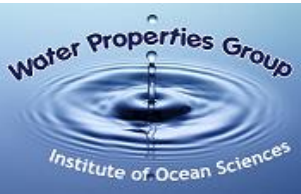


DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences



Cruise Number: 2023-009
Vessel: Franklin

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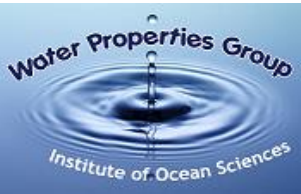
Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer ("dd-mm-yyyy hh:mm:ss")	Date Time (UTC) GPS ("dd-mm-yyyy hh:mm:ss")	Positional Information (DDD MM.MMM)		Sounder Depth (m)	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	CTD/Rosette Status			Comments
							Latitude	Longitude			Start	End			Trans. Cleaned	Fluorometer Cleaned	PAR Status	

1	SI	ROS	N/A	BE	06-10-2023 00:39:27	06-10-2023 00:39:25	48 39.261 N	123 29.834 W	170					Cindy Wright	yes	no	no	NOTE about TSG: we did not have flow to the flurometer until October 6, at approximately 0800 UTC. Fluor values ~3 at start=ignore. Values then drop to 0.5 , system is cleaned and then flow established around 0800
1	SI	ROS	N/A	BO	06-10-2023 00:42:07	06-10-2023 00:42:06	48 39.259 N	123 29.836 W		160				Cindy Wright				
1	SI	ROS	N/A	EN	06-10-2023 00:45:49	06-10-2023 00:45:47	48 39.259 N	123 29.834 W						Cindy Wright				test cast, stopped at 40m to trip bottles. No samples taken. 2 did not trip
2	LOOP	LOOP	N/A	BE	06-10-2023 16:33:53	06-10-2023 16:33:50	49 54.576 N	125 4.24 W						Cindy Wright	NA	yes		
3	QCST01	ROS	US	BE	07-10-2023 14:11:32	07-10-2023 14:11:28	50 41.811 N	126 58.74 W	201		2	2	1	Cindy Wright	yes	no	no	
3	QCST01	ROS	US	BO	07-10-2023 14:14:24	07-10-2023 14:14:22	50 41.812 N	126 58.726 W		191	2	2	1	Cindy Wright				-.24db deck pressure
3	QCST01	ROS	US	EN	07-10-2023 14:19:36	07-10-2023 14:19:33	50 41.811 N	126 58.707 W			2	2	1	Cindy Wright				
4	QCST01	NET		BE	07-10-2023 14:25:08	07-10-2023 14:25:04	50 41.813 N	126 58.696 W	201	190				Cindy Wright	NA	NA		
4	QCST01	NET		BE	07-10-2023 14:27:31	07-10-2023 14:27:29	50 41.815 N	126 58.698 W		190				Cindy Wright	NA	NA		
4	QCST01	NET		BO	07-10-2023 14:33:32	07-10-2023 14:33:30	50 41.808 N	126 58.651 W		190				Cindy Wright				
4	QCST01	NET		EN	07-10-2023 14:36:52	07-10-2023 14:36:50	50 41.803 N	126 58.635 W		190				Cindy Wright				
5	QCST01	SET		BE	07-10-2023 14:47:52	07-10-2023 14:47:51	50 41.94 N	126 59.166 W	200	0				Amy Tabata	NA	NA		
5	QCST01	SET		EN	07-10-2023 15:30:15	07-10-2023 15:30:10	50 42.975 N	127 3.001 W		0				Amy Tabata				Only recording sets with CTD/Bongo work For other sets, see CS log
6	QCST03	ROS	US	BE	07-10-2023 17:52:49	07-10-2023 17:52:46	50 46.055 N	127 17.073 W	201		3	3	1	Cindy Wright	yes	no	no	-0.16 dp
6	QCST03	ROS	US	BO	07-10-2023 17:56:11	07-10-2023 17:56:06	50 46.068 N	127 17.053 W		191	3	3	1	Cindy Wright				
6	QCST03	ROS	US	EN	07-10-2023 18:01:04	07-10-2023 18:01:01	50 46.042 N	127 16.984 W		191	3	3	1	Cindy Wright				
7	QCTS03	NET		BE	07-10-2023 18:07:59	07-10-2023 18:07:55	50 46.076 N	127 16.942 W	175	165				Cindy Wright	NA	NA		
7	QCTS03	NET		BO	07-10-2023 18:13:40	07-10-2023 18:13:35	50 46.092 N	127 16.912 W		165				Cindy Wright				
7	QCTS03	NET		EN	07-10-2023 18:16:33	07-10-2023 18:16:32	50 46.095 N	127 16.902 W		165				Cindy Wright				
8	QCST03	SET		BE	07-10-2023 18:22:30	07-10-2023 18:22:28	50 46.21 N	127 16.884 W	185	15				Amy Tabata	NA	NA		
8	QCST03	SET		EN	07-10-2023 19:03:02	07-10-2023 19:02:58	50 46.517 N	127 21.057 W		15				Amy Tabata				
9	QCSD01	SET		BE	07-10-2023 23:29:02	07-10-2023 23:29:00	51 5.667 N	127 51.968 W	120	15				Amy Tabata	NA	NA		Started late, down in fish lab
9	QCSD01	SET		EN	07-10-2023 23:46:57	07-10-2023 23:46:55	51 5.958 N	127 53.355 W		15				Amy Tabata				

