conditions, f	actors that m	ay affect me:	asurements (or aid proce	ssing)				
2 S/Ns 2 S/Ns N 3) S/N 2) S/N Dashred Notes SALT Bil # NI/T. Bil # Volume Pydro Team-PMEL Dashred Notes SALT Bil # NI/T. Bil # Volume 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRESS S/N				Comments:									
2 5/Ne	TEMP 1 & 2 S	/Ns												
N 2) S/N	COND 1& 2 S	Ns												
3) S/N	FLUOR S/N													
2) S/N	02 (SBE43) S	2												
Depth Rosette Hydro Team-PMEL OFF 210 Large OFF (dup) Other Samples	Transmiss S/I	_												
Popth Rosette Hydro Team-PMEL GFF 10 Large GFF (dup) (dup) (dup) (dup) (500 m) Comments or	PAR S/N													
Depth Desired Rosette Notes Hydro Team-PMEL SALT Btl # Notes GFF (dup) Volume < 10 Large (dup) Volume	02 (SBE42) S	2												
Desired Notes SALT BH # NIJT. BH # Volume Volume Volume Volume Volume (500 ml) Other Samples	Nucl. 4	Depth	Rosette	Hydr	o Team-PMEL	GFF	>10 Large		- 1	0 Large	POC	Ω	omments or	8
200 200 106 106 60 60 105 250 40 40 104 250 30 30 20 103 250 30 30 10 10 10 250 30 30 30 30 10 10 100 150 30 <td< th=""><th># ASIA</th><th>Desired</th><th>Notes</th><th>SALT Btl #</th><th>NUT. Btl #</th><th>Volume</th><th></th><th></th><th></th><th>olume</th><th>(500 ml)</th><th>100</th><th>her Sample:</th><th>20000</th></td<>	# ASIA	Desired	Notes	SALT Btl #	NUT. Btl #	Volume				olume	(500 ml)	100	her Sample:	20000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$														1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	200	200		106		-				1			2
4φ 4φ 1φ 250 3φ 3φ 103 25π 10 1φ 101 25π 0 3 1φο 25π 10 3 1φο 25π	w	60	00		Jos									3
30 30 103 250 103	4	40	Чø		104	250								4
30 30 103 250 100 101 250 100	Сī													5
10 10 101 250 10 101 250	ത	30	30		103	250								6
	7	20	20		lor	250								7
0 3 160 250	œ	0	10		101									8
	9	0	W		100	250								9
	10			-									i	10
	11									e)				11
	12								_					12

PROJECTI VECARIZIONS VEC		(
Comments	YEAR: 2015			CRUISE ID: /				04	0	TD FILENA		-NWIS-C	TOOIG
LATITUDE	VESSEL: NA	/ Explorer			M 12 -	\	 -	 		None if dat	a is live fe	ed)	
Deg	CTD CAST	LATITUDE		LONGITUDE		GMT DAT (note if n	et)	GMT Time	SURFACE		MOTTO	HAUL #	STN.
58	" (collact)			DEG	MIN	DAY		_			(11)		NAME/ID
## Comments: Cliffout conditions, factors that may affect measurements or aid processing) Comments	10	58		141		0	ر ر	150	. H		h85		BC10
## SAV	Sensor IDs	Qο	Swap-outs)			Ypne				CT	D Max De	N	ŏ
Comments:	SBE type and S	2			(Difficult conditions	, factors that ma	y affect measur	ements or aid p	rocessing)				
25 N/s	PRESS S/N				Comments:						4		
12 S/Ne	TEMP 1 & 2 S/	র্জ 											
N	COND 1& 2 S/I	tr.											
13) S/N	FLUOR S/N												
25 S/N	02 (SBE43) S/	z											
Depth Rosette Phydro Team-PMEL OFF STO Large OFF (dup) Comments or Volume Com	Transmiss S/N				9								
Depth seired Rosette Rosette Hydro Team-PMEL Set Fesired GFF (dup) Volume >10 Large (dup) Volume POC (dup) (300 ml) Comments or Other Samples 90 \$\mathcal{L}_0 \times\$ \$\mathcal{L}_1 \times\$ \$\mathcal{L}_1 \times\$ Volume Volume POC (dup) (300 ml) Other Samples \$0 \$\mathcal{L}_0 \times\$ \$\mathcal{L}_1 \times\$ \$\mathcal{L}_2 \times\$ \$\mathcal{L}_1 \times\$ \$\mathcal	PAR S/N				i								
Depth Desired Rosette Desired Hydro Team-PMEL SALT Btl # NUT. Btl # Nutre Nolume GFF (dup) (dup) (dup) (dup) (dup) (500 m) POC (dup) (500 m) Comments or Other Samples 100 110 110 250 300 <th>02 (SBE42) S/</th> <th>2</th> <th></th>	02 (SBE42) S/	2											
Desired Notes SALT Btl # NuT, Btl # Volume Volume Volume (dup) (500 ml) Other Samples		Depth	Rosette	Hydr	o Team-PMEL	SFF	>10 Large	GFF (dup)	>10 Large	8	ň	Comments of	210
1000 1000 113 <td< th=""><th></th><th>Desired</th><th></th><th>SALT Btl #</th><th>NUT. Btl #</th><th>Volume</th><th>Volume</th><th>Volume</th><th>(dup)</th><th>(500</th><th>副</th><th>Other Sample</th><th>and the second</th></td<>		Desired		SALT Btl #	NUT. Btl #	Volume	Volume	Volume	(dup)	(500	副	Other Sample	and the second
10 b 108 250 60 60 60 111 250 60 60 60 60 60 60 60 60 60 60 60 60 60													_
40 41 11 250 30 30 108 109 250 10 10 10 250 10 10 10 10 250 10 10 10 10 250 10 10 10 10 10 10 10 10 </td <td></td> <td>,00</td> <td>200</td> <td></td> <td>113</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td>		,00	200		113								2
40 41 111 250 30 30 30 100 250 10 10 108 250 0 132 107 250 10 10 108 108 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10		00	60		(2								ω
30 38 /10 250 109 250 109 108 109 108 109 108 109 10		40	4,			250							4
30 20 10 100 250	ъ												5
10 lb 108 250		30	30		//0	250							6
10 lb 108 108 108 108 108 108 108 108 108 108		20	\mathcal{E}		109	250							7
0 N 132 107 150	60	10	6		108								œ
	9	0	7		Lo1	250							9
	10												10
	1 1												11
	12												12

										-	
YEAR: 2015	YEAR: 2015		CRUISE ID:	70-71M	,	PROJECT: GOA	A	CTD FIL	CTD FILENAME: C-0A - WOIS		CTD P(
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	et) =	GMT Time	SURFACE TEMP		# #	STN.
# (collact.)	DEG	MIN	DEG	MiN	DAY	MO YR	HR MIN		DEPTH (m)		NAME/ID
-1	85	31. 431 N	141	2,11,80	MOD DO	5170	1814	14.2	3466	1 (48C70
Sensor IDs	s (Initially &	Swap-outs)		Weather: cl	VAP00				CTD Max Depth =	pth = 20	0
SBE type and S/N	S/N			(Difficult conditions, factors that may affect measurements or aid processing)	s, factors that may	y affect measure	ements or aid pro	cessing)			
PRESS S/N				Comments:							
TEMP 1 & 2 S/Ns	NS										
COND 1& 2 S/Ns	/Ns										
FLUOR S/N											
02 (SBE43) S/N	Ň										
Transmiss S/N											
PAR S/N											
02 (SBE42) S/N	N N										
Nii-t- di	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	>10 Large	P C C	Comments or	
400.7	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	1 =3		(dup)	(500 ml)	Other Samples	S Nisk #
_											
2	200	200		120							2
ω	teo	60		11 9				:			ω
4	07	40		118	250						4
5											5
6	30	7		7	250		250				6
7	8	20		ا(له	150			i			7
œ	0	0		115	.ā.						œ
9	O	7		114	250						9
10											10
=											11
12											12

