

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>June</u>			Year <u>2017</u>			Vessel <u>Vector</u>			Cruise ID <u>2017-64</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
049	108	24	11:00	BE	.		49° 4.43	123° 19.07	89		-		SR	☒	
			11:02	BO			° 4.44	° 19.12		84	-			☐	
			11:04	EN			° 4.45	° 19.17			-			☐	
050	37	24	12:07	BE	ROS		49° 13.61	123° 20.69	215		-		SR	☒	
			12:11	BO			° 13.61	° 20.69		211	-			☐	
			12:15	EN			° 13.60	° 20.69			-			☐	
051	38	24	12:44	BE	NET		49° 12.005	123° 26.401	308		-		KS	☐	
			12:55	BO			° 12.011	° 26.414		298	-			☐	
			13:01	EN			° 12.017	° 26.420			-			☐	
052	38	24	13:16	BE	ROS		49° 12.01	123° 26.37	309		-		SR	☒	
			13:21	BO			° 12.04	° 26.36		305	-			☐	
			13:26	EN			° 12.04	° 26.35			-			☐	
053	39	24	14:06	BE	ROS	US	49° 9.80	123° 33.02	378		166-183		SR	☒	
			14:13	BO			° 9.80	° 33.01		374	-			☐	
			14:35	EN			° 9.80	° 33.01			-			☐	
054	40	24	15:07	BE	NET		49° 08.607	123° 36.809	148		-		KS	☐	
			15:12	BO			° 08.604	° 36.812		13	-			☐	
			15:14	EN			° 08.609	° 36.801			-			☐	
			:				° .	° .			-			☐	

Event Type:

BOT = Bottle cast (no CTD)
CTD = Standalone CTD
ROS = CTD in Rosette
SET = Fish Set

LOOP = Sea Water Loop

MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter
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Bottle Firing Method:

US = Up / Stop (default)
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Time Code:

BE = Beginning Time of Cast
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CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products

DE = Deployment Time
MR = Messenger Release Time
RE = Recover Mooring Time

Produced by the Water Properties Group, IOS

WaterProperties.ca
Version: 6 December 2016

Notes:

This page is for any notes or observations

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Month June			Year 2017-64		Vessel Vector		Cruise ID 2017-64								
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
055	40	24	15:31	BE	ROS	us	49° 8.61	123° 36.82	154		184-188	5	SR	☒	Particle samples
			15:34	BO			° 8.62	° 36.81		150	-			☐	forgot on
			15:41	EN			° 8.62	° 36.80			-			☐	Station 39
056	GE01	24	16:42	BE	ROS	us	49° 14.97	123° 44.88	401		189-191	3	SR	☒	
			16:49	BO			° 14.97	° 44.89		397	-			☐	
			16:58	EN			° 14.99	° 44.91			-			☐	
057	GE01	24	17:05	BE	NET		49° 14.986	123° 44.910	400		-		KS/IP	☐	
			17:14	BO			° 14.985	° 44.891		386	-			☐	
			17:20	EN			° 14.979	° 44.929			-			☐	
058	GE01	24	17:28	BE	NET		49° 14.997	123° 44.960	400		-		KS/IP	☐	
			17:37	BO			° 14.997	° 44.960		386	-			☐	
			17:43	EN			° 15.004	° 44.932			-			☐	
059	26	24	18:21	BE	ROS		49° 14.30	123° 50.78	248		-		SR	☒	
			18:26	BO			° 14.30	° 50.80		243	-			☐	
			18:30	EN			° 14.30	° 50.80			-			☐	
			:				° .	° .			-			☐	
060	265	24	18:54	BE	ROS		49° 16.65	123° 49.53	406		-		RE	☒	
			19:02	BO			° 16.65	° 49.54		401	-			☐	
			19:08	EN			° 16.62	° 49.63			-			☐	

