VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE001.hex

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time PM		Surface Temp	CTD BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)	18010	±50
001	58		16.428	N	135	23.992	W	27	06	14	3	27	11.23	215		

58 16.428 / 135 23.992

Sensor IDS (initially & swap-outs)

SBE type and S/N	25 - 0422
PRESS S/N	290610
TEMP 1 &2 SNs	155
COND 1&2 S/Ns 4	042906
FLUOR S/N	2343
O2 (SBE43) S/N	
Transmiss S/N	
PAR S/N	70432
~~O2 SBE43S/N~~	
PUMP	56238

CTD MAX. DEPTH = 200

Weather:

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

Down 0.5 m/s
UP 1 m/s

Fast Cat 4:14 6/27/14
↳ ISSUES w/ orientation of Bango + cat. serial data errors

First station no winch depth counter and bad radios
PAR is missing calibration values

Station Depth = 215

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		213	0001			250		250					2
3														3
4	50	~45m		0002			250							4
5														5
6														6
7														7
8														8
9														9
10	70	for Seawater RINSE												10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE002.hex

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG (135 26.64)	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time PM HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
002	58	15.26	N	135	26.64	W	27	06	14	6	56	10.8	261	18011	15C

CTD MAX. DEPTH = 200

Sensor IDS (initially & swap-outs)

SBE type and S/N	25
PRESS S/N	
TEMP 1 &2 SNs	all
COND 1&2 S/Ns	
FLUOR S/N	same
O2 (SBE43) S/N	unless
Transmiss S/N	marked
PAR S/N	
O2 SBE42S/N	

Weather:

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

Fastcat CO
NWE002.hex

PAR missing cal values

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	~7		0003		250							2
3													3
4	50			0004		250							4
5											SeaWater Blank	✓ Filtered SeaWater	5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg	NNE003.hex

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time PM		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN			DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)	1801	
003	58	14.23	N		135	29.34	W	27	06	14	8	50	10.5	181	18012	ISB

CTD MAX. DEPTH = 17

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

Fastcat
NNE003.hex

PAR missing cal values

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	~3.4		0005		250							2
3													3
4	50	~50.1		0006		250							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE004.hex

CTD consec CAST #	LATITUDE			LONGITUDE			GMT DATE (note if not)			GMT Time PM		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
004	58	13.23	N	135	31.42	W	27	06	14	11	03	9.9	100	18013	ISA

CTD MAX. DEPTH = 91.47

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

PAR cal values not added.

Fastcat 004.hex
possible jellyfish fouling during cast

~~out~~ lost upper 10 m

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	~3.4		0007									2
3													3
4	50			0008									4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	

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)		
				N			W			1 4						

Sensor IDS (initially & swap-outs)

SBE type and S/N	SBE 49-
PRESS S/N	36 Deckunit
TEMP 1 &2 SNs	
COND 1&2 S/Ns	
FLUOR S/N	ISA 18014
O2 (SBE43) S/N	ISB 18015
Transmiss S/N	ISC 18016
PAR S/N	ISD 18017
O2 SBE42S/N	ISC 18018
	ISD 18019

CTD MAX. DEPT =

Weather: Not Sonked only use upcast profiles

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

Fastcat ONLY DAY, No Water GMT

Cast	Depth	Date	Lat/Long		time	Stop on depth
005	51.05 m	28 June	58 13.26	135 31.75	3 02 PM	97 m
006	52 m	28 June	58 14.23	135 28.99	4.08 PM	195 m
007	51.03	28 June	58 15.24	135 26.54	5 15 PM	260 m
008	65.42	28 June	58 16.32	135 23.83	6:34 PM	221
009	49.86	28 June	58 15.17	135 26.38	9:01 PM	264
010	51.77	28 June	58 16.11	135 23.21	10:32 PM	257

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE005.hex

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time PM		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
005	57		53.68	N	137	42.75	W	29	6	1 4	2	52	12.05	943	18020	IPD

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

PAR cal data added
↳ data is bad
✓ cables, ✓ values
Still get uniform number
↑ possibly bad sensor

Fastcat 011
↳ 200m

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	~2.6	~~[illegible]~~	0009		250							2
3													3
4	50	50.4	~~[illegible]~~	0010		250		250					4
5													5
6													6
7													7
8													8
9													9
10	100	~98	214	0011									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE006.hex

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)	18021	IPC
006	58		05.23	N	137	26.82	W	29	6	14	05	59 pm		125		

CTD MAX. DEPTH = 115

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 blank on this cast

Fastcat 012

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	32		0012		250							2
3													3
4	50	503		0013		250							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE007.hex

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
007	58	12.88	N	137	16.78	W	29	6	14	8	44 pm	11.7	117	18022	IPB

CTD MAX. DEPTH = 107

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	Bad
O2 SBE42S/N	

Weather:

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

PAR - cal values correct
Data Stream garbage.

Fastcat
013
Downcast - Scan error
Stopped / Restart
Upcast only -
error @ Surface

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	2.7		0014		250							2
3													3
4	50	~49.7		0015		250							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE008.hex

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time PM HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
008	58	20.06	N	137	07.31	W	29	6	14	11	04	13.0	155	18023	IPA

CTD MAX. DEPTH = 146

Sensor IDS (initially & swap-outs)

SBE type and S/N	25-0422
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

PAR - No good

Fast Cat 014 → Downcast bad until 60m

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	~4.3	215	0016				250	250					2
3														3
4	50	48.8		0017				250						4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	Multiple casts

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)		
	58	16.33	N	[illegible]	[illegible]	W			1 4				220		

Sensor IDS (initially & swap-outs)

SBE type and S/N	49 Shuttle
PRESS S/N	
TEMP 1 &2 SNs	18024
COND 1&2 S/Ns	18025
FLUOR S/N	18026
O2 (SBE43) S/N	18027
Transmiss S/N	
PAR S/N	
O2 SBE42S/N	

CTD MAX. DEPT =

Weather: All Fast Casts 1st long 13D CTD

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

015	3:50PM	30 June	58 16.33	135 23.86	220m	50.7m	ISD
016	5:35PM	30 June	58 15.21	135 26.37	260m	55.5	ISC
017	10:00 PM	30 June	58 14.24	135 29.10	194m	51.27	ISB
018	12:18AM	1 July	58 13.25	135 31.80	99	50	ISA

→ Conductivity was zero for most of cast until 20m from surface. Sent Back to 50m & then to service

All one cast

→ sal only for last ~25 → surface

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NW009.hex

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)		
009	58		04.56	N	135	00.15	W	01	JUL	14	14	55	11.74	475	18031	UCA

Sensor IDS (initially & swap-outs)

SBE type and S/N	25
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 = 205

Weather:

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

No Fast cat

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			0018			250							2
3														3
4	50	50.4	2/6	0019			250		250					4
5														5
6														6
7														7
8														8
9														9
10	200	205	2/6											10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE010.hex

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)		
010	56	06.15	N	135	00.84	W	01	7	14	5	33 pm	10.7	218	18033	UCB

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 = 201.8

Weather:

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

No fastcat

PAK?

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	4.2		0020			250							2
3														3
4	50	49.4		0021			250							4
5														5
6														6
7														7
8														8
9														9
10	200													10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE001.Lex

CTD consec CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		GMT DATE (note if not) DAY	MO	YR	GMT Time PM HR	MIN	Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID
011	58	08.02	N	135	04.04	W	01	Jul	14	9	12		140	18035	UCC

Sensor IDS (initially & swap-outs)	
SBE type and S/N	25
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 = 136.6

130

Weather:

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

PAR data Bad?

No Fastcat

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	3.4		0022		250							2
3													3
4	50	40		0023		250							4
5											Blank GFF		5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	NWE012.box

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time PM		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
012	58		09.61	N	135	02.53	W	01	JUL	14	11	15	1	133	18036	UCD

Sensor IDS (initially & swap-outs)	
SBE type and S/N	25
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 = 121.2

Weather:

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

PAR Bad?

25.6
11.5

No FastCat

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	4.2	217	0024			250							2
3														3
4	60	60.8		0025			250							4
5														5
6														6
7														7
8														8
9														9
10	~~100~~													10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	

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)		
			[illegible]	N			W			1 4						

Sensor IDS (initially & swap-outs)

SBE type and S/N	49	
PRESS S/N		
TEMP 1 &2 SNs		UCD
COND 1&2 S/Ns		UCB
FLUOR S/N		UCC
O2 (SBE43) S/N		UCA
Transmiss S/N		
PAR S/N		
O2 SBE42S/N		

USE UPCast only

CTD MAX. DEPTH =

Weather: Fastcat lat/long BD CTD depth date time

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

18037	019	58 09.74	135 02.36	221	50.2	Jul 2, 2014 4:03 PM
18040	020	58 06.24	135 01.00	212	48.8	Jul 2, 2014 6:46 PM
18041	021	58 07.47	135 04.00	162	52.4	Jul 2, 2014 8:32 PM
18042	022	58 04.60	134 59.91	404	51.6	Jul 2, 2014 10:26 PM

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	INW14	SECM/GOAA leg_____	

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)	8044	ABM
013	58	21.99	N		134	40.00	W	03	7	14	3:00	pm		52		

Sensor IDS (initially & swap-outs)

SBE type and S/N	25
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:

CTD MAX. DEPTH = 42

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

Paris
Bud

FastCat 023

30.7 m

Last Station for SECM = Auke Bay Station

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	1.6		26		250							2
3													3
4	10	16.0											4
5													5
6													6
7													7
8	20	42											8
9													9
10	40	42		27		250							10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-03	SECM/GOAA leg_____	

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	58	16.32			135	24.02										
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
014	58	16.32		N	135	24.02	W	27	07	14	1537		12.10	213	18044	15D

CTD MAX. DEPTH = 200.5

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

Sea cat cut out during upcast on bongo
2 files 024 and 024b

seacat 024 + 024b

COD station # 28

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	4.0	235	0292		250							2
3													3
4	50	52.5		0293		250							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-03	SECM/GOAA leg_____	

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	53		15.18	N	135	26.63	W	27	07	14	1843		12.3	258	18045	15c

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 = 216.7

Weather:

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

Seacat 025 did not remove H_2O tube so no profile info except depth for 025

CDD station #29

took water @ 20m for phyto project no chloro done

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	3.2		0294		250							2
3													3
4	50			0295		250							4
5													5
6													6
7													7
8	20	20.2											8
9													9
10	200												10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-03	SECM/GOAA leg_____	

CTD consec CAST #	LATITUDE (14.40)				LONGITUDE (29.85)			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	58	14.40	N		135	29.85	W	27	07	14	22	00	27.6	185	180~~16~~	15B

CTD MAX. DEPTH = 160.8

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

Seacat 026 150.1 bottom depth bongo

COD station #30

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	3.5		0296		250							2
3													3
4	50	52.9		0297		250							4
5													5
6													6
7													7
8	20	22.6											8
9													9
10	160	160.8											10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-03	SECM/GOAA leg_____	

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	58		13.20	N	135	31.56	W	28	07	14	0114		11.13	94	18047	1SA

CTD MAX. DEPTH = 82.2

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

Seacat 0274 70.1 bottom depth

COD station #31

20m water sample for phyto project - no 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	4.3		0298		250							2
3													3
4	50	50.8		0299		250							4
5											Seawater Blank	filtered seawater	5
6													6
7													7
8	20	20.6											8
9													9
10	80	81.6											10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-03	SECM/GOAA leg_____	

CTD consec CAST #	LATITUDE				LONGITUDE				GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	57	53.56			137	42.32										(32)	
	DEG	MIN			DEG	MIN			DAY	MO	YR	HR	MIN	(°C)	(m)		
018	57	53.56	N		137	42.32	W		28	07	14	15	19	13.7	944	18048	IPD

CTD MAX. DEPTH = 203.4

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

Seacat 028

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	2.6	2316	0300		250		250					2
3													3
4	50	51		0301		250							4
5													5
6													6
7													7
8	20	20.2											8
9													9
10	dup	202.5											10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW 14-03	SECM/GOAA leg_____	

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)		
019	58	05.29	N		137	26.38	W	28	07	14	18	38	14.0	126	18049	IPC

(33)

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 = 111.2

Weather:

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

Seacat 028

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	4.0	~~302~~	302			250							2
3														3
4	50	51.6	~~303~~	303			250							4
5														5
6														6
7														7
8	20	21.8												8
9														9
10	deep	110.5												10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-03	SECM/GOAA leg_____	

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	58	12.62	N		137	16.54	W	28	07	14	21	49	13.6	118	18050	IPB

(34)

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 = 100.7

Weather:

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

Seacat 030

seacat cut out during up-cast. Started new communication saved as 30b.

