

KOK1806

HOT-LAVA

CTD CAST Logsheets

Station: 1	Cast: 1
Bottom (m): 1870	Date (GMT): 7/14/18
Time Start Logging HST: 1450	Time Start Logging GMT: 00:50:50
Pressure on deck	Time GMT
Start: 0	In water: 0051
End: 0	Out water: 0128
Latitude N	Longitude W
Start: 19o 26.8	Start: 154o 45.7
End: 19o 26.2	End: 154o 45.5
Max Press: 401	Operators: BW, GF

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	1:09:04	126		
2	125	1:10:29	125		
3	125	1:10:50	125		
4	100	1:12:01	100		
5	100	1:12:17	100		
6	100	1:12:30	100		
7	100	1:12:52	100		
8	75	1:14:25	74.9		
9	75	1:16:00	75.0		
10	75	1:16:00	75.1		
11	75	1:16:00	75.1		
12	45	1:18:00	45.2		
13	45	1:18:00	45.3		
14	45	1:19:00	45.4		
15	45	1:19:00	45.3		
16	25	1:20:00	25.8		
17	25	1:20:00	25.8		
18	25	1:20:00	26.6		
19	25	1:21:00	26.3		
20	5	1:22:00	6.1		
21					
22	5	1:22:00	6.6		
23	5	1:23:00	6.7		
24	5	1:23:00	6.9		

Coastal stations SCOPE KOK1806 Sample Data Sheet

Station/Cast #: Stn 1 Cast 1

Date: _____ (HS)

Target Depth (db): 400

CTD Start _____ (HS)

Rosette Position	Depth (m)	PC/PN PPO4	DIC/pH Chla, FCM, Nuts	Cells (Mathu)	HPLC (Ryan-Ricardo)	Diss. H2 (Sam)	AFDW (Rhea)	O2-prod (Sara)	DNA (Alice)	nifH (Tim-Jon)	ATP (Karin)
1	125					X	X		X		X
2	125		X	X	X						
3	125	X									
4	100								X		X
5	100					X	X				
6	100		X	X	X						
7	100	X									
8	75								X	X	X
9	75					X	X				
10	75		X	X	X						
11	75	X									
12	45								X	X	X
13	45					X	X				
14	45		X	X	X						
15	45	X									
16	25								X	X	X
17	25					X	X				
18	25		X	X	X						
19	25	X									
20	5								X	X	X
21											
22	5					X	X	X			
23	5		X	X	X						
24	5	X									

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HOT-LAVA

CTD CAST Logsheets

Station: 2	Cast: 1
Bottom (m): 890	Date (GMT): 7/14/18
Time Start Logging HST: 23:57:00	Time Start Logging GMT: 03:57:00
Pressure on deck	Time GMT
Start: 0.16	In water: 03:59:00
End:	Out water:
Latitude N	Longitude W
Start: 19o 26.95	Start: 154o 49.28
End:	End:
Max Press:	Operators:

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	04:25:00	125		
2	125	04:25:00	125.7		
3	125	04:25:00	125.1		
4	100	04:27:00	101		
5	100	04:27:00	100.5		
6	100	04:28:00	100.8		
7	100	04:29:00	100.9		
8	75	04:30:00	75.5		
9	75	04:30:00	75.3		
10	75	04:31:00	75.8		
11	75	04:31:00	75.1		
12	45	04:32:00	45.1		
13	45	04:33:00	45.2		
14	45	04:33:00	45.6		
15	45	04:33:00	45.3		
16	25	04:35:00	26.0		
17	25	04:35:00	26.2		
18	25	04:35:00	25.7		
19	25	04:35:00	25.9		
20	5	04:37:00	5.8		
21					
22	5	04:37:00	5.9		
23	5	04:37:00	5.9		
24	5	04:37:00	5.8		

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HOT-LAVA

CTD CAST Logsheets

Station: 2	Cast: 2
Bottom (m): 881	Date (GMT): 7/14/18
Time Start Logging HST:	Time Start Logging GMT: 06:30:00
Pressure on deck	Time GMT
Start: 0	In water: 06:31:00
End: 0	Out water:
Latitude N	Longitude W
Start: 19o 26.82	Start: 154o 49.2
End:	End:
Max Press:	Operators: BW, GF