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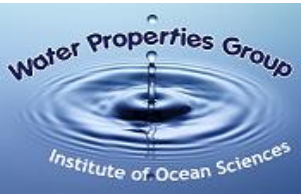
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CTD/Rosette Status

Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer ("dd-mm-yyyy hh:mm:ss")	Date Time (UTC) GPS ("dd-mm-yyyy hh:mm:ss")	Positional Information (DDD MM.MMM)		Sounder Depth (m)	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status	Comments
							Latitude	Longitude			Start	End						
10	QCSD01	ROS	US	BE	08-10-2023 00:39:43	08-10-2023 00:39:40	51 6.566 N	127 54.296 W	127		4	4	1	Cindy Wright	yes	no	no	QCSD01=QCST006 for PBS GFBio log (last tow of the day)
10	QCSD01	ROS	US	BO	08-10-2023 00:41:56	08-10-2023 00:41:51	51 6.564 N	127 54.305 W		117.6	4	4	1	Cindy Wright				
10	QCSD01	ROS	US	EN	08-10-2023 00:45:31	08-10-2023 00:45:26	51 6.552 N	127 54.312 W			4	4	1	Cindy Wright				
11	QCSD01	NET		BO	08-10-2023 00:55:24	08-10-2023 00:55:20	51 6.527 N	127 54.298 W	127	117				Cindy Wright				
11	QCSD01	NET		EN	08-10-2023 00:57:03	08-10-2023 00:57:00	51 6.53 N	127 54.298 W						Cindy Wright				
12	In transit	LOOP		BE	08-10-2023 01:25:04	08-10-2023 01:25:00	51 7.371 N	127 57.306 W	131	0				Cindy Wright	NA	NA		
13	T01	ROS	US	BE	08-10-2023 14:06:34	08-10-2023 14:06:30	51 16.601 N	128 18.291 W	73		6	6	1	Cindy Wright	yes	no	no	
13	T01	ROS	US	BO	08-10-2023 14:07:54	08-10-2023 14:07:53	51 16.601 N	128 18.293 W		63	6	6	1	Cindy Wright				
13	T01	ROS	US	EN	08-10-2023 14:10:37	08-10-2023 14:10:33	51 16.605 N	128 18.289 W		63	6	6	1	Cindy Wright				
14	T01	NET		BE	08-10-2023 14:19:28	08-10-2023 14:19:27	51 16.607 N	128 18.26 W	72					Cindy Wright	NA	NA		
14	T01	NET		BO	08-10-2023 14:35:38	08-10-2023 14:35:34	51 16.387 N	128 18.61 W						Cindy Wright				
14	T01	NET		EN	08-10-2023 14:36:40	08-10-2023 14:36:35	51 16.358 N	128 18.677 W						Cindy Wright				
15	T01	SET		BE	08-10-2023 14:37:16	08-10-2023 14:37:12	51 16.341 N	128 18.718 W	75					Amy Tabata	NA	NA		end record is late No CTD/Bongo on set TO3. Too much swell and wind. Run away, run away