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	2.8		304		250							2
3													3
4	50	51.8		305		250							4
5													5
6													6
7													7
8	20	21.3											8
9													9
10	100	100.4											10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-03	SECM/GOAA leg_____	

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (35)	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
021	58		20.10	N	137	06.82	W	29	07	14	0036		14.0	158	18051	IPA

CTD MAX. DEPTH = 149.8

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

Seacat 031

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	4.6		306			250							2
3														3
4	50	50.1		307			250							4
5												sea water blank		5
6														6
7														7
8	20	21.6												8
9														9
10	148	149.5												10
11														11
12														12

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

SEACAT 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	58		16.37	N	135	23.79	W	29	JUL	1 4	15	12	12.8	222	18052	ISD

Sensor IDS (initially & swap-outs)		CTD MAX. DEPTH =
SBE type and S/N		Weather:
PRESS S/N		COMMENT: Difficult conditions, factors that may affect measurements or aid processing
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		

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

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

SEACAT ~~CTD consec~~ ~~CAST #~~	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	(37) STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
033	58		15.26	N	135	26.64	W	29	JUL	1 4	1700		12.4	258	18053	ISC

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

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													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

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

Seacat CTD consec ~~CAST #~~	LATITUDE				LONGITUDE				GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	(38) STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG		MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
034	58		14.16	N	135		29.25	W	29	JUL	1 4	1933		10.4	192	18054	ISB

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

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

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

SeaCat ~~CTD consec~~ CAST #	LATITUDE			LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (40)	STN. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
035	58	13.16	N	135	31.67	W	29	JUL	1 4	2302		10.1	92	18056	ISA

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

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													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

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

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	58		13.27	N	135	31.73	W	30	JUL	1 4	1618		10.5	97	18058	ISA

(12)

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 = 81.6

Weather:

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

No H_2O samples collected

seacat 036 @ 1504

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													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

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

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	58		14.20	N	135	29.21	W	30	JUL	1 4	1646		11.8	188	18059	ISB

43

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 = 170.9

Weather:

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

No water samples taken.

Seacat 037 30/Jul 1712

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

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

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (44)	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
024	58		15.22	N	135	26.57	W	30	JUL	1 4	1834		12.3	259	18060	1SC

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 = 200.3

Weather:

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

No H_2O samples taken

Seacat 038 @ 1856

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													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

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

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)	45	
025	58	16.28	N		135	23.68	W	30	JUL	14	2148		13.4	227	18061	ISD

CTD MAX. DEPTH = 203.4

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

No H_2O samples

elacat 039 @ 2131

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													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

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

Seacat ~~CTD-consec CAST #~~	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	(46) STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
040 + 0406	58		15.03	N	135	26.11	W	30	JUL	1 4	2353		13.2	263	18062	15C

CTD MAX. DEPTH =

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

Cut out on downcast restarted w/ 0406

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													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

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

SeaCat CTD:consec_ CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	(47) STATION NUMBER	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
041	58		16.32	N	135	24.10	W	31	JUL	1 4	0105		12.9	217	18063	ISD

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

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

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

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (48)	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
026	58		04.63	N	135	00.18	W	31	JUL	1 4	1518		12.3	447	18064	UCA

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 = 206.1

Weather:

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

seacat 042 cut out on downcast
042b

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	deep	205.8												2
3														3
4	50	51.4		0309			250							4
5														5
6														6
7														7
8	20	20.1												8
9														9
10	0	3.5	237	0308			250		250					10
11														11
12														12

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

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (49)	STN. NAME/ID
	DEG	MIN			DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
027	58	06.24	N		135	00.89	W	31	JUL	1 4	1804		12.3	160	18065	UCB

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 = 128.7

Weather:

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

deacat = 043 58 06.28 135 00.95 @1736

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	deep	128.3											2
3													3
4	50	50.4		0311		250							4
5													5
6													6
7													7
8	20	20.6											8
9													9
10	0	3.3		0310		250							10
11													11
12													12

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

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)	50	
028	58		0799	N	135	04.01	W	31	JUL	1 4	1935		12.2	158	18066	UCC

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 = 140.9

Weather:

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

no upcast
Cut out @ ≈130 m need to use CTD for profile

Seacat= 044 @ 1955

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	deep	140.3											2
3													3
4	50	50.3		0313		250							4
5													5
6													6
7													7
8	20	20.2											8
9													9
10	Ø	3.3		0312		250							10
11													11
12													12

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

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)	53	
029	58	09.58	N	135	02.92	W	31	JUL	14	2317		12.2	158	18069	UCD

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 = 138

Weather:

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

eacat = 045 @ 2245 58 09.45 135 02.46

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	deep	137.9											2
3													3
4	50	51.1		0315		250							4
5													5
6													6
7													7
8	20	21.1											8
9													9
10	Ø	3.4		0314		250							10
11													11
12													12

Sparcatk only

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

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)		
X				N				W			1 4						

Sensor IDS (Initially & swap-outs)		CTD MAX. DEPTH =
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

046 58 04.59 135 00.08 01/Aug·14 @ 1521 18071 UCA

047 58 06.31 135 00.91 01·Aug·14 @ 1752 18072 UCB

048 58 08.10 135 03.84 01·Aug·14 @ 2143 18074 UCC

049 58 09.75 135 02.51 01·Aug·14 @ 2338 18075 UCD

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW 14-03	SECM/GOAA leg_____	

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)		
030	58		22.00	N	134	39.93	W	02	AUG	1 4	1503		13.0	51	18076	ABM

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 = 39.7

Weather:

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

Seacat 050

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	Deep	39.6		0317		250							2
3													3
4	20	20.6											4
5													5
6													6
7													7
8	Ø	2.6											8
9													9
10	Ø	2.6	238	0316		250							10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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)		
031	58		16.38	N	135	23.79	W	29	AUG	14	15	16	11.9	215	18077	ISD

(61)

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 = 195.4

Weather:

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

Fastcat 051

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	Ø	4.1	2583	0609		250		~~250~~					2
3													3
4	50	53.2		0610		250							4
5											blank GFF		5
6													6
7													7
8	X												8
9													9
10	deep												10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (62)	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
032	58		15.17	N	135	26.59	W	29	AUG	1 4	1759		11.3	260	18078	1SC

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 = 201.1

Weather:

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

Fastcat 052

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	3.5		0611		250							2
3													3
4	50	52.9		0612		250							4
5													5
6													6
7													7
8	X												8
9													9
10	deep												10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NWX14-05	SECM/GOAA leg_____	

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (163)	STN. NAME/ID
	DEG		MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
033	58		14.28	N	135	29.29	W	29	AUG	14	2104		9.6	177	8079	ISB

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 = 166.0

Weather:

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

Fastcat 053

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	Ø	2.9		1x013		250							2
3													3
4	50	50.3		1x014		250							4
5													5
6													6
7													7
8	X												8
9													9
10	deep												10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

CTD consec CAST #	LATITUDE				LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER (64)	STN. NAME/ID
	DEG	MIN			DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)		
034	58	13.21	N		135	31.78	W	29	AUG	14	2332		9.60	100	18680	15A

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 = 85.7

Weather:

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

Fastcat 054

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	Ø	2.9		0615		250		250					2
3													3
4	50	51.3		0616		250							4
5													5
6													6
7													7
8	X												8
9													9
10	deep	85.3											10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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)		
				N			W			1 4						

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

Footcast	055	18081 ✓	214m	1504	30 Aug 14	58	16.39	135	24.11
	056	18082 ✓	260m	1632	30 Aug 14	58	15.29	135	26.67
	057	18083 ✓	183m	1818	30 Aug 14	58	14.26	135	29.22
	058	18084 ✓	98m	2048	30 Aug 14	58	13.28	135	31.81
	059	18085 ✓	186m	2159	30 Aug 14	58	14.22	135	29.30
	060	18086 ✓	96m	2330	30 Aug 14	58	13.20	135	31.61
	061								

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW 14-05	SECM/GOAA leg_____	

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)		
				N			W			1 4						

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

Fastcat

061	18087 ✓	100m	1556	31 Aug 14	58	13.28	135	31.75
062	18088 ✓	196m	1652	31 Aug 14	58	14.20	135	29.00
063	18089 ✓	260m	1833	31 Aug 14	58	15.81	135	26.35
064	18090 ✓	220m	2055	31 Aug 14	58	16.40	135	23.88
065	18091 ✓	260m	2217	31 Aug 14	58	15.31	135	26.63
066	18092 ✓	217m	00:02	1 Sept 14	58	16.41	135	24.02

