

This page is for any notes or observations

Tie up Nanaimo - Dept. Bay 17:15

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Page 7 of

Month <u>March</u>				Year <u>2019</u>			Vessel <u>Neocaligus</u>			Cruise ID <u>2019-007</u>					
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Pressure	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
53	38	7	18:00	BE	CTD		49° 12.011	123° 26.410	312		-		Ky	☐ ☐	cast 20✓
			18:08	BO			49° 12.007	123° 26.384		302	-			☐ ☐	
			18:13	EN			49° 12.009	123° 26.378			-			☐ ☐	
54	38	7	18:01	MR	BOT		49° 12.010	123° 26.407	312	0	- 40	1	DC	☐ ☐	POM-S1
55	38	7	18:16	BE	NET		49° 12.009	123° 26.377	312		-		KY/MM	☐ ☐	
			18:22	BO			49° 12.008	123° 26.372		302	-			☐ ☐	
			18:28	EN			49° 12.009	123° 26.382			-			☐ ☐	
56	108	7	19:27	BE	CTD		49° 4.414	123° 19.088	90		-		KY	☐ ☐	cast 21✓
			19:31	BO			49° 4.418	123° 19.059		80	-			☐ ☐	
			19:32	EN			49° 4.420	123° 19.044			-			☐ ☐	
57	41	7	20:05	BE	CTD		49° 3.309	123° 22.284	244		-		KY	☐ ☐	cast 22✓
			20:11	BO			49° 3.301	123° 22.263		234	-			☐ ☐	
			20:15	EN			49° 3.328	123° 22.233			-			☐ ☐	
58	41	7	20:08	MR	BOT		49° 3.301	123° 22.278		0	- 41	1	DC	☐ ☐	POM-S1
59	41	7	20:21	MR	BOT		49° 3.311	123° 22.289	245	5	- 42	2	DC	☐ ☐	POM-FA
60	41	7	20:24	BE	NET		49° 3.311	123° 22.275	245		-		KY/MM	☐ ☐	
			20:29	BO			49° 3.312	123° 22.258		235	-			☐ ☐	
			20:33	EN			49° 3.326	123° 22.234			-			☐ ☐	
			:				°	°			-			☐ ☐	

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

Bottle Firing Method:

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

Time Code:

BE = Beginning Time of Cast
BO = Bottom 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

Notes:

Produced by the Water Properties Group, IOS

WaterProperties.ca
Version: 20 April 2016

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to station 108 from 38 ~ 11:00

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Page 8 of

Month <u>March</u>			Year <u>2019</u>			Vessel <u>Neocaligus</u>			Cruise ID <u>2019-007</u>						
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Pressure	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
61	42	7	20:59	BE	CTD		49° 1.809	123° 26.185	324		-		KY	☐ ☐	cast 23 ✓
			21:07	BO			49° 1.828	123° 26.149		314	-			☐ ☐	
			21:12	EN			49° 1.850	123° 26.128			-			☐ ☐	
62	42	7	21:01	MR	BOT		49° 1.812	123° 26.175	324	0	- 43	1		☐ ☐	HPLC, chl a, phyto
63	46	7	22:48	BE	CTD		48° 51.412	123° 10.817	182		-		KY	☐ ☐	cast 24 ✓
			22:53	BO			48° 51.416	123° 10.799		172	-			☐ ☐	
			22:56	EN			48° 51.419	123° 10.795			-			☐ ☐	
64	46	7	22:49	MR	BOT		48° 51.413	123° 10.813	182	0	- 44	1	DC	☐ ☐	POM-81
65	46	7	22:50	MR	BOT		48° 51.414	123° 10.807	182	0	- 45	1	DC	☐ ☐	HPLC + chl a
66	46	7	22:59	BE	NET		48° 51.420	123° 10.795	182		-		MM	☐ ☐	
			23:02	BO			48° 51.422	123° 10.806		172	-			☐ ☐	
			23:05	EN			48° 51.424	123° 10.802			-			☐ ☐	
67	46	7	23:19	MR	BOT		48° 51.417	123° 10.799	182	172	46-52	7	KY	☐ ☐	DK cast →
68	56	8	0:27	BE	CTD		48° 46.423	123° 1.604	215		-			☐ ☐	cast 25
			0:33	BO			48° 46.467	123° 1.563		205	-			☐ ☐	current - high wire angle
			0:36	EN			48° 46.539	123° 1.511			-			☐ ☐	
69	56	8	0:29	MR	BOT		48° 46.429	123° 1.607	215	0	- 53	1	DC	☐ ☐	HPLC + chl a
			:				° .	° .			-			☐ ☐	
			:				° .	° .			-			☐ ☐	

