

DAILY LOG BOOK

MISSION
NUMBER

2004 - 019 / 028

DATE:

From: 20 July to: 15 August

VESSEL:

W.E. RICKER

PROJECT:

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

E1 → C2 → C3 → C1

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <u>July</u>				Year <u>2004</u>				Ship <u>Ruler</u>				Cruise ID <u>2004-019</u>			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
22	E1	0258	BE	CTD		0001	48 31.68	125 3.78	110	105			SR/HP		
		0302	BO				48 31.68	125 3.78							
		0304	EN				48 31.68	125 3.79							
22	E1	0320	BO	NET		0002	48 31.68	125 3.79	110	100					Bongo VNH
22	C2	0445	BE	CTD		0003	48 25.39	125 7.81	125	121					
		0449	BO				48 25.39	125 7.81							
		0451	EN				48 25.38	125 7.80							
22	C2	0502	BO	NET		0004	48 25.38	125 7.80	100	90					
22	C1	0601	BE	CTD		0005	48 28.89	125 15.26	144	140					
		0605	BO				48 28.88	125 15.25							
		0609	EN				48 28.88	125 15.26							
22	C1	0617	BO	NET		0006	48 28.88	125 15.26	141	135					

Cast type:

BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
 NET = 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 for each cast, do not use Ammonia products

28 May 2003
 Daily_log_book.doc

271374

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month 07				Year 2004			Ship RICHEN				Cruise ID 2004-09				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
22	C3	07.17	BE	CTD		0007	48°23.47	125°20.73	116	111					
		07.19	BO				48°23.44	125°20.73							
		07.22	EN				48°23.42	125°20.72							
22	C3	07.35	BO	NET		0008	48°23.42	125°20.72	110	100					
23	A2	02.35	BE	CTD		0009	48°22.71	126°3.80	340	337					
		02.42	BO				48°22.72	126°3.80							
		02.49	EN				48°22.72	126°3.83							
23	A2	03.05	BO	NET		0010	48°22.72	126°3.83	340	250					
23	A1	04.09	BE	CTD		0011	48°29.43	126°7.09	197	194					
		04.13	BO				48°29.42	126°7.08							
		04.17	EN				48°29.42	126°7.08							
23	A1	04.30	BO	NET		0012	48°29.42	126°7.08	197	185					

Cast type:

BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
NET = 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 for each cast, do not use Ammonia products

B8 > B7 > B6 > B5 > B3

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month 07				Year 2004			Ship Richer			Cruise ID 2004-019					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
23	A3	0535	BE	CTD		0013	48 24.67	126 15.76	925	500					
		0545	BO				48 24.68	126 15.70							
		0554	EN				48 24.69	126 15.69							
23	A3	0609	BO	NET		0014	48 24.69	126 15.69	925	250					
23	A4	08:39	BE	CTD		0015	48°14.87	126°40.12	1900	500		1			Salinity Sample
		08:52	BO				48°14.86	126 40.15							#1 493m
		09:09	EN				48°14.87	126 40.22							
23	A4	0915	BO	NET		0016	48 14.87	126 40.22	1900	250					
24	B3/	0148	BE	CTD		0017	48 34.40	125 30.12	134	127					
	LCB3	0151	BO				48 34.37	125 30.16							
		0154	EN				48 34.35	125 30.15							
24	B3/	0205	BO	NET		0018	48 34.35	125 30.19	121	110					
	LCB3														

Cast type:

BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop
 MOR = mooring
 NET = 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 for each cast, do not use Ammonia products

28 May 2003
 Daily_log_book.doc

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

DALEY LOG															
Month 7 V				Year 2004 100E			Ship RICKER				Cruise ID 2004-019 100E-019				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
24	B71	0250	BE	CTD		0019	48 31.97	125 35.62	75	70					
	LCB4	0252	BO				48 31.97	125 35.61							
		0254	EN				48 31.97	125 35.62							
24	B71	0300	BO	NET		0020	48 31.97	125 35.62	75	65					
	LCB4														
24	B61	05.18	BE	CTD		0021	48.36.43	125.54.00	85	80					
	LC6	05.18	BO				48.36.43	125.53.98							
		05.20	EN				48.36.43	125.53.96							
24	B61	0530	BO	NET		0022	48.36.43	125.53.96	85	75					
	LC6														
24	B5	06.20	BE	CTD		0023	48.40.64	125.46.16	92	87					
		06.23	BO				48.40.64	125.46.15							
		06.25	EN				48.40.63	125.46.17							
24	B5	0633	BO	NET		0024	48 40.63	125 46.17	82	72					

Cast type:

BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD

USW = sea water loop
MOR = mooring
NET = 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 for each cast, do not use Ammonia products