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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		53.55	N	137	42.88	W	01	Sep	14	15	02	15.0	945	18093	IPD

1Sep14 1502 77

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

Fastcat = 067 ✓

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	Ø	5.9	259	0617			250		250					2
3														3
4	50	52.6		0618			250							4
5														5
6														6
7														7
8	X													8
9														9
10	X													10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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	58		5.29	N	137	26.76	W	01	Sep	14	18	39	14.4	125	18094	IPC

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 = 111.8

Weather:

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

Fastcat= 068 ✓

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	Ø	3.9		0619		250							2
3													3
4	50	50.8		0620		250							4
5													5
6													6
7													7
8	X												8
9													9
10	X												10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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)		
037	58	12.67	N	137	16.91	W	01	Sep	14	21	17	14.5	116	18095	IPB

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 = 102.4

Weather:

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

Fastcat = 069 ✓

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	Ø	4.7		0621		250							2
3													3
4	50	50.5		0622		250							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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	53		20.04	N	137	07.40	W	01	SEP	14	2352		14.0	158	18096	IPA

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 = 148

Weather:

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

Fastcat= 070 ✓

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	3.3		0623			250							2
3														3
4	50	50.2		1124			250							4
5												Blank GFF 250		5
6														6
7														7
8	X													8
9														9
10	X													10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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)		
039	58		9.68	N	135	02.49	W	02	Sep	1 4	1520		12.2	140	18097	UCD

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 = 130

Weather:

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

Fastcat = 071 ✓

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	3.5	260	0625			250		250					2
3														3
4	50	52.1		0626			250							4
5														5
6														6
7														7
8	X													8
9														9
10	X	129.8												10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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)		
040	58	07.98	N	135	03.72	W	02	Sep	14	1708		11.6	120	18098	UCC

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 = 100.7

Weather:

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

Fastcat = 072 ✓

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	Ø	3.2		0627		250							2
3													3
4	50	50.7		0628		250							4
5													5
6													6
7													7
8	X												8
9													9
10	X	100.7											10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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	58	06.15	N	135	00.67	W	02	SEP	14	1907		10.7	132	18099	UCB

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 = 122

Weather:

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

Fastcat = 673 ✓

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	3.2		0629			250							2
3														3
4	50	50.1		0630			250							4
5														5
6														6
7														7
8	X													8
9														9
10	X													10
11														11
12														12

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

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	58		04.55	N	135	00.31	W	02	SEP	1 4	2132		11.8	480	18100	UCA

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

Fastcat = 074 ✓

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	3.3		0631			250							2
3														3
4	50	50.7		0632			250							4
5												Blank GFF		5
6														6
7														7
8	X													8
9														9
10	X													10
11														11
12														12

VESSEL	CRUISE ID	PROJECT & LEG (if needed)	CTD FileName (None if data is live feed)
Northwest Explorer	NW14-05	SECM/GOAA leg_____	

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)		
				N			W			1 4						

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

Fastcat

075 ✓ 18101 ucc 1167m 2 Sept 14 2233 58 06.25 135 01.00

076 ✓ 18102 ucD 423m 3 Sept 14 0052 58 04.50 134 59.83

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

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

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)		
				N				W			1 4						

Sensor IDS (initially & swap-outs)

CTD MAX. DEPTH =

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

Fastcat

077	18103 ✓	483m	3	Sep 14	1458	58	04.55	135	00.26
078	18104 ✓	197m	3	Sep 14	1619	58	06.23	135	00.97
079	18105 ✓	160m	3	Sep 14	1752	58	08.05	135	03.94
080	18106 ✓	205m	3	Sep 14	1920	58	09.66	135	02.70
081	18107 ✓	179m	3	Sept 14	2114	58	07.84	135	03.84
082	18108 ✓	141m	3	Sept 14	2236	58	09.62	135	02.52

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														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
12														12

3 min

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

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	58		21.98	N	134	39.93	W	04	Sep	1 4	1404		11.6	49	18/09	ABM

CTD MAX. DEPTH = 36

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

Fastcat 083 49m 4 Sep 14 1410 58 22.10 134 39.83

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	261	0633		250		250					2
3													3
4	dup 1	35.9		0634		250							4
5													5
6													6
7													7
8	X												8
9													9
10	X												10
11													11
12													12