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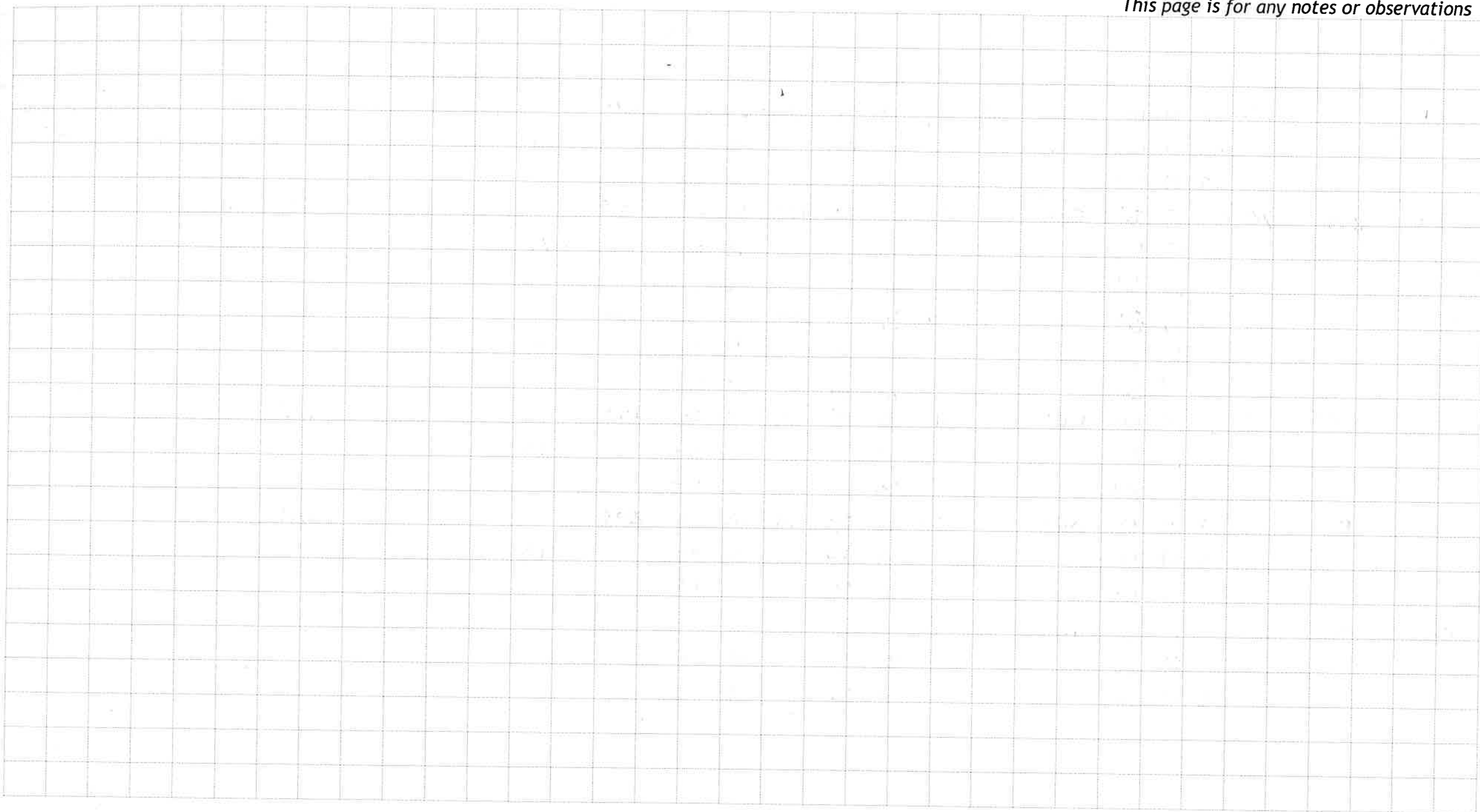
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Notes:

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Month <u>JUNE</u>			Year <u>2017</u>		Vessel <u>VECTOR</u>		Cruise ID <u>2017-64</u>									
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments	
061	27	24	19:32	BE	ROS	US	49° 19.09	123° 47.96	342		192 - 208	17	RE	☒	☐	fluorescence peak at 17 @ 5-10 m
			19:38	BO			° 19.09	° 48.02		337	-		PJB	☐	☐	
			19:55	EN			° 19.13	° 47.98			-			☐	☐	
062	275	24	20:33	BE	ROS		49° 21.84	123° 46.60	105		-		RE	☒	☐	
			20:35	BO			° 21.82	° 46.61		102	-			☐	☐	
			20:37	EN			° 21.82	° 46.61			-			☐	☐	
063	28	24	20:59	BE	ROS		49° 24.15	123° 45.35	130		-		RE	☒	☐	
			21:01	BO			° 24.15	° 45.36		127	-			☐	☐	
			21:03	EN			° 24.14	° 45.36			-			☐	☐	
064	28	24	21:08	BE	NET		49° 24.14	123° 45.36	131		-		RIP	☐	☐	
			21:13	BO			° 24.14	° 45.37			-			☐	☐	
			21:15	EN			° 24.14	° 45.37			-			☐	☐	
065	24	24	22:47	BE	NET		49° 30.35	124° 06.03	422		-		RIP	☐	☐	
			23:01	BO			° 30.34	° 06.03		412	-			☐	☐	
			23:09	EN			° 30.33	° 06.02			-			☐	☐	
066	24	24	23:24	BE	ROS		49° 30.35	124° 06.03	427		-		RE	☒	☐	NMEA error
			23:32	BO			° 30.34	° 06.01		421	-			☐	☐	in Sarsac
			23:40	EN			° 30.34	° 06.00			-			☐	☐	
			:				° .	° .			-			☐	☐	

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Sounder terra term Host 10.249.56.22
telnet tcp port # 23

- NMEA feed to Seaview not ^{showing} giving input data - use NMEA time + position from bridge feed in log

	Seaview	NMEA from bridge
time	23:19	23:27
Lat	49 30.358	49 30.348
Lon	124 6.047	124 06.019

time advancing 2s/s -
may check if accuracy clock

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Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Information		Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
067	25	25	00:04	BE	ROS		49° 27.73	124° 07.52	285		-		Re	☒ ☐	
			00:09	BO			° 27.72	° 07.51		281	-			☐ ☐	
			00:14	EN			° 27.71	° 07.51			-			☐ ☐	
068	2	25	00:49	BE	ROS	US	49° 24.12	124° 09.25	277		209-214	16	Re	☒ ☐	
			00:54	BO			° 24.11	° 09.28		273	-			☐ ☐	
			01:11	EN			° 24.10	° 09.30			-			☐ ☐	
069	CPF1	25	01:43	BE	ROS	US	49° 21.99	124° 05.08	245		215-217	3	Re	☒ ☐	
			01:48	BO			° 21.99	° 05.12		240	-			☐ ☐	
			01:55	EN			° 22.00	° 05.13			-			☐ ☐	
070	CPF1	25	02:02	BE	NET		49° 22.00	124° 05.13	245		-		RIP	☐ ☐	
			02:10	BO			° 22.03	° 05.15			-			☐ ☐	
			02:15	EN			° 22.03	° 05.16			-			☐ ☐	
071	1	25	02:59	BE	ROS		49° 20.29	124° 12.04	246		-		Re	☒ ☐	
			03:04	BO			° 20.30	° 12.07		243	-			☐ ☐	
			03:08	EN			° 20.30	° 12.08			-			☐ ☐	
072	4	25	04:08	BE	ROS		49° 24.50	124° 22.03	349		-		Re	☒ ☐	
			04:13	BO			° 24.50	° 22.05		342	-			☐ ☐	
			04:18	EN			° 24.50	° 22.06			-			☐ ☐	
			:				° .	° .			-			☐ ☐	