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	75	06:57:00	75.2		
2	45	06:58:00	45.3		
3	25	06:59:00	25.4		
4	5	07:00:00	5.0		
5	5	07:00:00	5.0		
6	5	07:00:00	5.0		
7	5	07:00:00	5.0		
8	5	07:00:00	5.0		
9	5	07:00:00	5.0		
10	5	07:00:00	5.0		
11	5	07:00:00	5.0		
12	5	07:00:00	5.0		
13	5	07:00:00	5.0		
14	5	07:00:00	5.0		
15	5	07:00:00	5.0		
16	5	07:00:00	5.0		
17	5	07:00:00	5.0		
18	5	07:00:00	5.0		
19	5	07:00:00	5.0		
20	5	07:00:00	5.0		
21					
22	5	07:00:00	5.0		
23	5	07:00:00	5.0		
24	5	07:00:00	5.0		

Coastal Stations: SCOPE KOK1806 SAMPLE Data SheetStation/Cast #: Stn 2 Cast 2 Date: _____ (HST)Target Depth (db): 400 CTD Start Time: _____ (HST)

Rosette Position	Depth (m)	Proteins (Angie)	Euk RNA (Tim-Sonya)	Euk RNA (Sam-Ginger)	Rates N2 fix (Sam) O2 (Sara)	Tricho clades (Tim-Sonya)	Microscope	C-P lyase (Oscar)
1	75					X		
2	45					X		
3	25					X		
4	5				X			
5	5				X			
6	5				X			
7	5			X				
8	5			X				
9	5		X					
10	5		X					
11	5		X					
12	5		X					
13	5		X					
14	5		X					
15	5	X						
16	5	X						
17	5	X						
18	5	X						
19	5	X						
20	5	X						
21								
22	5					X		
23	5						X	
24	5							X

Notes:

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HOT-LAVA

CTD CAST Logsheets

Station: 3	Cast: 1
Bottom (m): 1542	Date (GMT): 7/14/18
Time Start Logging HST: 05:07:00	Time Start Logging GMT: 15:09:00
Pressure on deck	Time GMT
Start: 0.23	In water: 15:09:00
End: 0.19	Out water: 15:36:00
Latitude N	Longitude W
Start: 19o 25.34	Start: 154o 48.57
End: 19o 25.12	End: 154o 48.281
Max Press: 405	Operators: GF

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	15:26:00	127		
2	125	15:26:00	127		
3	125	15:26:00	127		
4	125	15:26:00	127		
5	100	15:27:00	100.9		
6	100	15:27:00	100.9		
7	100	15:27:00	100.9		
8	100	15:27:00	100.9		
9	75	15:29:00	74.3		
10	75	15:29:00	74.3		
11	75	15:29:00	74.3		
12	75	15:29:00	74.3		
13	45	15:30:00	45.0		
14	45	15:30:00	45.0		
15	45	15:30:00	45.0		
16	45	15:30:00	45.0		
17	25	15:32:00	25.6		
18	25	15:32:00	25.6		
19	25	15:32:00	25.6		
20	25	15:32:00	25.6		
21					
22	5	15:34:00	4.9		
23	5	15:34:00	4.9		
24	5	15:34:00	4.9		

Coastal stations SCOPE KOK1806 Sample Data Sheet

Station/Cast #: Stn3 Cast 1

Date:

Target Depth (db):

CTD

Rosette Position	Depth (m)	PC/PN PPO4	DIC/pH HPLC (last)	Chla, FCM, Nuts	Diss. H2 (Sam)	O2-prod (Sara)		
1	125				X	X		
2	125			X				
3	125		X					
4	125	X						
5	100				X	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	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							
22	5				X	X		
23	5		X	X				
24	5	X						

