VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOAA leg 1	ctd001

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
	29' 13.56"			12' 30.18"											
001	56	29.236	N	135	12.50	W	07	JUL	14	15	08		138	1	SE10
							07	JUL	14	15	08				CTD MAX. DEPTH = 127m

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

Weather:

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

Changed A Volta O2 E
ppears or ; turbidity not working. on
voltage 5.

Nutrients h b separator, not
hite filter.

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2.8		28*			250							2
3														3
4	20	17		29*			250							4
5														5
6														6
7														7
8	40	40		30*			250							8
9														9
10	125	127		31*										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOA/A leg 1a	ctd002

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	MO	YR	HR	MIN	(°C)	(m)		
2	56	24.676	N		135	28.488	W		07	JUL	14	18	20		169m	2	SEA10

CTD MAX. DEPTH = 160m

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2.4		32			250							2
3														3
4	20	21.1		33			250							4
5														5
6														6
7														7
8	40	40		34			250							8
9														9
10	160	160m		35										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14 - 02	SECM/GOAA leg 1a	ctd 003

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
3	56	19.886	N	135	44.414	W	07	JUL	14	21	32		896	3	SEA20

CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

5-6 Ft. seas

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2	36	218		250							2
3													3
4	20	19.5	37			250							4
5													5
6													6
7													7
8	40	41	38			250							8
9													9
10	200	200	39										10
11													11
12													12

VESSEL Northwest Explorer	CRUISE ID NW14-02	PROJECT & LEG (if needed) SECM/GOAA leg 19	CTD FileName (None if data is live feed) CT0004

CTD consec CAST #	LATITUDE 15' 11.70"				LONGITUDE 00' 15.42"			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
004	56		15.20	N	136	00.26	W	08	07	14				3780		SEA30
Sensor IDS (initially & swap-outs)								08	07		00	32	3780+			CTD MAX DEPTH = 202

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

Weather:

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

DUPLICATE Chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2	40	40		250		250					2
3													3
4	20	22	41	41		250		250					4
5													5
6													6
7													7
8	40	42	42	42		250		250					8
9													9
10	200	202	43	43									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOAA leg 1a	ctd 005

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
005	56	10.48	N	136	16.06	W	08	07	14				4600	5	SEA40
							08	07	14	15	22	2500+fm			CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

first try at starting ctd electronics did not work

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2 ✓	0	2		44		250							2
3													3
4 ✓	20	20		45		250							4
5													5
6													6
7													7
8 ✓	40	37		46		250							8
9													9
10 ✓	200	200	219	47									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW 14Ø2	SECM/GOAA leg 1a	ctd ØØ6

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
ØØ6	56	01.21	N	136	47.73	W			14				4000	6	SEA6Ø
							08	Ø7	14	18	52		deep		CTD MAX. DEPTH = 200

Sensor IDS (Initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

DUPLICATES Chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	Ø	2		45		25Ø		250					2
3													3
4	2Ø	21		46		25Ø		250					4
5													5
6													6
7													7
8	4Ø	40		47		25Ø		250					8
9													9
10	2ØØ	200		48									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14Φ2	SECM/GOAA leg 1a	ctd010

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	MO	YR	HR	MIN	(°C)	(m)		
	08' 18.66"				37' 39.18"												
Φ1Φ	56		08.31	N	137		37.65	W	Φ9	JUL	14	18	40		27Φ1	10	SEC8Φ
										Φ7							CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	Φ	2		64			250							2
3														3
4	2Φ	20		65			250							4
5														5
6														6
7														7
8	4Φ	38		66			250							8
9														9
10	2ΦΦ	200		67										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW94-02	SECM/~~GOAA~~ leg 1a	CTD011

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	MO	YR	HR	MIN	(°C)	(m)		
011	56	18.48	N		137	04.71	W	09	JUL	14				2470	11	SEC60
											2	4 06				CTD MAX. DEPTH = 202