15	T01	SET		EN	08-10-2023 15:24:51	08-10-2023 15:24:49	51 15.013 N	128 22.382 W						Amy Tabata				
16	loop	LOOP		BE	08-10-2023 18:47:51	08-10-2023 18:47:49	51 1.335 N	128 49.883 W	65		7	7	1	Cindy Wright	NA	NA		
17	QUAT2-1	ROS	N/A	BE	09-10-2023 14:42:36	09-10-2023 14:42:33	50 28.539 N	127 48.972 W	137					Cindy Wright	yes	no	no	archiving started at surface soak, b-5
17	QUAT2-1	ROS	N/A	BO	09-10-2023 14:46:23	09-10-2023 14:46:20	50 28.538 N	127 48.961 W		132				Cindy Wright				
17	QUAT2-1	ROS	N/A	EN	09-10-2023 14:48:41	09-10-2023 14:48:39	50 28.538 N	127 48.957 W						Cindy Wright				
18	QS02	SET		EN	09-10-2023 15:47:19	09-10-2023 15:47:15	50 30.064 N	127 43.09 W	120	15				Amy Tabata				only end of set recorded
19	QS02	ROS	US	BE	09-10-2023 16:04:53	09-10-2023 16:04:49	50 30.109 N	127 42.325 W	120		8	8	1	Cindy Wright	yes	no	no	archiving at surface soak, b-5 went past 5m on way up, then went back down
19	QS02	ROS	US	BO	09-10-2023 16:08:17	09-10-2023 16:08:14	50 30.109 N	127 42.325 W		114	8	8	1	Cindy Wright				
19	QS02	ROS	US	EN	09-10-2023 16:11:40	09-10-2023 16:11:35	50 30.105 N	127 42.323 W			8	8	1	Cindy Wright				
20	QS02	NET		BE	09-10-2023 16:17:23	09-10-2023 16:17:21	50 30.094 N	127 42.31 W	119					Cindy Wright	NA	NA		
20	QS02	NET		BO	09-10-2023 16:20:48	09-10-2023 16:20:45	50 30.083 N	127 42.302 W		110				Cindy Wright				
20	QS02	NET		EN	09-10-2023 16:22:46	09-10-2023 16:22:42	50 30.083 N	127 42.293 W						Cindy Wright				
21	Q4	ROS	US	BE	09-10-2023 16:55:16	09-10-2023 16:55:11	50 31.751 N	127 39.424 W	111		9	9	1	Cindy Wright	yes	no	no	QS03 fishing set, archiving begins as surface soak, b-5
21	Q4	ROS	US	BO	09-10-2023 16:58:36	09-10-2023 16:58:32	50 31.753 N	127 39.418 W		105	9	9	1	Cindy Wright				dp=-0.25 db
21	Q4	ROS	US	EN	09-10-2023 17:01:55	09-10-2023 17:01:53	50 31.753 N	127 39.416 W			9	9	1	Cindy Wright				
22	Q4	NET		BE	09-10-2023 17:08:07	09-10-2023 17:08:02	50 31.76 N	127 39.396 W	110	100				Cindy Wright	NA	NA		

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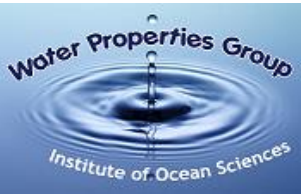
CTD/Rosette Status

Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer ("dd-mm-yyyy hh:mm:ss")	Date Time (UTC) GPS ("dd-mm-yyyy hh:mm:ss")	Positional Information (DDD MM.MMM)		Sounder Depth (m)	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status	Comments
							Latitude	Longitude			Start	End						
22 Q4	NET			BO	09-10-2023 17:11:53	09-10-2023 17:11:49	50 31.759 N	127 39.392 W		100				Cindy Wright				
22 Q4	NET			EN	09-10-2023 17:13:40	09-10-2023 17:13:38	50 31.756 N	127 39.391 W		100				Cindy Wright				
23 QS03	NET			BE	09-10-2023 17:35:06	09-10-2023 17:35:03	50 31.111 N	127 40.933 W	135	0				Amy Tabata	NA	NA		started about 15 minutes late
23 QS03	SET			EN	09-10-2023 18:00:30	09-10-2023 18:00:25	50 30.019 N	127 42.64 W						Amy Tabata				
24 N22	ROS		US	BE	09-10-2023 20:57:44	09-10-2023 20:57:40	50 30.424 N	127 35.915 W	140		10	22	13	Cindy Wright	yes	no	no	archiving started at surface
24 N22	ROS		US	BO	09-10-2023 21:01:17	09-10-2023 21:01:11	50 30.432 N	127 35.923 W		141	10	22	13	Cindy Wright				soak, b-5
24 N22	ROS		US	EN	09-10-2023 21:14:21	09-10-2023 21:14:16	50 30.446 N	127 35.981 W			10	22	13	Cindy Wright				bot 2 did not fire
25 N18	ROS		N/A	BE	09-10-2023 21:42:45	09-10-2023 21:42:40	50 29.703 N	127 34.444 W	155		23	23	1	Cindy Wright	yes	no	no	archiving started at surface
25 N18	ROS		N/A	BO	09-10-2023 21:45:41	09-10-2023 21:45:35	50 29.738 N	127 34.446 W		143				Cindy Wright				soak, b-5, dp=-0.25 but noisy
25 N18	ROS		N/A	EN	09-10-2023 21:49:26	09-10-2023 21:49:21	50 29.781 N	127 34.443 W						Cindy Wright				QS05=N18
26 QS05	SET			BE	09-10-2023 22:15:59	09-10-2023 22:15:57	50 28.612 N	127 33.268 W	141	15				Amy Tabata	NA	NA		started late
26 QS05	SET			EN	09-10-2023 22:37:04	09-10-2023 22:37:02	50 27.529 N	127 32.161 W										
27 N11	ROS		US	BE	09-10-2023 23:18:59	09-10-2023 23:18:57	50 23.676 N	127 28.952 W	97		24	24	1	Cindy Wright	yes	no	no	archiving starts at surface soak,
