

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

03-02-2025

[illegible]

Profile type:	ROS
Watchkeeper(s):	Moirra Galbraith

Bottom Depth:	110 m
Trans Clean:	yes
Fl. Clean:	yes
Par Status:	yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	06:29:39	22:29:39
Bottom	06:41:22	
End	06:50:51	

Positional Information	
Lat:	48 34.631 N
Lon:	125 30.319 W

Bottom	Lat:	48 34.722 N
	Lon:	125 30.538 W

End	Lat:	48 34.79 N
	Lon:	125 30.754 W

Extra comments:

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

03-02-2025

[illegible]

Profile type:	ROS
Watchkeeper(s):	Chloe Immonen

Bottom Depth:	m
Trans Clean:	yes
Fl. Clean:	yes
Par Status:	yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	09:45:57	01:46:57
Bottom	09:49:04	
End	10:07:23	

Positional Information	
Lat:	48 36.022 N
Lon:	126 0.09 W

Bottom	Lat:	48 36.018 N
	Lon:	126 0.12 W

End	Lat:	48 36.016 N
	Lon:	126 0.271 W

Extra comments:

Used new DIC sampling technique, new pipette, new head space maker (part of sampling tube), DOC CDOM trouble with filters

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

03-02-2025

[illegible]

Watchkeeper(s):	Chloe Immonen
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Par Status: yes

End	12:22:21	
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Lon: 126 20.108 W

Lon: 126 20.188 W

Lon: 126 20.242 W

Extra comments:

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

03-02-2025

Extra comments:

HPLC

OUT-OF-ORDER! CTD to 150m please

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

03-02-2025

[illegible]

Watchkeeper(s):	Chloe Immonen
------------------------	---------------

Par Status: yes

End	19:19:45
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126 39.952 W

126 39.604 W

126 38.819 W

Deep

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

02-03-2025

[illegible]

Watchkeeper(s): KS

Bottom Depth: 1345

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: ☒ On / ☐ Off

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	2009	209
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Bottom		
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End	2106	1306
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Positional Information

Lat: 48 ° 38 99 N

Start	Lon: 126° 39' 60" W
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Lat: 48° 38.44' N

Bot: Lon: 126° 39' 68" W

n	Lat:	0	N

End: Lon: W

Extra comments:

TM

ABORT WINCH COUNCIL
NOT WORKING
SHOP CONTACTED

CTD File Name:

CTD File Name:

Integrity Check		Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		All Samples										Comments	
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	✓	Confirmed Pressure	Nut-F	CHL	HPLC	Sal										Save sheet after printing labels: YES
1			1	58	5	✓	5	X	X	X	x										
2																					
3				5017	Loop				xx		x										
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Profile type: ROS

Watchkeeper(s): Chloe Immonen

Bottom Depth: 2536 m

Trans Clean: yes Fl. Clean: yes

Par Status: yes

Time

UTC

Local

Start

08:29:45

00:29:45

Bottom

09:03:05

End

Positional Information

Start

Lat: 48 46.6 N

Lon: 128 9.812 W

Bottom

Lat: 48 46.588 N

Lon: 128 9.454 W

End

Lat: 48 46.552 N

Lon: 128 9.1 W

Extra comments:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

03-03-2025

Extra comments:

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

03-03-2025

Extra comments:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P10

Event #:

22

Ship:

Laurier

UTC Date (dd-mm-yyyy):

03-03-2025

[illegible]

Profile type:	ROS
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Watchkeeper(s):	Moirra Galbraith
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Bottom Depth:	2673 m
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Trans Clean: yes Fl. Clean: yes

Par Status: yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	22:10:03	14:10:03

Bottom 22:46:52

End	23:26:21
-----	----------

Positional Information

48 53.629 N

129 39.986 W

Lat.	48 53.77 N
------	------------

Lon: 129 39.885 W

Lat: 48 54.037 N

129 39.705 W

Extra comments:

Version: 01-Jan-25

CTD File Name:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P11

Event #: _____

23

Ship:

Laurier

UTC Date (dd-mm-yyyy):

03-04-2025

[illegible]

