

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2009-38

DATE:

From:

MAY 1 /09

to:

MAY 8 /09

VESSEL:

J. P. TULLY

PROJECT(S):

TRACER RELEASE EXPERIMENT

Water Properties Group
Fisheries and Oceans Canada
Institute of Ocean Sciences
Ocean Sciences Division
Sidney, BC, Canada

WaterProperties.ca

Captain:	BILL MOOM	First Officer:	COLE-1
Second Officer:	SHANE LOVELACE	Third Officer:	DOUG MURDOCK
Fishing Master:			

Mission Participants / Agencies:

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Data logging computer: HP Compaq
Data acquisition program: V7
CTD deck unit make: 58C model: 11 serial number: 0424

Primary CTD

Make:	<u>SBC</u>	model:	<u>911</u>	serial number:	<u>506</u>
Primary temperature	serial number: <u>4883</u>				
Primary conductivity	serial number: <u>1763</u>				
Secondary temperature	serial number: <u>2095</u>				
Secondary conductivity	serial number: <u>2754</u>				
Transmissometer:	<u>wetLAB</u>	Model:	<u>1005 dn</u>	s/n:	<u>1005 dn</u>
Fluorometer: Model	<u>SEAPoint</u>	Cable gain:	<u>340.5</u>	s/n:	<u>P, S or NO pump?</u>
Oxygen sensor:	<u>SBC</u>	Model:	<u>43</u>	s/n:	<u>P, S or NO pump?</u>
PAR sensor:		Model:		s/n:	<u>P, S or NO pump?</u>
Other sensors:				s/n:	<u>P, S or NO pump?</u>
Other sensors:				s/n:	<u>P, S or NO pump?</u>
Other sensors:				s/n:	<u>P, S or NO pump?</u>
Other sensors:				s/n:	<u>P, S or NO pump?</u>

Secondary CTD

Make: _____ model: _____ serial number: _____

Primary temperature serial number: _____

Primary conductivity serial number: _____

Secondary temperature serial number: _____

Secondary conductivity serial number: _____

Transmissometer: _____ Model: _____ s/n: _____

Fluorometer: Model _____ Cable gain: _____ s/n: _____ P, S or NO pump?

Oxygen sensor: _____ Model: _____ s/n: _____ P, S or NO pump?

PAR sensor: _____ Model: _____ s/n: _____

Other sensors: _____ s/n: _____ P, S or NO pump?

Other sensors: _____ s/n: _____ P, S or NO pump?

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CTD calibration bottle location (height above CTD in metres):

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month MAY				Year 2009			Ship TULLY				Cruise ID 2009-39				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
2	S5	0210	BE	ROS		001	48° 39.22	123° 30.41	186	175	1-11	11	H.A.	✓	DIDN'T LOG DN
		0212	BO				48° 39.23	123° 30.40							CAS!
		0226	EN				48° 39.26	123° 30.31							
	S5	0240	BE	CTD		002	48° 39.21	123° 30.38	186	175					
		0242	BO				48° 39.21	123° 30.38							
		0245	EN				48° 39.21	123° 30.38							
2	S10	1311	BE	ROS		003	48° 37.85	123° 14.76	223		12-22	11	H.A.	✓	
		1317	BO				48° 37.87	123° 14.77		217					
		1332	EN				48° 37.92	123° 14.96							
2	SAANICH	1340	BE	MVP		004									
3		1527	EN				48° 39.44	123° 30.44							
3	S5	1631	BE	ROS		005	48° 39.26	123° 30.35	187		23-44	22	H.A.	✓	O2 AUP BOTTLES
		1635	BO				48° 39.26	123° 30.36		179					
		1649	EN				48° 39.27	123° 30.39							

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

Month MAY				Year 2009				Ship TULLY				Cruise ID 2009-38			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
3	SAANICH	1655	BC	MVP		006	48° 39.27	123° 30.34							24 HR + Tow
4		2056	EN												
4	SS	2120	BC	ROS		007	48° 39.24	123° 30.36	188		45-55	11	H.M.	✓	
		2124	BO				48° 39.24	123° 30.35		179					
		2136	EN				48° 39.24	123° 30.35							
	SAANICH		BC	MVP		008	48° 39.24	123° 30.35							24 HR Tow
			EN												
5	SS	1740	BC	ROS		009	48° 39.24	123° 30.39	187		56-60	5	H.M./CG	✓	Tow for CATRINA
		1746	BO				48° 39.18	123° 30.35		180					
		1754	EN				48° 39.17	123° 30.29							
5	SS	1941	BC	ROS		010	48° 39.22	123° 30.32	189						
		1943	BO				48° 39.21	123° 30.31		110					
		1949	EN				48° 39.20	123° 30.27							
Cast Type: USW = Sea Water Loop Bottle Firing Method: Time Code:															

Cast Type:
BOT = Bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD
SET = Fish Set

USW = Sea Water Loop
MOR = Mooring
NET = Plankton Net Haul
DRF = Drifter

Bottle Firing Method:
US = Up / Stop
UN = Up / No stop
DN = Down / No stop

Time Code:
BE = Beginning Time of Cast
BO = Bottom Time of Cast
EN = End Time of Cast

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

Transmissometer to be cleaned before each cast, do not use Ammonia products

DAILY SCIENCE LOG

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Page _____ of _____

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Produced by the Water Properties Group, IOS

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