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HOT-LAVA

CTD CAST Logsheets

Station: 3	Cast: 2
Bottom (m): 1542	Date (GMT): 7/14/18
Time Start Logging HST: 06:48:00	Time Start Logging GMT: 16:46:00
Pressure on deck	Time GMT
Start: 0.1	In water: 16:48:00
End:	Out water: 17:14:00
Latitude N	Longitude W
Start: 19o 25.57	Start: 154o 48.61
End:	End:
Max Press: 403	Operators: GF

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	17:04:00	126.5		
2	125	17:04:00	126.5		
3	125	17:04:00	126.5		
4	125	17:04:00	126.5		
5	100	17:06:00	101.0		
6	100	17:06:00	101.0		
7	100	17:06:00	101.0		
8	100	17:06:00	101.0		
9	75	17:08:00	75.0		
10	75	17:08:00	75.0		
11	75	17:08:00	75.0		
12	75	17:08:00	75.0		
13	45	17:09:00	45.7		
14	45	17:09:00	45.7		
15	45	17:09:00	45.7		
16	45	17:09:00	45.7		
17	25	17:10:00	25.3		
18	25	17:10:00	25.3		
19	25	17:10:00	25.3		
20	25	17:10:00	25.3		
21					
22	5	17:12:00	4.8		
23	5	17:12:00	4.8		
24	5	17:12:00	4.8		

Coastal stations SCOPE KOK1806 Sample Data SheetStation/Cast #: Stn 3 Cast 2

Date: (HS

Target Depth (db): 400

CTD Start (HS

Rosette Position	Depth (m)	AFDW (Rhea)	HPLC (Ryan-Ricardo)	Cells (Mathu)	DNA (Alice)	nifH (Tim-Jon)	ATP (Karin)
1	125						X
2	125				X	X	
3	125		X	X			
4	125	X					
5	100						X
6	100				X	X	
7	100		X	X			
8	100	X					
9	75						X
10	75				X	X	
11	75		X	X			
12	75	X					
13	45						X
14	45				X	X	
15	45		X	X			
16	45	X					
17	25						X
18	25				X	X	
19	25		X	X			
20	25	X					
21	5						
22	5				X	X	
23	5		X	X			X
24	5	X					

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HOT-LAVA

CTD CAST Logsheets

Station: 4	Cast: 1
Bottom (m):	Date (GMT): 7/14/18
Time Start Logging HST: 11:00:00	Time Start Logging GMT: 21:00:00
Pressure on deck	Time GMT
Start:	In water: 21:03:00
End:	Out water:
Latitude N	Longitude W
Start: 19o 22.37	Start: 154o 42.48
End:	End:
Max Press: 403	Operators: GF, BW

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	21:23:00	126.0		
2	125	21:23:00	126.0		
3	125	21:23:00	126.0		
4	100	21:25:00	100.6		
5	100	21:25:00	100.6		
6	100	21:25:00	100.6		
7	100	21:25:00	100.6		
8	75	21:28:00	75.5		
9	75	21:28:00	75.5		
10	75	21:28:00	75.5		
11	75	21:28:00	75.5		
12	45	21:29:00	45.2		
13	45	21:29:00	45.2		
14	45	21:29:00	45.2		
15	25	21:30:00	25.0		
16	25	21:30:00	25.0		
17	25	21:30:00	25.0		
18	25	21:30:00	25.0		
19	25	21:30:00	25.0		
20	5	21:33:00	5.4		
21					
22	5	21:33:00	5.4		
23	5	21:33:00	5.4		
24	5	21:33:00	5.4		

KOK1806

HOT-LAVA

CTD CAST Logsheet

Station: 4	Cast: 2
Bottom (m):	Date (GMT): 7/14/18
Time Start Logging HST:	Time Start Logging GMT: 22:56:00
Pressure on deck	Time GMT
Start:	In water: 22:55:00
End:	Out water: 23:24:00
Latitude N	Longitude W
Start: 19o 22.94	Start: 154o 40.67
End: 19o 23.03	End: 154o 40.23
Max Press: 404	Operators: BW