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YEAR: 2015 VESSEL: NW	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	CRUISE ID: NW 15-02	PRO_	ECT:	604		CTD FILENAME: ぴゃヘーインレレレ゚ーイト ゃィ こ(None if data is live feed)	s live feed)	10 acm	۷
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	ot)	GMT Time	SURFAC	SURFACE TEMP BOT	BOTTOM HA	#	STN.
(001000)	DEG	MIN	DEG	MIN	DAY	MO YR	HR	MN	(c)	סבר והי (ווו)		NAME/ID
7	58	48.149 N	140	47.854	C. 6 0 M	INN	5 2 2 1	h1 5	7 20	1 50	7 7	3050
Sensor IDs	(Initially	& Swap-outs)		Weather: Pa	pastly ch	cloudy			CTD	CTD Max Depth =	1= /95	የ
SBE type and S/N	S/N			(Difficult conditions, factors that may affect measurements or aid processing)	factors that ma	y affect meas	urements or aid	processing)	7			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	NS											
COND 1& 2 S/Ns	Ns 	W14										
FLUOR S/N												
02 (SBE43) S/N	2											
Transmiss S/N	_											
PAR S/N												
02 (SBE42) S/N	2											
# H	Depth	Rosette	Ну	Hydro Team-PMEL	윢	>10 Large	GFF (dup)	>10 Large	POC	Co	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume	Volume	(dup) Volume	(500 ml)		Other Samples	Nisk #
-												_
2	200	195	133	127								2
ω	60	60		126	0 0 D D D D D D D D D D D D D D D D D D							3
4	40	90		125	250							4
5					P							ហៈ
6	30	30		124	750							6
7	S	20		123	250							7
8	10	Н		122								œ
ဖ	0	3		121	150							9
10												10
1												11
12				,								12

PESSEL: NW Endoteser CRU INT DRE IN CRU INT DRE IN		(
AUTITUDE CONGITUDE CONGI	YEAR: 201	15			NW15-02	- -	ROJECT:	0-0	A	0	TD FILEN.	AME: GOX	4-NWCTO	013
AST LATITURE LONGITURE CONGITURE	100	ראסיכיכי	!				נים.				NOTIE II OZ	ita is live is	sed)	
DEG	CTD CAST			LONGITUDE		GMT DA (note if	TE not)		SMT	SURFAC		зоттом		STN.
S8 S6 S19 N 19 to 37 30 N 0 7 30 1 1 5 0 0 4 7 35 0 184 13 16 184 13 16 184 13 14 15 184 13 14 15 184 13 14 15 184 13 14 14 15 184 13 14 14 15 184 13 14 14 14 14 14 14 1			MIN	DEG	MIN	DAY	MO	ΥR				ברוח (ווו)		NAME/ID
	13	5	.519		301	40	70 1	5	0	4	0	184	13	48640
Comments: Comments:	Sensor ID	(Initially			ρας		cloudy				C	TD Max De	_	0.
Comments: Comments:	SBE type and	I S/N			(Difficult conditions, fa	ctors that m	ay affect me	asurem	ents or aid	processing)				
2 S/Ns 2 S/Ns Ns N	PRESS S/N				Comments:				:					
2.5/Ns N N N N N N N N N N N N	TEMP 1 & 2 S	S/Ns												
N (a) S/N (a) (b) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	COND 1& 2 S) Ns												
S/N	FLUOR S/N													
Comments or Depth Rosette Hydro Tearn-PWEL GFF Volume Volume	02 (SBE43) s	S/N												
Comments or Depth Rosette Phydro Team-PMEL GFF S10 Large Depth Comments or Desired Notes SALT Btl # NUT. Btl # Volume Volume Volume Volume Volume C500 mi) Comments or C500 mi) Comments or C500 mi C500	Transmiss S/	z												
Comments or Depth Desired De	PAR S/N													
Depth Desired Rosette Desired Hydro Team-PMEL SALT Btl # NuT. B	02 (SBE42) 9	S/N												
Desired Notes SALT Btl # NuT. Btl # Volume Volume Volume Volume Volume (dup) Other Samples		Depth	Rosette	Hydr	o Team-PMEL	GFF	>10 Larc	cou it	F (dup)	>10 Large	9	8	Comments or	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	NISK #	Desired	Notes	SALT Btl#	NUT. Btl #	Volume	250		olume	(dup) Volume	(50	0 m)	Other Sample	200
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$														_
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	180	176		ι3 4				1000	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				2
40 40 131 250 22 30 131 250 10 129 250 10 129 250 10 129 250	ω	60	600		33									ω
20 70 131 250 27 01 131 250 250 27 131 250 250 27 131 250 27 250 27 131 250 250 250 250 250 250 250 250 250 250	4	чо	40		132	250								4
250 30 131 250 131 250 131 250 131 250 131 131 250 131 131 131 131 131 131 131 131 131 13	5								Λ					5
10 179 128 179 17	6	220			131	250								6
10 10 129 289 289 389 389 389 389 389 389 389 389 389 3	7	20	20		150	250								7
0 2 128 239	8	10	10		29									œ
	9	0	7		128	BI								9
	10													10
	11	777777777777777777777777777777777777777												11
	12	:					5							12

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YEAR: 2015	15		CRUISE ID:	CRUISE ID: A/I NEC 500		PROJECT:	400		CTD FILENAME:		6-09- NW 15-CTD0 14	7014
A L'20LL.	ALPOCET: IAAA EVOIGIGI			< (2	LEG: (2		(None in	(None it data is live feed)	ed)	
CTD CAST	LATITUDE		LONGITUDE		(note if not)	TE not)	GMT	SUE	SURFACE TEMP		HAUL #	STN.
(00115001)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	XIN.	(סברוח (ווו)		NAME/ID
ナー	59	04,565 N	140	27.060	0 1 M	2 4 1	5 1 5	20	1.51	451	14	YBC3&
Sensor IDs	(Initially	& Swap-outs)		Weather: C	(oudy					CTD Max Depth =		130
SBE type and S/N	N/S F			(Difficult conditions, factors that may affect measurements or aid processing)	s, factors that m	ay affect mea	surements or	aid processin	g)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	S/Ns											
COND 1& 2 S/Ns	S/Ns											
FLUOR S/N				- 11								/
02 (SBE43) S/N	S/N											
Transmiss S/N	Z											
PAR S/N												
02 (SBE42) S/N	N/S											
	Depth	Rosette	Нyd	Hydro Team-PMEL	GFF .	>10 Large	GFF (dup)	v	arge	POC	Comments or	
NDK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	ALC: NO	14.79	(dup)		(500 ml)	Other Samples	Nisk #
												1
2	(30	130		141								2
ω	60	1.00		140								ω
4	Oh	40		139	250							4
5												5
6	30	20		138	250							6
7	20	20		127	250							7
8	10	0 }		136								œ
9	0	u	134	135	<i>a</i> SI							9
10												10
11	***************************************											11
12					-							12

