

<b>Station: 1</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 03/11/18</b>
<b>Time Start Logging HST: 15:30</b>	<b>Time Start Logging GMT:</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 01:30</b>
<b>End:</b>	<b>Out water: 02:37:58</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21 21.153</b>	<b>Start: 158 17.498</b>
<b>End:</b>	<b>End:</b>
<b>Max Press:</b>	<b>Operators:</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	1000	1:48:17	1000.092	✓	
2	800	1:54:52	800.23	✓	
3	770	1:56:38	770.81	✓	
4	700	1:59:29	700.638	✓	
5	600	2:02:58	599.749	✓	
6	500	2:06:48	499.438	✓	
7	400	2:10:22	399.555	✓	
8	300	2:13:48	299.808	✓	
9	200	2:17:14	200.154	✓	
10	175	2:20:05	176.965	✓	
11	150	2:22:02	149.535	✓	
12	125	2:25:10	125.663	✓	
13	100	2:26:58	100.459	✓	
14	75	2:28:33	74.598	✓	
15	45	2:30:20	44.797	✓	
16	25	2:31:48	24.879	✓	
17	5	2:35:52	5.52	✓	
18	5	2:35:58	5.52	✓	
19	5	2:36:02	5.52	✓	
20	5	2:36:05	5.52	✓	
21	5	2:36:10	5.52	✓	
22	5	2:36:15	5.52	✓	
23	5	2:36:22	5.52	✓	
24	5	2:36:34	5.52	✓	

<b>Station: 2</b>	<b>Cast: 1</b>
<b>Bottom (m): 5000</b>	<b>Date (HST): 03/13/18</b>
<b>Time Start Logging HST: 20:32:16</b>	<b>Time Start Logging GMT: 6:32:16</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 06:30:10</b>
<b>End:</b>	<b>Out water: 06:59:10</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21 49.986</b>	<b>Start: 156 08.242</b>
<b>End: 21 49.824</b>	<b>End: 156 08.004</b>
<b>Max Press: 400db</b>	<b>Operators: Kaarel</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor file name: FK180310 – CTD002_20180314.hex DCM @ 98m
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	20:50	199.5	✓	
2	200	20:51	198.0	✓	
3	DCM	20:55	98	✓	
4	DCM	20:56	98	✓	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station #           2            
 Cast #           1            
 Operator(s):   AR/TC/SP  

Date:   3/13/2018   (HST)  
 Time:       2032       (HST)

Rosette Position	Desired Depth	DeLong							
1	<b>200</b>	X							
2	<b>200</b>	X							
3	<b>DCM</b>	X							
4	<b>DCM</b>	X							
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 98m**

<b>Station3</b>	<b>Cast: 1</b>
<b>Bottom (m): 4500</b>	<b>Date (HST): 03/14/18</b>
<b>Time Start Logging HST: 05:37</b>	<b>Time Start Logging GMT: 15:37</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 15:35:01</b>
<b>End:</b>	<b>Out water: 16:33</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 43.199</b>	<b>Start: 156 14.411</b>
<b>End: 22 43.080</b>	<b>End: 156 14.494</b>
<b>Max Press: 400db</b>	<b>Operators:Viet</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor file name: FK180310 – CTD003_20180314.hex
	DCM @ 105m
<b>Owned by:</b>	
SOI	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	200	16:05	200	✓	
2	175	16:08	175.5	✓	
3	150	16:10	150.5	✓	
4	125	16:13	124.5	✓	Leaky Bottle
5	125	16:13	124.5	✓	
6	120	16:14	120	✓	
7	115	16:16	115	✓	
8	110	16:17	110.5	✓	
9	105-DCM	16:18	105	✓	DCM
10	105-DCM	16:18	104	✓	DCM
11	100	16:19	100	✓	
12	95	16:20	95	✓	
13	90	16:21	89.8	✓	
14	75	16:24	75	✓	
15	25	16:29	25.6	✓	
16	5	16:32	5	✓	
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station #                   3                    
 Cast #                   1                    
 Operator(s):   AR, TC, ES, TB, RT  

Date:           3/13/2018           (HST)  
 Time:           0535           (HST)

Rosette Position	Desired Depth	Oxygen	Temp	DeLong DNA	ESP	Chl a			
1	200	121	18.1	X		1(1)			
2	175	122	19.0	X		2(2)			
3	150	123	19.9	X		3(3)			
4	125	124	20.9			4(4)			
5	125			X					
6	120			X					
7	115			X					
8	110			X					
9	105-DCM			X	X				
10	105-DCM			X	X				
11	100	125	21.9	X		11(5)			
12	95			X					
13	90			X					
14	75	126	22.5	X		14(6)			
15	25	127	22.9	X		15(7)			
16	5	128	22.9	X		16(8)			
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 105m**

<b>Station 4</b>	<b>Cast: 1</b>
<b>Bottom (m): 4685</b>	<b>Date (HST): 03/14/18</b>
<b>Time Start Logging HST: 19:45</b>	<b>Time Start Logging GMT: 5:44</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 5:42</b>
<b>End:</b>	<b>Out water: 6:25</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21 56.787</b>	<b>Start: 155 05.457</b>
<b>End: 21 56.717</b>	<b>End: 155 05.3411</b>
<b>Max Press: 400db</b>	<b>Operators: Viet</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor file name: FK180310 – CTD004_20180314.hex
	DCM @ 108m
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	6:03	200	✓	
2	175	6:05	176.0	✓	
3	150	6:08	150.1	✓	
4	125	6:09	125.1	✓	
5	125	6:09	125.8	✓	
6	123	6:10	123.5	✓	
7	118	6:11	118.9	✓	
8	113	6:12	113.5	✓	
9	108-DCM	6:13	109.5	✓	DCM
10	108-DCM	6:13	108.5	✓	DCM
11	103	6:14	104	✓	
12	100	6:15	100.4	✓	
13	98	6:16	98.4	✓	
14	93	6:18	93.2	✓	
15	-	-			Miss Trip
16	75	6:19	76.5	✓	
17	25	6:22	25	✓	
18	5	6:23	4.7	✓	
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station #           4            
 Cast #           1            
 Operator(s):   SOI, AR, TC  

Date:   3/14/2018   (HST)  
 Time:   19:45     (HST)

Rosette Position	Desired Depth	Oxygen	Temp	DeLong DNA	ESP	Chl a			
1	200	129	18.0	X		1(1)			
2	175	130	19.4	X		2(2)			
3	150	131	20.5	X		3(3)			
4	125	132	21.5	X		4(4)			
5	125								
6	123			X					
7	118			X					
8	113			X					
9	108-DCM			X	X				
10	108-DCM								
11	103			X					
12	100	133	22.7	X		12(5)			
13	98			X					
14	93			X					
15	-	-	-	-	-	-			
16	75	134	22.8	X		16(6)			
17	25	135	23.2	X		17(7)			
18	5	136	23.2	X		18(8)			
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 108m**



# FALKOR Leg II

## FK180310

### Station Data Sheet

Station #           5            
 Cast #           1            
 Operator(s):           SP          

Date:           03/15/2018           (HST)  
 Time:           01:45           (HST)

Rosette Position	Desired Depth								
1		No bottles fired							
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**  
**DCM Depth:**

<b>Station: 6</b>	<b>Cast: 1</b>
<b>Bottom (m): 5279</b>	<b>Date (HST): 3/15/2018</b>
<b>Time Start Logging HST: 13:06</b>	<b>Time Start Logging GMT: 23:06</b>
<b>Pressure on deck Start: - End: -</b>	<b>Time GMT In water: 23:03 Out water: 23:50</b>
<b>Latitude N Start: 21° 51.3463 End: 21° 51.4704</b>	<b>Longitude W Start: 156° 01.7793 End: 156° 01.5530</b>
<b>Max Press: 400m</b>	<b>Operators: Kaarl SOI</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor Filename: FK180310_CTD006_20180315.hex
	DCM @ 93m
	Hand written log has In/Out of Water recorded in HST
<b>Owned by: SOI</b>	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	200	23:24	200.4	<input type="checkbox"/>	
2	200	23:24	200.2	<input type="checkbox"/>	
3	175	23:26	175.6	<input type="checkbox"/>	
4	175	23:26	174.8	<input type="checkbox"/>	
5	150	23:28	150.6	<input type="checkbox"/>	
6	125	23:30	125.8	<input type="checkbox"/>	
7	108	23:34	108.4	<input type="checkbox"/>	
8	103	23:35	103.8	<input type="checkbox"/>	
9	100	23:36	100.1	<input type="checkbox"/>	
10	98	23:37	98.6	<input type="checkbox"/>	
11	93	23:39	93.8	<input type="checkbox"/>	DCM Temp: 20.12°C
12	88	23:40	89.2	<input type="checkbox"/>	
13	83	23:42	83.7	<input type="checkbox"/>	
14	78	23:43	78.1	<input type="checkbox"/>	
15	75	23:44	75.6	<input type="checkbox"/>	
16	25	23:47	25.2	<input type="checkbox"/>	
17	5	23:49	5.4	<input type="checkbox"/>	
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station #           6            
 Cast #           1            
 Operator(s):   SOI, AR  

Date:   3/15/2018   (HST)  
 Time:   13:03     (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	200	X	X						
2	200	X	X						
3	175								
4	175	X							
5	150	X							
6	125	X							
7	108	X							
8	103	X							
9	100	X							
10	98	X							
11	93	X	X						
12	88	X							
13	83	X							
14	78	X							
15	75	X							
16	25	X							
17	5	X							
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 93m, DCM 5m High-Res from 103m-78m**

<b>Station: 7</b>	<b>Cast: 1</b>
<b>Bottom (m): 5243</b>	<b>Date (HST): 3/16/18</b>
<b>Time Start Logging HST: 06:20</b>	<b>Time Start Logging GMT: 16:19</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 16:18</b>
<b>End: -</b>	<b>Out water: 16:53</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21° 51.0349'</b>	<b>Start: 156° 02.0434'</b>
<b>End: 21° 51.5955'</b>	<b>End: 156° 02.2299°</b>
<b>Max Press: 400db</b>	<b>Operators: SOI/AR/TC</b>

<b>CTD</b>	<b>Comments:</b>
	DCM @100m w/ broad peak Falkor Filename: FK180310_CTD007_20180316.hex
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	16:41	249	<input type="checkbox"/>	
2	DCM	16:47	99.1	<input type="checkbox"/>	DCM @ 100m; Temp:20.0°C
3	50	16:49	49.7	<input type="checkbox"/>	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 7  
 Cast # 1  
 Operator(s): SOI, AR, TC

Date: 3/16/2018 (HST)  
 Time: 6:19 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	<b>250</b>	X							
2	<b>DCM</b>	X	X						
3	<b>50</b>	X							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 100m**

<b>Station: 8</b>	<b>Cast: 1</b>
<b>Bottom (m): 400</b>	<b>Date (HST): 3/16/18</b>
<b>Time Start Logging HST: 12:09</b>	<b>Time Start Logging GMT: 22:09</b>
<b>Pressure on deck Start: - End: -</b>	<b>Time GMT In water: 22:07 Out water:</b>
<b>Latitude N Start: 21° 53.892 End:</b>	<b>Longitude W Start: 156° 00.482 End:</b>
<b>Max Press: 404.157</b>	<b>Operators: SOI, TB</b>

<b>CTD</b>	<b>Comments:</b>
	DCM @ 92m
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time (GMT) Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22:29	251.57	✓	
2	107	22:36	106.56	✓	
3	102	22:37	102.762	✓	
4	97	22:39	97.382	✓	
5	92	22:40	92.281	✓	
6	87	22:42	87.529	✓	
7	82	22:43	82.328	✓	
8	77	22:44	77.051	✓	
9	50	22:46	50.114	✓	
10	15	22:49	14.629	✓	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 8  
 Cast # 1  
 Operator(s): SOI TC AR TB ES

Date: 3/16/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	DeLong DNA (AR)	ESP	Nuts	FCM				
1	250	X		1	1				
2	107			2	2				
3	102			3	3				
4	97			4	4				
5	92	X		5	5				
6	87			6	6				
7	82			7	7				
8	77			8	8				
9	50	X		9	9				
10	15			10	10				
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**  
**DCM Depth: 92m**

<b>Station: 9</b>	<b>Cast: 1</b>
<b>Bottom (m): 5177</b>	<b>Date (HST): 3/16/2018</b>
<b>Time Start Logging HST: 15:03</b>	<b>Time Start Logging GMT: 01:03</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 01:01</b>
<b>End: -</b>	<b>Out water: 01:41</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21° 54.7385</b>	<b>Start: 155° 59.6647</b>
<b>End: 21° 54.7001</b>	<b>End: 155° 59.6562</b>
<b>Max Press: 400</b>	<b>Operators: SOI, TC</b>

<b>CTD</b>	<b>Comments:</b>
	FK180310_CTD009_2018037.xmlcon DCM @ 92m
<b>Owned by:</b>	
SOI	

Niskin	Target (db)	Time (GMT) Stopped	Pressure	Confirm Trip ✓	Comments
1	175	1:24	175.5	✓	
2	175	1:24	175.7	✓	
3	150	1:26	150.4	✓	
4	150	1:26	150.1	✓	
5	125	1:28	125.4	✓	
6	125	1:28	125.1	✓	
7	100	1:30	100.7	✓	
8	100	1:30	100.2	✓	
9	75	1:33	75.2	✓	
10	75	1:33	74.7	✓	
11	45	1:35	45.3	✓	
12	45	1:36	45.5	✓	
13	25	1:37	24.6	✓	
14	25	1:38	25.9	✓	
15	5	1:39	5.2	✓	
16	5	1:40	5.4	✓	
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station #           9            
 Cast #           1            
 Operator(s):   EMS RT TC TB  

Date:   3/16/2018   (HST)  
 Time:   15:00     (HST)

Rosette Position	Desired Depth	Nuts (125ml)	LLN (125ml)	LLP (500ml)	Chl a	FCM	PC/PN (4L)	PPO4 (4L)	
1	175	1	1	1	1 (1)	1			
2	175						2 (7)	2 (15)	
3	150	3	3	3	3(2)	3			
4	150						4(8)	4(16)	
5	125	5	5	5	5(3)	5			
6	125						6(9)	6(1)	
7	100	7	7	7	7(4)	7			
8	100						8(10)	8(2)	
9	75	9	9		9(5)	9			
10	75						10(11)	10(3)	
11	45	11	11		11(6)	11			
12	45						12(12)	12(4)	
13	25	13	13		13(7)	13			
14	25						14(13)	14(5)	
15	5	15	15		15(8)	15			
16	5						16(14)	16(6)	
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**

Station: 10	Cast: 1
Bottom (m): 5162	Date (HST): 3/16/2018
Time Start Logging HST: 18:22	Time Start Logging GMT: 04:22
Pressure on deck Start: - End: -	Time GMT In water: 04:20 Out water: 04:50
Latitude N Start: 21° 55.2485 End: 21° 55.4857	Longitude W Start: 155° 59.9461 End: 156° 00.2576
Max Press: 400	Operators: AR/SOI

CTD	Comments:
	Falkor File name: FK180310_CTD0010_20180317.hex  DCM @ 95m
Owned by: SOI	

Niskin	Target (db)	Time (GMT) Stopped	Pressure	Confirm Trip ✓	Comments
1	250	4:39	250.4	✓	
2	DCM	4:44	94.7	✓	DCM@ 95m Temp ~20C
3	50	4:48	49.9	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 10  
 Cast # 1  
 Operator(s): SOI / AR

Date: 3/16/2018 (HST)  
 Time: 18:22 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	250	X							
2	DCM (90)	X	X						
3	50	X							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 95m**

<b>Station: 11</b>	<b>Cast: 1</b>
<b>Bottom (m): 5143</b>	<b>Date (HST): 3/17/2018</b>
<b>Time Start Logging HST: 06:03</b>	<b>Time Start Logging GMT: 16:03</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 16:01</b>
<b>End: -</b>	<b>Out water: 16:35</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21° 55.9977</b>	<b>Start: 156° 02.1126</b>
<b>End: 21° 55.8734</b>	<b>End: 156° 02.1729</b>
<b>Max Press: 400</b>	<b>Operators: AR/SOI</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor File name: FK180310_CTD0011_20180317.hex
	DCM @ 100m
<b>Owned by:</b> SOI	

Niskin	Target (db)	Time (GMT) Stopped	Pressure	Confirm Trip ✓	Comments
1	250	16:23	250.8	✓	
2	DCM	16:29	100.4	✓	DCM@ 100m Temp ~20.0 C
3	50	16:32	49.5	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 11  
 Cast # 1  
 Operator(s): SOI / AR

Date: 3/17/2018 (HST)  
 Time: 06:03 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	250	X							
2	DCM (100)	X	X						
3	50	X							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 100m**

<b>Station: 12</b>	<b>Cast: 1</b>
<b>Bottom (m): 5139</b>	<b>Date (HST): 3/17/2018</b>
<b>Time Start Logging HST: 11:59</b>	<b>Time Start Logging GMT: 21:59</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 21:58</b>
<b>End: -</b>	<b>Out water: 22:44</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21° 56.0307</b>	<b>Start: 156° 00.8107</b>
<b>End: 21° 56.0232</b>	<b>End: 156° 00.6729</b>
<b>Max Press: 400</b>	<b>Operators: SOI/RT</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor File name: FK180310_CTD012_20180317.hex  DCM @ 95m, 20.2C
<b>Owned by:</b> SOI	