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Saw 2 orcas SE Active pass on way to 46

RBR max depth = 165m

Anchor off Saturna ferry dock 18:00

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Page 9 of

Month March				Year 2019			Vessel Neocaligus			Cruise ID 2019-007					
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70	59	8	16:35	BE	CTD		48°37.035	123°14.976	234		-			☐ ☐	high wire angle - current
			16:42	BO			48°36.979	123°14.961		224	229 -			☐ ☐	added 5m for angle
			16:46	EN			48°36.928	123°14.959			-			☐ ☐	cast 26✓
71	59	8	16:37	MR	BOT		48°37.036	123°14.974	234	0	- 54	1	DC	☐ ☐	POM-S1
72	59	8	16:39	MR	BOT		48°37.021	123°14.969	234	0	- 55	1	MM	☐ ☐	HPLC + chl-a
73	59	8	16:51	MR	BOT		48°37.037	123°14.989	234	5	- 56	2	MM	☐ ☐	POM-FA
74	59	8	16:54	BE	NET		48°37.019	123°15.004	234		-		KY	☐ ☐	High wire angle
			16:59	BO			48°36.946	123°15.016		249	-			☐ ☐	
			17:04	EN			48°36.880	123°15.001			-			☐ ☐	
75	GI-01	8	18:19	BE	CTD		48°45.845	123°20.521	68		-		KY	☐ ☐	cast 27✓ wire angle
			18:22	BO			48°45.847	123°20.522		58	-			☐ ☐	63m wire out
			18:23	EN			48°45.846	123°20.521			-			☐ ☐	
76	GI-01	8	18:25	BE	NET		48°45.848	123°20.517	68		-		MM	☐ ☐	
			18:27	BO			48°45.844	123°20.523		63	-			☐ ☐	
			18:28	EN			48°45.839	123°20.525			-			☐ ☐	
77	SC-04	8	18:59	BE	CTD		48°43.510	123°25.892	89		-		KY	☐ ☐	cast 28✓
			19:02	BO			48°43.509	123°25.902		79	-			☐ ☐	
			19:04	EN			48°43.512	123°25.894			-			☐ ☐	
78	SC-04	8	19:01	MR	BOT		48°43.508	123°25.903		0	- 57	1	DC	☐ ☐	POM-S1

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Page 10 of

Month March Year 2019 Vessel Neocaligus Cruise ID 2019-07

Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Pressure	Max Cast Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
79	SC-04	8	19:02	MR	BOT		48° 43.509	123° 25.904	89	0	- 58	1	MM	☐ ☐	HPLC, chl a, phaeo
80	SC-04	8	19:06	BE	NET		48° 43.505	123° 25.895	89		-		KY	☐ ☐	
			19:08	BO			48° 43.508	123° 25.886		79	-			☐ ☐	
			19:09	EN			48° 43.511	123° 25.881			-			☐ ☐	
81	CBE2	8	20:01	BE	CTD		48° 44.216	123° 34.431	67		-		KY	☐ ☐	cast 29
			20:05	BO			48° 44.221	123° 34.437		57	-			☐ ☐	
			20:06	EN			48° 44.222	123° 34.433			-			☐ ☐	
82	CBE2	8	20:08	BE	NET		48° 44.220	123° 34.433	67		-		KY/MM	☐ ☐	
			20:09	BO			48° 44.217	123° 34.433		57	-			☐ ☐	
			20:10	EN			48° 44.214	123° 34.431			-			☐ ☐	END!
			:				° .	° .			-			☐ ☐	
			:				° .	° .			-			☐ ☐	
			:				° .	° .			-			☐ ☐	
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			:				° .	° .			-			☐ ☐	

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Back to LOS to unload