YEAR: 2015	5		CBI IICE ID:	, h , r , r , 2 , 2	PR(PROJECT: GOA	Ā	CTD F	CTD FILENAME: GOA	- NWISCHDOIS	2015
VESSEL: NW Explorer	W Explorer		CRUIDE ID.	CRUISE ID: WW15-0 C	LEG:	ទ		(None	(None if data is live feed)	ed)	
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	ot)	GMT Time	SURFACE TEMP		HAUL#	STN.
# (collact.)	DEG	MIN	DEG	MIN	DAY	MO YR	HR	MIN	סבו ווו (וווי)		7
15	59	N £t6.21	oh (15.46	W 1 0 7	JUL 15	17	4 1 15.2	122	15 4	0278A
Sensor ID:	Sensor IDs (Initially & Swap-outs)	Swap-outs)		Weather: Cle	Cloudy				CTD Max Depth =	pth = //5	- 1
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	factors that may	/ affect measu	rements or aid	processing)	2		
PRESS S/N				Comments:							
TEMP 1 & 2 S/Ns	/Ns	w ! u = u = u =									
COND 1& 2 S/Ns	Ns		en inchina								
FLUOR S/N											
02 (SBE43) S/N	≥										
Transmiss S/N											
PAR S/N											
02 (SBE42) S/N	N									# (F)	Ĺ
	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	>10 Large	POC	Comments or	
Nisk #	Desired	Notes	SALT Btl #	NUT. Bti #	Volume	Volume	Volume	(aup) Volume	(500 ml)	Other Samples	S NISK
1											
2	115	115		148							2
ω	60	60		441							ω
4	40	do.		140	250		250				4.
и											5
ത	30	30		Shi	250					:	6
7	20	lo]		ት ት	250						7
œ	MO	10		143							œ
9	0	2		142	250				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70	9
10											10
11											11
12											12

YEAR: 2015	YEAR: 2015		CRUISE ID:	CRUISE ID: 15-02	PROJ	PROJECT: 60A		CTD F	CTD FILENAME: GOA, MUISCTDの6	4. NWISCT	9/6
CTD CAST	T LATITUDE		LONGITUDE		GMT DATE (note if not)		GMT Time	SURFACE TEMP	IP BOTTOM	# 	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(0)	טפרות (ווו)		ואאויוני/ וט
6) ₂ S	N 512-12	140	1814.ha	M 1 0 2	U L 15	6201	15.8	161	16 1	BC/0
Sensor IDs	Ds (Initially &	Swap-outs)		Weather: ८(०	00dy				CTD Max Depth =	epth =	
SBE type and S/N	N/S bi			(Difficult conditions, factors that may affect measurements or aid processing)	factors that may	affect measurer	nents or aid prod	essing)			
PRESS S/N				Comments:							
TEMP 1 & 2 S/Ns	S/Ns										
COND 1& 2 S/Ns	S/Ns										
FLUOR S/N											
O2 (SBE43) S/N	N/S (
Transmiss S/N	Š										
PAR S/N											
02 (SBE42) S/N	S/N										
	Depth	Rosette	Hydr	Hydro Team-PMEL	유	>10 Large G	GFF (dup)	>10 Large	PC	Comments or	
Nisk #	Desired	Notes	SALT Btl #	NUT. Btl #	ā			Volume	(500 ml)	Other Samples	S NISK #
1											_
2	55	155	135	155							2
ω	60	60		184							ω
4	40	4.0	:	153	250						4
5	À									1	5
6	30	> o		152	250						6
7	20	20		151	250						7
œ	10	10		150							80
9	0	W		149	250						9
10											10
11											13
12							_				12

											0	
YEAR: 2015	15	i	CRUISE ID:	CRUISE ID: A/, 51/-07	- 73	ECT:	6-0A		CTD FI	CTD FILENAME: GOA-MUSISCIBOI7	1-111115C	41097
AE996F. 1	AEOOET: MAN EXPIOIEL			V . C		רבט.	7		DIIONI	(MOLIGINATION OF THE PROPERTY	ecu)	
CTD CAST	LATITUDE		LONGITUDE		(note if not)	not)	GMT	<u> </u>	SURFACE TEMP		HAUL #	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	MIN	(0)	טברוח (וווו)		NAME/ ID
7	55	29.455 N	139	53.727	w 103	하이니!	523	07	14.8	81	17	48 CB
Sensor IDs	Os (Initially &	k Swap-outs)		Weather:						CTD Max Depth =	epth =	
SBE type and S/N	d S/N			(Difficult conditions, factors that may affect measurements or aid processing)	actors that ma	ay affect mea	surements o	r aid proces	sing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	S/Ns											
COND 1& 2 S/Ns	S/Ns											
FLUOR S/N]	N. W.										
02 (SBE43) S/N	N/S											
Transmiss S/N	2											
PAR S/N												
02 (SBE42) S/N	S/N											_
	Depth	Rosette	Hydi	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)		>10 Large	POC	Comments or	
NSK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume	F 199		Volume	(500 ml)	Other Samples	150
→												
2	75	75		162								2
ω	60	60		161						7 P P B B B B B B B B B B B B B B B B B	- 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	3
4	40	2		(60	250							4
и												U
6	30	30		157	250							o
7	20	20		158	250							7
œ	[O	-9		157								œ
9	0	2.5		1 500	250							9
10	: :											10
-					44444							11
12							 					12

YEAR: 2015	5		CRUISE ID: /	CRUISE ID: 1/15/5-02	P	ECT:	GOA		CTD FIL	CTD FILENAME: Cら	COA-NWISITA OI &	50
OTTO CACT IN ATITUDE	יי אדודו וחב		י טאיטידו ישנ		GMT DATE	l'	GMT	_	WITH TOWN			}
# (consec)	LATTIONE		רטאפווסטב		(note if not)	not)	Time		SURFACE LEMP	DEPTH (m)	HAUL#	NAME/ID
# (collact.)	DEG	MIN	DEG	MIN	DAY	Mo	YR HR	ž	(S	[i i
18	59	18.195 N	139	21.068 W	1 1 3	2 UL 1	5 1 5	0	14,3	53	18 1	YBAQ
Sensor IDs	(Initially &	Swap-outs)		Weather: OVErcast	_	F0334				CTD Max Depth =	pth = 49	
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	ctors that ma	ay affect me	asurements o	r aid proces	sing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	NS											
COND 1& 2 S/Ns	/NS											
FLUOR S/N												
02 (SBE43) S/N	ž											
Transmiss S/N	2											
PAR S/N	1	i s										
02 (SBE42) S/N												
Zik #	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	v	0		>10 Large (dub)	РОС	Comments or	Nisk #
T THE STATE OF	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume	Volume		Volume	(500 ml)	Other Samples	, ILSE
1												
2	Table of			168								2
w	<u>0</u>	49		1674	-				4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			3
4	yo	40		16614	250							4
5								_				ر ا
თ	30	30.		165,6	250							ര
7	S	70		1694	250							7
ထ	10	lo		163/2								68
9	Ø	3	136	ner	250						50000000000000000000000000000000000000	9
10		:								i		10
11												11
12												12

YEAR: 2015 VESSEL: NW	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	CRUISE ID: NW15-02	Ì	PROJECT: (GOA		CTD FIL	CTD FILENAME: $-(-0.4-NWCro \mid 7)$ (None if data is live feed)	eed)	310
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	TE not)	GMT Time	SUR	SURFACE TEMP		HAUL #	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	MIN	(0)	טברוח (וווו)		אַלאוני/ וֹט
	59	09.979 N	139	32.249 W	- u	1 7 n	5 1 7	30	8,5	135	e_	YBA 10
Sensor IDs	s (Initially &	(Swap-outs)		Weather:						CTD Max Depth	= /	30
SBE type and S/N	S/N			(Difficult conditions, factors that may affect measurements or aid processing)	actors that ma	ay affect me	asurements or a	aid processing) 			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	Ns											
COND 1& 2 S/Ns	/Ns											
FLUOR S/N												
O2 (SBE43) S/N	ž											
Transmiss S/N	_											
PAR S/N												
02 (SBE42) S/N	N N											10 0
Nisk #	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	e GFF (dup)			POC (500 ml)	Comments or Other Samoles	or Nisk #
	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS OF THE PERSON NAMED IN COLUMN TO PERSON NAMED IN C	The state of the s			The second second second			A COLOTING	ā			
		و معموم موجود و بالمجاهد و موجود و موج										_
2	130	130		子								2
ω	60	(P)		カセー								ω
4	40	4 (が	250			7.70) - L-3			4
5				u W		N - 2			i/			5
6	30	30		10pc	250							6
7	20	2.49		641	250					8.5		7
60	10	0)		0年)								œ
9	0	3		[6g]	250						وميدة والمقالية والمقالية والمقالة والم	9
10												10
11												
12												12