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after 5 minutes

NMEA on seaway closer to bridge NMEA with .005 for lat/lon, 20 s for time

- still issues with NMEA during cast - revert to NMEA GPS - day shows 24 → should be 25

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Month			Year			Vessel			Cruise ID						Page	
JUNE			2017			VECTOR			2017:64						19 of	
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments	
073	3	25	04:40	BE	ROS	US	49° 26.64	124° 20.15	320		218 - 234			☒		
			04:47	BO			° 26.62	° 20.19		316	-			☐		
			05:05	EN			° 26.56	° 20.17			-			☐		
074	BS17	25	07:01	BE	NET		49° 29.005	124° 45.999	58	-	-		IP	☐		
			07:03	BO			° 29.005	° 46.000		50	-			☐		
			07:04	EN			° 29.004	° 45.998			-			☐		
075	BS17	25	07:17	BE	ROS	US	49° 29.01	124° 46.02	61		235 - 242	8	SR	☒		
			07:19	BO			° 29.01	° 46.02		58	-			☐		
			07:27	EN			° 29.01	° 45.97			-			☐		
076	5	25	08:41	BE	NET		49° 27.981	124° 29.987	325		-			☐		
			08:53	BO			° 27.989	° 29.979		315	-			☐		
			08:58	EN			° 27.993	° 29.982			-			☐		
077	5	25	09:11	BE	ROS		49° 28.00	124° 29.98	326		-		SR	☒		
			09:17	BO			° 28.01	° 29.98		323	-			☐		
			09:22	EN			° 28.01	° 29.99			-			☐		
078	6		09:47	BE	ROS		49° 30.61	124° 27.78	194		243 - 256	14	SR	☒		
			09:51	BO			° 30.61	° 27.77		189	-			☐		
			10:06	EN			° 30.61	° 27.78			-			☐		
			:				°	°			-			☐		
Event Type: LOOP = Sea Water Loop Bottle Firing Method: Firing Method																

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SIN 3, Event 73: NO surface chl A samples Taken, 20m, 10m only. NO PARTICULATE samples taken.

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Month <u>June</u>			Year <u>2017</u>			Vessel <u>Vector</u>			Cruise ID <u>2017-64</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
079	7	25	10:42	BE	ROS	/	49°34.47	124°24.24	352		-	/	SR	☒	
			10:49	BO			°34.42	°24.21		349	-			☐	
			10:55	EN			°34.42	°24.19			-			☐	
080	8	25	11:46	BE	ROS	/	49°39.29	124°33.02	339		-	/	SR	☒	
			11:52	BO			°39.30	°33.02		335	-			☐	
			11:58	EN			°39.31	°33.01			-			☐	
081	9	25	12:32	BE	ROS	us	49°35.48	124°38.36	170		257-269	13	SR	☒	
			12:36	BO			°35.48	°38.35		166	-			☐	
			12:49	EN			°35.47	°38.33			-			☐	
082	10	25	13:43	BE	ROS		49°40.71	124°47.31	96		-	/	SR	☒	
			13:45	BO			°40.71	°47.31		93	-			☐	
			13:46	EN			°40.71	°47.31			-			☐	
083	11	25	14:18	BE	ROS		49°42.43	124°43.38	302		-	/	SR	☒	
			14:24	BO			°42.43	°43.43		298	-			☐	
			14:29	EN			°42.45	°43.41			-			☐	
084	12	25	14:44	BE	NET		49°43.612	124°40.783	352		-		KS	☐	
			14:56	BO			°43.622	°40.845		342	-			☐	
			15:02	EN			°43.622	°40.828			-			☐	
			:				°	°			-			☐	