Niskin	Target (db)	Time (GMT) Stopped	Pressure	Confirm Trip ✓	Comments
1	250	22:19	250.157	✓	
2	110	22:28	110.602	✓	
3	105	22:29	105.603	✓	
4	100	22:30	100.028	✓	
5	95	22:32	95.22	✓	DCM@ 100m Temp ~20.2 C
6	90	22:33	89.885	✓	
7	85	22:34	85.033	✓	
8	80	22:37	80.131	✓	
9	50	22:40	50.14	✓	
10	15	22:43	15.069	✓	
11	15	22:43	15.058	✓	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 12  
 Cast # 1  
 Operator(s): SOI / RT

Date: 3/17/2018 (HST)  
 Time: 11:59 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP	Nuts	FCM				
1	250	X		X	X				
2	110			X	X				
3	105			X	X				
4	100			X	X				
5	95	X	X	X	X				
6	90			X	X				
7	85			X	X				
8	80			X	X				
9	50	X		X	X				
10	15			X	X				
11	15								
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 95m**

<b>Station: 13</b>	<b>Cast: 1</b>
<b>Bottom (m): 5055</b>	<b>Date (HST): 3/17/2018</b>
<b>Time Start Logging HST: 17:59</b>	<b>Time Start Logging GMT: 3:59</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 3:57</b>
<b>End: -</b>	<b>Out water: 4:31</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21° 57.9267</b>	<b>Start: 155° 59.0267</b>
<b>End: 21° 58.0</b>	<b>End: 155° 59.0</b>
<b>Max Press: 402</b>	<b>Operators: AR/SOI</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor File name: FK180310_CTD0013_20180318.hex
	DCM @ 87m
<b>Owned by:</b> SOI	

Niskin	Target (db)	Time (GMT) Stopped	Pressure	Confirm Trip ✓	Comments
1	250	04:15	250.0	✓	
2	DCM	04:24	87.4	✓	DCM@ 87m Temp ~20.18 C
3	50	04:26	50.6	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 13  
 Cast # 1  
 Operator(s): SOI / AR

Date: 3/17/2018 (HST)  
 Time: 1800 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	250	X							
2	DCM (87)	X	X						
3	50	X							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 87m**

<b>Station: 14</b>	<b>Cast: 1</b>
<b>Bottom (m): 4915</b>	<b>Date (HST): 3/18/2018</b>
<b>Time Start Logging HST: 06:06</b>	<b>Time Start Logging GMT: 16:06</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 16:06</b>
<b>End: -</b>	<b>Out water: 16:41</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22° 03.3118</b>	<b>Start: 156° 03.5749</b>
<b>End: 22° 503.0911</b>	<b>End: 156° 03.8028</b>
<b>Max Press: 420</b>	<b>Operators: AR/SOI</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor File name: FK180310_CTD0014_20180318.hex
	DCM @ 95m
<b>Owned by:</b> SOI	

Niskin	Target (db)	Time (GMT) Stopped	Pressure	Confirm Trip ✓	Comments
1	250	16:28	250.2	✓	
2	DCM	16:34	95.0	✓	DCM@ 95m Temp ~20.06 C
3	50	16:37	49.8	✓	
4	50	16:37	49.5	✓	
5	50	16:38	49.9	✓	
6	50	16:38	49.7	✓	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 14  
 Cast # 1  
 Operator(s): SOI / AR

Date: 3/18/2018 (HST)  
 Time: 0600 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	250	X							
2	DCM (95)	X	X						
3	50	X							
4	50	X							
5	50	X							
6	50	X							
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 95m**

<b>Station: 15</b>	<b>Cast: 1</b>
<b>Bottom (m): 4960</b>	<b>Date (HST): 3/18/2018</b>
<b>Time Start Logging HST: 11:55</b>	<b>Time Start Logging GMT: 21:55</b>
<b>Pressure on deck Start: - End: -</b>	<b>Time GMT In water: 21:55 Out water: 22:47</b>
<b>Latitude N Start: 22° 02.2728 End: 22° 02.0</b>	<b>Longitude W Start: 156° 06.0749 End: 156° 06.0</b>
<b>Max Press: 400</b>	<b>Operators: SOI/SCOPE Ops</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor File name: FK180310_CTD015_20180317.hex  DCM @ 93m
<b>Owned by: SOI</b>	

Niskin	Target (db)	Time (GMT) Stopped	Pressure	Confirm Trip ✓	Comments
1	250	22:18	251.28	✓	
2	108	22:24	108.123	✓	
3	103	22:27	103.25	✓	
4	98	22:29	98.024	✓	
5	93	22:30	93.555	✓	DCM@ 93m
6	88	22:32	88.106	✓	
7	83	22:33	83.26	✓	
8	78	22:34	78.62	✓	
9	50	22:43	50.483	✓	
10	15	22:46	14.40	✓	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 15  
 Cast # 1  
 Operator(s): SOI / SCOPE Ops

Date: 3/18/2018 (HST)  
 Time: 11:55 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP	Nuts	FCM				
1	250	X		X	X				
2	108			X	X				
3	103			X	X				
4	98			X	X				
5	93	X	X	X	X				
6	88			X	X				
7	83			X	X				
8	78			X	X				
9	50	X		X	X				
10	15			X	X				
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes: DCM @ 93m**

Station: 16	Cast: 1
Bottom (m): 4853	Date (HST): 3/18/2018
Time Start Logging HST: 18:04	Time Start Logging GMT: 04:04
Pressure on deck Start: - End: -	Time GMT In water: 04:02 Out water: 04:03
Latitude N Start: 22° 02.4098' End: 22° 02.0636'	Longitude W Start: 156° 07.0332' End: 156° 06.7444'
Max Press: 400.9	Operators: SOI, AR

CTD	Comments:
	Falkor filename: FK180310_CTD016_20180319.hex  DCM @ 100m
Owned by: SOI	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	250	-	251.12	✓	Missed Trip
2	DCM 100	04:28	100.3	✓	Temp ~20.07°C
3	50	04:31	49.7	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 16  
 Cast # 1  
 Operator(s): SOI / AR

Date: 3/18/2018 (HST)  
 Time: 18:04 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	<b>250</b>	X							
2	<b>DCM 100</b>	X	X						
3	<b>50</b>	X							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

Notes:

Station: 17	Cast: 1
Bottom (m): 4899	Date (HST): 3/19/2018
Time Start Logging HST: 06:04	Time Start Logging GMT: 16:04
Pressure on deck Start: - End: -	Time GMT In water: 16:02 Out water: 16:38
Latitude N Start: 22° 05.3193' End: 22° 05.21'	Longitude W Start: 156° 09.908' End: 156° 10.15'
Max Press: 397.6	Operators: SOI, AR

CTD	Comments:
	Falkor filename: FK180310_CTD017_20180319.hex  DCM @ 112 w/ 20.07°C Broad DCM w/ dual peak at ~80m
Owned by: SOI	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	250	16:27	249.8	✓	
2	DCM 112	16:32	112.2	✓	Temp @ DCM 20.07°C
3	50	16:35	50.4	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 17  
 Cast # 1  
 Operator(s): SOI / AR

Date: 3/19/2018 (HST)  
 Time: 6:04 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	250	X							
2	DCM 112	X	X						
3	50	X							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

Notes:

<b>Station: 18</b>	<b>Cast: 1</b>
<b>Bottom (m): 4917</b>	<b>Date (HST): 3/19/2018</b>
<b>Time Start Logging HST: 12:00</b>	<b>Time Start Logging GMT: 22:00</b>
<b>Pressure on deck Start: - End: -</b>	<b>Time GMT In water: 21:58 Out water: 21:54</b>
<b>Latitude N Start: 22° 04.4777 End: 22° 04.5163</b>	<b>Longitude W Start: 156° 10.6048 End: 156° 10.6012</b>
<b>Max Press: 416db</b>	<b>Operators: SOI, RT</b>

<b>CTD</b>	<b>Comments:</b>
	DCM @ 108m, Temp 20.03°C
<b>Owned by:</b> SOI	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	250	22:20	250.044	✓	
2	123	22:28	123.073	✓	
3	118	22:30	118.077	✓	
4	113	22:32	113.050	✓	
5	108	22:34	108.094	✓	
6	98	22:43	98.011	✓	Bottle 6 was supposed to be 103, did not fire first time, had to go back down and re-fire on 7
7	103	22:38	102.955	✓	
8	93	22:45	93.088	✓	
9	50	22:49	50.249	✓	
10	15	22:52	14.057	✓	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 18  
 Cast # 1  
 Operator(s): RT, TC, TB, AR

Date: 3/19/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	DeLong DNA (AR)	ESP	Nuts	FCM				
1	<b>250</b>	X		1	1				
2	<b>DCM - 15</b>			2	2				
3	<b>DCM - 10</b>			3	3				
4	<b>DCM - 5</b>			4	4				
5	<b>DCM (108)</b>	X		5	5				
6	<b>DCM + 5</b>			6	6				
7	<b>DCM + 10</b>			7	7				
8	<b>DCM + 15</b>			8	8				
9	<b>50</b>	X		9	9				
10	<b>15</b>			10	10				
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**  
**DCM Depth: 108m**

<b>Station: 19</b>	<b>Cast: 1</b>
<b>Bottom (m): 4934</b>	<b>Date (HST): 03.19.18</b>
<b>Time Start Logging HST: 15:03</b>	<b>Time Start Logging GMT: 01:03</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: NA</b>	<b>In water: 01:01</b>
<b>End: NA</b>	<b>Out water: 02:30</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 03.7496</b>	<b>Start: 156 09.7629</b>
<b>End: 22 04.0140</b>	<b>End: 156 09.8279</b>
<b>Max Press: 1001db</b>	<b>Operators: SOI, RT</b>

<b>CTD</b>	<b>Comments:</b>
	DCM shallow: 73m @ 20.77C DCM: 95m @ 20.03C  Remnants of previous DCM double peak.  Beam Attn looks questionable.
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	1000	01:33	999.924	✓	
2	800	01:38	800.039	✓	
3	770	01:42	770.285	✓	
4	700	01:46	700.449	✓	
5	600	01:50	599.999	✓	
6	500	01:53	500.078	✓	
7	400	01:57	400.061	✓	
8	300	02:03	300.169	✓	
9	200	02:07	200.010	✓	
10	175	02:11	175.079	✓	
11	150	02:13	150.084	✓	
12	125	02:16	125.086	✓	
13	100	02:18	100.278	✓	
14	75	02:20	75.031	✓	
15	45	02:23	45.099	✓	
16	25	02:27	25.037	✓	
17	5	02:29	5.012	✓	
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 19  
 Cast # 1  
 Operator(s): TB, ES, RT, TC

Date: 03.19.18 (HST)  
 Time: 15:00 (HST)

Rosette Position	Desired Depth	O2	Temp	Chl <i>a</i>					
1	1000	121	7.5						
2	800	122	7.9						
3	770	123,124,125	8.6						
4	700	126	7.9						
5	600	127	8.6						
6	500	128	9.2						
7	400	129	10.5						
8	300	130	12.5						
9	200	131	15.4	9 (1)					
10	175	132	16.8	10 (2)					
11	150	133	17.9	11 (3)					
12	125	134,135,136	19.2	12 (4)					
13	100	137	20.0	13 (5)					
14	75	138	20.6	14 (6)					
15	45	139	21.7	15 (7)					
16	25	140	22.0	16 (8)					
17	5	141	22.4	17 (9)					
18									
19									
20									
21									
22									
23									
24									

**Notes:**

**Niskin #16 possible leak at top O-ring or vent O-ring**

<b>Station: 20</b>	<b>Cast: 1</b>
<b>Bottom (m): 4928</b>	<b>Date (HST): 3/19/2018</b>
<b>Time Start Logging HST: 19:05</b>	<b>Time Start Logging GMT: 05:05</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 05:03</b>
<b>End: -</b>	<b>Out water: 05:40</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22° 04.2216</b>	<b>Start: 156° 09.9819</b>
<b>End: 22° 04.29</b>	<b>End: 156° 09.87</b>
<b>Max Press: 403db</b>	<b>Operators: SOI, AR</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor filename: FK180310_CTD020_20180320.hex  DCM @ 93, Temp 20.05°C
<b>Owned by:</b> SOI	

Niskin	Target (db)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	250	05:27	250.8	✓	
2	DCM (93)	05:35	92.9	✓	
3	50	05:37	50.4	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
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19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 20  
 Cast # 1  
 Operator(s): SOI / AR

Date: 03/19/2018 (HST)  
 Time: 19:03 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	<b>250</b>	X							
2	<b>DCM</b>	X	X						
3	<b>50</b>	X	X						
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
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20									
21									
22									
23									
24									

**Notes:**

**DCM @ 93m, Temp 20.02°C**

<b>Station: 21</b>	<b>Cast: 1</b>
<b>Bottom (m): 4895</b>	<b>Date (HST): 3/20/2018</b>
<b>Time Start Logging HST: 06:07</b>	<b>Time Start Logging GMT: 16:07</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 16:05</b>
<b>End: -</b>	<b>Out water: 16:40</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22° 05.8712</b>	<b>Start: 156° 12.1939</b>
<b>End: 22° 05.8113</b>	<b>End: 156° 12.2991</b>
<b>Max Press: 398.8</b>	<b>Operators: SOI, AR</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor Filename: FK180310_CTD021_20180320.hex
	DCM @ 97
<b>Owned by:</b>	
SOI	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	250	16:27	250.8	✓	
2	DCM 97	16:34	97.1	✓	
3	50	16:37	50.0	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 21  
 Cast # 1  
 Operator(s): SOI / AR

Date: 03/20/2018 (HST)  
 Time: 06:07 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	<b>250</b>	X							
2	<b>DCM</b>	X	X						
3	<b>50</b>	X	X						
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**

**DCM @ 97m, Temp 20.1°C**

<b>Station: 22</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST):</b>
<b>Time Start Logging HST: 12:00</b>	<b>Time Start Logging GMT: 22:00</b>
<b>Pressure on deck Start: - End: -</b>	<b>Time GMT In water: 21:55 Out water: 22:43</b>
<b>Latitude N Start: 22° 04.556 End: 22° 04.842</b>	<b>Longitude W Start: 156° 13.961 End: 156° 13.688</b>
<b>Max Press: 403.849</b>	<b>Operators: SOI, TB</b>

<b>CTD</b>	<b>Comments:</b>
	Slight double DCM at 81m and 92m, primary DCM at 92m and approx 10m thick
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22:20	250.368	✓	
2	107	22:26	107.181	✓	
3	102	22:27	102.668	✓	
4	97	22:30	97.641	✓	
5	92	22:31	92.657	✓	
6	87	22:32	88.047	✓	
7	82	22:34	83.216	✓	
8	77	22:35	77.938	✓	
9	50	22:38	50.393	✓	
10	15	22:40	15.527	✓	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 22  
 Cast # 1  
 Operator(s): SOI

Date: 03/20/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	DeLong DNA (AR)	ESP	Nuts	FCM				
1	250	X		1	1				
2	DCM - 15			2	2				
3	DCM - 10			3	3				
4	DCM - 5			4	4				
5	DCM	X		5	5				
6	DCM + 5			6	6				
7	DCM + 10			7	7				
8	DCM + 15			8	8				
9	50	X		9	9				
10	15			10	10				
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**

**DCM @ 92m, secondary peak at 81m; Niskin #6 Leaking from bottom; Nutes and FCM labels say Cast 21, should have been 22.**

Station: 23	Cast: 1
Bottom (m): 4927	Date (HST): 3/20/2018
Time Start Logging HST: 18:01	Time Start Logging GMT: 04:01
Pressure on deck Start: - End: -	Time GMT In water: 03:59 Out water: 04:46
Latitude N Start: 22° 04.156 End: 22° 04.950	Longitude W Start: 156° 12.162 End: 156° 12.150
Max Press: 401m	Operators: SOI/AR

CTD	Comments:
	Falkor filename: FK180310_CTD023_20180321.hex  DCM @ 109m 20.1°C  Winch was greased, cast slowed due to maintenance
Owned by: SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	250	04:22	250.4	✓	
2	DCM 109	04:38	109.6	✓	
3	50	04:43	52.1	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 23  
 Cast # 1  
 Operator(s): SOI / AR

Date: 3/20/2018 (HST)  
 Time: 18:01 (HST)

Rosette Position	Desired Depth	DeLong DNA	ESP						
1	<b>250</b>	X							
2	<b>DCM</b>	X	X						
3	<b>50</b>	X	X						
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**

**DCM @ 109m w/ Temp of 20.1°C**

<b>Station: 24</b>	<b>Cast: 1</b>
<b>Bottom (m): 4776</b>	<b>Date (HST): 3/21/2018</b>
<b>Time Start Logging HST: 6:02</b>	<b>Time Start Logging GMT: 16:02</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 16:02</b>
<b>End: -</b>	<b>Out water: 16:44</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22° 06.032</b>	<b>Start: 156° 12.206</b>
<b>End: 22° 06.818</b>	<b>End: 156° 12.941</b>
<b>Max Press: 401m</b>	<b>Operators: SOI/AR</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor filename: FK180310_CTD024_20180321.hex  DCM @ 109m 20.08°C
<b>Owned by:</b> SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	250	16:27	250.4	✓	
2	DCM 109	16:36	108.8	✓	
3	50	16:40	50.8	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