	((
YEAR: 2015	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	CRUISE ID: //W 15-02	١	PROJECT: LEG:	604		CTD FILENAME:		5/2	C70020
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	not)	GMT	S	SURFACE TEMP	воттом	#	STN.
# (collect.)	DEG	MIN	DEG	NIN	DAY	MO	YR HR	<u>s</u>		DEPIH (m)	9	NAME/ID
So	59	01.877 N	139	43-400	M 1 1 2	2011	520	2 8	15.2	118	30 {	BAZO
Sensor IDs	s (Initially &	Swap-outs)		Weather: OVe	overcust, d	1:22/e				CTD Max Depth =		0
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	actors that ma	ay affect mea	surements o	r aid proces	sing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	\s\											
COND 1& 2 S/Ns	Ns											
FLUOR S/N												
02 (SBE43) S/N	2											
Transmiss S/N												
PAR S/N												
02 (SBE42) S/N	N	0.00										
H 1-114	Depth	Rosette	Hydr	Hydro Team-PMEL	유	>10 Large	GFF (dup)		>10 Large	R R	Comments or	
NISK #	Desired		SALT Btl #	NUT. Btl #	Volume	Volume	Part I	C.M.E.	Volume ((500 ml)	Other Samples	s Nisk #
-1												-1
2	110	110	137	182								2
ω	(00	60		181								ω
4	40	ત્		180	252							4
ហ	**											5
6	30	30		179	285							6
7	20	20		178	250							7
ω	0	10		777								8
ဖ	0	7		176	756		250		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			9
10												10
11			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1
12												12

											0	
YEAR: 2015	5		CBI IISE ID:		<u>م</u>	PROJECT:	GOA		СТ	CTD FILENAME: GOA _ Nいこつっこ(4-NWCTO	12.0
VESSEL: N	VESSEL: NW Explorer		מאטוטר יטי	CKP12 12-0 5	_	LEG: ((No	(None if data is live feed)	feed)	
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	TE not)	GMT Time	GMT Time	SURFACE TEMP		, HAUL#	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO	YR I	HR MIN	V (C)	DEF 181 (111)		ואין אין די
2	58	57.504N	139	54.332 W	ED	サリト	152	3 0	2 15,0	156	21	YBASO
Sensor IDs	s (Initially &	Swap-outs)		Weather: Brescast	ast					CTD Max Depth =		50
SBE type and S/N	S/N			(Difficult conditions, factors that may affect measurements or aid processing)	ctors that m	ay affect m	easuremen	ts or aid p	rocessing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	Ns											
COND 1& 2 S/Ns	Ns											
FLUOR S/N				ě								
02 (SBE43) S/N	ž 											
Transmiss S/N												
PAR S/N												
02 (SBE42) S/N	 									•		
Nii-t ±	Depth	Rosette	Hydr	Hydro Team-PMEL	윆	>10 Large		GFF (dup)	>10 Large	POC	Comments or	Or Nick #
T AGIV	Desired	Notes	SALT Btl #	NUT. Btl #	Volume			Volume	Volume	(500 ml)	Other Samples	
1												_
2	150	150	-	- 80								2
သ	(00)	(00		ି ବ୍ୟ ଓଡ଼ି								ω
4	40	40		- S	250							4.
и												5
6	30	50		dr.h	250							ര
7	20	20		186	250							7
8	10	10		184								œ
9	G			1 E 3 1	250				4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			9
10												10
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YEAR: 2015	5		CRI IISF ID:	7111	용	PROJECT: G-OA	70A		CTDF	CTD FILENAME: 60	GOA-NHISCADOZ	Dozz
VESSEL: N	VESSEL: NW Explorer		01.0105.07	JO-CIMIN 21300	LEG:	G: /	!		(None	(None if data is live feed)	eed)	
CTD CAST	LATITUDE		LONGITUDE		GMT DATE	ot)	GMT		SURFACE TEMP	MD BOTTOM	# IIIVH	STN.
# (consec.)	DEG	MZ	DEG	MIN	DAY	<u>.</u>	YR H	<u>X</u>	(2)	DEP1H (m)		NAME/ID
22	N	N 945'SH	ohi	04. 803 W	1 2 2	JUL 1	5 1 5	00	15.6	180	1 22	48440
Sensor ID	Sensor IDs (Initially &	Swap-outs)		Weather:						CTD Max Depth =	epth =	
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	tors that ma	y affect me	asurements	or aid proc	:essing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	Ns											
COND 1& 2 S/Ns	/Ns	N III										
FLUOR S/N												
02 (SBE43) S/N	š 											33
Transmiss S/N	z 	ŀ										
PAR S/N		i I										
02 (SBE42) S/N	Š 											
	Depth	Rosette	Hydi	Hydro Team-PMEL	GFF	>10 Large	e GFF (dup)		>10 Large	POC	Comments or	-507
A VEIN	Desired	Notes	SALT Btl #	NUT. Btl#	Volume	Volume	First		Volume	(500 ml)	Other Samples	35 NOK #
-												
2	175	(75		1976					Li			2
з	60	00		1969 1969								ω
4	40	HO		195	250					e.		4
Сī												5
6	30	30		193	250							တ
7	20	20		192	250							7
8	10	11	er.	191								œ
9	0	S	138	190	250							9
10												10
						, , , , , , ,			1			
12												12

					0							
YEAR: 2015	5		CRUISE ID: /	CRUISE ID: 1/1/2/1/5-07	PR	PROJECT: (P09		CTD FILE	CTD FILENAME: GOA WISCONDOS	MAISCE	0023
VESSEL: NW Explorer	N Explorer			V V V V V V V V V V V V V V V V V V V	<u></u>	LEG: /			(None if	(None if data is live feed)	řed)	
CTD CAST	LATITUDE		LONGITUDE		(note if not)	ot)	GMT	SURF	SURFACE TEMP	BOTTOM	#AUL #	STN.
# (colloge.)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	MZ	('C)	ביווי)		ואליים לייני מיליים ליינים
27	7	37,055 N	IUO	15.861	w 1 2 3	30 L I	14115	4 3	14.9	760	23	18 × 50
Sensor IDs	(Initia	Swap-outs)		Weather: over	5 Cast					CTD Max Depth =		200
SBE type and S/N	N/S			(Difficult conditions, factors that may affect me	factors that ma	y affect mea	asurements or aid processing)	id processing)				
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	/NS			Blank Older the	der tack							
COND 1& 2 S/Ns	NS			i								
FLUOR S/N												
O2 (SBE43) S/N	2											
Transmiss S/N												
PAR S/N												
02 (SBE42) S/N	N											
Nisk #	Depth	Rosette	pAH	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	>10 Large (dup)		POC (500 ml)	Comments or Other Samoles	or Nisk#
				The second secon				Actions	đ			
_			***************************************							4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		_
2	200	200		203								2
ω	60	60		£27						4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ω
4	40	ah		701	250							4
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6	30	29	:	200	250							6
7	20	$\mathcal{V}_{\mathcal{O}}$		199	250		250					7
8	0)	[0		199								æ
9	0	2		197	253							9
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=	\$5									4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	D 0 D D 0 D 0 D 0 D 0 D 0 D 0 D 0 D 0 D	
12									_			12

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YEAR: 2015)15		CBI IICE ID: A	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	PRO	PROJECT:	COA	0	CTD FILENAME:		6-04-NWUSCIDOZG	750C)
VESSEL:	VESSEL: NW Explorer		CRUISE ID.	CRUISE ID./WW15-0-2	LEG:	33			None if da	(None if data is live feed)	ed)	_
CTD CAST	T LATITUDE		LONGITUDE		GMT DATE (note if not)	ot)	GMT Time	SURFACE TEMP	E TEMP E	BOTTOM	HAUL #	STN.
# (consec.)	DEG	MIN	DEG	NIN	DAY	MO YR	HR M	MIN		סבר ווו (וווו)		7
29	85	N 225.02	190	070.45	w 125	0215	211	7 14.8	3	302	77	YBA 70
Sensor I	Sensor IDs (Initially & Swap-outs)	Swap-outs)		Weather:					CI	CTD Max Depth =	2	0
SBE type and S/N	nd S/N			(Difficult conditions, factors that may affect measurements or aid processing)	factors that may	affect measu	rements or aid	processing)		i		
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	S/Ns											
COND 1& 2 S/Ns	S/Ns											
FLUOR S/N												
O2 (SBE43) S/N	N/S (7.0									
Transmiss S/N	SN											
PAR S/N			Name of the second									
02 (SBE42) S/N	N/S (83	
	Depth	Rosette	Hydr	Hydro Team-PMEL	# #	>10 Large	GFF (dup)	>10 Large		POC	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl #	ā	Volume	Volume	(aup) Volume	(50	(500 ml)	Other Samples	les NISK #
-	,											
2	200	200	139	210								2
3	60	60		Sól		1						ω
4	40	40		208	250							4
С												5
6	30	29		20年	250							6
7	20	20		20.0	250							7
œ	lo	(0)		205								œ
9	Ø.	3		和元	250						144555555555555555555555555555555555555	9
10												10
1												1
12												12

					0						0	
YEAR: 2015	5		CRUISE ID:	4 9 / - 6 7	PR	ECT:	00A	į	CTD FILEN	AME: GOA.	CTD FILENAME: GOA_NUJISCEDO25	2200
VESSEL: N	VESSEL: NW Explorer			MMISTOC	LEG:	G: /			(None if d	(None if data is live feed)	řed)	
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	E ot)	GMT Time	SURFA	TEMP	BOTTOM	HAUL #	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO YR	돐	MIN	(0)	טברות (ווו)		ואלוגוני/ וה
25	85	65.867 N	140	57.865	w 1 3 7	ゴいしー	5 0 0 .	55 1	4.4	3503	25	YBARO
Sensor IDs		(Initially & Swap-outs)		Weather: ((0	loudy					CTD Max Depth	pth = 2	0
SBE type and S/N	S/N			(Difficult conditions, factors that may affect measurements or aid processing)	actors that may	y affect measi	rements or a	d processing)				
PRESS S/N				Comments:						•		J
TEMP 1 & 2 S/Ns	Ns			T T		back	dow	7	1	60. ABS		~ > o z .
COND 1& 2 S/Ns	/NS				C.				,	100		
FLUOR S/N												
OZ (SBE43) S/N	¥ 											
Transmiss S/N	_											
PAR S/N												
02 (SBE42) S/N	ž											
2 6 *	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	>10 Large		POC	Comments or	Or Nisk#
, weight	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume	Volume	Volume	THE SE	(500 ml)	Other Samples	
-												
2	200	200		219								2
ω	60	60		216								ω
4	40	46		215	225							4
5												5
ნ	30	30		214	250			-				ത
7	20	20		2/3	250			_				7
æ	10	0		UB								8
9	0	3		112	250							9
10					:				!			10
-		*************************							† † † † † † † †	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	11
12												12

YEAR: 2015	15		CRUISE ID:	CRUISE ID: /// \	P	PROJECT:	(JOA)		СТІ	CTD FILENAME: 6-	GOOTOSI WW. AOJ	920ar
VESSEL: I	VESSEL: NW Explorer			4		LEG: ((NC	(None if data is live feed)	reed)	
CTD CAST	T LATITUDE		LONGITUDE		GMT DATE (note if not)	re not)	GMT Time	ъ Т	SURFACE TEMP		, HAUL #	STN.
# (colloct.)	DEG	MIN	DEG	MIN	DAY	MO	¥R ⊢	HR MIN		סברות (ווו)		יין אאור/ וט
26	7	52,684 N	140	26-172 W	- w	0 0	5	201	14.	33304	26	SER90
Sensor II	Sensor IDs (Initially & Swap-outs)	· Swap-outs)		Weather: としつレタケ	γ	2				CTD Max Depth =		200
SBE type and S/N	N/S p			(Difficult conditions, factors that may affect measurements or aid processing)	ctors that m	ay affect me	asurement	s or aid pr	ocessing)		1	
PRESS S/N				Comments:		10						
TEMP 1 & 2 S/Ns	S/Ns											
COND 1& 2 S/Ns	S/Ns											
FLUOR S/N												
02 (SBE43) S/N	S/N											
Transmiss S/N	>											
PAR S/N												
02 (SBE42) S/N	S/N											
	Depth	Rosette	Hyd	Hydro Team-PMEL	GFF FFF	>10 Large	20	GFF (dup)	>10 Large	POC	Comments or	
NSK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume	-	Volume	Volume	(500 ml)	Other Samples	NISK #
-												1
2	200	200		1225								2
з	60	60	-	228								ω
4	40	ر(٥	-	222	250							4
տ												S
ത	20	30		224	250							6
7	70	20		220	250							7
œ	0	0		219					3			œ
9	0		Oh	718	150							9
10												10

12												12

YEAR: 2015 VESSEL: NW Explorer	5 W Explorer		CRUISE ID: /	CRUISE ID: //(~15-02	E 79	PROJECT: LEG: (GOA		CTD FIL	CTD FILENAME: $(- > + -)UU/S$ (None if data is live feed)	eed)	7506
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	not)	GMT Time	S	SURFACE TEMP	воттом	# #	STN.
# (consec.)	DEG	MIN	DEG	MIN	DAY	MO	YR HR	<u>Z</u>	(0)	טברוח (ווו)		ואאוב/וט
4	58	09-434 N	140	05.2005	w 13 J	0 1	8 1 8	38	14.7	3398	27 5	ER 70
Sensor ID	Sensor IDs (Initially & Swap-outs)	Swap-outs)		Weather: ८[å८	130 1 April	7				CTD Max Depth =	epth = 200	0
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	actors that ma	ay affect mea	surements o	r aid proces	sing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	Ns 											
COND 1& 2 S/Ns	Ns											
FLUOR S/N												
O2 (SBE43) S/N	2											÷2
Transmiss S/N				0								
PAR S/N												
02 (SBE42) S/N	2											
	Depth	Rosette	Hydr	Hydro Team-PMEL	GH H	>10 Large	GFF (dup)		>10 Large	P C C	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl#	Volume	Volume			Volume	(500 ml)	Other Samples	S NISK #
1												1
2	200	200		231								2
3	60	60		130								ω
4	94	40		228	250							4
и												5
6	٥ ر	30		228	750							6
7	lo	20		422	250							7
8	10	10		226								œ
9	0	4	Ş	225	250							9
10												10
12												12