28 May 2003

Daily_log_book.doc

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <i>July</i>				Year <i>2004</i>				Ship <i>Richer</i>				Cruise ID <i>2004-019</i>			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
<i>24</i>	<i>B3</i>	<i>07:54</i>	<i>BE</i>	<i>CTD</i>		<i>0025</i>	<i>48°51.11</i>	<i>125°39.16</i>	<i>46</i>	<i>41</i>					
		<i>07:57</i>	<i>BO</i>				<i>48°51.12</i>	<i>125°39.18</i>							
		<i>07:58</i>	<i>EN</i>				<i>48°51.13</i>	<i>125°39.19</i>							
<i>24</i>	<i>B3</i>	<i>0805</i>	<i>BO</i>	<i>NET</i>		<i>0026</i>	<i>48°51.13</i>	<i>125°39.19</i>	<i>45</i>	<i>35</i>					
<i>31</i>	<i>11</i>	<i>1546</i>	<i>BE</i>	<i>CTD</i>		<i>0027</i>	<i>50°23.80</i>	<i>127°29.12</i>	<i>105</i>	<i>101</i>					<i>Darlo's CTD</i>
		<i>1551</i>	<i>BO</i>				<i>50°23.81</i>	<i>127°29.14</i>							
		<i>1554</i>	<i>EN</i>				<i>50°23.81</i>	<i>127°29.15</i>							
<i>31</i>	<i>11</i>	<i>16:00</i>	<i>BO</i>	<i>NET</i>		<i>0028</i>	<i>50°23.81</i>	<i>127°29.15</i>	<i>103</i>	<i>95</i>					<i>Darlo's Bongo</i>
<i>1</i>	<i>CPE2</i>	<i>0501</i>	<i>BE</i>	<i>CTD</i>		<i>0029</i>	<i>50°43.00</i>	<i>128°39.83</i>	<i>120</i>	<i>115</i>					<i>Seasame says its</i>
		<i>0504</i>	<i>BO</i>				<i>50°43.00</i>	<i>128°39.86</i>							<i>Feb 2004!</i>
		<i>0507</i>	<i>EN</i>				<i>50°43.00</i>	<i>128°39.85</i>							
<i>1</i>	<i>CPE2</i>	<i>0520</i>		<i>NET</i>		<i>0030</i>	<i>50°43.00</i>	<i>128°39.85</i>	<i>120</i>	<i>110</i>					

Cast type:

BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
 NET = 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 for each cast, do not use Ammonia products

28 May 2003

Daily_log_book.doc

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

DAILY LOG																
Month August				Year 2004				Ship WE R/Vs				Cruise ID 2004-019				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments	
							Latitude	Longitude								
1	LQ03	1403	BE	CTD		0031	50 39.81	129 02.18	~1300	501		1			Salinity at 498m	
		1415	BO				50 39.77	129 02.46								
		1427	EN				50 39.82	129 02.65								
1	LQ03	1440	BO	NET		0032	50 39.82	129 02.65	~1500	250						
1	J122	16.24	BE	CTD		0033	50 39.80	129 17.69	~1700	500						
		16.35	BO				50 39.90	129 17.90								
		16.45	EN				50 39.98	129 18.06								
1	J122	16.55	BO	NET		0034	50 39.98	129 18.06	~1700	250						
1	CS3B	19.51	BE	CTD		0035	51 0.02	129 27.06	212	208						
		19.54	BO				51 0.03	129 27.07								
		19.58	EN				51 0.03	129 27.09								
1	CS3B	20.10	BO	NET		0036	51 0 03	129 27.09	212	215						

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <u>Aug</u>				Year <u>2004</u>				Ship <u>Rider</u>				Cruise ID <u>2004-019</u>			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
2	CS2B	0036	BE	CTD		0037	50 56.03	129 0.03	53	55					
	CS5	0038	BO				50 56.02	129 0.13							
		0040	EN				50 56.01	129 0.16							
2	CS2B	0050	BO	NET		0038	50 56.01	129 0.16	59	50					
	CS5														
2	CS1B	0252	BE	CTD		0039	50 53.01	128 39.97	67	63					
		0254	BO				50 52.99	128 39.95							
		0256	EN				50 52.99	128 39.94							
2	CS1B	0306	BO	NET		0040	50 52.95	128 39.94	70	60					
2	CPE1	2149	BE	CTD		0041	50 59.98	127 49.95	143	140					
		2153	BO				50 59.97	127 49.98							
		2156	EN				50 59.96	127 49.96							
2	CPE1	2205	BO	NET		0042	50 59.96	127 49.96	145	135					

Cast type:
 BOT = bottle cast, no CTD
 CTD = CTD without Rosette
 ROS = Rosette plus CTD

USW = sea water loop
 MOR = mooring
 NET = 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 for each cast, do not use Ammonia products

28 May 2003
 Daily_log_book.doc