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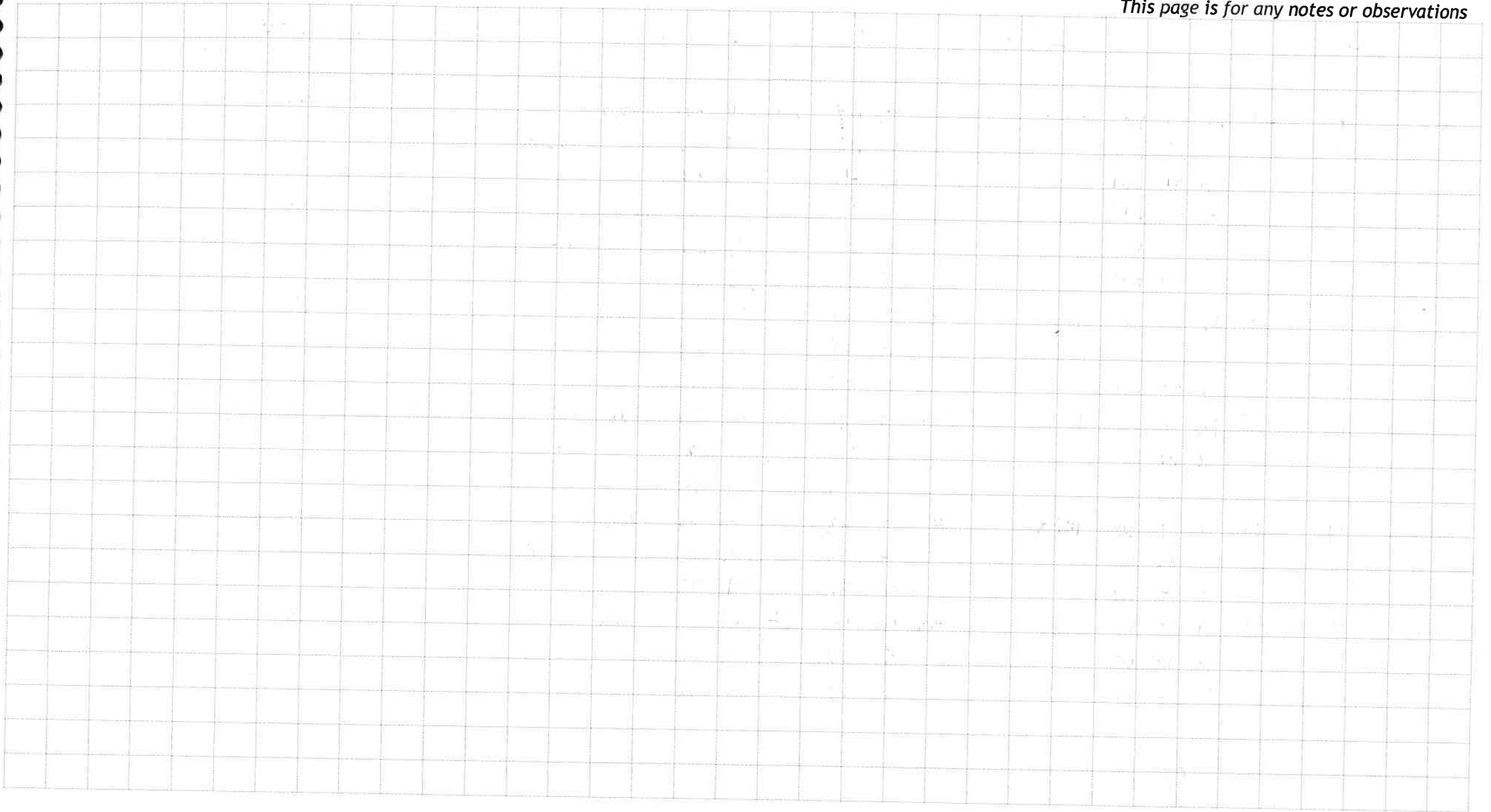
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Month <u>June</u>			Year <u>2017</u>			Vessel <u>Vector</u>			Cruise ID <u>2017-64</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
085	12	25	15:14	BE	ROS	us	49° 43.61	124° 40.82	355		270 - 286	17	SR	☒	
			15:21	BO			° 43.61	° 40.82		352	-			☐	
			15:41	EN			° 43.61	° 40.82			-			☐	
086	QU-39	25	18:10	BE	ROS		50° 01.84	125° 05.50	270		-		SR	☒	
			18:16	BO			° 01.84	° 05.51		266	-			☐	
			18:20	EN			° 01.84	° 05.51			-			☐	
087	21	25	19:29	BE	ROS		50° 02.00	125° 13.59	79		-		PC	☒	
			19:31	BO			° 02.04	° 13.62		76	-			☐	
			19:32	EN			° 02.05	° 13.63			-			☐	
088	16	25	20:18	BE	ROS	US	49° 57.70	125° 08.81	153		287 - 298	12	PC	☒	bottle 12
			20:21	BO			° 57.72	° 08.84		149	-			☐	lost water
			20:33	EN			° 57.74	° 08.82			-			☐	on recovery
089	17	25	21:01	BE	ROS		49° 58.82	125° 04.33	260		-			☐	
			21:05	BO			° 58.82	° 04.32		256	-			☐	test trip 11, 13, 13
			21:10	EN			° 58.81	° 04.32			-			☐	- all okay
090	18	25	21:39	BE	ROS		49° 59.18	124° 58.98	145		-		PC	☒	
			21:42	BO			° 59.17	° 58.96		140	-			☐	
			21:45	EN			° 59.17	° 58.95			-			☐	
			:				°	°			-			☐	