27 N11	ROS		US	BO	09-10-2023 23:21:39	09-10-2023 23:21:35	50 23.672 N	127 28.957 W		92.4	24	24	1	Cindy Wright				b-5m, N11=QS06 fishing event
27 N11	ROS		US	EN	09-10-2023 23:24:38	09-10-2023 23:24:35	50 23.667 N	127 28.961 W			24	24	1	Cindy Wright				
28 QS06	SET			BE	09-10-2023 23:28:06	09-10-2023 23:28:03	50 23.668 N	127 28.954 W	96	0				Amy Tabata	NA	NA		
28 QS06	SET			EN	10-10-2023 00:16:58	10-10-2023 00:16:53	50 26.265 N	127 30.949 W		0				Amy Tabata				
29 N13	ROS		US	BE	10-10-2023 01:18:34	10-10-2023 01:18:30	50 26.408 N	127 31.194 W	188		25	25	1	Cindy Wright	yes	no	no	archiving starts surface, b-5m,
29 N13	ROS		US	BO	10-10-2023 01:21:36	10-10-2023 01:21:32	50 26.406 N	127 31.193 W		182.6	25	25	1	Cindy Wright				dp=-0.26 to -0.31
29 N13	ROS		US	EN	10-10-2023 01:26:02	10-10-2023 01:25:57	50 26.405 N	127 31.192 W		182.6	25	25	1	Cindy Wright				
30 N13	NET			BE	10-10-2023 01:32:05	10-10-2023 01:32:00	50 26.419 N	127 31.188 W	188	178				Cindy Wright	NA	NA		
30 N13	NET			BE	10-10-2023 01:32:16	10-10-2023 01:32:12	50 26.418 N	127 31.188 W		178				Cindy Wright	NA	NA		
30 N13	NET			BO	10-10-2023 01:38:21	10-10-2023 01:38:19	50 26.424 N	127 31.19 W		178				Cindy Wright				
30 N13	NET			EN	10-10-2023 01:41:27	10-10-2023 01:41:24	50 26.429 N	127 31.179 W		178				Cindy Wright				
31 loop	LOOP			BE	10-10-2023 02:04:15	10-10-2023 02:04:11	50 29.141 N	127 33.814 W	193	0	26	26		Cindy Wright	NA	NA		
32 Q2 (QS08)	NET			BE	10-10-2023 14:57:06	10-10-2023 14:57:03	50 28.274 N	127 54.284 W						Cindy Wright	NA	NA		
32 Q2 (QS08)	NET			BO	10-10-2023 15:06:39	10-10-2023 15:06:35	50 28.267 N	127 54.295 W						Cindy Wright				
32 Q2 (QS08)	NET			EN	10-10-2023 15:09:57	10-10-2023 15:09:52	50 28.274 N	127 54.291 W						Cindy Wright				
33 Q2	ROS		US	BE	10-10-2023 15:18:30	10-10-2023 15:18:26	50 28.27 N	127 54.302 W	224		27	40	14	Cindy Wright	yes	no	no	archiving starts surface, b-5m
33 Q2	ROS		US	BO	10-10-2023 15:23:26	10-10-2023 15:23:24	50 28.272 N	127 54.293 W		218.5	27	40	14	Cindy Wright				bot2 did not fire