<b>Station: 25</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 3/21/2018</b>
<b>Time Start Logging HST: 12:00</b>	<b>Time Start Logging GMT: 22:00</b>
<b>Pressure on deck Start: - End: -</b>	<b>Time GMT In water: 21:57 Out water: 22:38</b>
<b>Latitude N Start: 22° 9.469 End: 22° 10.328</b>	<b>Longitude W Start: 156° 15.480 End: 156° 15.842</b>
<b>Max Press: 401.84</b>	<b>Operators: SOI, TB</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22:19	250.131	✓	
2	133	22:22	133.871	✓	
3	128	22:23	129.210	✓	
4	123	22:25	123.862	✓	
5	118	22:26	119.324	✓	
6	113	22:28	113.116	✓	
7	108	22:29	108.914	✓	
8	103	22:30	103.203	✓	
9	50	22:33	50.908	✓	
10	15	22:36	13.345	✓	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 25  
 Cast # 1  
 Operator(s): TB, TC, RT, ES, AR

Date: 03/21/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	DeLong DNA (AR)	ESP	Nuts	FCM				
1	<b>250</b>	X		1	1				
2	<b>DCM - 15</b>			2	2				
3	<b>DCM - 10</b>			3	3				
4	<b>DCM - 5</b>			4	4				
5	<b>DCM</b>	X		5	5				
6	<b>DCM + 5</b>			6	6				
7	<b>DCM + 10</b>			7	7				
8	<b>DCM + 15</b>			8	8				
9	<b>50</b>	X		9	9				
10	<b>15</b>			10	10				
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**  
**DCM Depth: 118m**

<b>Station: 26</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 3/21/2018</b>
<b>Time Start Logging HST: 15:11</b>	<b>Time Start Logging GMT: 01:11</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 01:09</b>
<b>End: -</b>	<b>Out water: 01:59</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22° 10.486</b>	<b>Start: 156° 16.987</b>
<b>End: 22° 10.975</b>	<b>End: 156° 17.108</b>
<b>Max Press: 400</b>	<b>Operators: SOI, RT</b>

<b>CTD</b>	<b>Comments:</b>
	Filename: FK180310_CTD026_20180322.hex  DCM @ 90m
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (db)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	01:32	175.050	✓	
2	175	01:33	175.151	✓	
3	150	01:36	150.362	✓	
4	150	01:37	150.183	✓	
5	125	01:38	125.013	✓	
6	125	01:39	125.160	✓	
7	100	01:41	100.182	✓	
8	100	01:42	99.997	✓	
9	75	01:46	75.053	✓	
10	75	01:47	75.199	✓	
11	45	01:50	44.919	✓	
12	45	01:51	44.968	✓	
13	25	01:54	24.997	✓	
14	25	01:54	24.998	✓	
15	5	01:57	4.595	✓	
16	5	01:57	5.043	✓	
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg I

## FK180310

### Station Data Sheet

Station # 26  
 Cast # 1  
 Operator(s): EMS RT TC TB

Date: 3/21/2018 (HST)  
 Time: 15:00 (HST)

Rosette Position	Desired Depth	Nuts (125ml)	LLN (125ml)	LLP (500ml)	Chl a	FCM	PC/PN (4L)	PPO4 (4L)	
1	175	1	1	1	1 (1)	1			
2	175						2 (7)	2 (15)	
3	150	3	3	3	3(2)	3			
4	150						4(8)	4(16)	
5	125	5	5	5	5(3)	5			
6	125						6(9)	6(1)	
7	100	7	7	7	7(4)	7			
8	100						8(10)	8(2)	
9	75	9	9	9	9(5)	9			
10	75						10(11)	10(3)	
11	45	11	11	11	11(6)	11			
12	45						12(12)	12(4)	
13	25	13	13	13	13(7)	13			
14	25						14(13)	14(5)	
15	5	15	15	15	15(8)	15			
16	5						16(14)	16(6)	
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**

**DCM @ 90m**

<b>Station: 27</b>	<b>Cast: 1</b>
<b>Bottom (m): 4833</b>	<b>Date (HST): 3/21/2018</b>
<b>Time Start Logging HST: 18:01</b>	<b>Time Start Logging GMT: 04:01</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: -</b>	<b>In water: 03:59</b>
<b>End: -</b>	<b>Out water: 04:41</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22° 09.446</b>	<b>Start: 156° 17.552</b>
<b>End: 22° 09.652</b>	<b>End: 156° 18.232</b>
<b>Max Press: 402.7m</b>	<b>Operators: SOI/AR</b>

<b>CTD</b>	<b>Comments:</b>
	Falkor filename: FK180310_CTD027_20180321.hex
	DCM @ 97m 20.1°C
<b>Owned by:</b> SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	250	04:23	250.4	✓	
2	DCM 97	04:32	97.8	✓	
3	50	04:36	50.7	✓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 27  
 Cast # 1  
 Operator(s): Ana C. & SIO

Date: 03/21/2018 (HST)  
 Time: 06:00 (HST)

Rosette Position	Desired Depth	Anna R							
1	250	X							
2	DCM	X							
3	50	X							
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

**Notes:**

<b>Station: 28</b>	<b>Cast: 1</b>
<b>Bottom (m): 5200</b>	<b>Date (HST):</b>
<b>Time Start Logging HST:</b>	<b>Time Start Logging GMT: 05:28</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water:</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:</b>	<b>Start:</b>
<b>End:</b>	<b>End:</b>
<b>Max Press:</b>	<b>Operators: Ana C. &amp; SOI</b>

<b>CTD</b>	<b>Comments:</b>
	Consol logsheet lost
<b>Owned by:</b> SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	125				
2	125				
3	125				
4	125				
5	110				
6	110				
7	DCM				
8	DCM				
9	85				
10	85				
11	75				
12	75				
13	55				
14	55				
15	45				
16	45				
17	25				
18	25				
19	25				
20	25				
21	15				
22	15				
23	5				
24	5				

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 28  
 Cast # 1  
 Operator(s): Ana C. & SIO

Date: 03/27/2018 (HST)  
 Time: 20:00 (HST)

Rosette Position	Desired Depth	Rosie G/ Ana C	Julie W						
1	125		X						
2	125		X						
3	125	X							
4	125	X							
5	110	X							
6	110	X							
7	DCM-97	X							
8	DCM-97	X							
9	85	X							
10	85	X							
11	75	X							
12	75	X							
13	55	X							
14	55	X							
15	45	X							
16	45	X							
17	25	X							
18	25	X							
19	25		X						
20	25		X						
21	15	X							
22	15	X							
23	5	X							
24	5	X							

**Notes:**  
**DCM Depth: 97m**

<b>Station: 29</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST):</b>
<b>Time Start Logging HST:</b>	<b>Time Start Logging GMT:</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 12:58</b>
<b>End:</b>	<b>Out water: 13:34:32</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22.6.130</b>	<b>Start: 156.20.799</b>
<b>End: 22.6.299</b>	<b>End: 156.21.037</b>
<b>Max Press:</b>	<b>Operators: JW &amp; SIO</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	13:21:12	247.7	✓	
2	250	13:21:40	250.8	✓	
3	125	13:27:55	124.163	✓	
4	125	13:28:09	124.217	✓	
5	125	13:28:25	124.844	✓	
6	125	13:28:34	123.622	✓	
7	125	13:28:49	123.170	✓	
8	125	13:28:59	124.172	✓	
9	DCM	13:30:24	110.244	✓	110m
10	DCM	13:30:40	109.766	✓	110m
11	50	13:33:40	49.980	✓	
12	50	13:33:55	50.098	✓	
13	25	13:36:52	25.041	✓	
14	25	13:37:19	25.288	✓	
15	25	13:37:38	25.038	✓	
16	25	13:37:45	25.344	✓	
17	25	13:38:07	25.977	✓	
18	25	13:38:28	25.295	✓	
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 29  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/28/2018 (HST)  
 Time: 03:00 (HST)

Rosette Position	Desired Depth	Kevin B	Julie W	Morgan Linney					
1	250			X					
2	250			X					
3	125		X						
4	125		X						
5	125		X						
6	125	X							
7	125	X							
8	125	X							
9	DCM			X					
10	DCM			X					
11	50			X					
12	50			X					
13	25		X						
14	25		X						
15	25		X						
16	25	X							
17	25	X							
18	25	X							
19									
20									
21									
22									
23									
24									

**Notes:**



# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 30  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/28/2018 (HST)  
 Time: 06:00 (HST)

Rosette Position	Desired Depth	Paul D	Kevin B	Mathilde D	Gerianne T		
1	250	X					
2	125		X				
3	DCM	X		X			
4	50	X					
5	25		X				
6	25				X		
7	15			X			
8	5			X	X		
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

**Notes:**  
**DCM Depth:**

<b>Station: 31</b>	<b>Cast: 1</b>
<b>Bottom (m): 4775</b>	<b>Date (HST): 03/28</b>
<b>Time Start Logging HST: 12:00:00</b>	<b>Time Start Logging GMT: 22:00:00</b>
<b>Pressure on deck Start: End: -0.143</b>	<b>Time GMT In water: 22:04:20 Out water: 16:58:50</b>
<b>Latitude N Start: 22.09.374 End: 22.09.353</b>	<b>Longitude W Start: 156.20.997 End: 156.20.997</b>
<b>Max Press: 401</b>	<b>Operators: PD, MD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22:22:22	2450	✓	
2	115 -DCM	22:27:40	115	✓	
3	50	22:33:15	50	✓	
4	15	22:36:15	15	✓	
5	5	22:38:15	5	✓	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 31  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/28/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	Paul D	Mathilde				
1	250	X					
2	DCM	X	X				
3	50	X					
4	15		X				
5	5		X				
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

**Notes:**  
**DCM Depth:**

<b>Station: 32</b>	<b>Cast: 1</b>
<b>Bottom (m): 4775</b>	<b>Date (HST): 03/28</b>
<b>Time Start Logging HST: 18:02:00</b>	<b>Time Start Logging GMT: 04:02:00</b>
<b>Pressure on deck Start: End: -0.143</b>	<b>Time GMT In water: 18:02:20 Out water: 18:35:00</b>
<b>Latitude N Start: 22.12.538 End: 22.12.524</b>	<b>Longitude W Start: 156.21.082 End: 156.21.09</b>
<b>Max Press: 401</b>	<b>Operators: PD, MD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	04:20:07	249.1	✓	
2	125	04:24:15	125.083	✓	
3	125	04:24:35	124.87	✓	
4	125	04:25:11	125.470	✓	
5	95	04:27:11	95.302	✓	DCM=95 m T=21.1oC
6	50	04:29:37	50.226	✓	
7	25	04:33:37	25.422	✓	
8	25	04:33:50	25.664	✓	
9	25	04:34:04	25.133	✓	
10	25	04:34:25	25.284	✓	
11	15	04:35:47	15.194	✓	
12	5	04:37:00	5.131	✓	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 32  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/28/2018 (HST)  
 Time: 18:00 (HST)

Rosette Position	Desired Depth	Paul D	Kevin B	Mathilde D	Gerianne T	Julia W	
1	250	X					
2	125		X				
3	125					X	
4	125					X	
5	DCM	X		X			
6	50	X					
7	25					X	
8	25					X	
9	25		X				
10	25				X		
11	15			X			
12	5			X	X		
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

**Notes:**  
**DCM Depth:**

<b>Station: 33</b>	<b>Cast: 1</b>
<b>Bottom (m): 4775</b>	<b>Date (HST): 03/29/18</b>
<b>Time Start Logging HST: 18:02</b>	<b>Time Start Logging GMT: 04:02</b>
<b>Pressure on deck Start: End: -0.143</b>	<b>Time GMT In water: 04:02:00 Out water: 04:43:00</b>
<b>Latitude N Start: 22.12.560 End: 22.12.560</b>	<b>Longitude W Start: 156.21.128 End: 156.21.128</b>
<b>Max Press: 401</b>	<b>Operators: Veit</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	225	12:26:26	224	✓	
2	200	12:29:05	982	✓	
3	175	12:31:22	200.502	✓	
4	150	12:33:07	175.138	✓	
5	125	12:34:59	125.00	✓	
6	125	12:35:24	125.180	✓	
7	125	12:35:45	124.576	✓	
8	125	12:36:09	124.820	✓	
9	100	12:37:54	100.173	✓	
10	100	12:38:22	100.318	✓	
11	100	12:38:55	100.129	✓	
12	100	12:39:35	99.935	✓	
13	75	12:41:42	75.100	✓	
14	75	12:42:06	75.008	✓	
15	75	12:42:22	75.243	✓	
16	45	12:44:59	44.926	✓	
17	45	12:45:15	45.023	✓	
18	45	12:45:32	44.638	✓	
19	25	12:48:42	25.189	✓	
20	25	12:48:50	25.382	✓	
21	25	12:49:06	25.188	✓	
22	5	12:51:52	5.065	✓	
23	5	12:52:05	5.060	✓	
24	5	12:52:35	5.007	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 33  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/29/2018 (HST)  
 Time: 00:00 (HST)

Rosette Position	Desired Depth	Sam W/	Rosie G	Gerianne T	Tristy VM/ Emma W		
1	225			X	X		
2	200			X	X		
3	175			X	X		
4	150			X	X		
5	125			X	X		
6	125	X					
7	125	X					
8	125	X	X				
9	100			X	X		
10	100	X					
11	100	X					
12	100	X	X				
13	75	X					
14	75	X					
15	75	X	X				
16	45	X					
17	45	X					
18	45	X	X				
19	25	X					
20	25	X					
21	25	X	X				
22	5	X					
23	5	X					
24	5	X	X				

**Notes:**  
**DCM Depth:**

<b>Station: 34</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST):</b>
<b>Time Start Logging HST: 06.23.05</b>	<b>Time Start Logging GMT:16.23.05</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 16.23.5</b>
<b>End:</b>	<b>Out water: 17.04.36</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22.15.464</b>	<b>Start:156.22.943</b>
<b>End: 22.15.448</b>	<b>End: 156.22.864</b>
<b>Max Press:</b>	<b>Operators:Veit</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	16.44.45	250.237	✓	
2	125	16.49.55	125.901	✓	
3	DCM	16.50.56	120.831	✓	120
4	DCM	16.51.05	120.930	✓	120
5	100	16.52.45	100.181	✓	
6	100	16.52.55	100.280	✓	
7	75	16.54.23	75.221	✓	
8	75	16.54.36	75.847	✓	
9	50	16.56.09	50.598	✓	
10	25	16.58.20	25.157	✓	
11	25	16.58.30	25.691	✓	
12	15	17.00.18	15.166	✓	
13	15	17.00.31	15.881	✓	
14	15	17.00.43	15.455	✓	
15	15	17.00.59	15.923	✓	
16	5	17.02.40	5.555	✓	
17	5	17.02.48	5.731	✓	
18	5	17.02.56	5.920	✓	
19	5	17.03.15	5.798	✓	
20	5	17.03.08	5.896	✓	
21					
22					
23					
24					



# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 35  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/29/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	Paul D	Ana C	Mathilde D	Julia W		
1	250	X					
2	100		X				
3	100		X				
4	DCM		X				
5	DCM		X				
6	DCM	X					
7	75		X				
8	75		X				
9	50	X					
10	25						
11	15				X		
12	15				X		
13	15			X			
14	5		X	X			
15	5		X				
16							
17							
18							
19							
20							
21							
22							
23							
24							

**Notes:**  
**DCM Depth:**

<b>Station: 36</b>	<b>Cast: 1</b>
<b>Bottom (m): 4600</b>	<b>Date (HST): 03/29/18</b>
<b>Time Start Logging HST: 03:01:56</b>	<b>Time Start Logging GMT: 01:01:56</b>
<b>Pressure on deck Start: End: -0.143</b>	<b>Time GMT In water: 01:01:56 Out water: 01:38:56</b>
<b>Latitude N Start: 22o21.257 End: 22o21.195</b>	<b>Longitude W Start: 156o32.426 End: 156o32.370</b>
<b>Max Press: 401</b>	<b>Operators: Kaarl</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	01:20:00	175.1	✓	
2	175	01:20:00	175.1	✓	
3	150	01:21:00	150.364	✓	
4	150	01:21:00	150.555	✓	
5	125	01:23:00	125.005	✓	
6	125	01:23:00	125.079	✓	
7	100	01:25:00	100.459	✓	
8	100	01:26:00	100.122	✓	
9	100	01:26:00	100.409	✓	
10	100	01:26:00	100.697	✓	
11	75	01:29:00	75.262	✓	
12	75	01:29:00	75.022	✓	
13	75	01:30:00		✓	
14	75	01:30:00		✓	
15	45	01:32:00		✓	
16	45	01:32:00			
17	25	01:34:00			
18	25	01:34:00			
19	15	01:36:00			
20	5	01:36:00			
21	5	01:36:00			
22	5	01:36:00			
23	5	01:37:00			
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 36  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/29/2018 (HST)  
 Time: 15:00 (HST)