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	75	23:13:00	75.6		
2	45	23:15:00	45.0		
3	45	23:16:00	45.3		
4	25	23:17:00	25.0		
5	5	23:18:00	5.0		
6	5	23:18:00	5.0		
7	5	23:18:00	5.0		
8	5	23:18:00	5.0		
9	5	23:18:00	5.0		
10	5	23:19:00	5.0		
11	5	23:19:00	5.0		
12	5	23:19:00	5.0		
13	5	23:19:00	5.0		
14	5	23:19:00	5.0		
15	5	23:19:00	5.0		
16	5	23:20:00	5.0		
17	5	23:20:00	5.0		
18	5	23:20:00	5.0		
19	5	23:20:00	5.0		
20	5	23:20:00	5.0		
21					
22	5	23:21:00	5.0		
23	5	23:21:00	5.0		
24	5	23:21:00	5.0		

Coastal Stations: SCOPE KOK1806 SAMPLE Data SheetStation/Cast #: Stn 4 Cast 2 Date: _____ (HST)Target Depth (db): 400 CTD Start Time: _____ (HST)

Rosette Position	Depth (m)	Proteins (Angie)	Euk RNA (Tim-Sonya)	Euk RNA (Sam-Ginger)	Rates N2 fix (Sam) O2 (Sara)	Tricho clades (Tim-Sonya)	Microscope	PPO4/PCP N
1	75					X		
2	45					X		
3	45							X
4	25					X		
5	5				X			
6	5				X			
7	5				X			
8	5			X				
9	5			X				
10	5		X					
11	5		X					
12	5		X					
13	5		X					
14	5		X					
15	5		X					
16	5	X						
17	5	X						
18	5	X						
19	5	X						
20	5	X						
21								
22	5	X						
23	5					X		
24	5						X	

Notes:

KOK1806

HOT-LAVA

CTD CAST Logsheets

Station: 5	Cast: 1
Bottom (m):	Date (GMT): 7/15/18
Time Start Logging HST: 08:07:00	Time Start Logging GMT: 06:07:00
Pressure on deck	Time GMT
Start:	In water:
End:	Out water:
Latitude N	Longitude W
Start: 19o 5.957	Start: 154o 30.343
End: 19o 6.015	End: 154o 30.190
Max Press: 403	Operators: GF

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	06:29:00	125		
2	125	06:29:00	125		
3	125	06:29:00	125		
4	100	06:31:00	100		
5	100	06:31:00	100		
6	100	06:31:00	100		
7	75	06:32:00	75.1		
8	75	06:32:00	75.1		
9	75	06:32:00	75.1		
10	75	06:32:00	75.1		
11	45	06:34:00	45.6		
12	45	06:34:00	45.6		
13	45	06:34:00	45.6		
14	45	06:34:00	45.6		
15	25	06:36:00	25.5		
16	25	06:36:00	25.5		
17	25	06:36:00	25.5		
18	25	06:36:00	25.5		
19	5	06:38:00	5.4		
20	5	06:38:00	5.4		
21					
22	5	06:38:00	5.4		
23	5	06:38:00	5.4		
24	5	06:38:00	5.4		

Coastal stations SCOPE KOK1806 Sample Data Sheet

Station/Cast #: Stn5 Cast 1

Date:

Target Depth (db):

CTD

Rosette Position	Depth (m)	PC/PN PPO4	DIC/pH HPLC (last)	Chla, FCM, Nuts	Diss. H2 (Sam)	O2-prod (Sara)	Metabolites (Angie)
1	125				X	X	
2	125		X	X			
3	125	X					
4	100				X	X	
5	100		X	X			
6	100	X					
7	75				X	X	
8	75			X			
9	75		X				
10	75	X					
11	45				X	X	
12	45			X			
13	45		X				
14	45	X					
15	25				X	X	
16	25			X			
17	25		X				
18	25	X					
19	5						X
20	5						X
21	5						
22	5				X	X	
23	5		X	X			
24	5	X					