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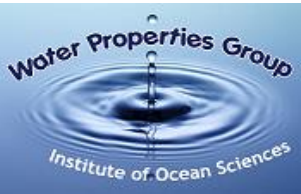
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							Latitude	Longitude			Start	End						
33 Q2	ROS		N/A	EN	10-10-2023 15:39:05	10-10-2023 15:39:00	50 28.266 N	127 54.188 W										
34 QS08	SET			BE	10-10-2023 15:56:46	10-10-2023 15:56:43	50 27.966 N	127 57.288 W	218					Amy Tabata	NA	NA		
34 QS08	SET			EN	10-10-2023 16:43:27	10-10-2023 16:43:23	50 28.375 N	127 52.814 W						Amy Tabata				
35 H3 (QS09)	ROS		US	BE	10-10-2023 20:00:21	10-10-2023 20:00:15	50 35.823 N	127 45.028 W	78		41	41	1	Cindy Wright	yes	no	no	archiving starts surface, b-5m H3=HOL3 for inlet station ID, system crashed no EN
35 H3 (QS09)	ROS		US	BO	10-10-2023 20:01:46	10-10-2023 20:01:41	50 35.824 N	127 45.028 W		71.6	41	41	1	Cindy Wright				
36 H3 (QS09)	NET			BE	10-10-2023 20:11:06	10-10-2023 20:11:04	50 35.804 N	127 44.992 W	78	68				Cindy Wright	NA	NA		
36 H3 (QS09)	NET			BO	10-10-2023 20:13:24	10-10-2023 20:13:19	50 35.805 N	127 45.002 W		68				Cindy Wright				
36 H3 (QS09)	NET			EN	10-10-2023 20:14:46	10-10-2023 20:14:40	50 35.81 N	127 45.002 W		68				Cindy Wright				
37 QS09	SET			BE	10-10-2023 20:31:12	10-10-2023 20:31:07	50 35.474 N	127 42.595 W	81					Amy Tabata	NA	NA		
37 QS09	SET			EN	10-10-2023 21:07:26	10-10-2023 21:07:20	50 35.227 N	127 38.695 W		0				Amy Tabata				
38 Ru3 (QS10)	ROS		US	BE	10-10-2023 22:22:42	10-10-2023 22:22:37	50 35.264 N	127 26.538 W	66		42	42	1	Cindy Wright	yes	no	no	archiving started with surface soak, b-5
38 Ru3 (QS10)	ROS		US	BO	10-10-2023 22:25:09	10-10-2023 22:25:03	50 35.266 N	127 26.543 W		60.4	42	42	1	Cindy Wright				
38 Ru3 (QS10)	ROS		US	EN	10-10-2023 22:27:46	10-10-2023 22:27:43	50 35.27 N	127 26.542 W			42	42	1	Cindy Wright				
39 Ru3 (QS10)	NET			BE	10-10-2023 22:33:43	10-10-2023 22:33:40	50 35.27 N	127 26.547 W	66	56				Cindy Wright	NA	NA		
39 Ru3 (QS10)	NET			BO	10-10-2023 22:35:31	10-10-2023 22:35:29	50 35.271 N	127 26.549 W		56				Cindy Wright				
39 Ru3 (QS10)	NET			EN	10-10-2023 22:36:51	10-10-2023 22:36:48	50 35.271 N	127 26.552 W		56				Cindy Wright				
40 QS10	SET			EN	10-10-2023 23:15:50	10-10-2023 23:15:45	50 34.776 N	127 30.096 W	62	15				Amy Tabata				
41 HOL1	ROS		N/A	BE	10-10-2023 23:45:11	10-10-2023 23:45:07	50 33.887 N	127 33.551 W	129					Cindy Wright	yes	no	no	archiving started with surface soak, b-5
41 HOL1	ROS		N/A	BO	10-10-2023 23:48:12	10-10-2023 23:48:08	50 33.889 N	127 33.55 W		123.5				Cindy Wright				
41 HOL1	ROS		N/A	EN	10-10-2023 23:50:27	10-10-2023 23:50:24	50 33.89 N	127 33.556 W						Cindy Wright				
42 LOOP	LOOP			BE	11-10-2023 00:01:19	11-10-2023 00:01:17	50 33.873 N	127 33.553 W	129	0				Cindy Wright	NA	NA		Taken while sitting at HOL1 waiting for tide
43 Q1 (QS12)	ROS		US	BE	11-10-2023 22:25:45	11-10-2023 22:25:42	50 24.969 N	128 0.059 W	170		45	45	1	Cindy Wright	yes	no	no	Surface soak, b-5, archiving on at surface
43 Q1 (QS12)	ROS		US	BO	11-10-2023 22:29:48	11-10-2023 22:29:45	50 24.973 N	128 0.066 W		167	45	45	1	Cindy Wright				upper 80m fluorometer trace quite noisy but did have big storm. Swell about 1.0m at time of cast
43 Q1 (QS12)	ROS		US	EN	11-10-2023 22:34:02	11-10-2023 22:33:58	50 24.975 N	128 0.056 W	173	167	45	45	1	Cindy Wright				
44 Q1 (QS12)	NET			BE	11-10-2023 22:43:56	11-10-2023 22:43:52	50 24.981 N	127 60 W	172					Cindy Wright	NA	NA		
44 Q1 (QS12)	NET			BO	11-10-2023 22:53:08	11-10-2023 22:53:03	50 25.003 N	127 59.95 W						Cindy Wright				
44 Q1 (QS12)	NET			EN	11-10-2023 22:53:13	11-10-2023 22:53:07	50 25.004 N	127 59.951 W						Cindy Wright				