Rosette Position	Desired Depth	Ana C	Nuts 125mL	LLN 125mL	LLP 500mL	Chl	FCM	PC/PN 4L	PPO4 4L	O2 (QC)
1	175		1	1	1	1 (1)	1			
2	175							2 (7)	2 (15)	
3	150		3	3	3	3 (2)	3			
4	150							4 (8)	4 (16)	
5	125		5	5	5	5 (3)	5			
6	125							6 (9)	6 (1)	
7	100	X								
8	100	X								
9	100		9	9	9	9 (4)	9			
10	100							10 (10)	10 (2)	
11	75		11	11	11	11 (5)	11			
12	75							12 (11)	12 (3)	
13	75	X								
14	75	X								
15	45		15	15	15	15 (6)	15			
16	45							16 (12)	16 (4)	
17	25		17	17	17	17 (7)	17			
18	25							18 (13)	18 (5)	
19	5		19	19	19	19 (8)	19			
20	5							20 (14)	20 (6)	
21	5									X
22	5	X								
23	5	X								
24										

**NOTES:**

<b>Station: 37</b>	<b>Cast: 1</b>
<b>Bottom (m): 4674.9</b>	<b>Date (HST): 03/29/18</b>
<b>Time Start Logging HST: 18:01:00</b>	<b>Time Start Logging GMT: 04:01:00</b>
<b>Pressure on deck Start: End: -0.143</b>	<b>Time GMT In water: 04:00:00 Out water: 04:39:33</b>
<b>Latitude N Start: 22o21.9910 End: 22o21.9910</b>	<b>Longitude W Start: 156o34.2274 End: 156o34.2274</b>
<b>Max Press: 401</b>	<b>Operators: Kaarl</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	04:20:20	250.093	✓	
2	125	04:24:15	125.141	✓	
3	100	04:27:25	100.551	✓	
4	100	04:27:37	100.846	✓	
5	98	04:28:51	98.063	✓	DCM
6	98	04:29:20	98.019	✓	DCM
7	98	04:29:20	98.021	✓	DCM
8	75	04:31:20	75.033	✓	
9	75	04:31:20	75.035	✓	
10	50	04:33:20	50.392	✓	
11	25	04:35:20	25.015	✓	
12	25	04:35:20	25.068	✓	
13	15	04:37:20	15.100	✓	
14	5	04:38:20	5.389	✓	
15	5	04:39:20	5.007	✓	
16	5	04:39:20	5.060	✓	
17					
18					
19					
20					
21					
22					
23					
24					









<b>Station: 40</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 03/30/18</b>
<b>Time Start Logging HST: 12:01:49</b>	<b>Time Start Logging GMT: 22:01:49</b>
<b>Pressure on deck Start: End: -0.143</b>	<b>Time GMT In water: 12:01:49 Out water: 13:01:49</b>
<b>Latitude N Start: 22o18.810 End: 22o18.801</b>	<b>Longitude W Start: 156o40.949 End: 156o40.938</b>
<b>Max Press:</b>	<b>Operators: GT</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	125	12:42:47	125.1	✓	
2	125	12:43:43	125.053	✓	
3	125	12:43:41	125.221	✓	
4	113	12:45:54	113.115	✓	
5	113	12:45:12	113.126	✓	
6	100	12:46:28	100.109	✓	
7	100	12:46:43	100.105	✓	
8	100	12:47:06	100.302	✓	
9	100	12:47:20	100.108	✓	
10	75	12:49:35	75.057	✓	
11	75	12:50:36	75.356	✓	
12	75	12:50:49	75.432	✓	
13	75	12:51:08	74.482	✓	
14	45	12:53:20	44.93	✓	
15	45	12:53:33	44.97	✓	
16	45	12:53:52	45.226	✓	
17	25	12:56:38	25.026	✓	
18	25	12:56:58	25.261	✓	
19	25	12:57:10	25.021	✓	
20	5	12:59:39	5.292	✓	
21	5	12:59:51	5.170	✓	
22	5	13:00:07	5.074	✓	
23	5	13:00:18	5.055	✓	
24	5	13:00:30	5.030	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 40  
 Cast # 1  
 Operator(s): GT

Date: 03/30/2018 (HST)  
 Time: 02:00 (HST)

Rosette Position	Desired Depth	Ana C	Gerianne T				
1	125		X				
2	125		X				
3	125		X				
4	113 (DCM)	X					
5	113 (DCM)	X					
6	100	X					
7	100	X	X				
8	100		X				
9	100		X				
10	75	X					
11	75	X	X				
12	75		X				
13	75		X				
14	45		X				
15	45		X				
16	45		X				
17	25		X				
18	25		X				
19	25		X				
20	5	X					
21	5	X					
22	5		X				
23	5		X				
24	5		X				

**Notes:**  
**DCM Depth:**



<b>Station: 42</b>	<b>Cast: 1</b>
<b>Bottom (m): 4541</b>	<b>Date (HST): 03/30/18</b>
<b>Time Start Logging HST: 11:59:45</b>	<b>Time Start Logging GMT: 21:59:45</b>
<b>Pressure on deck Start: End: -0.143</b>	<b>Time GMT In water: 22:00:00 Out water: 22:39:50</b>
<b>Latitude N Start: 22o22.3364 End: 22o22.2548</b>	<b>Longitude W Start: 156o46.5115 End: 156o46.2313</b>
<b>Max Press:</b>	<b>Operators: Veit, PD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22:19:50	250	✓	
2	104	22:23:50	104	✓	DCM
3	104	22:24:15	104	✓	DCM
4	104	22:24:58	104	✓	DCM
5	100	22:25:50	100	✓	
6	100	22:26:10	100	✓	
7	75	22:28:50	75	✓	
8	75	22:29:19	75	✓	
9	50	22:31:23	50	✓	
10	15	22:33:53	15	✓	
11	15	22:34:12	15	✓	
12	15	22:34:35	15	✓	
13	15	22:34:55	15	✓	
14	15	22:35:21	15	✓	
15	5	22:37:25	5	✓	
16	5	22:37:45	5	✓	
17	5	22:38:16	5	✓	
18					
19					
20					
21					
22					
23					
24					



<b>Station: 43</b>	<b>Cast: 1</b>
<b>Bottom (m): 4662.1</b>	<b>Date (HST): 03.30.18</b>
<b>Time Start Logging HST: 14:59</b>	<b>Time Start Logging GMT: 00:59</b>
<b>Pressure on deck Start: NA End: NA</b>	<b>Time GMT In water: 00:58 Out water:</b>
<b>Latitude N Start: 22° 21.784 End:</b>	<b>Longitude W Start: 156° 45.406 End:</b>
<b>Max Press: 1000db</b>	<b>Operators: SOI, TB, TC</b>

<b>CTD</b>	<b>Comments:</b>
	DCM : 104 db
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	770	01:31	769.488	✓	
2	700	01:33	699.667	✓	
3	600	01:36	600.127	✓	
4	500	01:40	500.316	✓	
5	400	01:43	400.469	✓	
6	300	01:46	300.180	✓	
7	200	01:52	200.344	✓	
8	175	01:54	175.095	✓	
9	150	01:56	150.184	✓	
10	125	01:59	125.147	✓	
11	104	02:02	104.487	✓	
12	104	02:02	104.010	✓	
13	100	02:03	100.757	✓	
14	100	02:03	100.716	✓	
15	100	02:04	100.986	✓	
16	75	02:07	75.163	✓	
17	75	02:07	75.023	✓	
18	75	02:07	75.072	✓	
19	45	02:10	45.456	✓	
20	25	02:12	25.025	✓	
21	5	02:14	5.532	✓	
22	5	02:14	5.106	✓	
23	5	02:15	5.296	✓	
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 43  
 Cast # 1  
 Operator(s): SOI, TB, TC

Date: 03/30/2018 (HST)  
 Time: 1500:00 (HST)

Rosette Position	Desired Depth	Ana C	Temp	Oxygen	Chl a		
1	770		9.9	121,122,123			
2	700		9.2	124			
3	600		9.7	125			
4	500		10.7	126			
5	400		12.1	127			
6	300		14.1	128			
7	200		16.7	129			
8	175		17.9	130	8 (1)		
9	150		19.4	131	9 (2)		
10	125		20.8	132,133,134	10 (3)		
11	104 (DCM)	X					
12	104 (DCM)	X					
13	100		21.8	135	13 (4)		
14	100	X					
15	100	X					
16	75		22.8	136	16 (5)		
17	75	X					
18	75	X					
19	45		22.9	137	19 (6)		
20	25		23.0	138	20 (7)		
21	5		23.7	139	21(8)		
22	5	X					
23	5	X					
24							

**Notes:**  
**DCM Depth:**

<b>Station: 44</b>	<b>Cast: 1</b>
<b>Bottom (m): 4308</b>	<b>Date (HST): 31/3/18</b>
<b>Time Start Logging HST: 11.54.30</b>	<b>Time Start Logging GMT: 21.54.30</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 21.54.30</b>
<b>End:</b>	<b>Out water: 22.36.30</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 20.5225</b>	<b>Start: 156 54.5186</b>
<b>End: 22 20.4063</b>	<b>End: 156 54.3834</b>
<b>Max Press:</b>	<b>Operators: PD,Kaarl</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22.11.00	250	✓	
2	125	22.16.19	125	✓	
3	DCM	22.17.50	106	✓	
4	DCM	22.18.13	106	✓	
5	DCM	22.18.30	106	✓	
6	DCM	22.19.05	106	✓	
7	100	22.20.30	99	✓	
8	100	22.20.47	100	✓	
9	75	22.24.50	74	✓	
10	75	22.25.16	75	✓	
11	50	22.27.07	50	✓	
12	25	22.29.19	25	✓	
13	25	22.29.50	25	✓	
14	15	22.30.56	15	✓	
15	15	22.31.15	15	✓	
16	15	22.31.39	15	✓	
17	5	22.32.56	6	✓	
18	5	22.33.12	5	✓	
19	5	22.33.43	5	✓	
20					
21					
22					
23					
24					



<b>Station: 45</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 3/31/2018</b>
<b>Time Start Logging HST:</b>	<b>Time Start Logging GMT:</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 01:09:50</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22.20.142</b>	<b>Start: 156.54.249</b>
<b>End: 22.20.142</b>	<b>End: 156.54.139</b>
<b>Max Press:</b>	<b>Operators: AC</b>

<b>CTD</b>	<b>Comments:</b>
	FK80310_CTD045_20180331
	DCM at 112m
<b>Owned by:</b>	
SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	112	01;15:59	112.1		DCM
2	112	01;16:40	112.02		DCM
3	100	01;19:20	99.95		
4	100	01;19:40	99.97		
5	75	01;22:20	75.22		
6	75	01;23:30	74.15		
7	5	01;27:04	5.15		
8	5	01;28:00	5.02		
9	.5	01;28:15	5.2		
10	5	01;28:20	5.07		
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 45  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 03/31/2018 (HST)  
 Time: 15:00 (HST)

Rosette Position	Desired Depth	Ana C	MG				
1	<b>DCM</b>	X					
2	<b>DCM</b>	X					
3	<b>100</b>	X					
4	<b>100</b>	X					
5	<b>75</b>	X					
6	<b>75</b>	X					
7	<b>5</b>	X					
8	<b>5</b>	X					
9	<b>5</b>		X				
10	<b>5</b>		X				
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

**Notes:**  
**DCM Depth: 112 m**

<b>Station: 46</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 3/31/2018</b>
<b>Time Start Logging HST:</b>	<b>Time Start Logging GMT:</b>
<b>Pressure on deck Start:</b>	<b>Time GMT In water: 04:02</b>
<b>End: -0.254</b>	<b>Out water: 04:40</b>
<b>Latitude N Start: 22.19.468</b>	<b>Longitude W Start: 156.54.146</b>
<b>End: 22.19.336</b>	<b>End: 156.54.243</b>
<b>Max Press:</b>	<b>Operators: GT</b>

<b>CTD</b>	<b>Comments:</b>
	FK80310_CTD046_20180401 DCM:112m
<b>Owned by:</b>	
SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	250	04:17:42	248.8	✓	
2	155	?		✓	
3	125	04:23:10	125.042	✓	
4	DCM	04:24:41	112.212	✓	
5	DCM	04:24:47	112.226	✓	
6	DCM	04:25:30	112.229	✓	
7	DCM	04:25:30	111.978	✓	
8	100	04:26:53	100.120	✓	
9	100	04:27:06	100.076	✓	
10	75	04:29:51	75.125	✓	
11	75	04:30:19	74.981	✓	
12	50	04:31:49	50.108	✓	
13	25	04:34:01	25.491	✓	
14	25	04:34:19	25.431	✓	
15	15	04:35:20	15.191	✓	
16	15	04:35:55	15.538	✓	
17	15	04:36:09	15.201	✓	
18	15	04:36:19	15.111	✓	
19	15	04:36:25	15.196	✓	
20	5	04:37:28	5.092	✓	
21	5	04:37:55	4.904	✓	
22	5	04:38:09	5.048	✓	
23	5	04:38:31	5.023	✓	
24					



<b>Station: 47</b>	<b>Cast: 1</b>
<b>Bottom (m): 4079</b>	<b>Date (HST): 4/01/2018</b>
<b>Time Start Logging HST: 21:09</b>	<b>Time Start Logging GMT: 7:06:50</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 07:04:00</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22.19.593</b>	<b>Start: 156.57.153</b>
<b>End:</b>	<b>End:</b>
<b>Max Press:</b>	<b>Operators: AC</b>

<b>CTD</b>	<b>Comments:</b>
	FK80310_CTD047_20180401  DCM at 108m
<b>Owned by:</b> SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	100	07:16:22	100.1		
2	100	07:16:40	99.95		
3	75	07:19:50	74.97		
4	75	07:20:00	74.99		
5	75	07:20:30	75.04		
6	75	07:20:50	74.97		
7	.5	07:24:10	5.20		
8	5	07:25:00	5.04		
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					



<b>Station: 48</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/1/2018</b>
<b>Time Start Logging HST:</b>	<b>Time Start Logging GMT: 10.02.34</b>
<b>Pressure on deck Start: -0.254 End:</b>	<b>Time GMT In water: 10.02.34 Out water:</b>
<b>Latitude N Start: 22.18.485 End:</b>	<b>Longitude W Start: 156.56.960 End:</b>
<b>Max Press:</b>	<b>Operators: GT+Veit</b>

CTD	Comments:
<b>Owned by:</b> SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	DCM	10.29.55	116.796	✓	116m =middle (107-118 whole)
2	DCM	10.30.15	115.494	✓	
3	100	10.31.40	100.079	✓	
4	100	10.31.50	100.132	✓	
5	75	10.33.24	75.120	✓	
6	75	10.34.13	74.930	✓	
7	25	10.39.00	25.186	✓	
8	25	10.39.19	24.4760	✓	
9	25	1039.38	25.270	✓	
10	25	10.39.46	24.870	✓	
11	25	10.40.08	25.033	✓	
12	25	10.41.21	25.233	✓	
13	5	10.42.51	5.165	✓	
14	5	10.43.05	4.978	✓	
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					



<b>Station: 49</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/1/2018</b>
<b>Time Start Logging HST:</b>	<b>Time Start Logging GMT: 12.03</b>
<b>Pressure on deck Start:</b>	<b>Time GMT In water: 12.02</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N Start: 22.17.7518</b>	<b>Longitude W Start: 156.57.0396</b>
<b>End: 22.17.6430</b>	<b>End: 156.57.1425</b>
<b>Max Press:</b>	<b>Operators: TVM, RG</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	12.26.28	200.568	✓	
2	200	12.26.47	201.143	✓	
3	150	12.29.29	150.352	✓	
4	150	12.29.41	150.005	✓	
5	125	12.31.40	125.607	✓	
6	125	12.31.51	125.054	✓	
7	125	12.32.03	125.466	✓	
8	125	12.32.15	125.175	✓	
9	125	12.32.33	124.676	✓	
10	100	12.34.35	99.959	✓	
11	100	12.34.45	100.058	✓	
12	75	12.36.58	75.263	✓	
13	75	12.37.12	75.147	✓	
14	45	12.39.27	45.049	✓	
15	45	12.39.44	45.063	✓	
16	25	12.42.05	25.192	✓	
17	25	12.42.20	25.141	✓	
18	25	12.42.21	24.518	✓	
19	25	12.42.43	25.000	✓	
20	25	12.42.54	25.098	✓	
21	25	12.43.07	25.001	✓	
22	25	12.43.17	25.048	✓	
23	5	12.45.58	5.149	✓	
24	5	12.46.08	5.131	✓	

# FALKOR Leg II

## FK180310 Station Data Sheet

Station # 49

Date: 04/1/2018 (HST)

Cast # 1

Time: 02:00 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Tristy	Kevin	Julia	Sam	Gerianne	
1	200	X					
2	200	X					
3	150	X					
4	150	X					
5	125		X				
6	125		X				
7	125		X				
8	125		X				
9	125			X			
10	100				X	X	
11	100				X		
12	75				X	X	
13	75				X		
14	45				X	X	
15	45				X		
16	25				X	X	
17	25				X		
18	25		X				
19	25		X				
20	25		X				
21	25		X				
22	25			X			
23	5					X	
24	6					X	

<b>Station: 50</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST):4/1/18</b>
<b>Time Start Logging HST: 06.40</b>	<b>Time Start Logging GMT:16.40</b>
<b>Pressure on deck Start:</b>	<b>Time GMT In water:16.39.30</b>
<b>End:</b>	<b>Out water: 17.24.51</b>
<b>Latitude N Start: 22 15.8005</b>	<b>Longitude W Start: 156 56.5370</b>
<b>End: 22 15.514</b>	<b>End: 156 56.4216</b>
<b>Max Press:</b>	<b>Operators: Veit</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	17.02.07	250.870	✓	
2	155	17.06.20	155.220	✓	
3	125	17.08.46	125.380	✓	
4	DCM	17.10.23	110.012	✓	21.05° 110m
5	DCM	17.10.34	110.248	✓	
6	DCM	17.10.46	110.015	✓	
7	DCM	17.10.57	110.264	✓	
8	100	17.12.12	100.997	✓	
9	100	17.12.32	100.948	✓	
10	75	17.14.35	75.028	✓	
11	75	17.14.45	75.367	✓	
12	50	17.16.47	50.687	✓	
13	25	17.18.30	25.252	✓	
14	25	17.18.53	25.787	✓	
15	15	17.20.23	15.263	✓	
16	15	17.20.36	15.023	✓	
17	15	17.21.29	15.925	✓	
18	5	17.22.42	5.159	✓	
19	5	17.22.57	5.848	✓	
20	5	17.32.11	6.332	✓	
21	5	17.33.34	5.732	✓	
22					
23					
24					



<b>Station: 51</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/1/18</b>
<b>Time Start Logging HST: 11.58</b>	<b>Time Start Logging GMT: 21.58</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 21.57.20</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 179.62</b>	<b>Start: 157 00.6525</b>
<b>End:</b>	<b>End:</b>
<b>Max Press: 400</b>	<b>Operators: STW</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22.16.30	249.89	✓	
2	110	22.24.00	106.59	✓	DCM=110m= 21.1°
3	110	22.24.30	109.516	✓	
4	100	22.26.20	100.645	✓	
5	100	22.27.00	100.218	✓	
6	75	22.29.40	75.452	✓	
7	75	22.30.20	74.449	✓	
8	50	22.33.00	49.622	✓	
9	15	22.35.15	14.180	✓	
10	5	22.37.00	5.014	✓	
11	5	22.37.20	5.834	✓	
12	5	22.37.50	3.99	✓	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					







<b>Station: 53</b>	<b>Cast: 1</b>
<b>Bottom (m): 4141</b>	<b>Date (HST): 4/1/18</b>
<b>Time Start Logging HST: 21.40.00</b>	<b>Time Start Logging GMT: 7.40.00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 7.40.00</b>
<b>End:</b>	<b>Out water: 9.14.15</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 17.06</b>	<b>Start: 157 01.95</b>
<b>End: 22 15.98</b>	<b>End: 157 01.69</b>
<b>Max Press:</b>	<b>Operators: PD,Kaarl</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	7.56.02	250	✓	
2	DCM	7.59.46	109	✓	109 @ 21°
3	DCM	8.00.03	109	✓	109 @ 21°
4	DCM	8.00.20	109	✓	109 @ 21°
5	DCM	8.00.36	109	✓	109 @ 21°
6	DCM	8.01.00	109	✓	109 @ 21°
7	100	8.02.59	100	✓	
8	100	8.03.32	100	✓	
9	75	8.05.15	75	✓	
10	75	8.05.37	75	✓	
11	50	8.07.22	50	✓	
12	50	8.07.51	50	✓	
13	50	8.08.20	50	✓	
14	15	8.10.20	15	✓	
15	5	8.11.37	5	✓	
16	5	8.12.05	5	✓	
17	5	8.12.20	5	✓	
18					
19					
20					
21					
22					
23					
24					



<b>Station: 54</b>	<b>Cast: 1</b>
<b>Bottom (m): 4031</b>	<b>Date (HST): 04022018</b>
<b>Time Start Logging HST: 00:15</b>	<b>Time Start Logging GMT: 10:02</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 10:02:52</b>
<b>End:</b>	<b>Out water: 10:30</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 17.290</b>	<b>Start: 156 1.1016</b>
<b>End: 22 17.300</b>	<b>End: 156 1.1097</b>
<b>Max Press:</b>	<b>Operators: Ana C</b>

<b>CTD</b>	<b>Comments:</b>
	FK180310_CTD54_20180402
	DCM depth 110m
<b>Owned by:</b>	
SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	125	10:15:45	124.9		
2	125	10:16:06	125.2		
3	DCM	10:17:30	110.4		
4	DCM	10:17:50	110.2		
5	100	10:19:05	100.6		
6	100	10:19:20	100.7		
7	75	10:21:19	74.9		
8	75	10:21:26	75.0		
9	5	10:26:42	4.8		
10	5	10:27:00	5.11		
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					



<b>Station: 55</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/2/18</b>
<b>Time Start Logging HST: 02.07</b>	<b>Time Start Logging GMT: 12.07.19</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 12.06</b>
<b>End:</b>	<b>Out water: 12.51.29</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 15633</b>	<b>Start: 157.03.813</b>
<b>End:</b>	<b>End:</b>
<b>Max Press:</b>	<b>Operators: RG</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	125	12.32.07	125.577	✓	
2	125	12.32.24	125.846	✓	
3	125	12.32.37	125.457	✓	
4	100	12.35.09	100.054	✓	
5	100	12.35.23	100.010	✓	
6	100	12.35.34	100.200	✓	
7	100	12.35.48	100.442	✓	
8	100	12.35.59	99.774	✓	
9	75	12.57.38	74.482	✓	
10	75	12.38.12	74.765	✓	
11	75	12.38.23	74.045	✓	
12	75	12.38.39	74.769	✓	
13	75	12.38.52	75.645	✓	
14	45	12.41.06	45.725	✓	
15	45	12.41.15	44.972	✓	
16	45	12.41.25	45.441	✓	
17	45	12.41.37	46.066	✓	
18	25	12.45.06	25.492	✓	
19	25	12.45.20	25.727	✓	
20	25	12.45.37	25.157	✓	
21	5	12.48.29	5.286	✓	
22	5	12.48.41	5.046	✓	
23	5	12.48.52	5.001	✓	
24	5	12.49.05	5.307	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 55  
 Cast # 1  
 Operator(s): GT

Date: 04/03/2018 (HST)  
 Time: 02:00 (HST)

Rosette Position	Desired Depth	Ana C	Gerianne T				
1	125		X				
2	125		X				
3	125		X				
4	DCM	X					
5	DCM	X					
6	100	X					
7	100	X	X				
8	100		X				
9	100		X				
10	75	X					
11	75	X	X				
12	75		X				
13	75		X				
14	45		X				
15	45		X				
16	45		X				
17	25		X				
18	25		X				
19	25		X				
20	5	X					
21	5	X					
22	5		X				
23	5		X				
24	5		X				

**Notes:**  
**DCM Depth:**

<b>Station:56</b>	<b>Cast:1</b>
<b>Bottom (m): 4088</b>	<b>Date (HST): 4/2/18</b>
<b>Time Start Logging HST: 06.58.16</b>	<b>Time Start Logging GMT: 16.58.16</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 16.57.44</b>
<b>End:</b>	<b>Out water: 17.44.26</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 12.0899</b>	<b>Start: 156 58.3157</b>
<b>End: 22 11.8340</b>	<b>End: 156 58.1052</b>
<b>Max Press: 400.6</b>	<b>Operators:Veit</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	17.19.38	250.740	✓	
2	155	17.24.40	155.551	✓	
3	125	17.26.26	125.044	✓	
4	DCM	17.28.30	105.297	✓	105m 21.0°
5	DCM	17.28.37	105.405	✓	
6	DCM	17.28.59	105.160	✓	
7	DCM	17.29.14	105.214	✓	
8	100	17.30.14	100.174	✓	
9	100	17.30.29	100.515	✓	
10	75	17.32.07	75.216	✓	
11	75	17.32.33	75.363	✓	
12	50	17.34.22	50.214	✓	
13	25	17.36.32	25.494	✓	
14	25	17.36.47	25.834	✓	
15	25	17.37.05	25.596	✓	
16	25	17.37.19	25.883	✓	
17	25	17.37.46	25.840	✓	
18	15	17.39.11	15.444	✓	
19	15	17.39.26	15.159	✓	
20	5	17.41.00	5.083	✓	
21	5	17.41.12	5.064	✓	
22	5	17.41.26	5.033	✓	
23	5	17.41.40	5.113	✓	
24					



<b>Station:57</b>	<b>Cast:1</b>
<b>Bottom (m): 4164</b>	<b>Date (HST): 4/2/18</b>
<b>Time Start Logging HST: 10.00.00</b>	<b>Time Start Logging GMT: 20.00.00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 10.00.00</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 1841</b>	<b>Start: 157 05.57</b>
<b>End:</b>	<b>End:</b>
<b>Max Press: 155</b>	<b>Operators:PD+Veit</b>

CTD	Comments:
<b>Owned by:</b> SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	DCM	20.12.25	117	✓	117m @ 21°
2	DCM	20.12.39	117	✓	
3	DCM	20.12.52	117	✓	
4	DCM	20.13.07	117	✓	
5	DCM	20.13.20	117	✓	
6	DCM	20.13.33	117	✓	
7	DCM	20.13.50	117	✓	
8	DCM	20.13.59	117	✓	
9	DCM	20.14.14	117	✓	
10	DCM	20.14.35	117	✓	
11	DCM	20.15.00	117	✓	
12	DCM	20.15.14	117	✓	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					







<b>Station:59</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/2/18</b>
<b>Time Start Logging HST: 15.10</b>	<b>Time Start Logging GMT: 01.10</b>
<b>Pressure on deck Start:</b>	<b>Time GMT In water: 01.08</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N Start:22 18.730</b>	<b>Longitude W Start: 157 5.298</b>
<b>End:</b>	<b>End:</b>
<b>Max Press: 400</b>	<b>Operators:SOI,TB,TC</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	01.33	175.353	✓	
2	175	01.33	175.017	✓	
3	150	01.35	150.040	✓	
4	150	01.36	153.811	✓	
5	125	01.38	125.642	✓	
6	125	01.38	125.305	✓	
7	108	01.40	108.112	✓	DCM
8	108	01.40	108.686	✓	
9	100	01.42	100.050	✓	
10	100	01.44	100.060	✓	
11	75	01.44	74.38	✓	
12	75	01.46	74.356	✓	
13	45	01.46	45.563	✓	
14	45	01.48	45.675	✓	
15	25	01.49	25.173	✓	
16	25	01.49	25.221	✓	
17	25	01.49	25.936	✓	
18	25	01.49	25.794	✓	
19	5	01.51	5.151	✓	
20	5	01.51	5.444	✓	
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 59  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/2/2018 (HST)  
 Time: 15:00 (HST)

Rosette Position	Desired Depth	EW	Nuts 125mL	LLN 125mL	LLP 500mL	Chl	FCM	PC/PN 4L	PPO4 4L	
1	175	X	1	1	1	1 (1)	1			
2	175							2 (7)	2 (15)	
3	150	X	3	3	3	3 (2)	3			
4	150							4 (8)	4 (16)	
5	125	X	5	5	5	5 (3)	5			
6	125							6 (9)	6 (1)	
7	DCM	X								
8	DCM	X								
9	100	X	9	9	9	9 (4)	9			
10	100							10 (10)	10 (2)	
11	75	X	11	11	11	11 (5)	11			
12	75							12 (11)	12 (3)	
13	45	X	13	13	13	13 (6)	13			
14	45							14 (12)	14 (4)	
15	25	X	15	15	15	15 (7)	15			
16	25							16 (13)	16 (5)	
17	25	X								
18	25	X								
19	5	X	19	19	19	19 (8)	19			
20	5							20 (14)	20 (6)	
21										
22										
23										
24										

**NOTES:**

<b>Station:60</b>	<b>Cast:1</b>
<b>Bottom (m): 4244</b>	<b>Date (HST):4/2/18</b>
<b>Time Start Logging HST: 18.09.28</b>	<b>Time Start Logging GMT: 04.09.28</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 04.08.52</b>
<b>End:</b>	<b>Out water: 04.44.46</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 10.2296</b>	<b>Start: 156 59.0707</b>
<b>End: 22 10 0873</b>	<b>End: 156 58.9253</b>
<b>Max Press: 400</b>	<b>Operators:Kaarl</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	04.26.20	250.355	✓	
2	250	04.26.31	250.128	✓	
3	125	04.30.44	125.413	✓	
4	DCM	04.32.43	100.242	✓	
5	DCM	04.32.53	100.146	✓	
6	50	04.35.52	50.120	✓	
7	25	04.37.49	25.262	✓	
8	25	04.38.08	25.069	✓	
9	25	04.38.22	25.266	✓	
10	25	04.38.33	25.117	✓	
11	25	04.38.45	25.027	✓	
12	25	04.38.56	25.216	✓	
13	15	04.40.10	15.312	✓	
14	15	04.40.21	15.060	✓	
15	5	04.41.42	5.249	✓	
16	5	04.41.55	5.509	✓	
17					
18					
19					
20					
21					
22					
23					
24					



<b>Station: 61</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/3/18</b>
<b>Time Start Logging HST: 02.00.57</b>	<b>Time Start Logging GMT: 12.00.57</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 12.01.23</b>
<b>End:</b>	<b>Out water: 12.38.05</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22.10.074</b>	<b>Start: 157.1897</b>
<b>End: 22.10.129</b>	<b>End: 157.2005</b>
<b>Max Press:</b>	<b>Operators: KB+JW</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	125	12.26.03	125.360	✓	
2	125	12.26.22	124.780	✓	
3	125	12.26.35	125.590	✓	
4	125	12.26.46	125.416	✓	
5	125	12.26.56	125.362	✓	
6	125	12.27.06	125.997	✓	
7	125	12.27.19	125.420	✓	
8	125	12.27.34	125.259	✓	
9	25	12.34.08	25.016	✓	
10	25	12.34.40	25.369	✓	
11	25	12.34.47	25.228	✓	
12	25	12.35.01	25.182	✓	
13	25	12.35.18	25.134	✓	
14	25	12.35.35	25.035	✓	
15	25	12.35.53	24.988	✓	
16	25	12.36.16	25.425	✓	
17					
18					
19					
20					
21					
22					
23					
24					

DCM:105

# FALKOR Leg II

## FK180310 Station Data Sheet

Station # 61

Date: 04/3/2018 (HST)

Cast # 1

Time: 02:00 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Kevin	Julia				
1	125		X				
2	125		X				
3	125		X				
4	125	X					
5	125	X					
6	125	X					
7	125	X					
8	125	X					
9	25		X				
10	25		X				
11	25		X				
12	25	X					
13	25	X					
14	25	X					
15	25	X					
16	25	X					
17							
18							
19							
20							
21							
22							
23							
24							

<b>Station: 62</b>	<b>Cast: 1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/3/18</b>
<b>Time Start Logging HST: 05.32</b>	<b>Time Start Logging GMT: 15.32</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 15.31</b>
<b>End:</b>	<b>Out water: 16:22</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22.11.327</b>	<b>Start: 157.03.560</b>
<b>End: 22.11.364</b>	<b>End: 157.9.952</b>
<b>Max Press:</b>	<b>Operators: Veit+JW</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	15.58.43	225.097	✓	
2	125	16.05.57	125.174	✓	
3	DCM	16.08.10	98.109	✓	98
4	DCM	16.08.28	98.157	✓	
5	DCM	16.08.44	98.160	✓	
6	DCM	16.08.54	98.019	✓	
7	DCM	16.09.04	98.261	✓	
8	DCM	16.09.19	98.271	✓	
9	DCM	06.09.34	98.078	✓	
10	DCM	16.09.45	98.079	✓	
11	50	16.13.02	50.126	✓	
12	25	16.16.45	25.224	✓	
13	25	16.16.54	25.044	✓	
14	25	16.17.04	25.454	✓	
15	25	16.17.13	25.183	✓	
16	25	16.17.22	25.093	✓	
17	25	16.17.31	25.230	✓	
18	25	16.17.42	25.141	✓	
19	25	16.17.46	25.142	✓	
20	25	16.17.57	25.096	✓	
21	25	16.18.17	25.001	✓	
22	25	18.18.28	24.974	✓	
23	15	16.19.44	15.000	✓	
24	5	16.21.11	5.326	✓	

# FALKOR Leg II

## FK180310 Station Data Sheet

Station # 62

Date: 04/3/2018 (HST)

Cast # 1

Time: 06:00 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Paul D	Kevin	Tara	Rosie	Matilda	Geri	
1	250	X						
2	125		X					
3	DCM	X				X		
4	DCM			X				
5	DCM			X				
6	DCM			X				
7	DCM			X				
8	DCM			X				
9	DCM			X				
10	DCM			X				
11	50	X						
12	25		X				X	
13	25				X			
14	25				X			
15	25			X				
16	25			X				
17	25			X				
18	25			X				
19	25			X				
20	25			X				
21	25			X				
22	25			X				
23	15					X		
24	5					X	X	

<b>Station:63</b>	<b>Cast:1</b>
<b>Bottom (m): 4820</b>	<b>Date (HST): 4/3/18</b>
<b>Time Start Logging HST: 12.00.00</b>	<b>Time Start Logging GMT: 22.00.00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 22.00.00</b>
<b>End:</b>	<b>Out water: 22.45.18</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 12.073</b>	<b>Start: 156 40.490</b>
<b>End:22 11.878</b>	<b>End: 156 40.551</b>
<b>Max Press: 400</b>	<b>Operators:Kaarl</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	250	22.32.06	250.213	✓	
2	250	22.32.18	250.455	✓	
3	DCM	22.36.15	110.075	✓	110m 22.7°
4	DCM	22.36.33	110.031	✓	
5	50	22.39.46	50.546	✓	
6	50	22.39.56	50.340	✓	
7	15	22.42.58	15.343	✓	
8	5	22.44.08	5.923	✓	
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					



<b>Station:64</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/3/18</b>
<b>Time Start Logging HST: 17.52</b>	<b>Time Start Logging GMT: 03.52</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 03.49.50</b>
<b>End:</b>	<b>Out water: 04.29.11</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 7983</b>	<b>Start: 157 4454</b>
<b>End: 22 7926</b>	<b>End: 157 4530</b>
<b>Max Press: 400.9</b>	<b>Operators:Kaarl</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	04.09.39	200.122	✓	
2	200	04.09.48	200.005	✓	
3	150	04.12.09	150.758	✓	
4	150	04.12.20	150.232	✓	
5	125	04.13.55	125.042	✓	
6	DCM	04.15.02	115.099	✓	115m 21.5°
7	DCM	04.15.16	115.166	✓	
8	DCM	04.15.33	115.252	✓	
9	DCM	04.15.46	115.071	✓	
10	DCM	04.16.03	115.027	✓	
11	DCM	04.16.15	115.315	✓	
12	DCM	04.16.28	115.304	✓	
13	25	04.22.29	25.020	✓	
14	25	04.22.44	25.164	✓	
15	25	04.22.58	25.166	✓	
16	25	04.23.10	25.024	✓	
17	25	04.23.23	25.025	✓	
18	25	04.23.39	25.313	✓	
19	25	04.23.54	25.073	✓	
20	25	04.24.13	25.371	✓	
21	25	04.24.28	25.032	✓	
22	25	04.24.41	25.176	✓	
23	15	04.26.33	15.322	✓	
24	5	04.27.47	5.212	✓	

# FALKOR Leg II

## FK180310 Station Data Sheet

Station # 64

Date: 04/3/2018 (HST)

Cast # 1

Time: 18:00 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Morgan	Kevin	Tara	Rosie	Matilda	Geri	
1	200	X						
2	200	X						
3	150	X						
4	150	X						
5	125		X					
6	DCM			X		X		
7	DCM			X				
8	DCM			X				
9	DCM			X				
10	DCM			X				
11	DCM			X				
12	DCM			X				
13	25				X		X	
14	25				X			
15	25		X					
16	25			X				
17	25			X				
18	25			X				
19	25			X				
20	25			X				
21	25			X				
22	25			X				
23	15					X		
24	5					X	X	

<b>Station:65</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/4/18</b>
<b>Time Start Logging HST: 02.02</b>	<b>Time Start Logging GMT: 12.02</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 12.02</b>
<b>End:</b>	<b>Out water: 12.44</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 4149</b>	<b>Start: 1572440</b>
<b>End: 22 5887</b>	<b>End: 157 2126</b>
<b>Max Press:</b>	<b>Operators:TVM</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	225	12.23.24	225.057	✓	
2	225	12.33.35	255.013	✓	
3	200	12.25.33	199.969	✓	
4	175	12.27.27	174.973	✓	
5	150	12.29.31	149.952	✓	
6	125	12.31.21	124.930	✓	
7	125	12.31.31	125.270	✓	
8	125	12.31.42	124.887	✓	
9	125	12.31.53	125.104	✓	
10	100	12.33.49	99.861	✓	
11	100	12.34.00	100.058	✓	
12	100	12.34.09	100.105	✓	
13	75	12.36.05	75.148	✓	
14	75	12.36.29	74.722	✓	
15	75	12.36.39	74.866	✓	
16	45	13.38.39	44.918	✓	
17	45	12.38.48	45.004	✓	
18	45	12.39.02	45.247	✓	
19	25	12.41.11	25.195	✓	
20	25	12.41.24	25.573	✓	
21	25	12.41.38	25.198	✓	
22	5	12.43.49	5.425	✓	
23	5	12.43.59	5.329	✓	
24	5	12.44.01	5.063	✓	

# FALKOR Leg II

## FK180310 Station Data Sheet

Station # 65

Date: 04/4/2018 (HST)

Cast # 1

Time: 02:00 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Sam	Tristy	Gerianne				
1	225		X	X				
2	200		X	X				
3	175		X	X				
4	150		X	X				
5	125		X	X				
6	125	X						
7	125	X						
8	125	X						
9	100	X		X				
10	100	X						
11	100	X						
12	100	X						
13	75	X		X				
14	75	X						
15	75	X						
16	45	X		X				
17	45	X						
18	45	X						
19	25	X		X				
20	25	X						
21	25	X						
22	5	X		X				
23	5	X						
24	5	X						

<b>Station:66</b>	<b>Cast:1</b>
<b>Bottom (m): 3813</b>	<b>Date (HST): 04/04</b>
<b>Time Start Logging HST: 6.10</b>	<b>Time Start Logging GMT: 16.08.42</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 16.08.42</b>
<b>End:</b>	<b>Out water: 17.33.30</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 5760</b>	<b>Start: 157 1993</b>
<b>End: 22 51116</b>	<b>End: 157 02 032</b>
<b>Max Press: 1001</b>	<b>Operators:AC, GT</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	1000	16.39.35	1000.772	✓	
2	1000	16.39.48	1000.478	✓	
3	1000	16.41.08	1000.446	✓	
4	1000	16.41.21	1000.305	✓	
5	1000	16.41.34	1000.409	✓	
6	770	16.49.40	770.266	✓	
7	700	16.53.10	700.274	✓	
8	600	16.57.13	600.276	✓	
9	500	17.01.19	499.830	✓	
10	400	17.05.35	400.311	✓	
11	300	17.10.00	300.300	✓	
12	200	17.14.23	200.143	✓	
13	175	17.15.59	175.018	✓	
14	150	17.17.51	150.615	✓	
15	125	17.19.49	125.291	✓	
16	DCM	17.21.55	104.396	✓	104
17	100	17.22.40	100.519	✓	
18	75	17.24.21	75.090	✓	
19	45	17.26.21	45.061	✓	
20	25	17.28.14	25.476	✓	
21	25	17.29.11	25.109	✓	
22	25	17.29.23	25.298	✓	
23	25	17.29.36	24.962	✓	
24	5	19.32.00	5.433	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 66  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/04/2018 (HST)  
 Time: 06:00 (HST)

Rosette Position	Desired Depth	Temp (oC)	Oxygen	Chl a	Julia	Rosie	Morgan
1	1000						X
2	1000						X
3	1000						X
4	1000						X
5	1000						X
6	770	8.9	121,122,123				
7	700	8.6	124				
8	600	9.2	125				
9	500	10.1	126				
10	400	11.9	127				
11	300	13.2	128				
12	200	16.1	129				
13	175	17.3	130	13 (1)			
14	150	18.7	131	14 (2)			
15	125	20.9	132,133,134	15 (3)			
16	DCM				X		
17	100	21.7	135	17 (4)			
18	75	22.7	136	18 (5)			
19	45	22.8	137	19 (6)			
20	25	23.2	138	20 (7)			
21	25					X	
22	25					X	
23	25					X	
24	5	23.4	139	24(8)			

**DCM depth: 104 m**

<b>Station:67</b>	<b>Cast:1</b>
<b>Bottom (m): 4054</b>	<b>Date (HST): 04/04</b>
<b>Time Start Logging HST: 11:58</b>	<b>Time Start Logging GMT: 21:58</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 21:55:00</b>
<b>End:</b>	<b>Out water: 22:43:00</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 7.408</b>	<b>Start: 156 56.289</b>
<b>End: 22 6.879</b>	<b>End: 156 56.427</b>
<b>Max Press: 400</b>	<b>Operators:MD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	400	22:13:45	400.073	✓	
2	300	22:16:40	300.390	✓	
3	300	22:17:10	300.927	✓	
4	300	22:17:33	300.876	✓	
5	250	22:20:15	205.156	✓	
6	250	22:20:28	250.059	✓	
7	250	22:20:39	250.216	✓	
8	200	22:23:01	200.014	✓	
9	175	22:24:16	175.283	✓	
10	150	22:25:25	150.172	✓	
11	125	22:26:57	125.049	✓	
12	115	22:27:56	115.152	✓	DCM+15
13	110	22:28:37	110.356	✓	DCM+10
14	105	22:29:46	105.225	✓	DCM+05
15	100	22:30:45	100.283	✓	DCM
16	100	22:30:57	100.240	✓	DCM
17	95	22:32:12	95.299	✓	DCM-05
18	90	22:33:22	90.457	✓	DCM-10
19	85	22:34:25	85.373	✓	DCM-15
20	75	22:35:45	75.591	✓	
21	45	22:37:43	45.823	✓	
22	25	22:40:01	25.005	✓	
23	15	22:41:06	15.246	✓	
24	5	22:42:18	5.518	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 67  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/04/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	Temp	Gerianne/ Rhea (DON)	Mathilde	Paul	Morgan
1	400		X			
2	300		X			
3	250		X			
4	200		X		X	
5	200					X
6	200					X
7	175					X
8	175					X
9	175		X		X	
10	150		X		X	X
11	150					X
12	DCM+15		X		X	
13	DCM+10		X		X	
14	DCM-5		X		X	
15	DCM		X	X	X	
16	100		X		X	
17	DCM-5		X		X	
18	DCM-10		X		X	
19	DCM-15		X		X	
20	75		X		X	
21	45		X		X	
22	25		X		X	
23	15			X		
24	5		X	X	X	

**Notes:**  
**DCM Depth:**

<b>Station:68</b>	<b>Cast:1</b>
<b>Bottom (m): 4748</b>	<b>Date (HST): 04/04</b>
<b>Time Start Logging HST: 14:14</b>	<b>Time Start Logging GMT: 00:14</b>
<b>Pressure on deck Start: End: -0.307</b>	<b>Time GMT In water: 00:10 Out water: 00:37</b>
<b>Latitude N Start:22 4.008 End: 22 3.830</b>	<b>Longitude W Start: 156 58.364 End: 156 58.364</b>
<b>Max Press: 198</b>	<b>Operators:KK</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by: SOI</b>	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	100	00:25:30	99.95	✓	
2	100	00:26:00	99.93	✓	
3	100	00:26:30	99.991	✓	
4	100	00:27:00	100.106	✓	
5	100	00:27:40	99.98	✓	
6	100	00:28:10	99.78	✓	
7	25	00:33:00	25.02	✓	
8	25	00:33:30	25.168	✓	
9	25	00:34:30	25.026	✓	
10	25	00:35:00	25.25	✓	
11	25	00:36:00	25.073	✓	
12	25	00:36:30	25.080	✓	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 68

Date: 04/04/2018 (HST)

Cast # 1

Time: 13:30 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Tara (Dyhrman)				
1	DCM	X				
2	DCM	X				
3	DCM	X				
4	DCM	X				
5	DCM	X				
6	DCM	X				
7	25	X				
8	25	X				
9	25	X				
10	25	X				
11	25	X				
12	25	X				
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

**Notes:**  
**DCM Depth:**

<b>Station:69</b>	<b>Cast:1</b>
<b>Bottom (m): 4459</b>	<b>Date (HST): 04/04</b>
<b>Time Start Logging HST: 15:15</b>	<b>Time Start Logging GMT: 01:13</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 01:10</b>
<b>End:</b>	<b>Out water: 02:16</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 1.490</b>	<b>Start: 157 0.493</b>
<b>End:</b>	<b>End:</b>
<b>Max Press: 1000</b>	<b>Operators:Kaarel</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	1000	01:38:40	999.08	✓	
2	1000	01:38:59	998.81	✓	
3	1000	01:39:30	1000.61	✓	
4	1000	01:39:45	1000.51	✓	
5	250	01:57:20	250.64	✓	
6	250	01:57:35	251.07	✓	
7	250	01:57:50	250.71	✓	
8	250	01:58:15	250.34	✓	
9	150	02:02:20	149.51	✓	
10	150	02:03:15	149.73	✓	
11	150	02:03:25	149.67	✓	
12	150	02:03:40	149.65	✓	
13	112	02:06:30	112.38	✓	
14	112	02:06:45	112.45	✓	
15	112	02:07:00	111.64	✓	
16	25	02:11:15	22.62	✓	
17	25	02:11:45	25.65	✓	
18	25	02:12:00	25.18	✓	
19	25	02:12:15	25.37	✓	
20	25	02:12:30	26.68	✓	
21	25	02:13:45	26.15	✓	
22	15	02:14:00	15.087	✓	
23	15	02:14:30	15.183	✓	
24	15	02:14:45	15.154	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 69  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/04/2018 (HST)  
 Time: 14:30 (HST)

Rosette Position	Desired Depth	Rosie	Julia	Tara (Caron)		
1	1000			X		
2	1000			X		
3	1000			X		
4	1000			X		
5	250			X		
6	250			X		
7	250			X		
8	250			X		
9	150			X		
10	150			X		
11	150			X		
12	150			X		
13	DCM			X		
14	DCM			X		
15	DCM			X		
16	25			X		
17	25			X		
18	25			X		
19	25	X				
20	25	X				
21	25	X				
22	15		X			
23	15		X			
24	15		X			

**Notes:**  
**DCM Depth:**

<b>Station:70</b>	<b>Cast:1</b>
<b>Bottom (m): 4782</b>	<b>Date (HST): 04/05</b>
<b>Time Start Logging HST: 04:00:00</b>	<b>Time Start Logging GMT: 14:00:00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 14:00:00</b>
<b>End:</b>	<b>Out water:14:15:00</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 00.00</b>	<b>Start: 156 56.47</b>
<b>End: 21 59.96</b>	<b>End: 156 56.52</b>
<b>Max Press: 25</b>	<b>Operators:STW</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	25	14:05:21	26.481	✓	
2	25	14:05:50	26.51	✓	
3	25	14:06:07	25.98	✓	
4	25	14:06:22	26.23	✓	
5	25	14:06:42	25.03	✓	
6	25	14:07:02	26.42	✓	
7	25	14:07:36	26.32	✓	
8	25	14:07:56	25.51	✓	
9	25	14:08:19	25.84	✓	
10	25	14:08:41	25.25	✓	
11	25	14:09:07	25.79	✓	
12	25	14:09:23	25.78	✓	
13	25	14:09:42	25.82	✓	
14	25	14:09:56	25.76	✓	
15	25	14:10:12	25.32	✓	
16	25	14:10:26	25.42	✓	
17	25	14:10:49	25.56	✓	
18	25	14:11:07	25.78	✓	
19	25	14:11:27	25.31	✓	
20	25	14:11:53	25.85	✓	
21	25	14:12:08	25.25	✓	
22	25	14:12:29	25.53	✓	
23	25	14:12:43	25.81	✓	
24	25	14:13:00	25.25	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 70  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/04/2018 (HST)  
 Time: 18:00 (HST)

Rosette Position	Desired Depth	Rosie	Julia	Kevin	Mathilde		
1	125			X			
2	DCM				X		
3	25	X					
4	25	X					
5	25	X					
6	25			X			
7	15		X				
8	15		X				
9	15		X				
10	15				X		
11	5				X		
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24				X			

**Notes:**  
**DCM Depth:**

<b>Station:71</b>	<b>Cast:1</b>
<b>Bottom (m): 4863</b>	<b>Date (HST): 04/05</b>
<b>Time Start Logging HST: 12:27</b>	<b>Time Start Logging GMT: 22:27</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 22:26:15</b>
<b>End:</b>	<b>Out water: 23:07:10</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 21.677</b>	<b>Start: 156 43.640</b>
<b>End: 22 21.353</b>	<b>End: 157 43.695</b>
<b>Max Press: 400.7</b>	<b>Operators:MD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	22:44:33	200.158		
2	175	22:47:50	175.449		
3	175	22:48:04	175.111		
4	150	22:49:37	150.038		
5	150	22:49:48	150.071		
6	125	22:51:44	125.228		
7	125	22:51:57	125.230		
8	110	22:53:19	110.070		DCM+10
9	100	22:54:18	100.272		DCM
10	100	22:54:30	100.131		DCM
11	100	22:54:44	100.275		DCM
12	100	22:54:59	100.088		DCM
13	90	22:56:30	90.107		DCM-10
14	75	22:57:55	75.277		
15	75	22:58:17	75.325		
16	45	23:00:28	45.573		
17	45	23:00:44	45.513		
18	25	23:02:25	25.410		
19	25	23:02:35	25.697		
20	25	23:02:47	25.165		
21	25	23:03:01	25.173		
22	15	23:04:21	15.075		
23	5	23:05:52	4.505		
24	5	23:06:17	5.403		

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 71  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/05/2018 (HST)  
 Time: 18:00 (HST)

Rosette Position	Desired Depth	Paul D	Emma W	Tara	Mathilde	Gerianne	Julia
1	200	X					
2	175	X	X				
3	175			X			
4	150			X			
5	150	X	X				
6	125	X	X				
7	125			X	X		X
8	DCM +10	X					
9	100	X					
10	100		X				X
11	100		X				
12	100			X			
13	DCM -10	X					
14	75	X	X				X
15	75			X			
16	45		X				X
17	45			X			
18	25	X				X	X
19	25		X				
20	25		X				
21	25			X			
22	15				X		X
23	5	X			X	X	X
24	5			X			

**NOTES:**

<b>Station:72</b>	<b>Cast:1</b>
<b>Bottom (m): 4780</b>	<b>Date (HST): 04/05</b>
<b>Time Start Logging HST: 22:08:00</b>	<b>Time Start Logging GMT: 04:02:00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 04:01:10</b>
<b>End:</b>	<b>Out water: 04:49:40</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:22 49.961</b>	<b>Start: 158 22.194</b>
<b>End: 22 50.014</b>	<b>End: 158 22.591</b>
<b>Max Press: 400</b>	<b>Operators:MD</b>

<b>CTD</b>	<b>Comments:</b>
	DCM:125m
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	04:25:25	200.259	✓	
2	175	04:30:23	175.013	✓	
3	175	04:30:35	175.123	✓	
4	150	04:33:20	150.196	✓	
5	150	04:33:39	150.244	✓	
6	140	04:35:03	140.520	✓	
7	130	04:36:12	130.085	✓	DCM
8	130	04:36:22	130.445	✓	
9	130	04:36:35	130.322	✓	
10	125	04:37:32	125.251	✓	
11	120	04:38:16	120.012	✓	
12	100	04:39:31	100.195	✓	
13	100	04:39:42	100.012	✓	
14	75	04:42:01	75.195	✓	
15	75	04:42:21	75.339	✓	
16	45	04:44:07	45.279	✓	
17	45	04:44:22	45.248	✓	
18	25	04:45:40	25.076	✓	
19	25	04:45:51	25.024	✓	
20	25	04:45:00	25.174	✓	
21	25	04:46:10	25.129	✓	
22	15	04:47:22	15.316	✓	
23	5	04:48:25	5.201	✓	
24	5	04:48:45	5.703	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 72  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/05/2018 (HST)  
 Time: 18:00 (HST)

Rosette Position	Desired Depth	Nuts 125mL	LLN 125mL	LLP 500mL	Chl	FCM	PC/PN 4L	PPO4 4L
1	200							
2	175							
3	175	3	3	3	3 (1)	3	3 (7)	3 (15)
4	150	4	4	4	4 (2)	4	4 (8)	4 (16)
5	150							
6	140							
7	130							
8	130							
9	130							
10	125	10	10	10	10 (3)	10	10 (9)	10 (1)
11	120							
12	100							
13	100	13	13	13	13 (4)	13	13 (10)	13 (2)
14	75	14	14	14	14 (5)	14	14 (11)	14 (3)
15	75							
16	45							
17	45	17	17	17	17 (6)	17	17 (12)	17 (4)
18	25							
19	25							
20	25							
21	25	21	21	21	21 (7)	21	21 (13)	21 (5)
22	15							
23	5							
24	5	24	24	24	24 (8)	24	24 (14)	24 (6)

<b>Station:73</b>	<b>Cast:1</b>
<b>Bottom (m): 4747</b>	<b>Date (HST): 04/06</b>
<b>Time Start Logging HST: 05:57</b>	<b>Time Start Logging GMT: 15:57</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 15:56:55</b>
<b>End:</b>	<b>Out water: 16:40:55</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:23 46.944</b>	<b>Start: 159 33.423</b>
<b>End: 23 47.051</b>	<b>End: 159 33.680</b>
<b>Max Press: 400</b>	<b>Operators:MD</b>

<b>CTD</b>	<b>Comments:</b>
	DCM:125m
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	16:19:05	200.305		
2	175	16:21:25	174.772		
3	175	16:21:39	174.622		
4	150	16:23:17	150.514		
5	150	16:23:27	150.274		
6	135	16:25:00	135.176		
7	125	16:26:09	125.588		DCM
8	125	16:26:21	125.295		
9	125	16:26:35	125.296		
10	125	16:26:47	126.098		
11	115	16:27:23	115.294		
12	100	16:29:17	100.458		
13	100	16:29:41	100.512		
14	75	16:31:21	75.012		
15	75	16:31:44	75.545		
16	45	16:34:03	45.061		
17	45	16:34:14	45.199		
18	25	16:36:17	25.038		
19	25	16:36:29	25.129		
20	25	16:36:46	25.370		
21	25	16:36:57	25.182		
22	15	16:38:09	15.260		
23	5	16:39:44	5.061		
24	5	16:39:57	5.035		

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 73  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/06/2018 (HST)  
 Time: 06:00 (HST)

Rosette Position	Desired Depth	Paul D	Emma W	Tara	Mathilde	Gerianne	Julia
1	200	X					
2	175	X	X				
3	175			X			
4	150			X			
5	150	X	X				
6	135	X					
7	125	X			X		X
8	125		X				
9	125		X				
10	125			X			X
11	115	X					
12	100	X	X				
13	100			X			
14	75			X			
15	75	X	X				X
16	45		X				X
17	45			X			
18	25	X				X	X
19	25		X				
20	25		X				
21	25			X			
22	15				X		X
23	5	X	X		X	X	
24	5			X			

**NOTES:**

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 73  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/06/2018 (HST)  
 Time: 06:00 (HST)

Rosette Position	Desired Depth	Nuts 125mL	LLN 125mL	LLP 500mL	Chl	FCM	PC/PN 4L	PPO4 4L
1	200							
2	175							
3	175	3	3	3	3 (1)	3	3 (7)	3 (15)
4	150	4	4	4	4 (2)	4	4 (8)	4 (16)
5	150							
6	135							
7	125							
8	125							
9	125							
10	125	10	10	10	10 (3)	10	10 (9)	10 (1)
11	115							
12	100							
13	100	13	13	13	13 (4)	13	13 (10)	13 (2)
14	75	14	14	14	14 (5)	14	14 (11)	14 (3)
15	75							
16	45							
17	45	17	17	17	17 (6)	17	17 (12)	17 (4)
18	25							
19	25							
20	25							
21	25	21	21	21	21 (7)	21	21 (13)	21 (5)
22	15							
23	5							
24	5	24	24	24	24 (8)	24	24 (14)	24 (6)

<b>Station:74</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/6/18</b>
<b>Time Start Logging HST: 15.02</b>	<b>Time Start Logging GMT: 01.02.00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 01.00</b>
<b>End:</b>	<b>Out water: 01.42.48</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24 30.703</b>	<b>Start: 160 30.396</b>
<b>End: 24 30.837</b>	<b>End: 160 30.685</b>
<b>Max Press:</b>	<b>Operators:</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	1.22.00	174.255	✓	
2	175	1.22.37	174.466	✓	
3	150	1.24.33	149.936	✓	
4	150	1.24.51	149.745	✓	
5	125	1.26.16	125.049	✓	
6	125	1.26.35	125.095	✓	
7	DCM	1.27.39	113.267	✓	113
8	DCM	1.27.56	113.222	✓	
9	100	1.28.54	99.820	✓	
10	100	1.29.09	99.723	✓	
11	75	1.31.19	74.798	✓	
12	75	1.31.41	75.039	✓	
13	45	1.33.50	45.130	✓	
14	45	1.34.06	45.228	✓	
15	25	1.36.19	25.193	✓	
16	25	1.36.40	25.109	✓	
17	25	1.36.56	25.193	✓	
18	25	1.37.19	25.193	✓	
19	25	1.37.35	25.148	✓	
20	15	1.39.36	14.950	✓	
21	15	1.39.56	14.982	✓	
22	5	1.41.26	5.307	✓	
23	5	1.41.48	5.163	✓	
24	5	1.42.01	4.922	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 74  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/06/2018 (HST)  
 Time: 15:00 (HST)

Rosette Position	Desired Depth		Emma W	Tara		Gerianne	Julia
1	175			X			
2	175			X			
3	150			X			
4	150			X			
5	125			X			
6	125			X			
7	DCM (113)		X				
8	DCM (113)		X				
9	100			X			
10	100			X			
11	75			X			
12	75			X			
13	45			X			
14	45			X			
15	25					X	
16	25		X				
17	25		X				
18	25			X			
19	25			X			
20	15						X
21	15						X
22	5					X	
23	5			X			
24	5			X			

**NOTES:**

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 74  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/06/2018 (HST)  
 Time: 15:00 (HST)

Rosette Position	Desired Depth	Nuts 125mL	LLN 125mL	LLP 500mL	Chl	FCM	PC/PN 4L	PPO4 4L
1	175	1	1	1	1	1		
2	175						2 (7)	2 (15)
3	150	3	3	3	3	3		
4	150						4 (8)	4 (16)
5	125	5	5	5	5	5		
6	125						6 (9)	6 (1)
7	DCM (113)							
8	DCM (113)							
9	100	9	9	9	9	9		
10	100						10 (10)	10 (2)
11	75	11	11	11	11	11		
12	75						12 (11)	12 (3)
13	45	13	13	13	13	13		
14	45						14 (12)	14 (4)
15	25							
16	25							
17	25							
18	25	18	18	18	18	18		
19	25						19 (13)	19 (5)
20	15							
21	15							
22	5							
23	5	23	23	23	23	23		
24	5						24 (14)	24 (6)

<b>Station:75</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/6/18</b>
<b>Time Start Logging HST: 18.02.00</b>	<b>Time Start Logging GMT: 04.02.00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 04.01.16</b>
<b>End:</b>	<b>Out water: 04.44.23</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24 30.750</b>	<b>Start: 160 32.175</b>
<b>End: 24 30.572</b>	<b>End: 160 33.020</b>
<b>Max Press: 398</b>	<b>Operators:MD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	04.24.16	175.559	✓	
2	150	04.26.23	150.089	✓	
3	125	04.28.14	125.091	✓	
4	DCM	04.28.23	125.112	✓	125
5	100	04.29.54	100.123	✓	
6	75	04.31.53	75.487	✓	
7	45	04.34.26	45.390	✓	
8	25	04.36.36	25.51	✓	
9	25	04.36.54	25.742	✓	
10	25	04.37.18	25.793	✓	
11	25	04.37.36	25.696	✓	
12	25	04.37.47	25.449	✓	
13	25	04.37.58	25.118	✓	
14	25	04.38.10	25.313	✓	
15	25	04.38.23	25.164	✓	
16	25	04.38.33	25.313	✓	
17	25	04.38.53	25.501	✓	
18	25	04.39.05	25.644	✓	
19	25	04.39.25	25.885	✓	
20	25	04.39.43	25.839	✓	
21	25	04.40.00	25.644	✓	
22	15	04.41.42	15.110	✓	
23	15	04.41.56	15.149	✓	
24	5	04.43.11	5.252	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 75  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/06/2018 (HST)  
 Time: 18:00 (HST)

Rosette Position	Desired Depth	Julia	Gerianne	Mathilde	Sam	Kevin	
1	175	X					
2	150	X					
3	125	X				X	
4	125 (DCM)	X		X			
5	100	X					
6	75	X					
7	45	X					
8	25	X				X	
9	25				X		
10	25				X		
11	25				X		
12	25				X		
13	25				X		
14	25				X		
15	25				X		
16	25				X		
17	25				X		
18	25				X		
19	25				X		
20	25				X		
21	25		X				
22	15			X			
23	15	X					
24	5		X	X			

**NOTES:**

<b>Station:76</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST):</b>
<b>Time Start Logging HST: 12.04</b>	<b>Time Start Logging GMT: 2.04</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water:</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24 36.923</b>	<b>Start: 160 51.149</b>
<b>End:</b>	<b>End:</b>
<b>Max Press:</b>	<b>Operators:RG</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	125	12.33.20	126.186	✓	
2	125	12.33.31	126.294	✓	
3	125	12.33.54	126.713	✓	
4	125	12.34.48	127.243	✓	
5	100	12.36.37	100.618	✓	
6	100	12.36.48	100.475	✓	
7	100	12.36.59	100.092	✓	
8	100	12.37.10	99.994	✓	
9	75	12.39.31	75.888	✓	
10	75	12.39.47	75.264	✓	
11	75	12.40.04	75.069	✓	
12	75	12.40.16	75.550	✓	
13	45	12.43.13	45.493	✓	
14	45	12.43.24	45.584	✓	
15	45	12.43.51	45.441	✓	
16	45	12.44.11	45.584	✓	
17	25	12.46.40	25.649	✓	
18	25	12.46.53	25.648	✓	
19	25	12.47.11	25.070	✓	
20	25	12.47.24	25.402	✓	
21	5	12.49.53	5.708	✓	
22	5	12.50.08	5.805	✓	
23	5	12.50.26	5.805	✓	
24	5	12.50.42	5.228	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 76  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/07/2018 (HST)  
 Time: 04:00 (HST)

Rosette Position	Desired Depth	Sam W	Gerianne				
1	125	X	X				
2	125	X					
3	125	X					
4	125	X					
5	100	X					
6	100	X					
7	100	X					
8	100	X					
9	75	X	X				
10	75	X					
11	75	X					
12	75	X					
13	45	X					
14	45	X					
15	45	X					
16	45	X					
17	25	X	X				
18	25	X					
19	25	X					
20	25	X					
21	5	X	X				
22	5	X					
23	5	X					
24	5	X					

**NOTES:**

<b>Station:77</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/7/18</b>
<b>Time Start Logging HST: 05.57.12</b>	<b>Time Start Logging GMT: 15.57.12</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 15.56.40</b>
<b>End:</b>	<b>Out water: 16.43.29</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24 35.138</b>	<b>Start: 160 51.884</b>
<b>End:24 35.236</b>	<b>End: 160 52.542</b>
<b>Max Press: 400</b>	<b>Operators:MD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	16.20.54	175.069	✓	
2	150	16.23.00	150.177	✓	
3	125	16.25.10	125.141	✓	
4	DCM	16.25.21	125.578	✓	125m
5	DCM	16.25.34	125.286	✓	
6	DCM	16.25.46	125.000	✓	
7	DCM	16.25.58	125.388	✓	
8	DCM	16.26.12	125.319	✓	
9	DCM	16.26.33	125.046	✓	
10	100	16.28.46	100.007	✓	
11	75	16.30.42	75.754	✓	
12	45	16.32.02	45.262	✓	
13	25	16.35.53	25.276	✓	
14	25	16.36.30	25.470	✓	
15	25	16.36.46	25.275	✓	
16	25	16.36.51	25.176	✓	
17	25	16.37.09	25.176	✓	
18	25	16.37.26	25.033	✓	
19	25	16.37.45	25.032	✓	
20	25	16.38.05	25.414	✓	
21	25	16.38.23	25.271	✓	
22	25	16.38.36	25.024	✓	
23	15	16.39.41	15.247	✓	
24	5	16.40.55	5.380	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 77  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/07/2018 (HST)  
 Time: 06:00 (HST)

Rosette Position	Desired Depth	Tara C	Julia	Kevin	Mathilde	Rosie	Gerianne
1	175		X				
2	150		X				
3	125			X	X		
4	DCM	X					
5	DCM	X					
6	DCM	X					
7	DCM	X					
8	DCM	X					
9	DCM	X					
10	100		X				
11	75		X				
12	45		X				
13	25	X					
14	25	X					
15	25	X					
16	25	X					
17	25	X					
18	25	X					
19	25					X	
20	25					X	
21	25					X	X
22	25		X	X			
23	15				X		
24	5		X		X		X

**NOTES:**

<b>Station:78</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/7/18</b>
<b>Time Start Logging HST: 11:58</b>	<b>Time Start Logging GMT: 21:58</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 21:56:23</b>
<b>End:</b>	<b>Out water: 22:40</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.35.124</b>	<b>Start: 160.52.036</b>
<b>End:24.35.301</b>	<b>End: 160.52.335</b>
<b>Max Press: 400</b>	<b>Operators:ND</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	200	22:15:40	200.126	✓	
2	200	22:15:58	200.322	✓	
3	200	22:16:13	200.028	✓	
4	175	22:17:32	175.020	✓	
5	175	22:17:44	175.027	✓	
6	175	22:18:03	175.411	✓	
7	150	22:19:30	150.029	✓	
8	150	22:19:50	150.082	✓	
9	150	22:20:07	150.174	✓	
10	125	22:21:50	125.189	✓	
11	115	22:23:03	115.093	✓	DCM + 15
12	110	22:24:59	110.291	✓	DCM + 10
13	105	22:25:50	105.244	✓	DCM + 5
14	100	22:27:00	100.301	✓	DCM
15	100	22:27:11	100.060	✓	DCM
16	95	22:28:32	95.013	✓	DCM - 5
17	90	22:29:40	90.980	✓	DCM - 10
18	85	22:30:41	85.120	✓	DCM - 15
19	75	22:32:03	75.997	✓	
20	45	22:34:08	45.550	✓	
21	25	22:35:39	25.136	✓	
22	15	22:37:39	15.366	✓	
23	5	22:38:50	5.105	✓	
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 78  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/07/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth		Julia	Mathilde	Paul	Morgan
1	200				x	
2	200					x
3	200					x
4	175					x
5	175					x
6	175		x		x	
7	150					x
8	150					x
9	150		x		x	
10	125		x		x	
11	115	<b>DCM+15</b>			x	
12	110	<b>DCM+10</b>			x	
13	105	<b>DCM+5</b>			x	
14	100		x			
15	<b>DCM</b>			x	X	
16	95	<b>DCM-5</b>			X	
17	90	<b>DCM-10</b>			X	
18	85	<b>DCM-15</b>			X	
19	75		x		X	
20	45		x		X	
21	25		x		X	
22	15		x	x	X	
23	5			x		
24						

**Notes:**  
**DCM Depth:**

<b>Station:79</b>	<b>Cast:1</b>
<b>Bottom (m):</b>	<b>Date (HST): 4/8/18</b>
<b>Time Start Logging HST: 16:04:20</b>	<b>Time Start Logging GMT: 02:04:20</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 02:03:20</b>
<b>End:</b>	<b>Out water: 02:50:10</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.34.222</b>	<b>Start: 160.51.923</b>
<b>End:24.34.468</b>	<b>End: 160.52.342</b>
<b>Max Press: 400</b>	<b>Operators:ND</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	400	02:17:50	400.022	✓	
2	300	02:21:03	300.037	✓	
3	250	02:23:09	250.029	✓	
4	200	02:24:39	200.452	✓	
5	175	02:26:26	175.041	✓	
6	150	02:27:50	150.026	✓	
7	125	02:29:47	125.039	✓	
8	100	02:31:19	100.147	✓	DCM=104 m
9	75	02:33:17	75.081	✓	
10	70	02:35:09	70.000	✓	
11	65	02:36:19	65.393	✓	
12	60	02:37:30	59.948	✓	
13	55	02:38:30	55.100	✓	
14	45	02:40:57	44.789	✓	
15	40	02:42:19	40.143	✓	
16	25	02:42:42	25.000	✓	
17	25	02:44:09	25.189	✓	
18	25	02:44:31	25.097	✓	
19	25	02:44:51	25.052	✓	
20	25	02:45:12	24.999	✓	
21	25	02:45:39	24.999	✓	
22	25	02:46:09	25.097	✓	
23	25	02:46:39	25.337	✓	
24	5	02:48:29	5.067		

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 79  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/07/2018 (HST)  
 Time: 16:00 (HST)

Rosette Position	Desired Depth	Gerianne	Sam W			
1	400	X				
2	300	X				
3	250	X				
4	200	X				
5	175	X				
6	150	X				
7	125	X				
8	100	X				
9	75	X				
10	70	X				
11	65	X				
12	60	X				
13	55	X				
14	45	X				
15	40	X				
16	25	X				
17	25		X			
18	25		X			
19	25		X			
20	25		X			
21	25		X			
22	25		X			
23	25		X			
24	5	X				

**Notes:**  
**DCM Depth: 104M**

<b>Station:80</b>	<b>Cast:1</b>
<b>Bottom (m): 3916</b>	<b>Date (HST): 4/8/18</b>
<b>Time Start Logging HST: 18:14:00</b>	<b>Time Start Logging GMT: 04:14:00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 04:13:00</b>
<b>End:</b>	<b>Out water: 04:54:00</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.34.927</b>	<b>Start: 160.52.930</b>
<b>End:24.35.273</b>	<b>End: 160.53.241</b>
<b>Max Press: 402</b>	<b>Operators:ND</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	04:35:36	175.180	✓	
2	150	04:36:30	150.341	✓	
3	125	04:38:06	125.261	✓	
4	120	04:39:00	120.481	✓	
5	120	04:39:21	120.019	✓	
6	120	04:39:38	120.066	✓	
7	120	04:39:51	120.535	✓	
8	120	04:40:10	120.023	✓	DCM=120 m
9	120	04:40:21	120.310	✓	
10	100	04:41:36	100.226	✓	
11	75	04:44:09	75.304	✓	
12	45	04:45:56	45.004	✓	
13	25	04:47:27	25.411	✓	
14	25	04:47:49	25.223	✓	
15	25	04:48:08	25.464	✓	
16	25	04:48:25	24.465	✓	
17	25	04:48:37	24.465	✓	
18	25	04:48:49	25.640	✓	
19	25	04:49:05	25.459	✓	
20	25	04:49:15	25.685	✓	
21	25	04:49:55	25.621	✓	
22	25	04:50:11	25.264	✓	
23	15	04:51:30	15.555	✓	
24	5	04:53:42	5.396	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 80  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/07/2018 (HST)  
 Time: 18:00 (HST)

Rosette Position	Desired Depth	Tara C	Julia	Kevin	Mathilde	Rosie	Gerianne
1	175		X				
2	150		X				
3	125		X	X			
4	DCM	X					
5	DCM	X					
6	DCM	X					
7	DCM	X					
8	DCM	X					
9	DCM	X	X				
10	100				X		
11	75		X				
12	45		X				
13	25	X					
14	25	X					
15	25	X					
16	25	X					
17	25	X					
18	25	X					
19	25					X	
20	25					X	
21	25					X	X
22	25		X	X			
23	15		X		X		
24	5				X		X

**NOTES:**

<b>Station:81</b>	<b>Cast:1</b>
<b>Bottom (m): 3916</b>	<b>Date (HST): 4/8/18</b>
<b>Time Start Logging HST: 02:01:00</b>	<b>Time Start Logging GMT: 12:01:00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 12:00:00</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.32.377</b>	<b>Start: 160.46.190</b>
<b>End:24.32.388</b>	<b>End: 160.46.429</b>
<b>Max Press:</b>	<b>Operators:JW,GT</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	125	12:29:05	125.121	✓	
2	125	12:29:29	124.750	✓	
3	125	12:29:46	125.089	✓	
4	125	12:30:18	124.948	✓	
5	115	12:31:26	115.386	✓	DCM=115 m
6	100	12:32:53	100.345	✓	
7	100	12:33:09	100.202	✓	
8	100	12:33:22	100.014	✓	
9	75	12:35:18	75.090	✓	
10	75	12:35:43	75.091	✓	
11	75	12:36:05	74.851	✓	
12	75	12:36:28	75.137	✓	
13	50	12:38:31	50.112	✓	
14	45	12:39:29	45.183	✓	
15	45	12:39:45	45.313	✓	
16	45	12:40:16	45.171	✓	
17	25	12:42:59	25.242	✓	
18	25	12:43:17	25.105	✓	
19	25	12:43:30	24.956	✓	
20	15	12:44:50	15.040	✓	
21	15	12:45:10	15.001	✓	
22	5	12:46:53	4.981	✓	
23	5	12:47:23	5.383	✓	
24	5	12:47:40	5.409	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 81  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/08/2018 (HST)  
 Time: 02:00 (HST)

Rosette Position	Desired Depth	Gerianne	Morgan	Julia
1	125		X	
2	125	X		
3	125	X		
4	125	X		
5	DCM		X	
6	100	X		
7	100	X		
8	100	X		
9	75	X		
10	75	X		
11	75	X		
12	75		X	
13	50		X	
14	45	X		
15	45	X		
16	45	X		
17	25	X		
18	25	X		
19	25	X		
20	15			X
21	15		X	
22	5	X		
23	5	X		
24	5	X		

**NOTES:**

<b>Station:82</b>	<b>Cast:1</b>
<b>Bottom (m): 4776</b>	<b>Date (HST): 4/8/18</b>
<b>Time Start Logging HST: 06:04:25</b>	<b>Time Start Logging GMT: 16:04:25</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 16:03:50</b>
<b>End:</b>	<b>Out water: 16:49:50</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.31.945</b>	<b>Start: 160.46.244</b>
<b>End:24.32.037</b>	<b>End: 160.46.679</b>
<b>Max Press:</b>	<b>Operators:JW,GT</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	16:28:29	175.151	✓	
2	150	16:30:19	150.058	✓	
3	125	16:33:17	125.072	✓	
4	125	16:33:38	125.073	✓	
5	118	16:34:50	118.005	✓	DCM=118 m
6	100	16:36:19	100.179	✓	
7	75	16:38:14	75.019	✓	
8	45	16:40:43	45.047	✓	
9	45	16:41:07	45.046	✓	
10	25	16:43:13	25.164	✓	
11	25	16:43:30	25.020	✓	
12	25	16:43:38	25.208	✓	
13	25	16:44:04	25.020	✓	
14	25	16:44:16	25.208	✓	
15	25	16:44:33	25.065	✓	
16	15	16:45:39	15.282	✓	
17	5	16:47:24	5.148	✓	
18	5	16:47:46	5.370	✓	
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 82  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/08/2018 (HST)  
 Time: 06:00 (HST)

Rosette Position	Desired Depth	Gerianne T	Kevin B	Mathilde D	RG	Julia W	
1	175					x	
2	150					x	
3	125		x				
4	125					x	
5	DCM			x			
6	100					x	
7	75					x	
8	45					x	
9	45						
10	25		x				
11	25	x					
12	25					x	
13	25				x		
14	25				x		
15	25				x		
16	15			x		x	
17	5	x					
18	5			x			
19							
20							
21							
22							
23							
24							

**Notes:**  
**DCM Depth:**

<b>Station:83</b>	<b>Cast:1</b>
<b>Bottom (m): 4782</b>	<b>Date (HST): 4/8/18</b>
<b>Time Start Logging HST: 07:50:00</b>	<b>Time Start Logging GMT: 17:50:00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 16:03:50</b>
<b>End:</b>	<b>Out water: 16:49:50</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.32.022</b>	<b>Start: 160.47.173</b>
<b>End:24.32.039</b>	<b>End: 160.47.361</b>
<b>Max Press:</b>	<b>Operators:GT</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	129	18:14:52	129.3	✓	DCM
2	129	18:15:08	129.3	✓	DCM
3	115	18:16:39	115.0	✓	
4	115	18:16:59	115.0	✓	
5	100	18:18:14	100.2	✓	
6	100	18:18:38	100.1	✓	
7	85	18:19:08	85.1	✓	
8	85	18:20:07	85.2	✓	
9	75	18:21:08	75.0	✓	
10	75	18:21:20	75.1	✓	
11	60	18:22:39	60.3	✓	
12	60	18:22:39	60.2	✓	
13	45	18:23:48	44.8	✓	
14	45	18:23:48	45.0	✓	
15	25	18:26:29	25.2	✓	
16	25	18:26:29	25.1	✓	
17	15	18:28:03	15.0	✓	
18	15	18:28:27	15.1	✓	
19	5	18:30:05	5.2	✓	
20	5	18:30:05	5.0	✓	
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 83

Date: 04/08/2018 (HST)

Cast # 1

Time: 08:00 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Rosie G				
1	129	X				
2	129	X				
3	115	X				
4	115	X				
5	100	X				
6	100	X				
7	85	X				
8	85	X				
9	75	X				
10	75	X				
11	60	X				
12	60	X				
13	45	X				
14	45	X				
15	25	X				
16	25	X				
17	15	X				
18	15	X				
19	5	X				
20	5	X				
21						
22						
23						
24						

**Notes:**  
**DCM Depth:**

<b>Station:84</b>	<b>Cast:1</b>
<b>Bottom (m): 3971</b>	<b>Date (HST): 4/8/18</b>
<b>Time Start Logging HST: 11:59:30</b>	<b>Time Start Logging GMT: 21:59:30</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 21:59:30</b>
<b>End:</b>	<b>Out water:</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.33.5438</b>	<b>Start: 160.50.6582</b>
<b>End:24.33.5438</b>	<b>End: 160.50.6582</b>
<b>Max Press:</b>	<b>Operators: PD, Karl</b>

CTD	Comments:
<b>Owned by:</b> SOI	

Niskin	Target (m)	Time GMT Stopped	Pressure	Confirm Trip ✓	Comments
1	250	22:20:06	250	✓	
2	250	22:20:34	250	✓	
3	250	22:20:56	250	✓	
4	250	22:21:20	250	✓	
5	250	22:21:46	250	✓	
6	250	22:22:07	250	✓	
7	250	22:22:09	250	✓	
8	250	22:22:45	250	✓	
9	250	22:23:09	250	✓	
10	250	22:23:46	250	✓	
11	114	22:29:09	114	✓	DCM=114 m
12	114	22:29:21	114	✓	
13	114	22:29:42	114	✓	
14	114	22:30:06	114	✓	
15	114	22:30:46	114	✓	
16	114	22:31:18	114	✓	
17	25	22:37:38	25	✓	
18	25	22:37:52	25	✓	
19	25	22:38:11	25	✓	
20	25	22:38:30	25	✓	
21	25	22:38:52	25	✓	
22	25	22:39:09	25	✓	
23	15	22:40:46	15	✓	
24	5	22:42:35	5	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 84  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/08/2018 (HST)  
 Time: 12:00 (HST)

Rosette Position	Desired Depth	Tara (Dyhrman)	Paul	Matilde		
1	250		X			
2	250		X			
3	250		X			
4	250		X			
5	250		X			
6	250		X			
7	250		X			
8	250		X			
9	250		X			
10	250		X			
11	DCM	X				
12	DCM	X				
13	DCM	X				
14	DCM	X				
15	DCM	X				
16	DCM	X		X		
17	25	X				
18	25	X				
19	25	X				
20	25	X				
21	25	X				
22	25	X				
23	15			X		
24	5			X		

**Notes:**  
**DCM Depth:**

<b>Station:85</b>	<b>Cast:1</b>
<b>Bottom (m): 47641</b>	<b>Date (HST): 4/8/18</b>
<b>Time Start Logging HST: 15:03:30</b>	<b>Time Start Logging GMT: 01:03:30</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 01:03:30</b>
<b>End:</b>	<b>Out water: 02:05:30</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start:24.28.32</b>	<b>Start: 160.48.028</b>
<b>End:24.28.434</b>	<b>End: 160.48.051</b>
<b>Max Press: 1000</b>	<b>Operators: SOI, TC,TB</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	1000	01:28:45	1000.549	✓	
2	1000	01:28:58	1000.548	✓	
3	1000	01:28:17	1000.750	✓	
4	1000	01:29:30	1000.941	✓	
5	1000	01:29:41	1000.508	✓	
6	250	01:48:10	250.3	✓	
7	250	01:48:32	250.3	✓	
8	250	01:48:46	249.8	✓	
9	250	01:49:01	250.8	✓	
10	250	01:49:13	250.2	✓	
11	150	01:53:26	149.5	✓	
12	150	01:53:44	149.2	✓	
13	150	01:54:00	149.4	✓	
14	150	01:54:17	149.8	✓	
15	150	01:54:33	149.7	✓	
16	122	01:56:23	121.7	✓	DCM=122 m
17	122	01:56:36	122.2	✓	
18	122	01:56:53	122.1	✓	
19	122	01:56:12	122.4	✓	
20	25	01:02:40	25.4	✓	
21	25	02:02:56	25.3	✓	
22	25	02:03:14	25.1	✓	
23	25	02:03:34	25.3	✓	
24	25	02:03:54	25.1	✓	

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 85

Date: 04/08/2018 (HST)

Cast # 1

Time: 15:00 (HST)

Operator(s): \_\_\_\_\_

Rosette Position	Desired Depth	Tara (Caron)				
1	1000	X				
2	1000	X				
3	1000	X				
4	1000	X				
5	1000	X				
6	250	X				
7	250	X				
8	250	X				
9	250	X				
10	250	X				
11	150	X				
12	150	X				
13	150	X				
14	150	X				
15	150	X				
16	DCM	X				
17	DCM	X				
18	DCM	X				
19	DCM	X				
20	25	X				
21	25	X				
22	25	X				
23	25	X				
24	25	X				

**Notes:**  
**DCM Depth:**

<b>Station: 86</b>	<b>Cast: 1</b>
<b>Bottom (m): 4765</b>	<b>Date (HST): 04/08/18</b>
<b>Time Start Logging HST: 18:02:00</b>	<b>Time Start Logging GMT: 04:02:00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start:</b>	<b>In water: 04:00:05</b>
<b>End:</b>	<b>Out water: 04:44:14</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 24o26.809</b>	<b>Start: 160o45.725</b>
<b>End: 24o26.540</b>	<b>End: 160o45.742</b>
<b>Max Press:</b>	<b>Operators: MD</b>

<b>CTD</b>	<b>Comments:</b>
<b>Owned by:</b> SOI	

<b>Niskin</b>	<b>Target (m)</b>	<b>Time GMT Stopped</b>	<b>Pressure</b>	<b>Confirm Trip ✓</b>	<b>Comments</b>
1	175	04:21:18	175.041		
2	150	04:23:11	150.003		
3	125	04:25:05	125.056		
4	125	04:25:43	125.056		
5	120	04:26:52	120.059		DCM=120m
6	100	04:28:02	100.070		
7	75	04:31:01	75.061		
8	45	04:32:58	45.031		
9	45	04:33:19	45.031		
10	25	04:34:43	25.036		
11	25	04:35:02	25.094		
12	25	04:35:31	25.094		
13	25	04:36:36	25.041		
14	25	04:36:45	25.040		
15	25	04:36:58	25.092		
16	15	04:37:56	15.068		
17	5	04:39:42	5.070		
18	5	04:40:11	5.005		
19					
20					
21					
22					
23					
24					

# FALKOR Leg II

## FK180310

### Station Data Sheet

Station # 86  
 Cast # 1  
 Operator(s): \_\_\_\_\_

Date: 04/08/2018 (HST)  
 Time: 18:00 (HST)

Rosette Position	Desired Depth	Gerianne T	Kevin B	Mathilde D	RG	Julia W	
1	175					x	
2	150					x	
3	125		x				
4	125					x	
5	DCM			x			
6	100					x	
7	75					x	
8	45					x	
9	45						
10	25		x				
11	25	x					
12	25					x	
13	25				x		
14	25				x		
15	25				x		
16	15			x		x	
17	5	x					
18	5			x			
19							
20							
21							
22							
23							
24							

**Notes:**  
**DCM Depth:**