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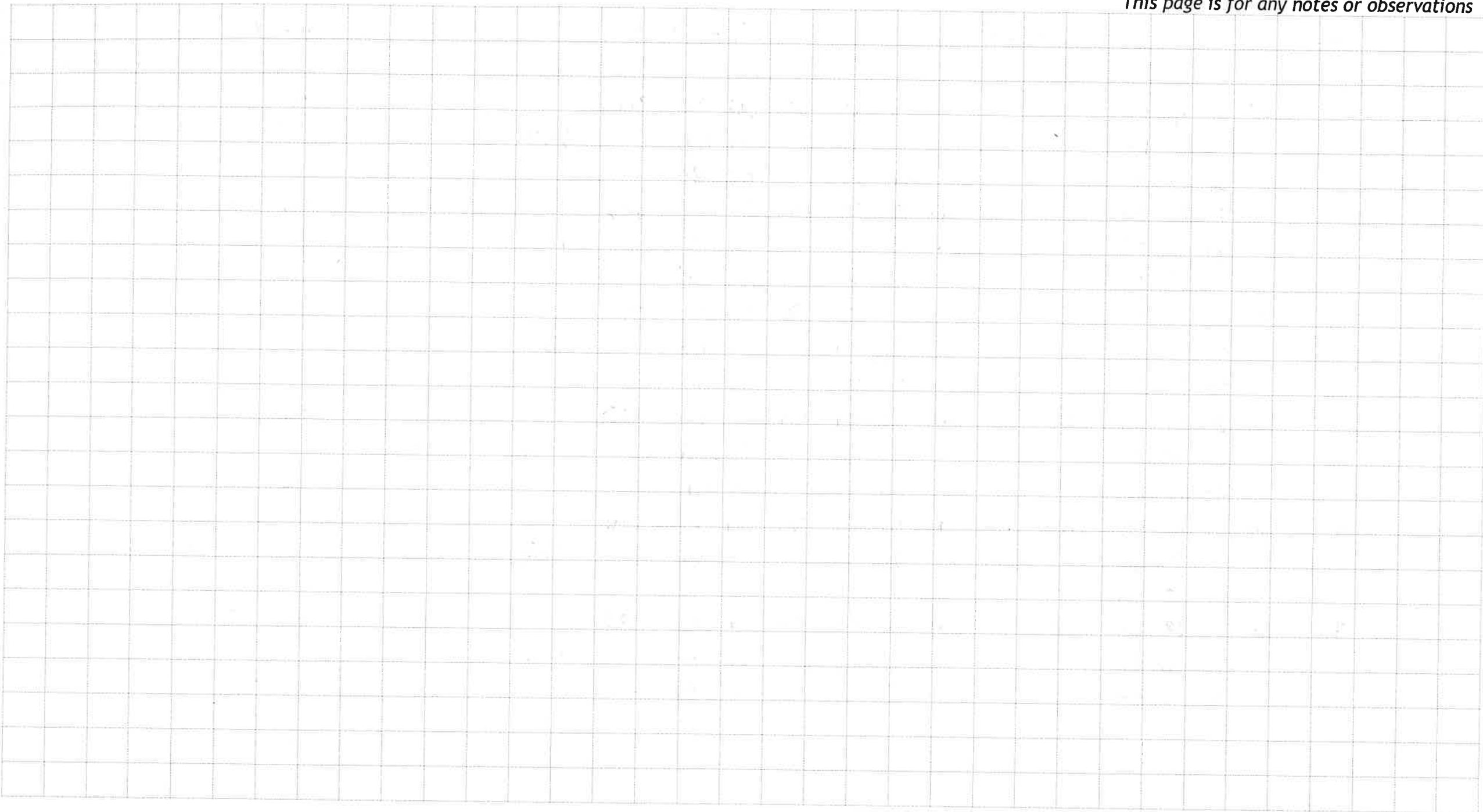
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Month JUNE				Year 2017		Vessel VECTOR				Cruise ID 2017-64					
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
091	19	25	22:19	BE	ROS		50°01.20	124°52.88	280		-		RE	☒ ☐	
			22:24	BO			°01.24	°52.90		267	-			☐ ☐	6.4 on altimeter
			22:28	EN			°01.25	°52.89			-			☐ ☐	
092	13	25	23:49	BE	ROS		49°55.32	124°55.22	232		-		RE	☒ ☐	depth sounder
			23:54	BO			°55.31	°55.17		237	-			☐ ☐	reading 239 at 80
			23:58	EN			°55.29	°55.16			-			☐ ☐	
093	14	26	00:34	BE	NET		49°53.02	124°59.61	315		-		RIP	☐ ☐	
			00:44	BO			°53.01	°59.61		305	-			☐ ☐	
			00:50	EN			°53.01	°59.60			-			☐ ☐	
094	14	26	00:56	BE	NET		49°53.01	124°59.62	315		-		RIP	☐ ☐	
			01:08	BO			°53.00	°59.62			-			☐ ☐	
			01:13	EN			°53.00	°59.62			-			☐ ☐	
095	14	26	01:23	BE	ROS	US	49°52.99	124°59.61	316		299-314	16	RE	☒ ☐	
			01:29	BO			°52.98	°59.60		310	-			☐ ☐	
			01:48	EN			°52.90	°59.61			-			☐ ☐	
096	15	26	02:24	BE	ROS		49°51.57	125°01.53	129		-		RE	☒ ☐	
			02:26	BO			°51.57	°01.54		126	-			☐ ☐	
			02:28	EN			°51.58	°01.54			-			☐ ☐	
			:				°	°			-			☐ ☐	