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

max z = 202

Blank

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2		68			250							2
3														3
4	20	20		69			250							4
5														5
6														6
7														7
8	40	40		70			250							8
9														9
10	200	202		71										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOA leg 19	CTD 012

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	MO	YR	HR	MIN	(°C)	(m)		
012	56		28.08	N	136	33.12	W	10	JUL	14	0142			2163	12	SECH0

CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		72		250							2
3													3
4	20	20		73		250							4
5													5
6													6
7													7
8	40	40		74		250							8
9													9
10	200	200		75									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOA leg 1a	ctd 013

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	MO	YR	HR	MIN	(°C)	(m)		
013	56		32.88	N	136	17.31	W	10	JUL	14	1455			1937	13	SEC30

CTD MAX. DEPTH = 203

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2		76			250							2
3														3
4	20	20		77			250							4
5														5
6														6
7														7
8	40	40		78			250							8
9														9
10	200	203.8	221	79										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOAA leg 1a	ctd014

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
014	56	37.56	N	136	01.20	W		JUL	14				949	14	SEC20
							10	07		17	29				CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1			NUT											1
2	0	2	80				250							2
3														3
4	20	20	81				250							4
5														5
6														6
7														7
8	40	40	82				250							8
9														9
10	200	201	83				~~250~~							10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	CTD015

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	MO	YR	HR	MIN	(°C)	(m)		
015	56		42.24	N	135	45.26	W	10	JUL	14	20	18		185	15	SEC10

CTD MAX. DEPTH = 177

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2		84			250							2
3														3
4	20	20		85			250							4
5														5
6														6
7														7
8	40	40		86			250							8
9														9
10	175	177		87										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOAA leg 1a	CTD016

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	MO	YR	HR	MIN	(°C)	(m)		
016	56		46.27	N	135	31.20	W	10	JUL	14	22	51		96	16	SEC0

CTD MAX. DEPTH = 85

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		88		250							2
3													3
4	20	22		89		250							4
5													5
6													6
7													7
8	40	40		90		250							8
9													9
10	85	85		91									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOAA leg 1a	CTD017

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	MO	YR	HR	MIN	(°C)	(m)		
017	56		59.73	N	136	02.34	W	11	JUL	14	14	59		105	17	SEE10

CTD MAX. DEPTH = 95

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

nutrients labelled SEE0, not SEE10

Bigger seas 7ft & wind 25 knots + today.

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	4	222	92			250							2
3														3
4	20	22		93			250							4
5														5
6														6
7														7
8	40	41		94			250							8
9														9
10	95	95		95			250							10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOAA leg 1a	ctd018

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
018	56	54.88	N	136	18.48	W	11	JUL	14	17	56		1492	18	SEE 20

CTD MAX. DEPTH = 198

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

Weather:

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

Big seas & wind

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml			Comments or other samples	Nisk #
1															1
2	0	2		96			250								2
3															3
4	20	22		97			250								4
5															5
6															6
7															7
8	40	42		98			250								8
9															9
10	— 200	198		99											10
11															11
12															12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOA leg 1a	ctd019

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	MO	YR	HR	MIN	(°C)	(m)		
19	57	22.04	N		136	03.47	W	12	JUL	14	14	57		86	19	SEG01

Sensor IDS (initially & swap-outs)	
SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 76

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	3		100		250							2
3													3
4	20	22		101		250							4
5													5
6													6
7													7
8	40	41		102		250							8
9													9
10	76	76		103									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/GOAA leg 1a	ctd 020

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	MO	YR	HR	MIN	(°C)	(m)		
020	57		17.44	N	136	19.65	W	12	JUL	14	17	27		414	20	SEG10

Sensor IDS (initially & swap-outs)	
SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 200

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		104		250							2
3													3
4	20	20		105		250							4
5													5
6													6
7													7
8	40	41		106		250							8
9													9
10	200	200	223	107									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	Ctd021

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
021	57	12.59	N	136	36.08	W	12	JUL	14	20	15		1740	021	SEG28

CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2	108				250							2
3														3
4	20	20	109				250							4
5														5
6														6
7														7
8	40	40	110				250							8
9														9
10	200	200	111											10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	ctd022

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	MO	YR	HR	MIN	(°C)	(m)		
022	57		07.86	N	136	52.20	W	12	JUL	14	2258			2310	22	SEG30

Sensor IDS (initially & swap-outs)	
SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 280

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	3		112			250							2
3														3
4	20	20		113			250							4
5														5
6														6
7														7
8	40	42		114			250							8
9														9
10	200	200		115										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA Jeg 1a	0023

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	MO	YR	HR	MIN	(°C)	(m)		
023	57		03.01	N	137	08.33	W	13	JUL	14	01	46		2546	23	SEG40

CTD MAX. DEPTH = 20

202

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2		3		116			250							2
3														3
4	20	19		117			250							4
5														5
6														6
7														7
8	40	40		118			250							8
9														9
10	200	202		119										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-02	SECM/~~GOAA~~ leg 9	CTD 024

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	MO	YR	HR	MIN	(°C)	(m)		
024	56	53.28	N		137	40.09	W	13	JUL	14	14	59		2642	24	SEG60

CTD MAX. DEPTH = 202

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0		224	120			250							2
3														3
4	20	20		121			250							4
5														5
6														6
7														7
8	40	40		122			250							8
9														9
10	200	200		123										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	ctd025

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	MO	YR	HR	MIN	(°C)	(m)		
025	56		43.31	N	138	11.95	W	13	JUL	14	18	36		3042	25	SEG 80

Sensor IDS (initially & swap-outs)	
SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 200

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		124		250							2
3													3
4	20	20		125		250							4
5													5
6													6
7													7
8	40	40		126		250							8
9													9
10	200	200		127									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	CTD026

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	MO	YR	HR	MIN	(°C)	(m)		
026	56		33.33	N	138	43.25	W	13	JUL	14	22	05		3236	25	SEG100

Sensor IDS (initially & swap-outs)	
SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 202

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0			128			250							2
3														3
4	20			129			250							4
5														5
6														6
7														7
8	40			130			250							8
9														9
10	200			131			250							10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	Ctd 027

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	MO	YR	HR	MIN	(°C)	(m)		
Ø27	56		16.12	N	138	25.18	W	14	JUL	14	01	31		3084	27	SEE1ØØ

CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	3		132			25Ø							2
3														3
4	2Ø	20		133			25Ø							4
5														5
6														6
7														7
8	4Ø	39		134			25Ø							8
9														9
10	2ØØ	201		135										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	ctd028

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
028	56	26.12	N	137	53.813	W	14	JUL	14	14	59		2999	28	SEE80

CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0			136		250							2
3													3
4	20			137		250							4
5													5
6													6
7													7
8	40	39		138		250							8
9													9
10	200	200	225	139		250							10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	ctd029

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	MO	YR	HR	MIN	(°C)	(m)		
029	56		35.89	N	137	22.08		W	14	JUL	14	18	26		2405	29	SEE60

Sensor IDS (initially & swap-outs)	
SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 200

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		140		250							2
3													3
4	20	20		141		250							4
5													5
6													6
7													7
8	40	40		142		250							8
9													9
10	200	200		143									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	MW1402	SECM/GOAA eg 1a	ctd030

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
030			N			W	14	JUL	14	22				30	SEE 30

Sensor IDS (initially & swap-outs)	
SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH =

Weather:

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

Termination failed - had to skip CTD @ SEE40 St. 30.

Nisk #	DEPTH DESIRED	Rosette Notes	Nuts Hydro Team-PMEL ~~Sal/Btl~~	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0		144			250							2
3													3
4	20		145			250							4
5													5
6													6
7													7
8	40		146			250							8
9													9
10	200		147										10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1a	ctd031

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
031	56	50.38	N	136	34.59	W	15	JUL	14	02	30		2038	31	SEE30

CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Trawl was done first, then ctd.

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		144		250							2
3													3
4	20	21		145		250							4
5													5
6													6
7													7
8	40	40		146		250							8
9													9
10	200	201		147		250							10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 6	Ctd032

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	MO	YR	HR	MIN	(°C)	(m)		
032	57		39.6772	N	136	21.0684	W	16	JUL	14	14	59		73	32	SEI ø

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 64

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL ~~SALT Btl~~	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0		148				250							2
3														3
4	20	20	149				250							4
5														5
6														6
7														7
8	40	40	150				250							8
9														9
10	63	64	151											10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1407	SECM/GOAA leg 1	ctd033

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	MO	YR	HR	MIN	(°C)	(m)		
033	57		34.8120	N	136	37.6387		W	16	JUL	14	17	42		582	33	SETIO

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 201

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2	226	152		250							2
3													3
4	20	20		153		250							4
5													5
6													6
7													7
8	40	39		154		250							8
9													9
10	200	201		155									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1b	ctd034

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	MO	YR	HR	MIN	(°C)	(m)		
034	57		30.0610	N	136	53.8906	W	16	JUL	-14	20	44		1789	34	SET20

CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		156		250							2
3													3
4	20	20		157		250							4
5													5
6													6
7													7
8	40	40		158		250							8
9													9
10	200	200		159									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1 b	ctd035

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	MO	YR	HR	MIN	(°C)	(m)		
035	57		25.2204	N	137	10.0692	W	16	JUL	14	23	15		2271	35	SEI30

CTD MAX. DEPTH = 201

Sensor IDS (Initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0			160		250		250					2
3													3
4	20	21		161		250		250					4
5													5
6													6
7													7
8	40	38		162		250		250					8
9													9
10	200	201		163		250							10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1	CTD036

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	MO	YR	HR	MIN	(°C)	(m)		
036	57		20.4526	N	137	26.1475	W	17	JUL	14	15	01		2610	36	SEI40

CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2		164			250							2
3														3
4	20	20		165			250							4
5														5
6														6
7														7
8	40	40		166			250							8
9														9
10	200	200	227	167			250							10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1b	ctd037

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	MO	YR	HR	MIN	(°C)	(m)		
37	57		10.5366	N	137	58.4668	W	17	JUL	14	18	27		2837	37	SE160

CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		168		250							2
3													3
4	20	20		169		250							4
5													5
6													6
7													7
8	40	41		170		250							8
9													9
10	200	201		171									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1b	ctd038

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	MO	YR	HR	MIN	(°C)	(m)		
038	57		00.5708	N	138	30.2090	W		17	JUL	14	21	48		3045	38	SEI80

CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Chl-a duplicates

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		172		250		250					2
3													3
4	20	21		173		250		250					4
5													5
6													6
7													7
8	40	40		174		250		250					8
9													9
10	200	200		175									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1b	ctd039

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	MO	YR	HR	MIN	(°C)	(m)		
39	56	50.5795	N		139	01.8089	W	18	JUL	14	01	15		3300	39	SEJ100

CTD MAX. DEPTH = 202

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	4	176			250							2
3													3
4	20	20	177			250							4
5													5
6													6
7													7
8	40	40	178			250							8
9													9
10	200	200	179										10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1/2	ctd040

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	MO	YR	HR	MIN	(°C)	(m)		
40	57		07.6760	N	139	20.4527	W	18	JUL	14	14	57		3377	40	SEK100

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 200

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2	228	180		250							2
3													3
4	20	20		181		250							4
5													5
6													6
7													7
8	40	41		182		250							8
9													9
10	200	200		183									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1	ctd041