Profile type:	ROS
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Watchkeeper(s):	Moir Galbraith
------------------------	----------------

Bottom Depth: 2786 m

Trans Clean: yes Fl. Clean: yes

Par Status: yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	01:59:53	17:59:53

Bottom	02:35:02
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End	03:12:13
-----	----------

Positional Information

Lat: 48 56.141 N

130 10.101 W

Lat: 48 56.38 N

Log: 130 10.188 W

Lat: 48 56.549 N

End Lon: 130 10.278 W

Extra comments:

Version: 1.0 01-Jan-25

CTD File Name:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P12

Event #: _____

24

Ship:

Laurier

UTC Date (dd-mm-yyyy):

03-04-2025

[illegible]

Profile type:	BOT
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Watchkeeper(s):	Danielle Caleb
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Bottom Depth:	3231 m
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Trans Clean: NA Fl. Clean: NA

Par Status:

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	05:45:58	21:45:58

Bottom	06:35:55	
End	07:29:27	

Positional Information

Lat: 48 58.108 N

StarH Lon: 130 39.625 W

Lat:	48 58.25 N
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Lon:	130 39.284 W
------	--------------

Lat: 48 58.433 N

End	Lon:	130 39.059 W
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Extra comments:

TM

Version: 01-Jan-25

CTD File Name:

Cruise ID:2025-001

Station:P12

Event #:25

Ship:Laurier

UTC Date (dd-mm-yyyy):03-04-2025

Integrity Check			Rosette Operation					Sampler's Initials / Samples Taken				Sample Lists:		All Samples										Comments			
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	✓	Confirmed Pressure	Nut-F	CHL	HPLC	Garrett																Save sheet after printing labels: YES
1			3	96	60	✓	60	x	xx	xx																	
2			4	97	50	✓	50	xx	x	xx																	
3			5	98	40	✓	40	x	x	xx																	
4			6	99	30	✓	30	x	x	xx																	
5			7	100	15	✓	15	x	x	xx																	
6			8	101	5	✓	5	x	x	xx																	
7			1	102	95	✓	95				x															30-40 below the MLD	
8			2	103	60	✓	60				x															10-20 below the MLD	
9			9	104	5	✓	5				x																
10																											
11																											
12																											
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22																											
23																											
24																											

Profile type:ROS

Watchkeeper(s):Chloe Immonen

Bottom Depth:3227 m

Trans Clean: yesFl. Clean: yes

Par Status:no

TimeUTCLocal

Start08:07:0100:07:01

Bottom08:10:00

End08:19:14

Positional Information

StartLat:48 58.221 N

StartLon:130 39.61 W

BottomLat:48 58.217 N

BottomLon:130 39.63 W

EndLat:48 58.19 N

EndLon:130 39.738 W

Extra comments:

HPLC
OUT-OF-ORDER! CTD to 150m please

Cruise ID:2025-001

Station:P12

Event #:28

Ship:Laurier

UTC Date (dd-mm-yyyy):03-04-2025

Integrity Check			Rosette Operation					Sampler's Initials / Samples Taken					Sample Lists:					All Samples										Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Profile type:ROS

Watchkeeper(s):Chloe Immonen

Bottom Depth:3227 m

Trans Clean: yesFl. Clean: yes

Par Status:no

Time	UTC	Local
Start	11:10:10	03:10:10
Bottom	12:06:35	
End	13:30:45	

Positional Information

Start

Lat:48 58.478 N

Lon:130 39.737 W

Bottom

Lat:48 58.559 N

Lon:130 40.456 W

End

Lat:48 58.582 N

Lon:130 41.572 W

Extra comments:

Deep

Cruise ID:2025-001

Station:P13

Event #:29

Ship:Laurier

UTC Date (dd-mm-yyyy):04-03-2025

Integrity Check			Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		All Samples												Comments	
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	✓	Confirmed Pressure	Nut-F	CHL	HPLC	Sal													Save sheet after printing labels: YES
1			1	129	5	✓	5	x	xx	xx	x													
2																								
3				5029	Loop				xx		x													
4																								
5																								
6																								
7																								
8																								
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22																								
23																								
24																								

Profile type:ROS

Watchkeeper(s):Chloe Immonen

Bottom Depth:3035 m

Trans Clean: yesFl. Clean: yes

Par Status:yes

TimeUTCLocal

Start18:48:2610:48:26

Bottom19:24:02

End20:00:33

Positional Information

StartLat:49 2.706 N

StartLon:131 39.673 W

BottomLat:49 2.965 N

BottomLon:131 39.102 W

EndLat:49 3.193 N

EndLon:131 38.726 W

Extra comments:

Cruise ID:2025-001Station:P14Event #:30Ship:LaurierUTC Date (dd-mm-yyyy):05-03-2025

Integrity Check					Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists:		All Samples										Comments	
Niskin #	Vent	Splgot	Firing #	Sample #	Target Pressure	Confirmed Pressure																			Save sheet after printing labels: YES	
						✓	Nut-F	CHL	HPLC	Sal	DOC	CDOM	TOC													
1			1	130	Bot-10	✓	3354					x	x													
2			2	131	3000	✓	2999				xx	x	x													
3			3	132	2500	✓	2500				x	x	x													
4			4	133	2000	✓	2002				x	x	x													
5			5	134	1750	✓	1750				x	x	x													
6			6	135	1500	✓	1499				x	x	x													
7			7	136	1250	✓	1251				xx	x	x													
8			8	137	1000	✓	1001				x	x	x													
9			9	138	800	✓	799				x	x	x													
10			10	139	600	✓	600				x	x	x													
11			11	140	400	✓	400				x	x	x													
12			12	141	300	✓	300				x	x	x													
13			13	142	250	✓	251				x	x	x													
14			14	143	200	✓	200				x	x	x													
15			15	144	175	✓	172				x	x	x													
16			16	145	150	✓	152				x	x	x													
17			17	146	125	✓	127				x	x	x													
18			18	147	100	✓	101				x	x	x													
19			19	148	75	✓	73				x	x	x													
20			20	149	50	✓	53				x	x	x													
21			21	150	25	✓	26				x	xx	xx													
22			22	151	10	✓	11				x	x	x													
23			23	152	5	✓	4				x	x	x													
24			24	153	5	✓	6	x	x	xx																

Profile type:ROS

Watchkeeper(s):Moira Galbraith

Bottom Depth:3306 m

Trans Clean: yesFl. Clean: yes

Par Status:yes no.

Time	UTC	Local
Start	00:53:52	16:53:52
Bottom	01:52:08	
End	03:31:06	

Positional Information

Start

Lat:49 7.397 N

Lon:132 39.872 W

Bottom

Lat:49 7.589 N

Lon:132 39.717 W

End

Lat:49 8.023 N

Lon:132 39.361 W

Extra comments:

Cruise ID:2025-001

Station:P15

Event #:31

Ship:Laurier

UTC Date (dd-mm-yyyy):05-03-2025

Integrity Check			Rosette Operation					Sampler's Initials / Samples Taken				Sample Lists:		All Samples												Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	✓	Confirmed Pressure	Nut-F	CHL	HPLC	Sal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

Profile type:ROS

Watchkeeper(s):Chloe Immonen

Bottom Depth:3400 m

Trans Clean: yesFI Clean: yes

Par Status:no

TimeUTCLocal

Start08:36:2200:36:22

Bottom09:10:05

End09:45:56

Positional Information

StartLat:49 12.024 N

StartLon:133 39.991 W

BottomLat:49 12.148 N

BottomLon:133 39.984 W

EndLat:49 12.298 N

EndLon:133 39.957 W

Extra comments:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P16

Event #:

32

Ship:

Laurier

UTC Date (dd-mm-yyyy):

5-Mar-25

[illegible]

Profile type:	ROS
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Watchkeeper(s):	Chloe Immonen
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Bottom Depth: _____ m

Trans Clean:	yes	Fl. Clean:	yes
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Par Status:	no
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<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	14:52:53	06:52:53
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Bottom	15:58:10
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End	17:34:18
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Positional Information

49 16.995 N

134 39.941 W

Lat: 49 17.433 N

134 39.106 W

Lat: 49 18.052 N

134 38.168 W

Extra comments:

Deep

Version: 01-Jan-25

CTD File Name:

Cruise ID:2025-001

Station:P16

Event #:35

Ship:Laurier

UTC Date (dd-mm-yyyy):5-Mar-25

Integrity Check			Rosette Operation					Sampler's Initials / Samples Taken				Sample Lists:		All Samples										Comments		
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	✓	Confirmed Pressure	Nut-F	CHL	HPLC	Garrett															Save sheet after printing labels: YES
1			3	179	60	✓	60	x	x	xx																
2			4	180	50	✓	51	x	xx	xx																
3			5	181	40	✓	41	xx	x	xx																
4			6	182	30	✓	30	x	x	xx																
5			7	183	15	✓	16	x	x	xx																
6			8	184	5	✓	5	x	x	xx																
7			1	185	-35	✓	125				x															30-40 below the MLD
8			2	186	-15	✓	81				x															10-20 below the MLD
9			9	187	5	✓	5				x															
10																										
11																										
12																										
13																										
14																										
15																										
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19																										
20																										
21																										
22																										
23																										
24																										

Profile type:ROS

Watchkeeper(s):Moira Galbraith

Bottom Depth:3614 m

Trans Clean: yesFi. Clean: yes

Par Status:yes

TimeUTCLocal

Start20:25:5512:25:55

Bottom

End20:41:47

Positional Information

StartLat:49 16.996 N

StartLon:134 39.734 W

BottomLat:

BottomLon:

EndLat:49 17.016 N

EndLon:134 39.608 W

Extra comments:

HPLC

OUT-OF-ORDER! CTD to 150m please

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

[illegible]

Version: 01-Jan-25

CTD File Name:

5-Mar-25

Profile type:	BOT
Watchkeeper(s):	Danielle Caleb

Bottom Depth:		m	
Trans Clean:	NA	Fl. Clean:	NA
Par Status:			

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	22:12:43	14:12:43
Bottom	21:55:07	
End	22:51:02	

Positional Information

Lat:	49 16.866 N
Lon:	134 39.436 W

Lat:	49 16.902 N
Lon:	134 39.596 W

Lat:	49 16.813 N
Lon:	134 39.169 W

Extra comments:
<i>TM</i>

Integrity Check		Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		All Samples										Comments	
Niskin #	Vent	Splgot	Firing #	Sample #	Target Pressure	✓	Confirmed Pressure	Nut-F	CHL	HPLC	Sal										Save sheet after printing labels: YES
1			1	198	5	✓	5	x	xx	xx	x										
2																					5037
3				5037	Loop				xx		x										Sal
4																					P17
5																					2025-001
6																					Loop m
7																					bot 3
8																					5037B
9																					CHL
10																					P17
11																					2025-001
12																					Loop m
13																					bot 3
14																					5037A
15																					CHL
16																					P17
17																					2025-001
18																					Loop m
19																					bot 3
20																					
21																					
22																					
23																					
24																					

Profile type:	ROS
Watchkeeper(s):	Moira Galbraith

Bottom Depth:	3604 m		
Trans Clean:	yes	Fl. Clean:	yes
Par Status:	yes		

Time	UTC	Local
Start	03:42:45	19:42:45
Bottom	04:14:07	
End	04:50:59	

Positional Information	
Start	
Lat:	49 21.083 N
Lon:	135 40.013 W

Bottom	
Lat:	49 21.193 N
Lon:	135 40.079 W

End	
Lat:	49 21.273 N
Lon:	135 40.225 W

Extra comments:
LOOP 5037 1 SAL 2 CHL NOT TAKEN

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P18

Event #:

39

Ship:

Laurier

UTC Date (dd-mm-yyyy):

6-Mar-25

[illegible]

Profile type:	ROS
Watchkeeper(s):	Chloe Immonen

Bottom Depth: _____ m

Trans Clean:	NA	Fl. Clean:	NA
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Par Status:	no
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<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	09:16:59	01:16:59
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Bottom	10:22:17	
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End	11:48:35	
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Positional Information

Lat: 49 26.076 N

Lon: 136 39.905 W

Lat: 49 26.596 N

Lon: 136 39.546 W

Lat: 49 27.009 N

Lon: 136 39.674 W

Extra comments:

par off

Version: 01-Jan-25

CTD File Name:

Cruise ID:

2025-001

Station:

P19

Event #:

41

Ship:

Laurier

UTC Date (dd-mm-yyyy):

6-Mar-25

Niskin #	Integrity Check		Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken				Sample Lists:		All Samples												Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Vent	Spigot			Target Pressure	✓	Confirmed Pressure	Nut-F	CHL	HPLC	Sal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

Profile type:ROS

Watchkeeper(s):Chloe Immonen

Bottom Depth:3913 m

Trans Clean: yesFl. Clean: yes

Par Status:yes

TimeUTCLocal

Start16:20:0808:20:08

Bottom16:55:03

End17:31:02

Positional Information

StartLat:49 30.014 N

StartLon:137 39.927 W

BottomLat:49 30.293 N

BottomLon:137 39.65 W

EndLat:49 30.603 N

EndLon:137 39.467 W

Extra comments:

Water Properties Group

Program
STN List:

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P20

Event #: _____

43

Ship:

Laurier

UTC Date (dd-mm-yyyy):

06.03.2025

[illegible]

Profile type:

~~ROS~~ BOT

Watchkeeper(s):

KS

Bottom Depth:

39 37

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	2229	1429
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Bottom	MR	2317	
--------	----	------	--

End	BE	2333	
-----	----	------	--

EN 0001

Positional Information

Lat: 49 34.05 N

Lon: 138 39.98 "

Lat: 49° 34.14' N

Lon: 38° 39.63' W

48 ° 34.34 N

138 ° 25 28 W

Extra comments:

TM

Version: 01-Jan-25

CTD File Name:

Cruise ID:2025-001

Station:P20

Event #:44

Ship:Laurier

UTC Date (dd-mm-yyyy):7-Mar-25

Integrity Check		Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: All Samples										Comments	
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	DOC	CDOM	TOC									Save sheet after printing labels: YES
1			1	234	Bot-10	✓	4025	x		x	x	x	x	x									
2			2	235	3500	✓	3500	x	x	x	x	x	x	x									
3			3	236	3000	✓	2999	x	x	x	x	x	x	x									
4			4	237	2500	✓	2500	xx	xx	x	x	x	x	x									
5			5	238	2000	✓	2001	x	x	x	x	x	x	x									
6			6	239	1750	✓	1751	x	x	xx	xx	x	x	x									
7			7	240	1500	✓	1504	x	x	x	x	xx	x	x									
8			8	241	1250	✓	1250	x	x	x	x	x	x	x									
9			9	242	1000	✓	1002	x	xx	x	x	x	x	x									
10			10	243	800	✓	800	xx	x	x	x	x	x	x									
11			11	244	600	✓	602	x		x	x	x	x	x									
12			12	245	400	✓	402	x		x	x	x	x	x									
13			13	246	300	✓	299	x		x		x	x	x									
14			14	247	250	✓	252	x		xx		x	x	x									
15			15	248	200	✓	203	x		x		x	x	x									
16			16	249	175	✓	175	x		x		x	x	x									
17			17	250	150	✓	151	xx		x		x	x	x									
18			18	251	125	✓	126	x		x		x	x	x									
19			19	252	100	✓	101	x		x		x	x	x									
20			20	253	75	✓	75	x		x		x	x	x									
21			21	254	50	✓	51	x		x		x	x	x									
22			22	255	25	✓	25	x		x		xx	x	x									
23			23	256	10	✓	12	xx		x		x	xx	xx	xx								
24			24	257	5	✓	12	x		x		x	x	x	x								

Profile type:ROS

Watchkeeper(s):Moira Galbraith

Bottom Depth:3939 m

Trans Clean: yesFl. Clean: yes

Par Status:no

TimeUTCLocal

Start00:32:0616:32:06

Bottom01:44:35

End03:28:17

Positional Information

Lat:49 34.156 N

Lon:138 39.521 W

Bottom

Lat:49 34.326 N

Lon:138 39.61 W

End

Lat:49 34.906 N

Lon:138 40.233 W

Extra comments:

Deep

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P21

Event #: _____

46

Ship:

Laurier

UTC Date (dd-mm-yyyy):

07-Mar-25

[illegible]

Profile type:	ROS
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Watchkeeper(s):

Bottom Depth:

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	10:44:01	02:44:01
Bottom	11:19:28	
End	11:54:45	

Positional Information

Lat: 49 38.156 N

Lon: 139 40.129 W

Lat: 49 ° 38.360 N

Lon: 139 °40.062 W

Lat: 49 ° 38.572 N

Lon: 139 °39.875 W

Extra comments:

Version: 01-Jan-25

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

7-Mar-25

Extra comments:

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

8-Mar-25

Profile type:	ROS
Watchkeeper(s):	Moirra Galbraith

Bottom Depth:	4054 m
Trans Clean: yes	Fl. Clean: yes
Par Status:	yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	02:06:51	18:06:51
Bottom	02:38:17	
End	03:15:18	

Positional Information

Start	Lat:	49 46.1 N
	Lon:	141 39.964 W

Bottom	Lat: 49 46.222 N
	Lon: 141 40 W

End	Lat:	49 46.387 N
	Lon:	141 39.96 W

Extra comments:

Calib

CTD File Name:

Water Properties Group

Program
STN List:

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P24

Event #: _____

50

Ship:

Laurier

UTC Date (dd-mm-yyyy): _____

8-Mar-25

[illegible]

Profile type:	ROS
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Watchkeeper(s):	Chloe Immonen
------------------------	---------------

Bottom Depth:	3958 m
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Trans Clean: yes Fl. Clean: yes

Par Status:	no
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<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	09:01:45	01:01:45
-------	----------	----------

Bottom	10:09:59
--------	----------

End	11:38:46
-----	----------

Positional Information

Lat: 49 50.282 N

Star Lon: 142 40.185 W

Lat: 49 50.552 N

Lon: 142 39.903 W

Lat: 49 50.821 N

End	Lon:	142 39.366 W
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Extra comments:

Version: 01-Jan-25

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

8-Mar-25

Extra comments:

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

8-Mar-25

Profile type:	ROS
Watchkeeper(s):	Moirra Galbraith

Bottom Depth:	4117 m
Trans Clean:	yes
Fl. Clean:	yes
Par Status:	yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	22:50:02	14:50:02
Bottom	23:27:16	
End	00:13:32	

Start	Lat:	49 59.937 N
	Lon:	144 18.075 W

Lon:	144 18.179 W
------	--------------

End	Lat:
	Lon: 144 18.319 W

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

9-Mar-25

Profile type:	BOT
Watchkeeper(s):	Kyle Simpson

Par Status: _____

End	04:55:12	
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Start	144 59.82 W
-------	-------------

Lon: 144 ° 58.86 W

nd	Lat:	
		144 59.718 W

TM-shallow

CTD File Name:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

P26

Event #:

56

Ship:

Laurier

UTC Date (dd-mm-yyyy):

9-Mar-25

Integrity Check			Rosette Operation					Sampler's Initials / Samples Taken					Sample Lists:					All Samples										Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	DOC	CDOM	TOC	ALK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

Profile type: ROS

Watchkeeper(s):	Moira Galbraith
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Bottom Depth:	4215 m
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Trans Clean: yes Fl. Clean: yes

Par Status:	no
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<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	05:29:05	21:29:05
-------	----------	----------

Bottom	06:48:08
--------	----------

End	08:39:40
-----	----------

Positional Information

Lat: 49 59.892 N

Long: 145 0.271 W

Lat: 49 59.994 N

Lon: 145 0.014 W

Lat: 50 0.119 N

End Lon: 144 59.706 W

Extra comments:

Deep

Version: 01-Jan-25

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

9-Mar-25

Profile type:	BOT
Watchkeeper(s):	Danielle Caleb

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	11:49:43	03:49:43
Bottom	12:37:39	
End	13:40:28	

Start

Bottom

End

Extra comments:

TM-deep

CTD File Name:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

9-Mar-25

Extra comments:

HPLC

OUT-OF-ORDER! CTD to 150m please

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

11-Mar-25

[illegible]

Watchkeeper(s):	Moirra Galbraith
------------------------	------------------

Par Status: yes

End	00:11:19	
-----	----------	--

End	Lon: 129 29.428 W
-----	-------------------

Extra comments:

**Program
STN List:**

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

12-Mar-25

Profile type:	ROS
Watchkeeper(s):	Moira Galbraith

Par Status: yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	05:48:06	21:48:06
Bottom	05:52:55	
End	06:15:29	

Lon: 128 28.008 W

Lon: 128 28.012 W

End	128 27.803 W
Lon:	

Extra comments:

CTD File Name:

Water Properties Group

Program
STN List:

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:2025-001

Station:14

Event #:83

Ship:Laurier

UTC Date (dd-mm-yyyy):13-Mar-25

Niskin #	Integrity Check		Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All Samples												Comments Save sheet after printing labels: YES	
	Vent	Spigot			Target Pressure	Confirmed Pressure	Nut-F	CHL	NPLC	POM														
1			1	386	Bot-5	✓	310	xx																
2			2	387	5	✓	5		x															
3			3	388	0	✓	2.1	x	xx	xx														
4			4	389	0	✓	2				xxxx													
5																								
6																								
7																								
8																								
9																								
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20																								
21																								
22																								
23																								
24																								

Version:01-Jan-25

CTD File Name:

Profile type:ROS

Watchkeeper(s):Moira Galbraith

Bottom Depth:317 m

Trans Clean: yesFI. Clean: yes

Par Status:yes

TimeUTCLocal

Start02:04:0718:04:07

Bottom02:10:56

End02:20:06

Positional Information

StartLat:49 53.055 N

StartLon:124 59.848 W

BottomLat:49 53.048 N

BottomLon:124 59.824 W

EndLat:49 53.033 N

EndLon:124 59.832 W

Extra comments:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

12

Event #:

86

Ship:

Laurier

UTC Date (dd-mm-yyyy):

13-Mar-25

[illegible]

Profile type:	ROS
Watchkeeper(s):	Moira Galbraith

Bottom Depth:	353 m
Trans Clean:	yes
Fl. Clean:	yes
Par Status:	yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	05:29:20	21:29:20
Bottom	05:35:41	
End	06:05:26	

Positional Information	
Lat:	49 43.743 N
Lon:	124 40.919 W

Bottom	Lat:	49 43.72 N
	Lon:	124 40.926 W

End	Lat:	49 43.7 N
	Lon:	124 40.938 W

Extra comments:

Version: 01-Jan-25

CTD File Name:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

9

Event #:

87

Ship:

Laurier

UTC Date (dd-mm-yyyy):

13-Mar-25

[illegible]

Profile type:	ROS
Watchkeeper(s):	Chloe Immonen

Bottom Depth:	187 m
Trans Clean:	yes
Fl. Clean:	yes
Par Status:	yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	07:11:24	23:11:24
Bottom	07:14:42	
End	07:21:05	

Positional Information	
Lat:	49 35.468 N
Lon:	124 38.309 W

Start

Bottom

End

Extra comments:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

13-Mar-25

[illegible]

ROS

Chloe Immonen

197 m

lean:

yes

Local

08:24:40

00:24:40

08:28:16

08:33:55

Positional Information

49 30.659 N

124 27.901 W

49 30.654 N

124 27.864 W

49 30.664 N

124 27.808 W

Extra comments:

CTD File Name:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

3

Event #:

91

Ship:

Laurier

UTC Date (dd-mm-yyyy):

13-Mar-25

[illegible]

Profile type: ROS

Watchkeeper(s): Kailee Clarke

Bottom Depth: 324 m

Trans Clean: yes Fl. Clean: yes

Par Status: yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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	10:53:00	02:53:00
--	----------	----------

	10:59:26	
--	----------	--

Bottom		

End	11:07:18
-----	----------

Positional Information

49 26.552 N

Lat:	
------	--

49 26.552 N

Lat: _____

49 26 556 N

Lat: 49 26.956 N

Extra comments:

Version: 01-Jan-25

CTD File Name:

Water Properties Group

**Program
STN List:**

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2025-001

Station:

2

Event #: _____

92

Ship:

Laurier

UTC Date (dd-mm-yyyy):

13-Mar-25

[illegible]

Profile type: ROS

Watchkeeper(s):	Kailee Clarke
------------------------	---------------

Bottom Depth: 280 m

Trans Clean: yes Fl. Clean: yesPar Status: yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	12:02:16	04:02:16

Bottom 12:07:26

End	12:14:56
-----	----------

Positional Information

Lat: 49 24.192 N

Lon: 124 9.498 W

Lat:	49 24.161 N
------	-------------

Lon: 124 9.466 W

Lat: 49 24.149 N

Lon: 124 9.434 W

Extra comments:

Version: 01-Jan-25

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

13-Mar-25

[illegible]

Watchkeeper(s):	Chloe Immonen
------------------------	---------------

Par Status: yes

End	13:26:58	
-----	----------	--

Lon: 124 5.952 W

Lon:	124 5.958 W
------	-------------

Lon: 124 5.997 W

Extra comments:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

13-Mar-25

[illegible]

Watchkeeper(s):	Chloe Immonen
------------------------	---------------

Par Status: yes

End	17:40:14	
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Lon:	123 47.883 W
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Lon: 123 47.842 W

End	Lon:	123 47.814 W
-----	------	--------------

Extra comments:

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

13-Mar-25

[illegible]

Watchkeeper(s):	Chloe Immonen
------------------------	---------------

Par Status: yes

End	18:55:20	
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Lon:	123 44.735 W
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Lon: 123 44.662 W

End	Lon:	123 44.518 W
-----	------	--------------

Extra comments:

CTD File Name:

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

13-Mar-25

[illegible]

Profile type:	ROS
Watchkeeper(s):	Moirra Galbraith

Bottom Depth:	376 m
Trans Clean:	yes
Fl. Clean:	yes
Par Status:	yes

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	22:43:39	14:43:39
Bottom	22:51:29	
End	23:00:43	

Positional Information	
Lat:	49 9.866 N
Lon:	123 33.096 W

Bottom	Lat: 49 9.886 N
	Lon: 123 33.144 W

End	Lat:	49 9.938 N
	Lon:	123 33.211 W

Extra comments:

CTD File Name:

Integrity Check			Rosette Operation					Sampler's Initials / Samples Taken					Sample Lists:		All Samples										Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Niskin #	Vent	Spigot	Firing #	Sample #	Target Pressure	✓	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	Lugol's	Chito	POM	Garrett																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Profile type: ROS

Watchkeeper(s): Moira Galbraith

Bottom Depth: 325 m

Trans Clean: yes Fl. Clean: yes

Par Status: yes

Time

UTC

Local

Start

01:45:21

17:45:21

Bottom

01:51:23

End

02:16:55

Positional Information

Lat:

49 1.845 N

Lon:

123 26.269 W

Lat:

49 1.851 N

Lon:

123 26.282 W

Lat:

49 1.913 N

Lon:

123 26.26 W

Extra comments:

Water Properties Group		Program STN List:	Sampling Log		Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC	
Cruise ID:	2025-001	Station:	Haro59	Event #:	108	Ship: Laurier
					UTC Date (dd-mm-yyyy):	14-Mar-25

Cruise ID:	2025-001	Station:	Haro59	Event #:	108	Ship:	Laurier	UTC Date (dd-mm-yyyy):	14-Mar-25
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14-Mar-25

[illegible]

Profile type:	ROS
Watchkeeper(s):	Chloe Immonen

Bottom Depth:	233 m
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Trans Clean:	yes	Fl. Clean:	yes
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Par Status: yes

Time	UTC	Local
------	-----	-------

Start	08:18:21	00:18:21
-------	----------	----------

Bottom	08:22:28	
--------	----------	--

	08:42:53	
--	----------	--

Positional Information

Lat:	48 36.923 N
------	-------------

Log: 123 14.81 W

Lat: 48 36.986 N

123 14.849 W

48 37.397 N

123 15.178 W

Extra comments:

Version: 01-Jan-25

CTD File Name: _____