	0											
YEAR: 2015)15		CRUISE ID: /	11.11アンコ	PR	PROJECT: 6	AGA		CTD FIL	CTD FILENAME: 60A-MJ15CTD028	MUISCIDO Z	8
VESSEL:	VESSEL: NW Explorer		, cuoice :c. /	5.015 15. // W12-0 C	 	LEG: /			(None i	(None if data is live feed)	eed)	
CTD CAST	ST LATITUDE		LONGITUDE		GMT DATE (note if not)	TE (tor	GMT Time	(0	SURFACE TEMP		HAUL #	STN.
# (collage.)	DEG	MIN	DEG	MIN	DAY	МО	YR HR	MIN	(c)	טבר ווו (ווו)		IASIAIE/ ID
28	55	N 074.52	139	44.192	w 1/3 5	0 4	522		14.9	750	28	SERSO
Sensor IDs	(Initia	Swap-outs)		Weather: overcast	rist fair	0.0	100			CTD Max Depth =	20	0
SBE type and S/N	nd S/N			(Difficult conditions, factors that may affect measurements or aid processing)	actors that ma	y affect mea	surements o	r aid proces	sing)			11
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	S/Ns _											
COND 1 & 2 S/Ns	S/Ns											
FLUOR S/N												
O2 (SBE43) S/N) S/N											
Transmiss S/N	S/N											
PAR S/N												
02 (SBE42) S/N) S/N											
Zijt #	Depth	Rosette	Hydr	Hydro Team-PMEL	윢	>10 Large	GFF (dup)		>10 Large	POC	Comments or	
T AGIN	Desired	Notes	SALT Btl #	NUT. Btl#	Volume	Volume	1111		Volume	(500 ml)	Other Samples	es Nisk
-												_
2	200	wo	141	238								2
ω	00	(g /		737								ω
4	40	4		236	250	-					ĸ	4
5									8 V 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	T R B F F F F F F F F F F F F F F F F F F		5
െ	۵۲.	٥٤		735	750							6
7	20	20		234	250							7
8	10	(0		233								œ
9	0	2		232	250							9
10												10
=												
12												12

CRURCAD: 2015 CRUINDE													
	YEAR: 201	5		CBI IISE 1D.		PR		DA		CTD FILE	NAME: Go√-	MUSCIDO	29
AST ATTITUDE	VESSEL: N	W Explorer		נאטוטר וני.	NN12-00	FE	G: ~			(None if	data is live fe	ed)	
Dec	CTD CAST			LONGITUDE		GMT DAT (note if n	ot)	GMT Time	S	URFACE TEMP	воттом	# 	STN.
1 5 3 1 13 3 10 1 1 3 0 4 6 14 5 25 27 35 27 27 27 27 27 27 27 2	" (0011300.)	DEG	MIN	DEG	MIN	DAY			MIN		טבר זוו (ווו)		יייייייייייייייייייייייייייייייייייייי
or IDS (Initially & Swap-outs) Weather: ⟨ (ov ◊ √ , ⟨ ¬ ⟨ / √ ⟩) CTID Max Depth = e and S/N (Officult conditions, factors that may affect measurements or ald processing) VN (a 2 c/n)s	29	- 1	L90	139	104	-		0	9 4	14.5	852		ERYD
## Comments: Comments: Comments: Comments: Comments: Comments: Comments: Comments:	Sensor ID:	s (Initially &	Swap-outs)			-	7V	1			CTD Max De	pth =	
Comments: Comments:	SBE type and	N/S			(Difficult conditions, fa	ctors that may	y affect mea	surements or	aid proces	sing)			
# 2 S/Ns # 2	PRESS S/N				Comments:								
8 2 S/Ns 429) S/N 1	TEMP 1 & 2 S	/Vs											
S/N	COND 1& 2 S.	Ns		:									
SS S/N	FLUOR S/N												
SS S/N	02 (SBE43) S	Ž											
Gez Fram-PWEL GFF STO Large Comments or Comm	Transmiss S/N	_											
Comments or	PAR S/N												
Depth Depth Desired Phydro Team-PMEL GFF S10 Large OFF (dup) Clarge (dup) Cla	02 (SBE42) S	2											
Desired Notes SALT Btl # NUT. Btl # Volume Volume Volume Volume (40p) Other Samples		Depth	Rosette	Hydr	o Team-PMEL	유 위	>10 Large	220) Large	P P	Comments or	
100 100 244 100 100 244 100 100 243 250 10 10 10 240 250 10 10 240 250 240 10 10 240 250 240 10 10 240 250 240 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 <th>NISK #</th> <th>Desired</th> <th>Notes</th> <th>SALT Btl #</th> <th>NUT. Btl #</th> <th>Volume</th> <th>Volume</th> <th></th> <th></th> <th>-21 -21</th> <th>500 ml)</th> <th>Other Samples</th> <th></th>	NISK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume			-21 -21	500 ml)	Other Samples	
100 100 100 245 100 100 243 250 200 240 240 250 100 10 240 250 100 100 240 250 200 240 250 30 100 129 250 30 100 100 139 250 100 100 100 240 250 100 100 100 240 250 100 100 100 240 250 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	1												1
10 10 139 250 139 250 10 139 250 250 139 250		200	200		245								2
10 10 140 243 250 250 240 250 240 250 250 240 250 250 240 250 250 250 250 250 250 250 250 250 25	ω	600	(kO		244								ω
20 30 242 250 10 [o 240 250 31 250 31 31 350 31 35	4	NO	0 12		243	250							4
70 30 242 250	ъ												G
10 [o 240 250 240 250 240 250 240 250 250 250 250 250 250 250 250 250 25		40	30		242	250							o
10 [o 240	7	20	20		141	05J							7
2 139 750	8	0	0		240	6						Ļ	œ
	9	0	7		139	250							9
	10					:							10
	===												11
	12												12

					0								
YEAR: 2015	5		CRUISE ID: /	CRUISE ID: //////<07	<u> </u>	PROJECT:	6-0 A			CTD FILE	CTD FILENAME: GOA_NWISCTIDG 30	-NW15-C	710630
A LOOLL: 14	ארטטרר: ואוז ראטוטופו				2	1	2	1		I ALION	(Notice it dary is live lead)	řed)	
CTD CAST	LATITUDE		LONGITUDE		(note if not)	not)	Time	ਜ਼ <u>-</u>	SURFAC	TEMP	воттом	HAUL #	STN.
# (collact.)	DEG	MIN	DEG	NIM	DAY	МО	YR HR	R MIN		(טברות (ווו)		NAME/ID
30	50	42.303 N	10×3	M 0 11.22	7	701	-	205	14.2	2	737	30	5ER30
Sensor IDs	s (Initially &	Swap-outs)		Weather: ゥート	3	Cloudy					CTD Max Depth =	N	200
SBE type and S/N	S/N			(Difficult conditions, factors that may affect me	ctors that m	ay affect mo	asurements or aid processing)	s or aid pro	ocessing)				
PRESS S/N				Comments:									
TEMP 1 & 2 S/Ns	Ns												
COND 1& 2 S/Ns	/Ns												
FLUOR S/N													
OZ (SBE43) S/N	ž 	3											
Transmiss S/N	_	No. 14 Control of the											
PAR S/N													
02 (SBE42) S/N	Ž												
1	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	le GFF (dup)		>10 Large		POC	Comments or	
T AGA	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	15	Brei	ıme	Volume	(5	(500 ml)	Other Samples	les NISK #
-													1
2	200	200		252									2
ω	60	W		151									ω
4	ON	40		250	250								4
(r													(rs
6	30	30		249	250								6
7	70	20		SH8	250								7
œ	‡ 0	[0		247									60
9	O	7	21	246	250								9
10							<u> </u>					:	10
													11
12													12