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	MO	YR	HR	MIN	(°C)	(m)		
041	57		17.8750	N	138	48.6514	W	18	JUL	14	18	31		3130	41	SEK80

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 200

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		184		250							2
3													3
4	20	20		185		250							4
5													5
6													6
7													7
8	40	40		186		250							8
9													9
10	200	200		187									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd042

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	MO	YR	HR	MIN	(°C)	(m)		
042	57		27.8110	N	138	16.6904	W		18	JUL	14	22	01		2954	42	SEK60

CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Duplicate chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2		188			250		250					2
3														3
4	20	20		189			250		250					4
5														5
6														6
7														7
8	40	40		190			250		250					8
9														9
10	200	200		191										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1B	ctd043

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	MO	YR	HR	MIN	(°C)	(m)		
043	57		37.7119	N	137	44.3301	W	19	JUL	14	01	30		2557	43	SEK40

CTD MAX. DEPTH = 201

Sensor IDS (Initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0	2		192			250							2
3														3
4	20	20		193			250							4
5														5
6														6
7														7
8	40	40		194			250							8
9														9
10	200	200		195										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/~~GOAA~~ leg 10	ctd044

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	MO	YR	HR	MIN	(°C)	(m)		
044	57		42.7197	N	137	28.4570	W	19	JUL	14	14	57		2146	44	SEK30

CTD MAX. DEPTH = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	3		196		250							2
3													3
4	20	20		197		250							4
5													5
6													6
7													7
8	40	40		198		250							8
9													9
10	200	200	229	199									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/~~GOAA~~ leg 16	ctd045

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	MO	YR	HR	MIN	(°C)	(m)		
045	57		47.4858	N	137	11.7822	W		19	JUL	14	17	37		290	45	SEK20

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 200

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		200		250							2
3													3
4	20	20		201		250							4
5													5
6													6
7													7
8	40	40		202		250							8
9													9
10	200	200		203									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd046

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	MO	YR	HR	MIN	(°C)	(m)		
046	57		52.2916	N	136	55.3601	W	19	JUL	14	20	54		457	46	SEK10

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPTH = 200

Weather:

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

Chl-a duplicates

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0			204		250		250					2
3													3
4	20	20		205		250		250					4
5													5
6													6
7													7
8	40	40		206		250		250					8
9													9
10	200	200		207		250							10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd047

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	MO	YR	HR	MIN	(°C)	(m)		
Ø47	57		57.1117	N	136	38.9124	W	19	JUL	14	23	29		94	47	SEKØ

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

CTD MAX. DEPTH = 84

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	2		208		250							2
3													3
4	20	20		209		250							4
5													5
6													6
7													7
8	40	40		210		250							8
9													9
10	84	84		211									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 1L	ctd048

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	MO	YR	HR	MIN	(°C)	(m)		
048	58		05.8008	N	136	47.9932	W	20	JUL	14	15	00		228	48	SELØ

CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0		230	212		250							2
3													3
4	20			213		250							4
5													5
6													6
7													7
8	40			214		250							8
9													9
10	200	200		215									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 6	ctd049

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/II
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
049	58		01.0034	N	137	04.4854	W	20	JUL	14	17	39		372	49	SEL/0

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEP = 201

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nis #
1														1
2	0			216			250							2
3														3
4	20	20		217			250							4
5														5
6														6
7														7
8	40	42		218			250							8
9														9
10	200	200		219										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NWS1402	SECM/GOAA leg 1b	ctd050

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/II
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
050	57		56.1548	N	137	21.0273	W	20	JUL	14	20	23		165	50	SELX

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEP = 157

Weather:

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

Chl-a duplicates

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nis #
1														1
2	0			220			250		250					2
3														3
4	20	20		221			250		250					4
5														5
6														6
7														7
8	40	40		222			250		250					8
9														9
10	155	155		223										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	CTD051

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
051	57		51.3356	N	137	37.4441	W	20	JUL	14	2257			1058	51	SEL3

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

CTD MAX. DE = 200

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples
1												
2	0	4		224		250						
3												
4	20	21		225		250						
5												
6	4											
7												
8	40	42		226		250						
9												
10	200	200		227								
11												
12												

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd052

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
052	57		46.4033	N	137	53.7109	W	21	JUL	14	01	40		2743	52	SEL4

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

CTD MAX. DE = 201

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	N
1														
2	0			228			250							
3														
4	20	20		229			250							
5														
6														
7														
8	40	40		230			250							
9														
10	200	201		231										1
11														1
12														1

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 6	ctd053

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
053	57		36.4336	N	138	25.9756	W	21	JUL	14	14	54		2927	53	SEL6

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. D. = 201

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples
1													
2	0			232			250						
3													
4	20	20		233			250						
5													
6													
7													
8	40	40		234			250						
9													
10	200	200	231	235									
11													
12													

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd054

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
054	57		26.3706	N	138	58.1475	W	21	JUL	14	18	48		3129	54	SEL8

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. D = 202

Weather:

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

Blank chl-a

Had to go back down from 25m to 40m during upcast... communication error.

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples
1													
2	0	3		236			250						
3													
4	20	20		237			250						
5													
6													
7													
8	40	42		238			250						
9													
10	200	202		239									
11													
12													

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd055

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
055	57		16.2446	N	139	29.8867	W	21	JUL	14	23	05		3275	55	SELIA

CTD MAX. DI = 201

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

Weather:

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

Chl-a duplicates

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples
1													
2	0			240			250		250				
3													
4	20	20		241			250		250				
5													
6													
7													
8	40	40		242			250		250				
9													
10	200	201		243									
11													
12													

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd056

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
056	57		24.7825	N	139	39.4595	W	22	JUL	14	01	43		3335	56	SEMIC

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DI = 201

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	N
1														
2	Ø	2		244			250							
3														
4	2Ø	20		245			250							
5														
6														
7														
8	4Ø	40		246			250							
9														
10	2ØØ	200		247										1
11														1
12														1

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd057

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
057	57		34.9414	N	139	07.7920	W	22	JUL	14	15	01		3215	57	SEMS

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DE =200

Weather:

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

header info was for 058... need to correct

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	N
1														
2	0		232	248			250							
3														
4	20			249			250							
5														
6														
7														
8	40			250			250							
9														
10	200	200		251										1
11														1
12														1

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd058

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG	MIN			DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
058	57	45.0967	N		138	35.6445	W	22	JUL	14	17	41		3010	58	SEM6

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. D = 201

Weather:

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

Blank Chl-a

header entry incomplete

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples
1													
2	0	3		252			250						
3													
4	20	20		253			250						
5													
6													
7													
8	40	41		254			250						
9													
10	200	200		255									
11													
12													

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	MW1402	SECM/GOAA leg 1a	C#1059

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
059	57		55.0117	N	138	02.9902	W	22	JUL	14	21	13		1641	59	SEM4

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. D = 200

Weather:

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

Chl-a Duplicates

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples
1													
2	0			256			250		250				
3													
4	20	20		257			250		250				
5													
6													
7													
8	40	40		258			250		250				
9													
10	200	199		259									
11													
12													

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd060

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN NAME
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
060	57		59.9834	N	137	46.5889	W	22	JUL	14	23	53		175	60	SEM3

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DE = 166

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples
1													
2	0	3		260			250						
3													
4	20	20		261			250						
5													
6													
7													
8	40	40		262			250						
9													
10	165	165		263									
11													
12													

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	WW1402	SECM/GOAA leg 16	ctd061

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	MO	YR	HR	MIN	(°C)	(m)		
061	58		08.5093	N	137	55.9863	W	23	JUL	14	14	58		148	61	SEN30

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPT = 139

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nis #
1													1
2	0			264		250							2
3													3
4	20	20		265		250							4
5													5
6													6
7													7
8	40	39		266		250							8
9													9
10	138	138	233	267									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW402	SECM/GOA leg 6	ctd062

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	MO	YR	HR	MIN	(°C)	(m)		
062	58		13.4976	N	137	39.4668	W	23	JUL	14	17	26		163	62	SENZ

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPT =

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0	3		268		250							2
3													3
4	20	20		269		250							4
5													5
6													6
7													7
8	40	40		270		250							8
9													9
10	153	154		271									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 12	ctd063

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	MO	YR	HR	MIN	(°C)	(m)		
063	58	18.3755	N		137	22.8193	W	23	JUL	14	19	54		159	63	SEM10

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPT = 150

Weather:

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

Duplicate chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Hydro Team-PMEL Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nis #
1														1
2	0			272			250		250					2
3														3
4	20	20		273			250		250					4
5														5
6														6
7														7
8	40	40		274			250		250					8
9														9
10	149	150		275										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 15	ctd064

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	MO	YR	HR	MIN	(°C)	(m)		
064	58		21.6022	N	137	11.6926	W		23	JUL	14	22	03		177	64	SEN0

Sensor IDS (initially & swap-outs)

CTD MAX. DEPT = 168

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nis #
1														1
2	0			276			250							2
3														3
4	20			277			250							4
5														5
6														6
7														7
8	40			278			250							8
9														9
10	167	168		279										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg_____	ctd065

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	MO	YR	HR	MIN	(°C)	(m)		
065	58		04.7773	N	137	30.1745	W	24	JUL	14	14	58		139	65	SEM20

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

CTD MAX. DEPT = 130

Weather:

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

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisl #
1													1
2	0	3	234	280		250							2
3													3
4	20	19		281		250							4
5													5
6													6
7													7
8	40	40		282		250							8
9													9
10	129	130		283									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 12	ctd066

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	MO	YR	HR	MIN	(°C)	(m)		
066	58		09.6051	N	137	13.5582	W		24	JUL	14	16	47		118	66	SEM10

Sensor IDS (initially & swap-outs)

SBE type and S/N	
PRESS S/N	
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPT = 108

Weather:

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

Blank chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisl #
1														1
2	0	3		284			250							2
3														3
4	20	20		285			250							4
5														5
6														6
7														7
8	40	40		286			250							8
9														9
10	108	108		287										10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW1402	SECM/GOAA leg 16	ctd 067

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	MO	YR	HR	MIN	(°C)	(m)		
067	58		14.4787	N	136	57.3808	W	24	JUL	14	19	23		159	067	SEMØ

Sensor IDS (initially & swap-outs)

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

CTD MAX. DEPTH = 150

Weather:

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

Duplicate Chl-a

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl		GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1													1
2	0			288		250		250					2
3													3
4	20			289		250		250					4
5													5
6													6
7													7
8	40			290		250		250					8
9													9
10	149	150		291									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-04	GOA leg 2a	ctd068

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
068	58	27.0805	N	137	32.3719	W	05	AUG	14	19	12		182	68	SE010

Sensor IDS (initially & swap-outs)

CTD MAX. DEPTH = 177

SBE type and S/N
PRESS S/N
TEMP 1 &2 SNs
COND 1&2 S/Ns
FLUOR S/N
O2 (SBE43) S/N
Transmiss S/N
PAR S/N
O2 SBE42S/N

Weather:

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

Profile taken, but only 172m bottle fired. ... Water sampler not working

No nutrients or chl-a taken

ctd068b is just a trouble shooting file... not a cast

Nisk #	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT Btl	Nut.Btl			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #
1														1
2	0		~~234~~	318			~~250~~							2
3														3
4	20			319			~~250~~							4
5														5
6														6
7														7
8	40			320			~~250~~							8
9														9
10	172			321										10
11														11
12														12