Event Type:

BOT = Bottle cast (no CTD)
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ROS = CTD in Rosette
SET = Fish Set

LOOP = Sea Water Loop

MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

Bottle Firing Method:

US = Up / Stop (default)
UN = Up / No stop
DN = Down / No stop

Notes:

Time Code:

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CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products

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Swim ex 15:30 - 15:50

Peter / Steve / Peter

DAILY SCIENCE LOG

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Month <u>JUNE</u>			Year <u>2017</u>			Vessel <u>VECTOR</u>			Cruise ID <u>2017-64</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
097	20	26	04:39	BE	ROS		49° 47.25	124° 32.37	304		-		<u>R</u>	☒ ☐	<u>depth sounder</u>
			04:45	BO			° 47.24	° 32.36		308	-			☐ ☐	<u>@ 306, alt @ 10</u>
			04:50	EN			° 47.24	° 32.35			-			☐ ☐	
098	22	26	06:17	BE	NET		49° 40.19	124° 16.29	352		-		<u>RIP</u>	☐ ☐	
			06:30	BO			° 40.17	° 16.31		342	-			☐ ☐	
			06:35	EN			° 40.17	° 16.31			-			☐ ☐	
099	22	26	06:45	BE	NET		49° 40.18	124° 16.31	352		-		<u>RIP</u>	☐ ☐	
			06:56	BO			° 40.17	° 16.32		342	-			☐ ☐	
			07:01	EN			° 40.161	° 16.335			-			☐ ☐	
100	22	26	07:13	BE	ROS		49° 40.21	124° 16.38	352		315-317	3	<u>SR</u>	☒ ☐	
			07:20	BO			° 40.26	° 16.39		349	-			☐ ☐	
			07:29	EN			° 40.28	° 16.40			-			☐ ☐	
101	28	26	10:20	BE	ROS		49° 24.10	123° 45.36	135		-		<u>SR</u>	☒ ☐	
			10:23	BO			° 24.09	° 45.35		132	-			☐ ☐	
			10:25	EN			° 24.08	° 45.36			-			☐ ☐	
102	275	26	14:12	BE	ROS		49° 21.76	123° 46.71	118		-		<u>SR</u>	☐ ☐	
			14:14	BO			° 21.77	° 46.71		114	-			☐ ☐	
			14:16	EN			° 21.77	° 46.70			-			☐ ☐	
			:				°	°			-			☐ ☐	

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6 1
2 el

Wed 1800
Thurs
Fri
Sat
Sun
Mon
Tue

5 days scan
.5 day scan
.25 day scan
.125

.750 day scan

- SAR call - vessel in distress off Sechart, fire sent to town to safety
0325 → 0712 3.5 h lost to program

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>June</u>			Year <u>2017</u>			Vessel <u>Vector</u>			Cruise ID <u>2017-64</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
103	27	26	14:38	BE	ROS		49°19.12	123°47.98	347		-		SR	☒	NMEA froze
			14:43	BO			°19.10	°47.99		344	-			☐	@ 14:39 briefly
			14:49	EN			°19.11	°48.00			-			☐	≈ 5 minutes.
104	265	26	15:10	BE	ROS		49°16.75	123°48.40	411		-		SR	☒	
			15:18	BO			°16.75	°48.42		408	-			☐	
			15:24	EN			°16.75	°48.44			-			☐	
105	26	26	15:51	BE	ROS		49°14.31	123°50.79	251		-		SR	☒	
			15:56	BO			°14.31	°50.80		247	-			☐	
			16:00	EN			°14.31	°50.80			-			☐	
106	38	26	17:33	BE	ROS		49°12.00	123°26.41	307		-		SR	☒	
			17:39	BO			°11.99	°26.41		304	-			☐	
			17:44	EN			°12.01	°26.41			-			☐	
107	38	26	17:55	BE	NET		49°12.000	°26.400	307		-		KS/IP	☐	
			18:01	BO			°12.001	°26.402		2	-			☐	
			18:05	EN			°11.998	°26.403			-			☐	
108	GI-01	26	20:55	BE	NET		48°45.821	123°20.551	61		-		RIP	☐	
			20:57	BO			°45.814	°20.558		52	-			☐	
			20:59	EN			°45.810	°20.554			-			☐	
			:				°	°			-			☐	

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