YEAR: 2015	5 Evalorar		CRUISE ID: /	CRUISE ID: //W/5-02	PRO.	PROJECT: 60A	Ą	CTD FIL	CTD FILENAME: LOSA MISCTOOS (- MISCTO O	٤(
CTD CAST	LATITUDE		LONGITUDE		GMT DATE		GMT	כו ופב עכב דבשם	TEMP BOTTOM		747
# (consec.)					(note if not)		Time	(°C)		HAUL #	NAME/ID
	DEG	MIN	DEG	MZ	DAY	MO YR	HR MIN				
W	58	50.523 N	139	11.259	W - 4 ひし	5117	2 5 t 1	14-8	117	3 / 5	JE #20
Sensor IDs	y &	4		Weather: Moshly		クレロン			CTD Max Depth =	pth = ///	
SBE type and S/N	S/N			(Difficult conditions, factors that may affect measurements or aid processing)	factors that may a	iffect measurer	nents or aid pro	ocessing)			
PRESS S/N								A	42	त	
TEMP 1 & 2 S/Ns	1			oot	255 any	2 2 2	r enter.	in the eleter. Outston many			
COND 1& 2 S/Ns	Zs			and water	ter cur	reprov	Sarry C				
FLUOR S/N											
02 (SBE43) S/N	Ž										
Transmiss S/N											
PAR S/N											
02 (SBE42) S/N	ž										
	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF >	>10 Large G	GFF (dup)	>10 Large	P O C	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl #	ď	1 8	Volume	Volume	(500 ml)	Other Samples	S NISK #
1											- -
2	0	111		259							2
ω	60	(00		758							3
4	40	ησ		452	250						4
5											5
on .	30	3°		256	250				:		6
7	20	20		-555	250						7
œ	3	۵۔		724	-						00
9	0	6		253	250				# 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		9
10						:					10
11											-
12											12

YEAR: 2015			CBI IISE ID:		PR	PROJECT:	GOA		CTD FI	CTD FILENAME: GOA NW15CTD 032	1. NW1501	2508
VESSEL: NW Explorer	/ Explorer			11MM15-05	FE	LEG:			(None	(None if data is live feed)	sed)	
	BOUTITAL		FONGITUDE		GMT DATE (note if not)	TE (Tot)	GMT Time	SI	SURFACE TEMP		# HUAH	STN.
# (collsec.)	DEG	MIN	DEG	NIM	DAY	МО	YR HR	MIN	(0)	טבר ווו (ווו)		ואלואור/ וכ
37	58	58.859 N	139	00.236 W	1 4	20 K 1	2 年 3	26	14.8	108	32	SERIO
Sensor IDs	(Initially &	Swap-outs)		Weather: Cloudy	46		1	ī		CTD Max Depth	epth = 10	0
SBE type and S/N	ž			(Difficult conditions, factors that may affect measurements or aid processing)	ctors that ma	y affect mea	surements or	aid process	ing)			
PRESS S/N					ь Ь	SIL MICH		ナスート	Doffer - Number		ent stacks.	
TEMP 1 & 2 S/Ns	NS			USW 1701	٥							
COND 1& 2 S/Ns	NS											
FLUOR S/N												
02 (SBE43) S/N	Z											
Transmiss S/N												
PAR S/N												
02 (SBE42) S/N	z											
	Depth	Rosette	Hydro	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)		>10 Large	POC	Comments or	
7	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume			Volume	(500 ml)	Other Samples	les Nisk #
						-						-
2	001	100	44	266			/					2
ω	60	60	. v	265		†						ω
4	40	Чо		264	250							4
Сī												5
ത	30	30		263	USO							ത
7	20	rò		262	ESI							7
œ	0/	0		261	4							œ
9	0	7		260	V50							9
10												10
11								7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				
12												12

YEAR: 2015	1		CRUISE ID:	CRUISE ID: //////-02	1	, IECT:	G-0A	Ω:	CTD FILENAME:	GOA_MWISGTOOSS	CTD 033
			7			ATE	GMT		_ ,		
# (consec)	LAIIIUUE		LONGI I UDE		(note if not)	not)	Time	SURFACE TEMP		M HAUL#	STN.
# (collact.)	DEG	MIN	DEG	MIN	DAY	MO Y	YR HR I	MIN	סבר זה (ווו)		ויאאינר/ וכ
23	59	86.902 N	138	49.250	W 1 5 3	2010	2005	0,11	0 51	\$	SERP
Sensor IDs	s (Initially &	Swap-outs)		Weather:			RE	,	CTD Max	CTD Max Depth =	
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	, factors that ma	ay affect meas	surements or aid	processing)			
PRESS S/N				Comments:						•	
TEMP 1 & 2 S/Ns	S/Ns			わるか	C-[d		Eg Je	٥		surface,	
COND 1& 2 S/Ns	Ns				_						
FLUOR S/N											
02 (SBE43) S/N	ž 										
Transmiss S/N	z 										
PAR S/N											
02 (SBE42) S/N	§										
Zick #	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	>10 Large	POC	Comments or	
1	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	1000		Volume	(500 ml)	Other Samples	ples Mak #
											1
2											2
3	pa 45	sh		774							ω
4	40	46		142	150						4
ъ											5
ര	30	36		270	750						6
7	al	B		269	250						7
œ	10	<u></u> 6		Host							œ
9	0	· S		747	250						9
10					=				2		10
	44444444444444444444										
12											12

YEAR: 2015	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	MW15-02	- P	PROJECT:	604		CTD	CTD FILENAME: GOA_NUTSCTD 034	-NMISCID C	334
CTD CAST	LATITUDE		LONGITUDE		GMT DATE (note if not)	TE not)	GMT Time	в ·	SURFACE TEMP	MP BOTTOM	HAUL #	STN.
# (consec.)	DEG	NIM	DEG	NIN	DAY	МО	YR HR	MIN		DEFIN (III)		NAME/ID
34	58	55.386 N	138	M tot +11	1 5 5	1 U U S	1 2	5 0 3	1,41	7.5	5 hE	SEQA
Sensor IDs	(Initially &	Swap-outs)		Weather: Cloudy	Y	7.				CTD Max Depth =)epth = 51	
SBE type and S/N	N/S F			(Difficult conditions, factors that may affect measurements or aid processing)	ctors that m	ay affect me	asurements	or aid proc	essing)			
PRESS S/N				Comments:								
TEMP 1 & 2 S/Ns	S/Ns											
COND 1& 2 S/Ns	S/Ns											
FLUOR S/N		8										
02 (SBE43) S/N	S/N											
Transmiss S/N	ž											
PAR S/N												
02 (SBE42) S/N	S/N											
	Depth	Rosette	Hydr	Hydro Team-PMEL	유 위	>10 Large	e GFF (dup)		>10 Large	POC	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume			Volume	(500 ml)	Other Samples	NSK #
-												1
2										:		2
ω	50	5		278			0 0 0 0 0 0 0 0			N G G A B V A A B G A B		ω
4	40	40		277	250							4
5												5
6	<i>3</i> 0	~~ 9			256							6
7	Z	lo		275	250							7
8	10	10		213								8
9	0		98	272	750				8 0 A 0 D A	V D D B V D B B B B B B B B B B B B B B		9
10									[10
11												
12												12