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences



Cruise Number: 2023-009
Vessel: Franklin

Launch Daily
Science Log

Print Daily Science
Log WorkBook

CTD/Rosette Status

Event Number	Station Name	Cast Type	Firing Method	Time Code	Date Time (UTC) Computer ("dd-mm-yyyy hh:mm:ss")	Date Time (UTC) GPS ("dd-mm-yyyy hh:mm:ss")	Positional Information (DDD MM.MMM)		Sounder Depth (m)	Max Sampling Pressure	Sample Number		# of Bottles	Watch Keepers	Trans. Cleaned	Fluorometer Cleaned	PAR Status	Comments
							Latitude	Longitude			Start	End						
45	QS12	SET		BE	11-10-2023 22:57:35	11-10-2023 22:57:30	50 24.988 N	128 0.009 W	168					Amy Tabata	NA	NA		
45	QS12	SET		EN	11-10-2023 23:44:49	11-10-2023 23:44:46	50 22.683 N	128 3.229 W						Amy Tabata				
46	loop	LOOP		BE	12-10-2023 01:08:09	12-10-2023 01:08:04	50 28.442 N	127 52.552 W	165	1	46	46		Cindy Wright	NA	NA		
47	VI01	ROS	US	BE	12-10-2023 14:24:40	12-10-2023 14:24:36	50 15.152 N	128 2.647 W	83		47	47	1	Cindy Wright	yes	no	no	db=-0.17 VI stations=10m soak, archiving on post soak, b-10
47	VI01	ROS	US	BO	12-10-2023 14:26:03	12-10-2023 14:25:59	50 15.148 N	128 2.65 W		71.6	47	47	1	Cindy Wright				
47	VI01	ROS	US	EN	12-10-2023 14:29:32	12-10-2023 14:29:28	50 15.166 N	128 2.662 W	82	71.6	47	47	1	Cindy Wright				
48	VI01	NET		BE	12-10-2023 14:35:14	12-10-2023 14:35:08	50 15.162 N	128 2.654 W	82	72				Cindy Wright	NA	NA		
48	VI01	NET		BO	12-10-2023 14:37:54	12-10-2023 14:37:48	50 15.175 N	128 2.658 W		72				Cindy Wright				
48	VI01	NET		EN	12-10-2023 14:39:13	12-10-2023 14:39:07	50 15.182 N	128 2.654 W		72				Cindy Wright				
49	VI01	SET		BE	12-10-2023 14:44:29	12-10-2023 14:44:23	50 15.038 N	128 2.574 W	81	0				Amy Tabata	NA	NA		
49	VI01	SET		EN	12-10-2023 15:37:08	12-10-2023 15:37:00	50 12.279 N	128 1.275 W		0				Amy Tabata				
50	VI03	NET		BE	12-10-2023 18:01:15	12-10-2023 18:01:11	50 0.452 N	128 1.246 W	1312	250				Cindy Wright	NA	NA		
50	VI03	NET		BO	12-10-2023 18:09:11	12-10-2023 18:09:06	50 0.531 N	128 1.428 W		250				Cindy Wright				
50	VI03	NET		EN	12-10-2023 18:13:32	12-10-2023 18:13:29	50 0.587 N	128 1.472 W		250				Cindy Wright				
1309	VI03	ROS	US	BE	12-10-2023 18:25:17	12-10-2023 18:25:12	50 0.521 N	128 1.427 W	1313		48	63	16	Cindy Wright	yes	no	no	anticipating that bot 2 will not trip, so will trip it but take bot 3 at 1000m too.
51	VI03	ROS	US	BO	12-10-2023 18:47:14	12-10-2023 18:47:10	50 0.775 N	128 1.576 W		1309	48	63	17	Cindy Wright				<1m or so swell, around 20 kts.
51	VI03	ROS	US	EN	12-10-2023 19:20:16	12-10-2023 19:20:10	50 0.873 N	128 1.766 W	1313	1309	48	63	17	Cindy Wright				
52	VI03	SET		BE	12-10-2023 19:24:40	12-10-2023 19:24:35	50 0.879 N	128 1.807 W	1297	0				Amy Tabata	NA	NA		
52	VI03	SET		EN	12-10-2023 20:05:13	12-10-2023 20:05:07	49 59.173 N	128 1.466 W		0				Amy Tabata				
53	VI05	ROS	US	BE	12-10-2023 23:55:43	12-10-2023 23:55:37	49 57.009 N	127 39.558 W	105		64	64	1	Cindy Wright	yes	no	no	
53	VI05	ROS	US	BO	12-10-2023 23:57:38	12-10-2023 23:57:33	49 57.042 N	127 39.581 W		94	64	64	1	Cindy Wright				
53	VI05	ROS	US	EN	13-10-2023 00:00:13	13-10-2023 00:00:06	49 57.077 N	127 39.598 W	104	94	64	64	1	Cindy Wright				
54	VI05	NET		BE	13-10-2023 00:07:43	13-10-2023 00:07:38	49 57.197 N	127 39.699 W	103	93				Cindy Wright	NA	NA		
54	VI05	NET		BO	13-10-2023 00:10:42	13-10-2023 00:10:38	49 57.247 N	127 39.733 W		93				Cindy Wright				
54	VI05	NET		EN	13-10-2023 00:12:26	13-10-2023 00:12:20	49 57.265 N	127 39.73 W		93				Cindy Wright				
55	loop	LOOP		BE	13-10-2023 01:16:33	13-10-2023 01:16:27	49 56.409 N	127 24.418 W	65	0				Cindy Wright	NA	NA		
End of cruise																		