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HOT-LAVA

CTD CAST Logsheet

Station: 5	Cast: 2
Bottom (m):	Date (GMT): 7/15/18
Time Start Logging HST: 09:39:00	Time Start Logging GMT: 07:39:00
Pressure on deck	Time GMT
Start: 0.3 End: 0.141	In water: 07:39:00 Out water: 08:12:00
Latitude N	Longitude W
Start: 19o 6.9 End: 19o 7.31	Start: 154o 29.873 End: 154o 29.78
Max Press: 404	Operators: GF

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	07:59:00	126		
2	125	07:59:00	126		
3	125	07:59:00	126		
4	125	07:59:00	126		
5	100	08:00:00	100.6		
6	100	08:00:00	100.6		
7	100	08:00:00	100.6		
8	100	08:00:00	100.6		
9	75	08:02:00	75.9		
10	75	08:02:00	75.9		
11	75	08:02:00	75.9		
12	75	08:02:00	75.9		
13	45	08:04:00	45.3		
14	45	08:04:00	45.3		
15	45	08:04:00	45.3		
16	45	08:04:00	45.3		
17	25	08:06:00	25.1		
18	25	08:06:00	25.1		
19	25	08:06:00	25.1		
20	25	08:06:00	25.1		
21					
22	5	08:08:00	5.1		
23	5	08:08:00	5.1		
24	5	08:08:00	5.1		

Coastal stations SCOPE KOK1806 Sample Data SheetStation/Cast #: Stn 5 Cast 2

Date: (HS

Target Depth (db): 400

CTD Start (HS

Rosette Position	Depth (m)	AFDW (Rhea)	HPLC (Ryan-Ricardo)	Cells (Mathu)	DNA (Alice)	nifH (Tim-Jon)	ATP (Karin)
1	125						X
2	125				X	X	
3	125		X	X			
4	125	X					
5	100						X
6	100				X	X	
7	100		X	X			
8	100	X					
9	75						X
10	75				X	X	
11	75		X	X			
12	75	X					
13	45						X
14	45				X	X	
15	45		X	X			
16	45	X					
17	25						X
18	25				X	X	
19	25		X	X			
20	25	X					
21	5						
22	5				X	X	
23	5		X	X			X
24	5	X					

KOK1806

HOT-LAVA

CTD CAST Logsheets

Station: 6	Cast: 1
Bottom (m): 5300	Date (GMT): 7/15/18
Time Start Logging HST:	Time Start Logging GMT: 14:10:00
Pressure on deck	Time GMT
Start: 0.1	In water: 14:11:00
End: 0.1	Out water: 15:15:00
Latitude N	Longitude W
Start: 18o 41.91	Start: 154o 31.74
End: 18o 41.93	End: 154o 31.72
Max Press: 1009	Operators: BW

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by:	
OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	1000	14:41:00	1000		
2	770	14:48:00	770		
3	700	14:50:00	700		
4	600	14:53:00	600		
5	500	14:55:00	500		
6	400	14:58:00	400		
7	300	15:01:00	300		
8	200	15:03:00	200		
9	175	15:05:00	175		
10	150	15:06:00	150		
11	125	15:07:00	125		
12	100	15:08:00	100		
13	75	15:09:00	75		
14	45	15:10:00	45		
15	25	15:11:00	25		
16	5	15:12:00	5		
17	5	15:12:00	5		
18	5	15:12:00	5		
19	5	15:13:00	5		
20	5	15:13:00	5		
21					
22	5	15:13:00	5		
23	5	15:13:00	5		
24	5	15:13:00	5		

Deep cast 1000 m : SCOPE KOK1806 O2 sensor calibrationStation/Cast #: Stn 6 Cast 1 Date: _____ (HST)Target Depth (db): 1000 CTD Start Time: _____ (HST)

Rosette Position	Depth (m)	O2 temp	O2	O2prod Sara	N2fix Sam		
1	1000		73,74,75				
2	770		76,77,78				
3	700		79,80,81				
4	600		82,83,84				
5	500		85,86,87				
6	400		88,89,90				
7	300		91,92,93				
8	200		94,95,96				
9	175		97,98,99				
10	150		100,101,102				
11	125		103,104,105				
12	100		106,107,108				
13	75		109,110,111				
14	45		112,113,114				
15	25		115,116,117				
16	5		118,119,120				
17	5			X			
18	5			X			
19	5				X		
20	5				X		
21	5				X		
22	5				X		
23	5						
24	5						