YEAR: 2015 VESSEL: NW	YEAR: 2015 VESSEL: NW Explorer		CRUISE ID:	10-02	PROJ	- ECT:	(-0A	Ω Ω	CTD FILENAME: Go⊀_A (None if data is live feed)	GOX_NWISCIDOFS ive feed)	075
CTD CAST	LATITUDE		LONGITUDE	ı	GMT DATE (note if not)	ot)	GMT Time	SURFACE TEMP	TEMP BOTTOM	UL #	STN.
# (collect)	DEG	NIM	DEG	MIN	DAY	MO YR	돐	MIN	סברוח (ווו)		ואלאוני/ וס
25	254	N tos.th	138	M 558.81	1 5	30/6/	4 4 1 5	2 14.4	46	35 56	EWØ
Sensor IDs	s (Initially &	1 1		Weather:				A 1.24	CTD Max Depth =	Depth = 9	
SBE type and S/N	N/S			(Difficult conditions, factors that may affect measurements or aid processing)	ctors that may	/ affect meas	urements or aic	processing)			
PRESS S/N				Comments:							
TEMP 1 & 2 S/Ns	S/NS							, i	68		
COND 1& 2 S/Ns	Ns										
FLUOR S/N				C							
02 (SBE43) S/N	N/S										
Transmiss S/N	2										
PAR S/N]										
02 (SBE42) S/N	§										
	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	>10 Large	POC	Comments or	
Nisk #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume	Volume	Volume	(500 ml)	Other Samples	Nisk #
-	-										
2	90	٩/		285							2
ω	60	(0,0		284							ω
4	40	46		- 283	250						4
CF											ر د
6	30	30		282	250		-				o
7	20	20		281	256						7
8	(0)	0		280							œ
9	0	7		779	255		250				9
10											10
									· · · · · · · · · · · · · · · · · · ·		1
12	-				-						12

YEAR: 2015	YEAR: 2015		CRUISE ID: /	CRUISE ID:///いたしつ?	٩	PROJECT: 604	-04		CTD FILI	CTD FILENAME: GOA-WUISOD 037	Mulsan c	737
CTD CAST	ATITUDE		LONGITUDE		GMT DATE	FF (GMT		SHBEACE TEMP	ROTTOM		7 1
# (consec.)	2		7		DAY W.		S	, i	(°C)	DEPTH (m)	700	NAME/ID
77		2			8		\dashv	-			7	SEEZO
Sensor IDs		(Initially & Swap-outs)		Weather:						CTD Max Depth =	pth =	
SBE type and S/N	N/S	25		(Difficult conditions, factors that may affect measurements or aid processing)	actors that m	ay affect me	asurements	or aid proce	essing)			
PRESS S/N				Comments:		ヰ	, ,	1.		9	GFF	950
TEMP 1 & 2 S/Ns	S/NS			7000		295-	₩.	7	١			
COND 1& 2 S/Ns	N _S			10 15			,	Ô				
FLUOR S/N				J		クト し		~ ~				
02 (SBE43) S/N	ŠŽ			DY			1	C				
Transmiss S/N	2											
PAR S/N				•								
02 (SBE42) S/N	SN											
111-b-4	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	e GFF (dup)	102	>10 Large	POC	Comments or	
NISK #	Desired	Notes	SALT Btl #	NUT. Btl #	Volume		9		Volume ((500 ml)	Other Samples	Nisk #
-								**				
2		ete o		299								2
ω	60			298			• • • • • • • •	P D D D D				.
4	(40			297	250					:		4
ъ								P P P P P P				5
6	30			296	150						:4	თ
7	20			245	rso						1 1 1 2 4 M 4 9 M 9 M 9 M 9 M 9 M 9 M 9 M 9 M 9	7
œ	- 10		(294								œ
9 ,	O		/		252							9
10		~										10
11												
12												12

YEAR: 2015)15		CRUISE ID: ハハン(ラー	MN(2-07	PR(PROJECT: G	GOA		CTD FIL	CTD FILENAME: 60A, NW15CTD036	NW15CTD	036
<u> </u>	VESSEL: NW Explorer				_	5.			(None II	(None If data is live feed)	eed)	
CTD CAST	LATITUDE		LONGITUDE		(note if not)	ot)	Time	SURI	SURFACE TEMP		HAUL#	STN.
# (collset.)	DEG	MIN	DEG	MIN	DAY	MO YR	R	MIN	(c)	טברות (ווו)		NAME/10
3.6	56	8 181 05	1360	m 204.75	<u>-</u>	サリレー	5 - 5	E 3		2046	36	05335
Sensor IDs	Ds (Initially &	k Swap-outs)		Weather: 0/erccs	4500					CTD Max Depth =	epth =	
SBE type and S/N	nd S/N			(Difficult conditions, factors that may affect measurements or aid processing)	ctors that may	/ affect meas	urements or a	id processing				
PRESS S/N				Comments:		-						
TEMP 1 & 2 S/Ns	S/Ns			Rafferies	Char	charged !	Second	o tay	् वर	t this	S Carrel	
COND 1& 2 S/Ns	S/Ns					•						
FLUOR S/N						1		0	2/5	2/70 00		haul
O2 (SBE43) S/N) S/N			Losk	Common	2/100	707	,	-			
Transmiss S/N	§)	+	3	1000.	;	and lead It To the		2
PAR S/N				Duck 1	1000	120	200		(19/100		
02 (SBE42) S/N	N/S (
	Depth	Rosette	Hydr	Hydro Team-PMEL	GFF	>10 Large	GFF (dup)	v	rge	POC	Comments or	
7	Desired	Notes	SALT Btl #	NUT. Btl #	Volume	Volume	Volume	Volume		(500 ml)	Other Samples	les
_												
2	200			292								2
ω	(es)			291								a
4	40			290	250							4
ъ										V 4 8 9 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9		5
6	30			281	250							o
7	20			288	250							7
æ	10			787								æ
9	0			7.86	a21							9
10												10
												7.7
12								- 25				12

0										
YEAR: 2015 VESSEL: NW Explorer	CRUI	CRUISE ID: Nい15-07	5-02	PROJECT:	T. GOA		CTD FIL	CTD FILENAME: GOALEM	CTD FILENAME: GOULDWIJSCTD036 (None if data is live feed)	10036
CTD CAST LATITUDE	LON	LONGITUDE	<u> </u>	GMT DATE (note if not)	GMT Time		SURFACE TEMP		#AUL#	STN.
# (collsec.)	MIN DEG	MIN		DAY MO	YR HR	MiN	(5)	טברוח (ווו)		NAMEZIO
36 56	50.215 N 13	1,45 0	(M 269)	1 7 5 V	h 1 S 1-	4 5 9		9 ho2	36	56630
Sensor IDs (Initially & S	Swap-outs)	Weath	Weather: OVercast	+				CTD Max Depth	epth =	
SBE type and S/N		(Difficult	(Difficult conditions, factors that may affect measurements or aid processing)	s that may affec	t measurements	or aid processi	ing)			
PRESS S/N		Comments:	ents:							
TEMP 1 & 2 S/Ns				,		ت		1	/	ر
COND 1& 2 S/Ns			7	7	N)	3	Saltarios /	700/
FLUOR S/N						7	6	Ċ		
02 (SBE43) S/N				(
Transmiss S/N			,							
PAR S/N	والمراجعة والمراجعة والمراجعة والمراجعة والمراجعة									
02 (SBE42) S/N										
Ni-t # Depth	Rosette	Hydro Team-PMEL	MEL	GFF >101	>10 Large GFF (dup)		>10 Large	POC	Comments or	
Desired	Notes SALT	SALT Btl # NUT. Btl #		Volume Volume			Volume	(500 ml)	Other Samples	les Max #
-1										-
2 700		292								2
3 60		182								ω
4 40		290		250						4
CS.										и
6 30		281		250						თ
7 20		288		750					¥	7
8 10		787								æ
9 0		226		755			*			9
10							5₹g			10
-					#					11
12		*22					==			12