Notes:

KOK1806

HOT-LAVA

CTD CAST Logsheets

Station: 6	Cast: 2
Bottom (m):	Date (GMT): 7/15/18
Time Start Logging HST:	Time Start Logging GMT: 15:54:00
Pressure on deck	Time GMT
Start: .05	In water: 15:54:00
End: .07	Out water: 16:24:00
Latitude N	Longitude W
Start: 18o 41.86	Start: 154o 31.58
End: 18o 41.89	End: 154o 31.62
Max Press: 403	Operators: BW

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	125	16:12:00	125		
2	125	16:12:00	125		
3	125	16:12:00	125		
4	100	16:14:00	100		
5	100	16:14:00	100		
6	100	16:14:00	100		
7	100	16:15:00	100		
8	75	16:16:00	75		
9	75	16:16:00	75		
10	75	16:16:00	75		
11	75	16:16:00	75		
12	45	16:17:00	45		
13	45	16:17:00	45		
14	45	16:18:00	45		
15	45	16:18:00	45		
16	25	16:19:00	25		
17	25	16:19:00	25		
18	25	16:19:00	25		
19	25	16:20:00	25		
20	5	16:21:00	5		
21					
22	5	16:21:00	5		
23	5	16:21:00	5		
24	5	16:22:00	5		

KOK1806

HOT-LAVA

CTD CAST Logsheet

Station: 6	Cast: 3
Bottom (m): 5300	Date (GMT): 7/15/18
Time Start Logging HST:	Time Start Logging GMT: 17:41:00
Pressure on deck	Time GMT
Start: 0.04	In water: 17:42:00
End: 0.09	Out water: 18:14:00
Latitude N	Longitude W
Start: 18o 41.71	Start: 154o 31.44
End: 18o 41.65	End: 154o 31.08
Max Press: 406	Operators: BW

CTD	Comments:
<input type="checkbox"/> PAR <input type="checkbox"/> ISUS <input checked="" type="checkbox"/> Seapoint <input checked="" type="checkbox"/> C-Star <input checked="" type="checkbox"/> Optode <input checked="" type="checkbox"/> ECO-FL	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip ✓	Comments
1	400	17:57:00	400		
2	75	18:05:00	75		
3	45	18:07:00	45		
4	45	18:08:00	45		
5	25	18:09:00	25		
6	5	18:10:00	5		
7	5	18:11:00	5		
8	5	18:11:00	5		
9	5	18:11:00	5		
10	5	18:11:00	5		
11	5	18:11:00	5		
12	5	18:11:00	5		
13	5	18:11:00	5		
14	5	18:11:00	5		
15	5	18:12:00	5		
16	5	18:12:00	5		
17	5	18:12:00	5		
18	5	18:12:00	5		
19	5	18:13:00	5		
20	5	18:13:00	5		
21					
22	5	18:13:00	5		
23	5	18:13:00	5		
24	5	18:13:00	5		

Coastal Stations: SCOPE KOK1806 SAMPLE Data SheetStation/Cast #: Stn 6 Cast 3 Date: _____ (HST)Target Depth (db): 400 CTD Start Time: _____ (HST)

Rosette Position	Depth (m)	Proteins (Angie)	Euk RNA (Tim-Sonya)	Euk RNA (Sam-Ginger)	Rates N2 fix (Sam) O2 (Sara)	Tricho clades (Tim-Sonya)	Microscope	PPO4/PCP N
1	400							
2	75					X		
3	45					X		
4	45							X
5	25					X		
6	5				X			
7	5				X			
8	5				X			
9	5			X				
10	5			X				
11	5		X					
12	5		X					
13	5		X					
14	5		X					
15	5		X					
16	5		X					
17	5	X						
18	5	X						
19	5	X						
20	5	X						
21	5							
22	5	X						
23	5	X						
24	5					X	X	

Notes: