

KM1412

CMORE/AG10

CTD CAST Logsheet

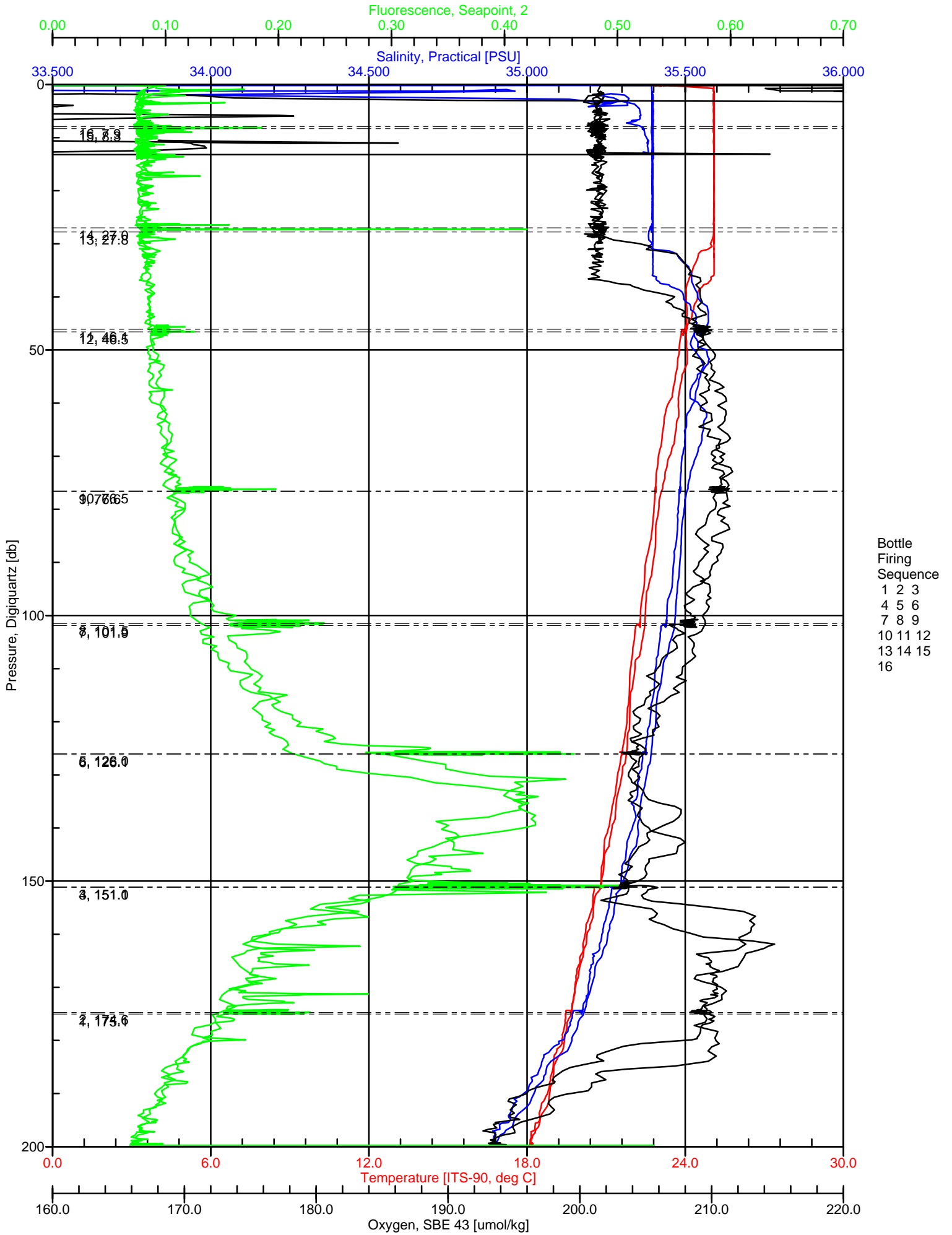
<b>Station: 2</b>	<b>Cast: 1</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 6/10/14</b>
<b>Time Start Logging HST: 02:38</b>	<b>Time Start Logging GMT: 12:38</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.2614</b>	<b>In water: 12:40</b>
<b>End: 0.1415</b>	<b>Out water: 13:12</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 44.994</b>	<b>Start: 157 59.988</b>
<b>End: 22 45.007</b>	<b>End: 157 59.999</b>
<b>Max Press: 200</b>	<b>Operators: SS RM RG MB</b>

<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

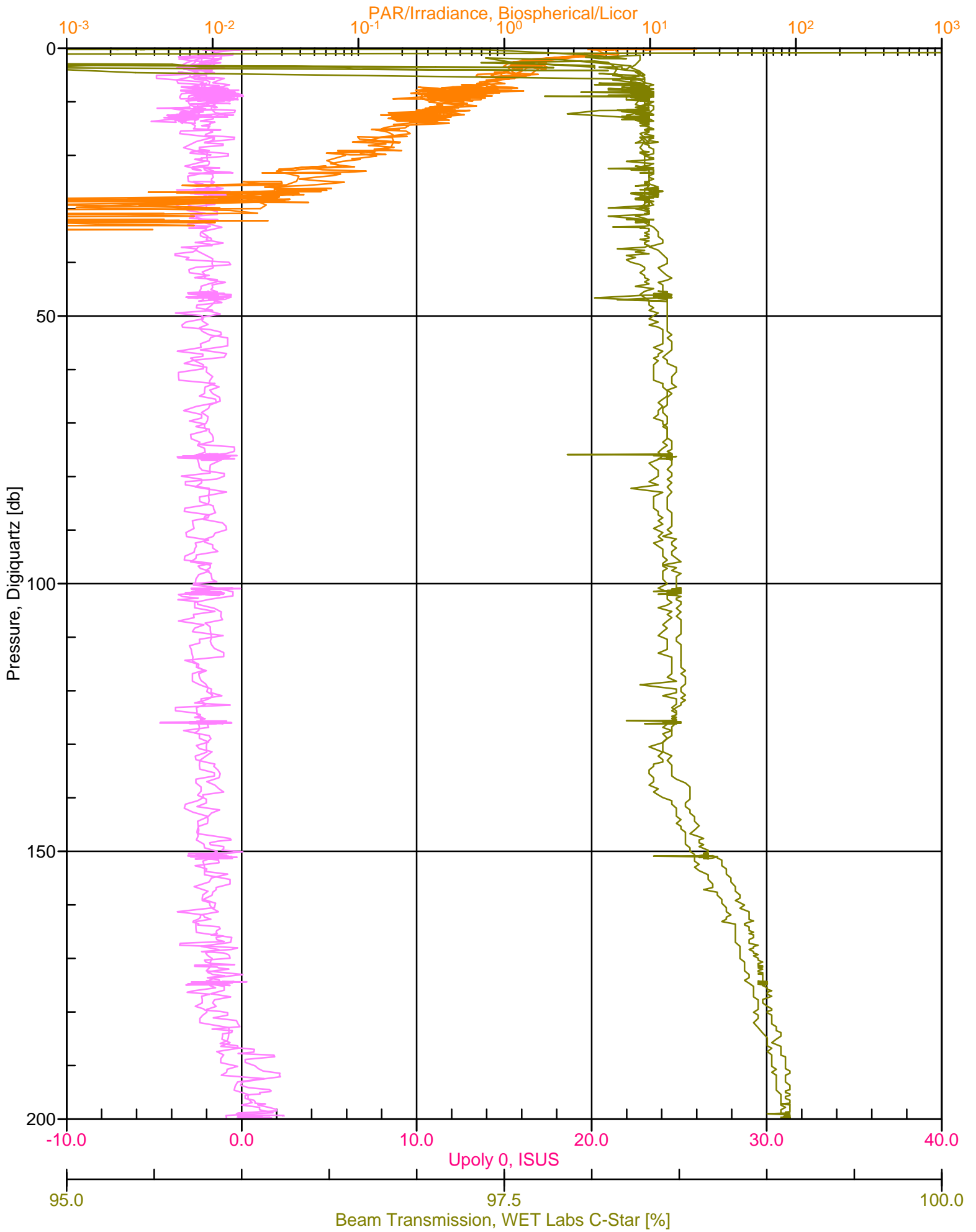
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	12:53	175.0	X	
2	175	12:53	174.7	X	
3	150	12:55	151.1	X	
4	150	12:55	151.0	X	
5	125	12:57	125.9	X	
6	125	12:57	126.1	X	
7	100	12:59	101.8	X	
8	100	13:00	101.5	X	
9	75	13:01	76.3	X	
10	75	13:01	76.5	X	
11	45	13:03	46.10	X	
12	45	13:04	46.5	X	
13	25	13:05	27.7	X	
14	25	13:06	27.0	X	
15	5	13:07	8.31	X	
16	5	13:08	7.91	X	
17					
18					
19					
20					
21					
22					
23					
24					

DCM ~135m

# KM1412\_S2C1.hex



# KM1412\_S2C1.hex



**CMORE/AG-10**  
**KM1412**  
**CTD Data Sheet**

Station #           2            
 Cast #           1            
 Operator(s):           SS RM RC MB          

Date:           6/10/2014           (HST)  
 CTD Start Time:           02:30           (HST)  
 Target depth:           200           (m)

Rosette Position	Depth (m)	BP	14C-PP	Size -Fractionated Chl a	FCM	S.F.		
1	<b>175</b>	1-L,D		1	X			
2	<b>175</b>							
3	<b>150</b>	2-L,D		3	X			
4	<b>150</b>							
5	<b>125</b>	3-L,D	3L-	5	X			
6	<b>125</b>							
7	<b>100</b>	4-L,D	4L-	7	X			
8	<b>100</b>							
9	<b>75</b>	5-L,D	5L-	9	X			
10	<b>75</b>							
11	<b>45</b>	6-L,D	6L-	11	X			
12	<b>45</b>					X		
13	<b>25</b>	7-L,D	7L-	13	X			
14	<b>25</b>					X		
15	<b>5</b>	8-L,D	8L-	15	X			
16	<b>5</b>					X		
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

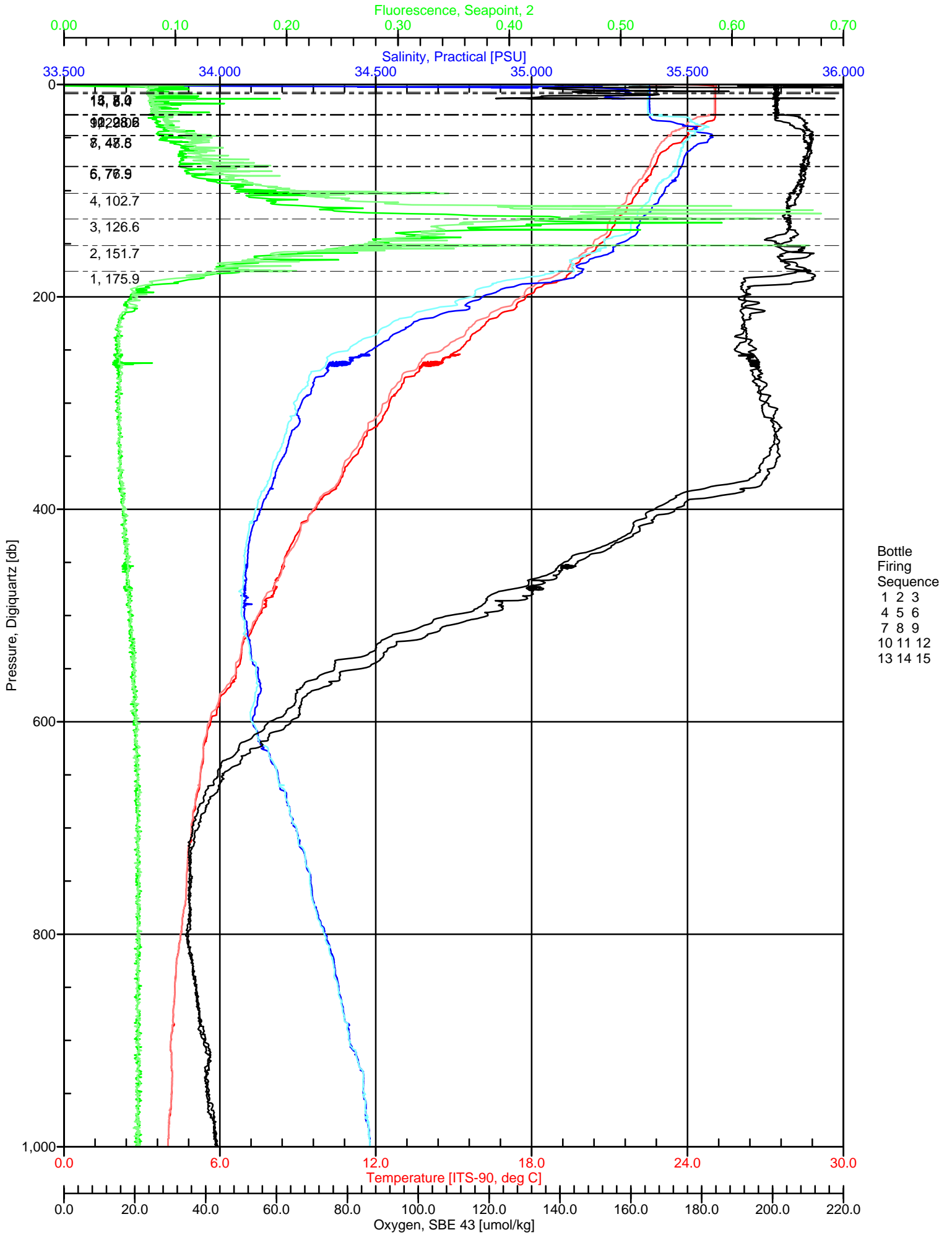
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 2</b>
<b>Bottom (m): 4725</b>	<b>Date (GMT): 6/10/14</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: 0.3841</b>	<b>In water: 16:10</b>
<b>End: 0.1204</b>	<b>Out water: 18:04</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.157</b>	<b>Start: 157 59.485</b>
<b>End: 22 45.169</b>	<b>End: 157 59.489</b>
<b>Max Press: 1000</b>	<b>Operators:SSMBRGRM</b>

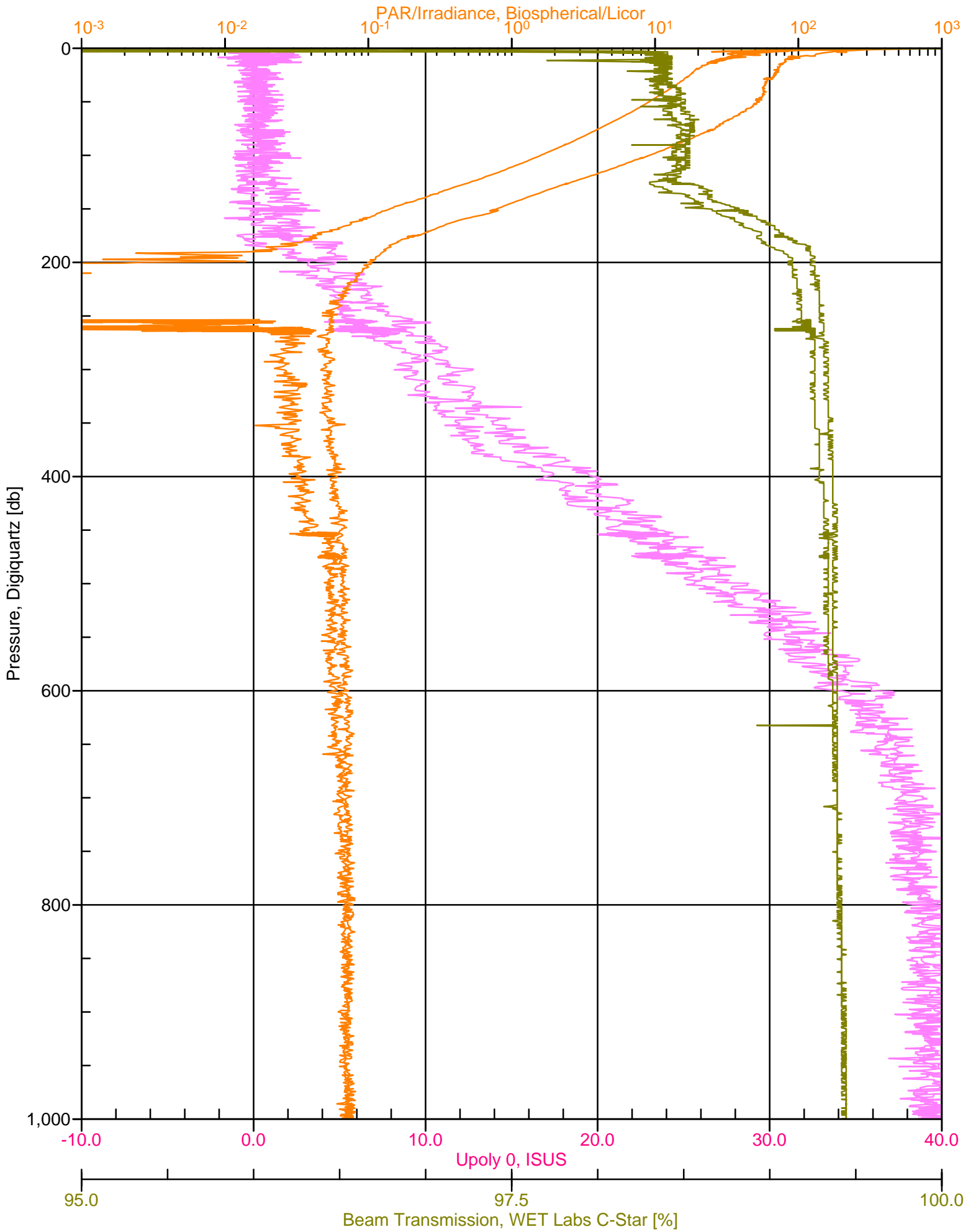
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	At 16:21 GMT winch stopped @260. Winch started again @ 17:00 GMT restop @17:02 at 450 db
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	17:45	175.2	X	
2	150	17:48	151.6	X	
3	125	17:54	126.6		Had to stand by after 150
4	100	17:56	102.3	X	
5	75	17:58	77.6	X	
6	75	17:58	76.3	X	
7	45	18:00	48.5	X	
8	45	18:00	47.9	X	
9	25	18:02	28.9	X	
10	25	18:02	28.2	X	
11	25	18:03	28.5	X	
12	25	18:03	28.6		
13	5	18:04	8.2	X	
14	5	18:05	8.8	X	
15	5	18:05	8.0	X	
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C2.hex



# KM1412\_S2C2.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           2            
 Operator(s):           SS MB RG RM          

Date:           6/10/14           (HST)  
 CTD Start Time:           0600           (HST)  
 Target depth:           1000           (m)

Rosette Position	Depth (m)	Div	SF	FRRF				
1	175			X				
2	150			X				
3	125			X				
4	100			X				
5	75			X				
6	75	X						
7	45			X				
8	45		X					
9	25			X				
10	25		X					
11	25	X						
12	25	X						
13	5			X				
14	5		X					
15	5	X						
16								
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**



KM1412

CMORE/AG10

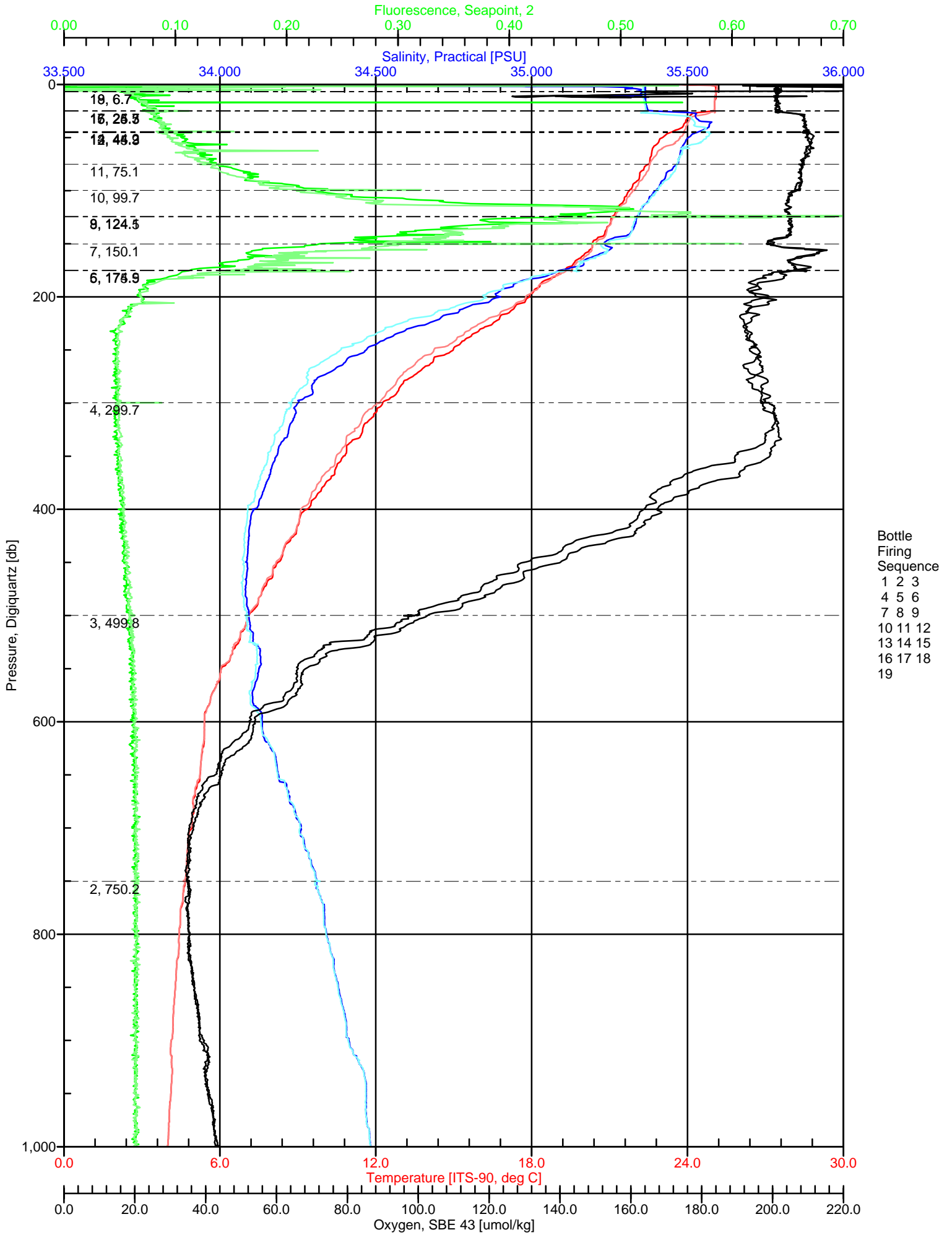
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 3</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 6/10/14</b>
<b>Time Start Logging HST: 10:05</b>	<b>Time Start Logging GMT: 20:05</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.2834</b>	<b>In water: 20:09</b>
<b>End: 0.2005</b>	<b>Out water: 21:11</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.013</b>	<b>Start: 157 59.978</b>
<b>End: 22 44.99</b>	<b>End: 157 59.975</b>
<b>Max Press: 1001</b>	<b>Operators: SSRGMB</b>

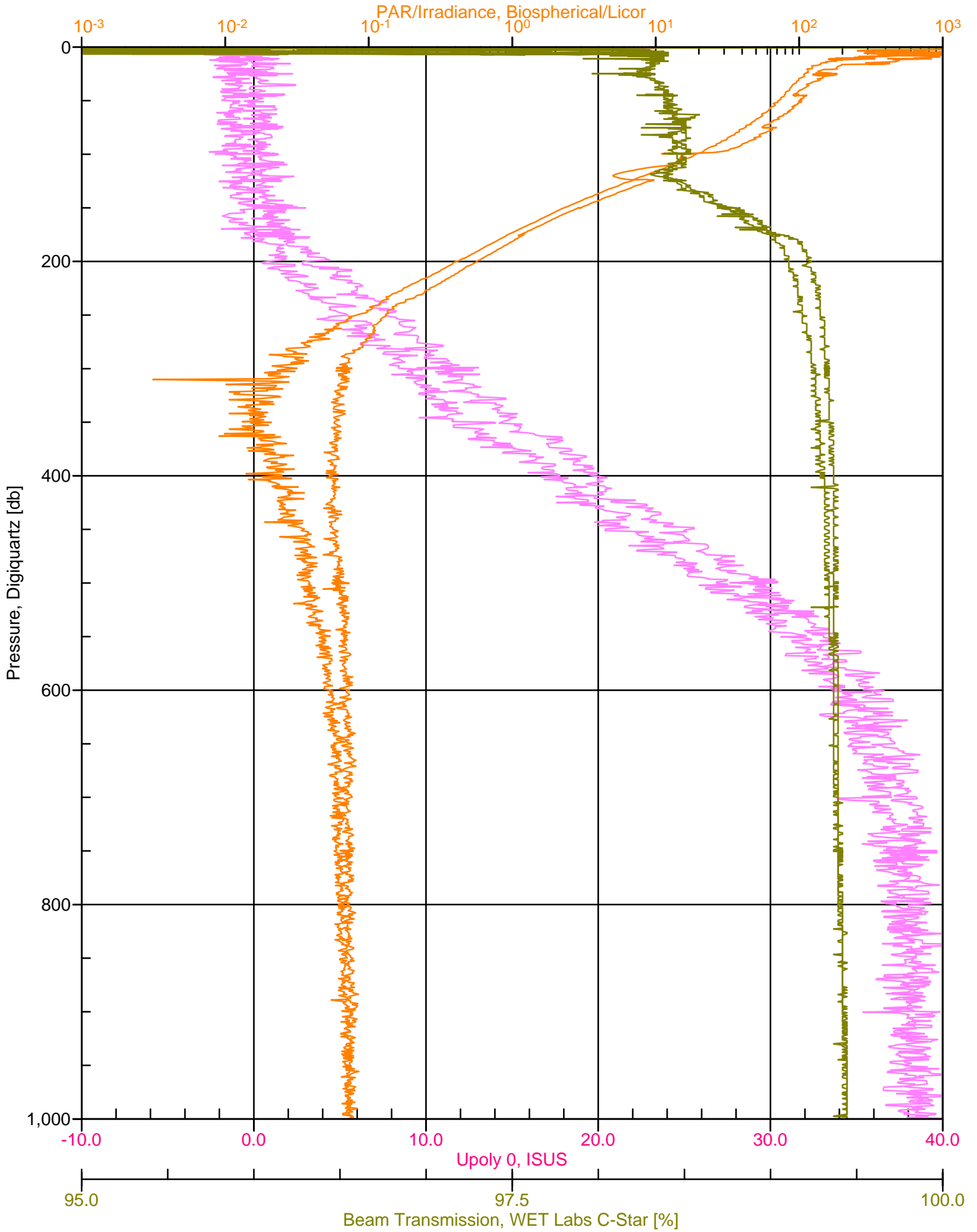
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	1000	20:33	1001	X	
2	750	20:39	749.6	X	
3	500	20:45	499.8	X	
4	300	20:49	299.7	X	
5	175	20:52	175.8	X	
6	175	20:53	174.6	X	
7	150	20:56	150.0	X	
8	125	20:57	124.6	X	
9	125	20:57	124.6	X	
10	100	20:59	99.7	X	
11	75	21:00	75.1	X	
12	45	21:02	45.5	X	
13	45	21:02	44.9	X	
14	45	21:03	44.2	X	
15	25	21:04	25.1	X	
16	25	21:05	25.3	X	
17	25	21:05	25.0	X	
18	5	21:07	6.4	X	
19	5	21:07	5.4	X	
20					
21					
22					
23					
24					

# KM1412\_S2C3.hex



# KM1412\_S2C3.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station # 2  
 Cast # 3  
 Operator(s): SS RM RG MB

Date: 06/10/14 (HST)  
 CTD Start Time: 10:00 (HST)  
 Target depth: 1000 (m)

Rosette Position	Depth (m)	O2	Temp	SF	FRRF			
1	1000	1,2	8.7					
2	750							
3	500							
4	300	3	14.3					
5	175	4	20.0					
6	175				X			
7	150				X			
8	125	5	21.5					
9	125				X			
10	100				X			
11	75				X			
12	45	6	23.7					
13	45			X				
14	45				X			
15	25	7,8	24.8					
16	25			X				
17	25				X			
18	5			X				
19	5				X			
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

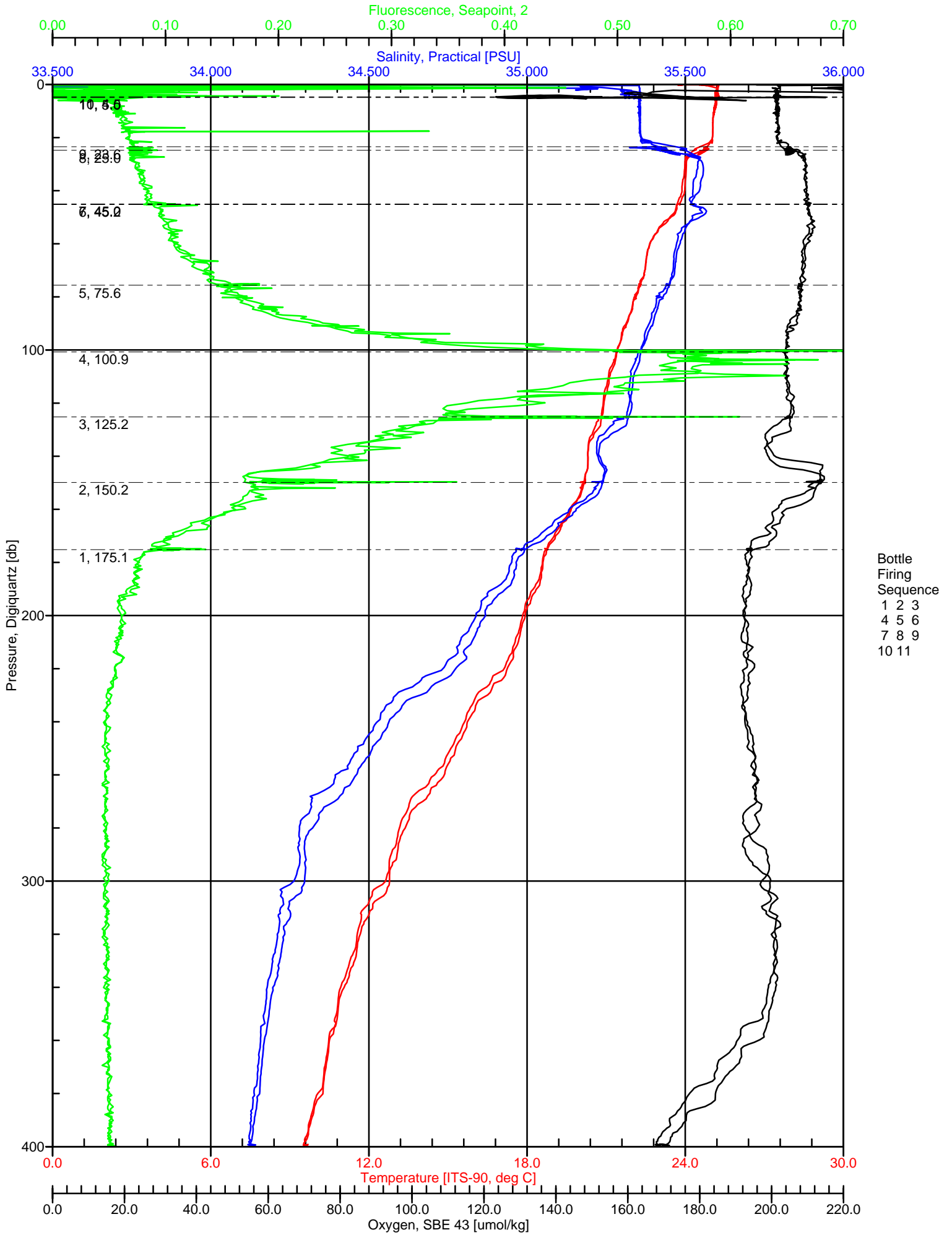
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 4</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 6/10/14</b>
<b>Time Start Logging HST: 12:36</b>	<b>Time Start Logging GMT: 22:36</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.1927</b>	<b>In water: 22:39</b>
<b>End: 0.1577</b>	<b>Out water: 23:09</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 44.996</b>	<b>Start: 157 59.978</b>
<b>End: 22 44.998</b>	<b>End: 157 59.981</b>
<b>Max Press:</b>	<b>Operators: RG</b>

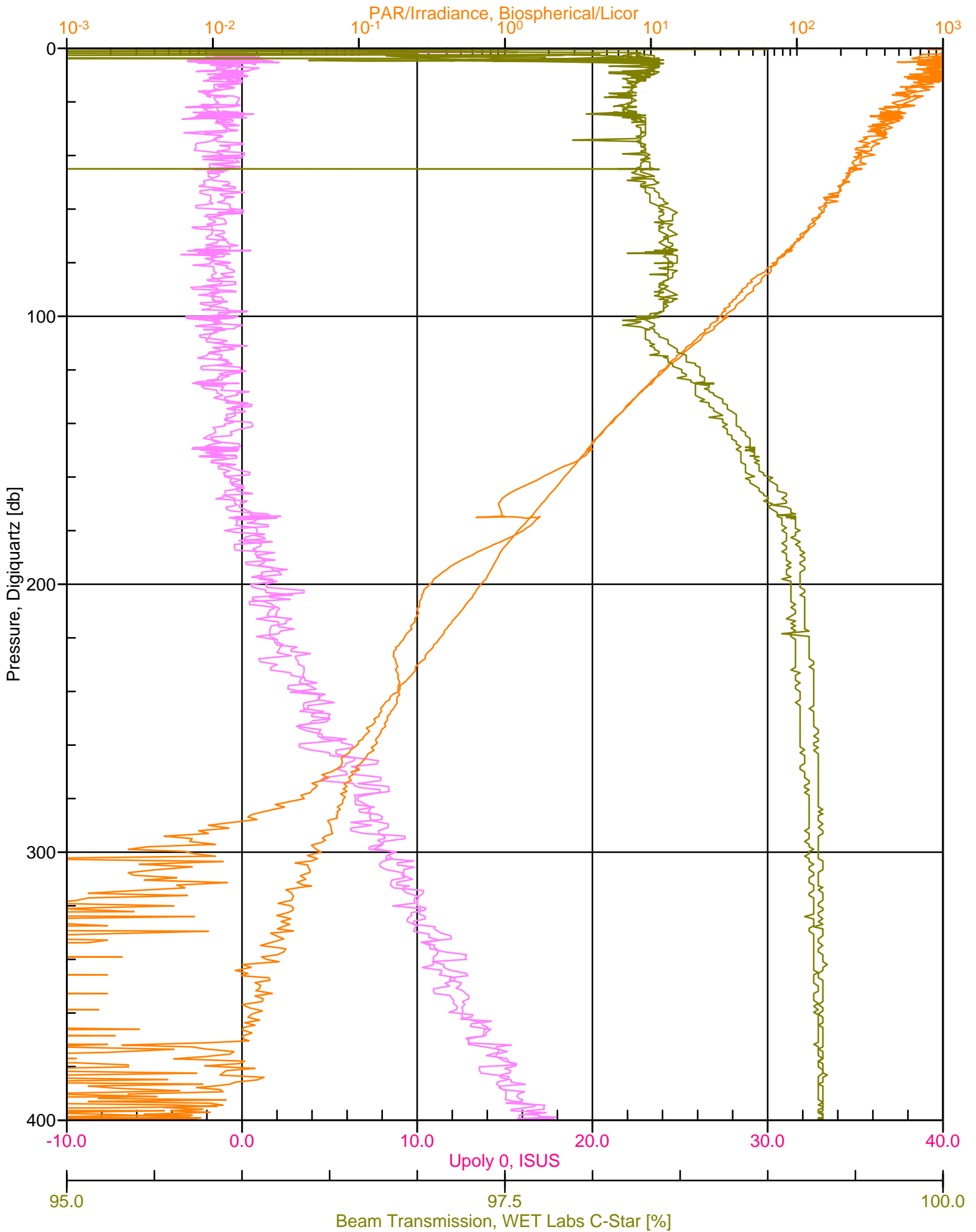
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	22:56	175.1	X	
2	150	22:58	149.8	X	
3	125	22:59	125.2	X	
4	100	23:00	100.7	X	
5	75	23:02	75.1	X	
6	45	23:03	45.2	X	
7	45	23:03	44.9	X	
8	25	23:04	24.9	X	
9	25	23:05	23.3	X	
10	5	23:07	4.6	X	
11	5	23:07	4.9	X	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C4.hex



# KM1412\_S2C4.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           4            
 Operator(s):           SS, RG, MB          

Date:           06/10/14           (HST)  
 CTD Start Time:           12:30           (HST)  
 Target depth:           400           (m)

Rosette Position	Depth (m)	FRRF	SF					
1	175	X						
2	150	X						
3	125	X						
4	100	X						
5	75	X						
6	45	X						
7	45		X					
8	25	X						
9	25		X					
10	5	X						
11	5		X					
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**



KM1412

CMORE/AG10

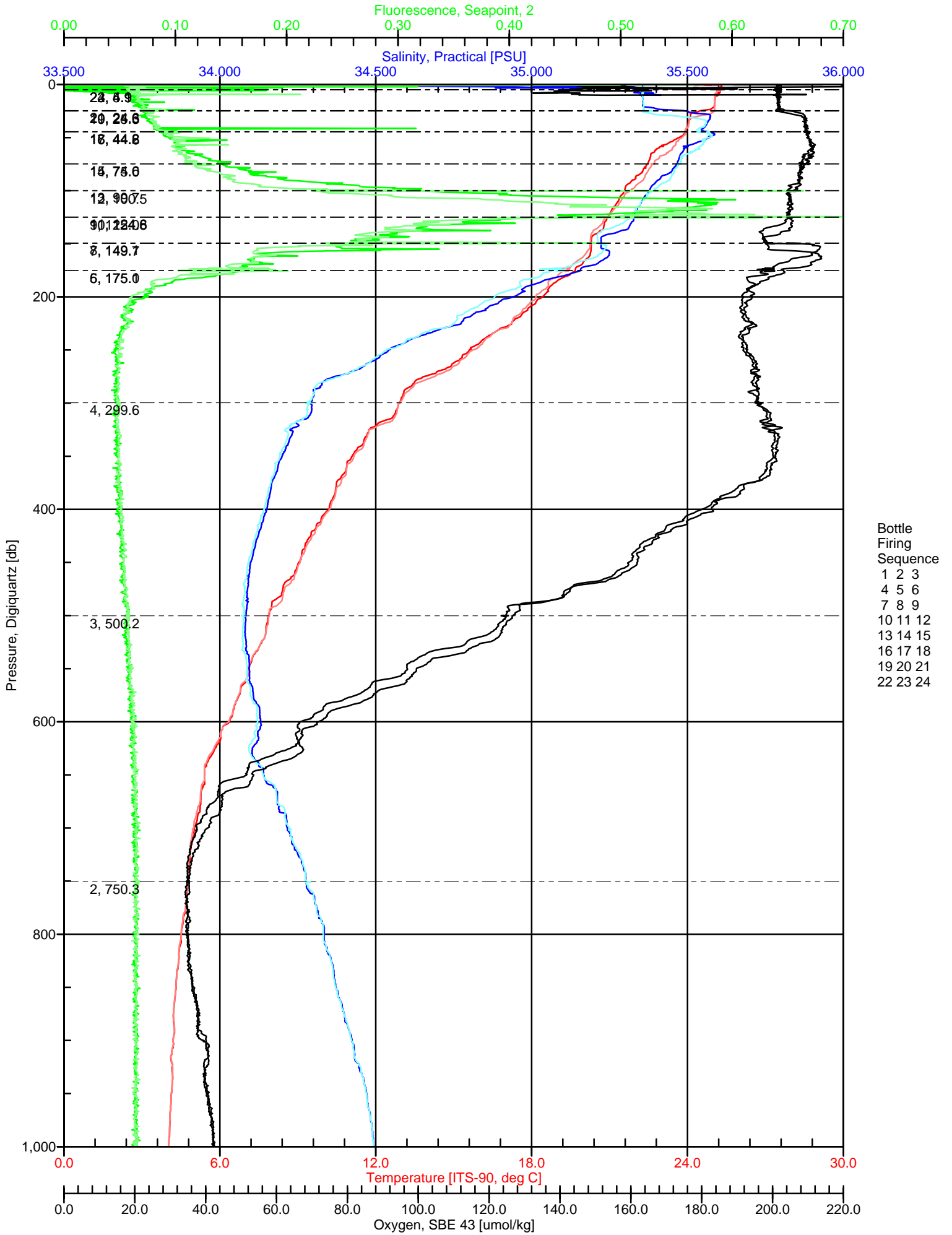
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 5</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/10/14</b>
<b>Time Start Logging HST: 13:58</b>	<b>Time Start Logging GMT: 23:58</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.3045</b>	<b>In water: 00:01</b>
<b>End: 0.09</b>	<b>Out water: 01:03</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 44.994</b>	<b>Start: 157 59.978</b>
<b>End: 22 45.012</b>	<b>End: 157 59.984</b>
<b>Max Press: 1000</b>	<b>Operators: SSRGMB</b>

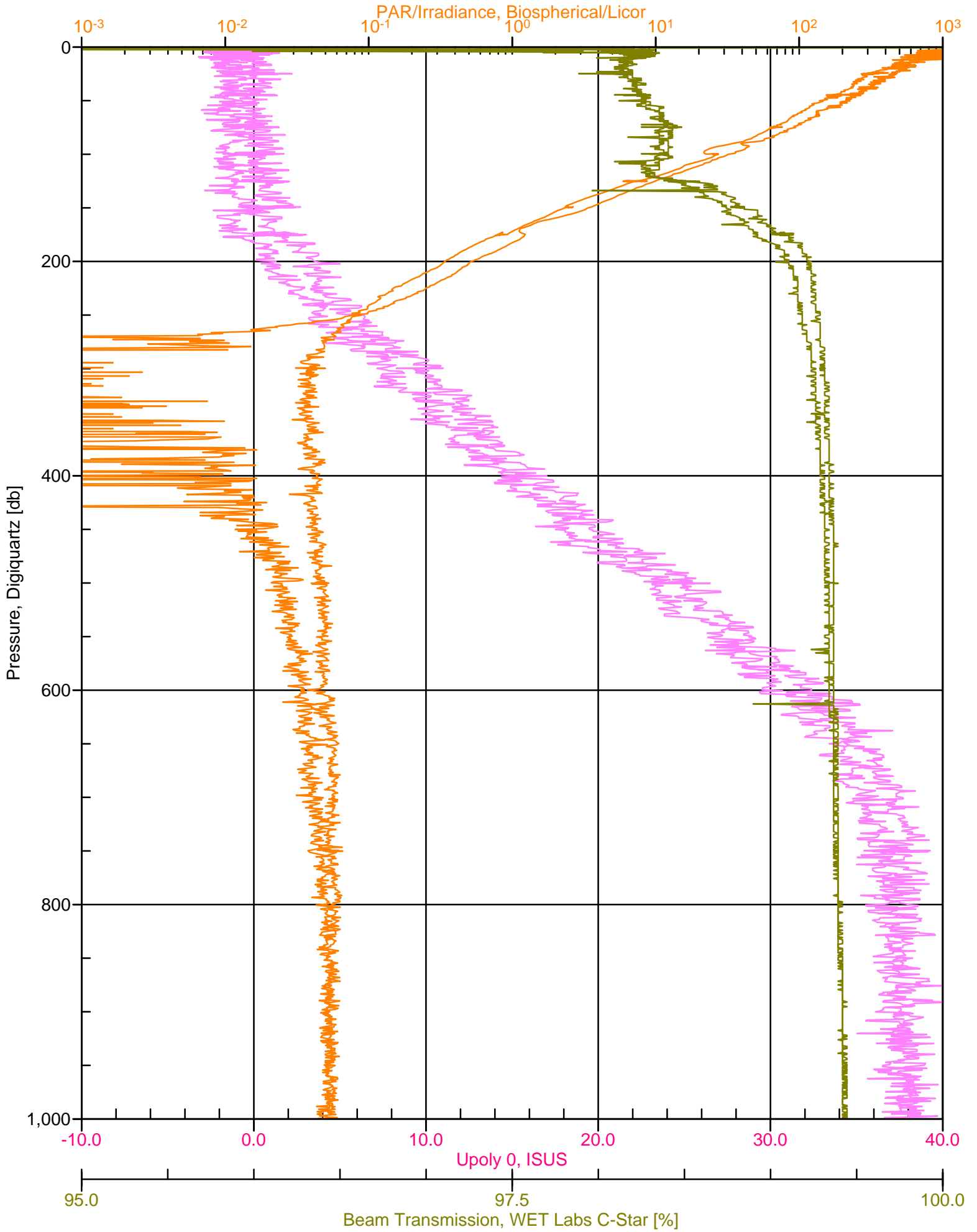
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	1000	00:27	1000.5	✓	
2	750	00:32	750.1	✓	
3	500	00:38	500.3	✓	
4	300	00:43	299.7	✓	
5	175	00:46	174.6	✓	
6	175	00:46	175.2	✓	
7	150	00:48	149.7	✓	
8	150	00:48	149.3	✓	
9	125	00:49	124.9	✓	
10	125	00:50	125.0	✓	
11	125	00:50	124.7	✓	
12	100	00:52	99.8	✓	
13	100	00:52	100.1	✓	
14	75	00:53	74.6	✓	
15	75	00:54	74.5	✓	
16	45	00:56	45.1	✓	
17	45	00:56	44.5	✓	
18	45	00:56	44.7	✓	
19	25	00:58	25.1	✓	
20	25	00:58	24.7	✓	
21	25	00:59	23.9	✓	
22	5	01:01	5.4	✓	
23	5	01:01	5.2	✓	
24	5	01:01	5.5	✓	

# KM1412\_S2C5.hex



# KM1412\_S2C5.hex







KM1412

CMORE/AG10

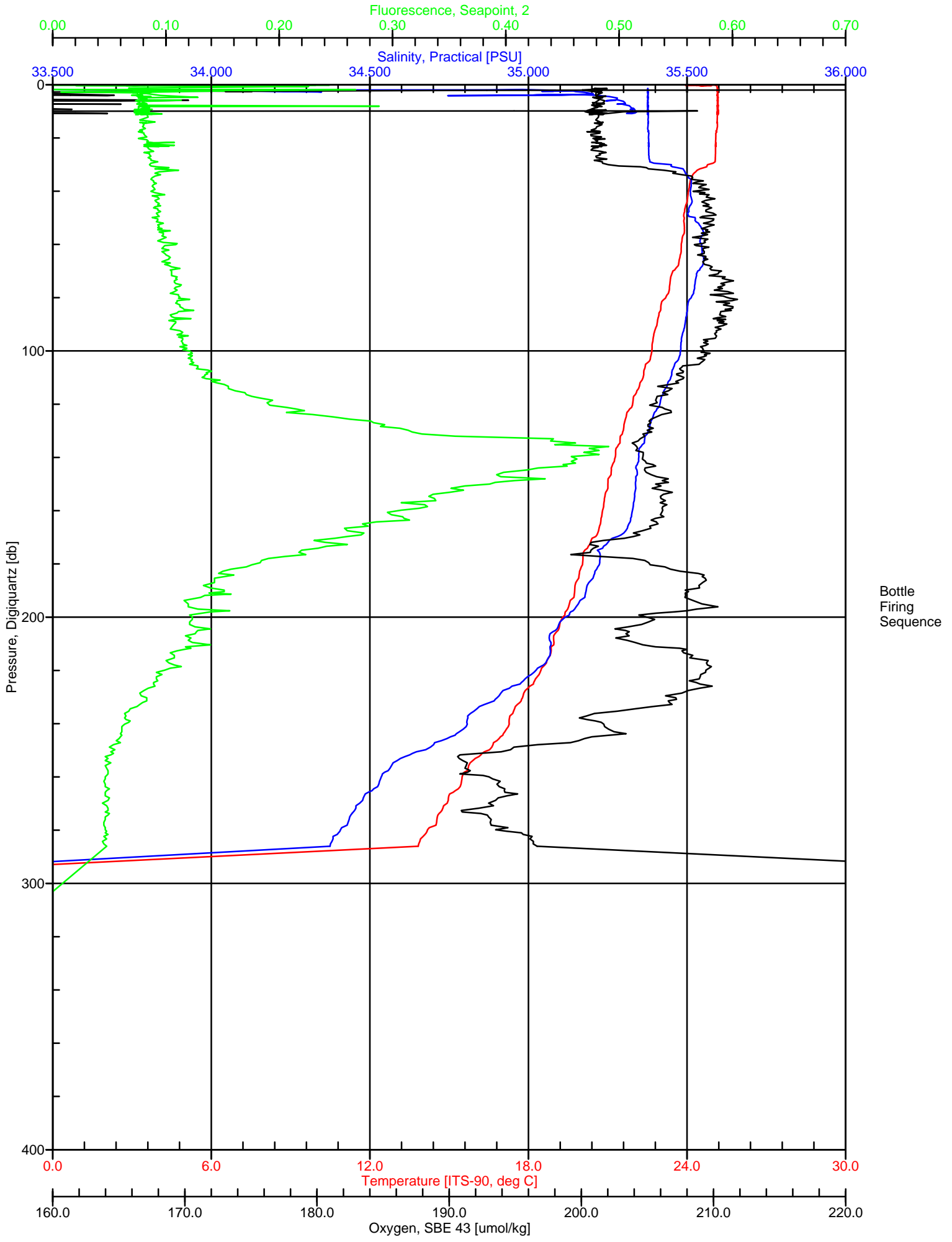
CTD CAST Logsheet

Station: 2	Cast: 6
Bottom (m): ~4725	Date (GMT): 6/11/14
Time Start Logging HST: 16:58	Time Start Logging GMT: 02:58
Pressure on deck Start: 0.3602 End:	Time GMT In water: 02:59 Out water:
Latitude N Start: 22 42.388 N End:	Longitude W Start: 158 2.680 W End:
Max Press:	Operators: RG

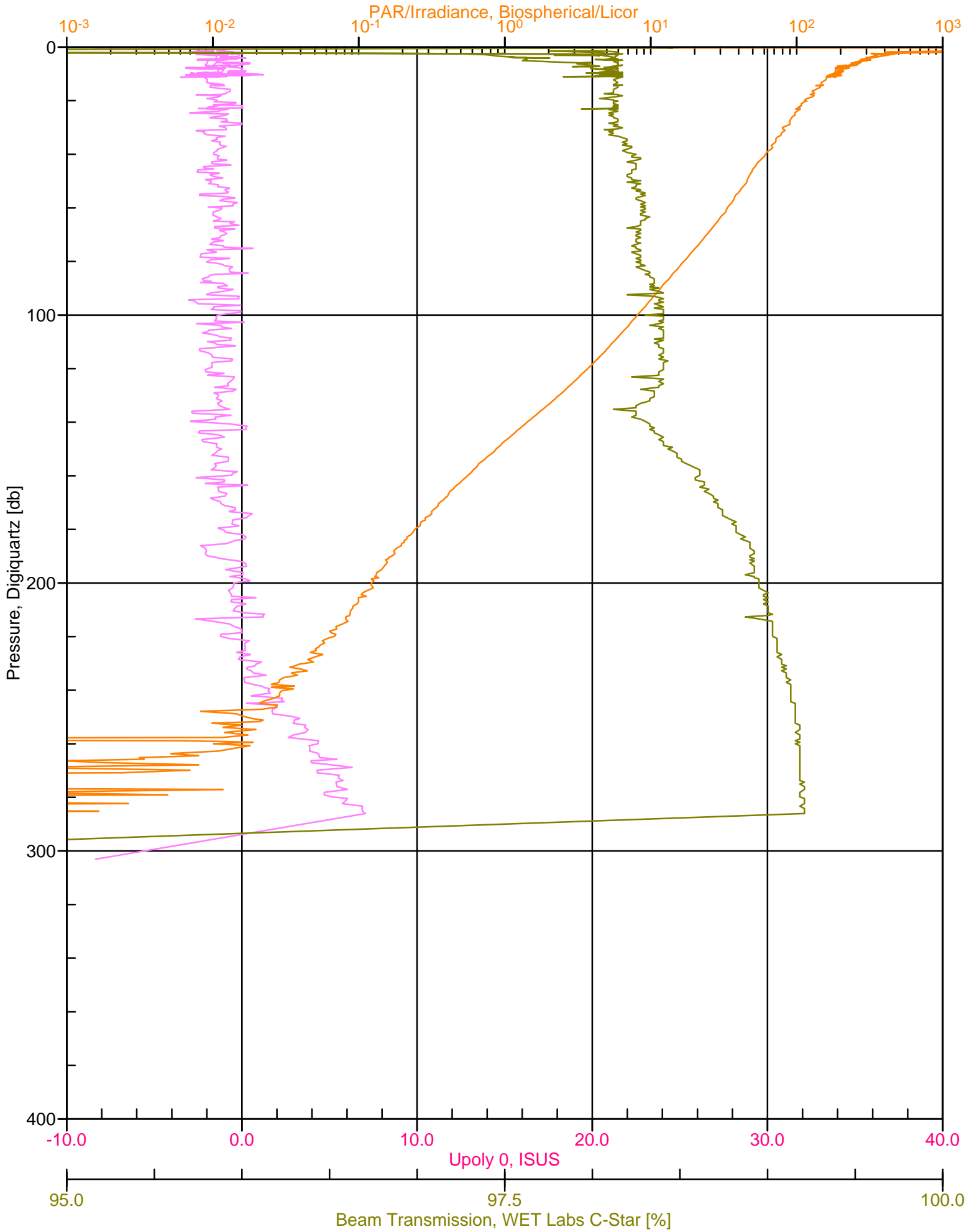
CTD	Comments:
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	Aborted CTD @3:17 (~300 m) after error messages with loud beeping
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175				
2	150				
3	125				
4	100				
5	75				
6	45				
7	45				
8	25				
9	25				
10	25				
11	25				
12	5				
13	5				
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C6.hex



# KM1412\_S2C6.hex





**CMORE/AG-10**  
**KM1412**  
**CTD Data Sheet**

Station #           2            
 Cast #           6            
 Operator(s):           SS RG MB          

Date:           6/10/14           (HST)  
 CTD Start Time:           17:00           (HST)  
 Target depth:           400           (m)

Rosette Position	Depth (m)	SF	FRRF					
1	175		X					
2	150		X					
3	125		X					
4	100		X					
5	75		X					
6	45	X						
7	45		X					
8	25	X						
9	25	X						
10	25	X						
11	25		X					
12	5	X						
13	5		X					
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

**Notes: Aborted due CTD malfunction**

KM1412

CMORE/AG10

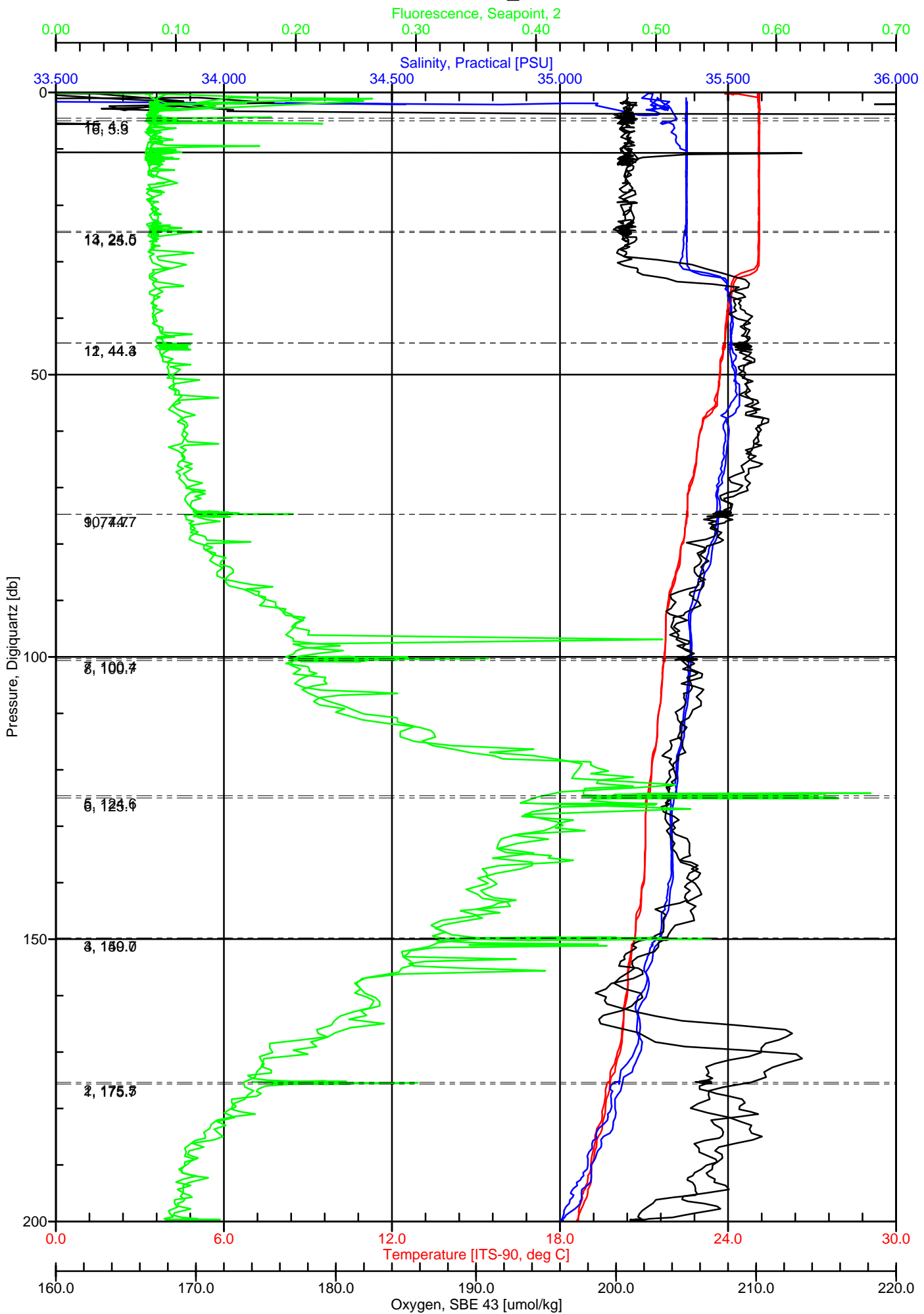
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast:7</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT):</b>
<b>Time Start Logging HST: 03:41</b>	<b>Time Start Logging GMT: 13:42</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.2315</b>	<b>In water: 13:42</b>
<b>End: -0.1912</b>	<b>Out water: 14:07</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 44.988</b>	<b>Start: 157 59.993</b>
<b>End: 22 44.956</b>	<b>End: 157 59.975</b>
<b>Max Press:</b>	<b>Operators: BEYONCE</b>

<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	<b>New SBE 9+ SN 0568</b> <b>Replacement seapoint</b>
<b><u>Owned by:</u></b> OTG	

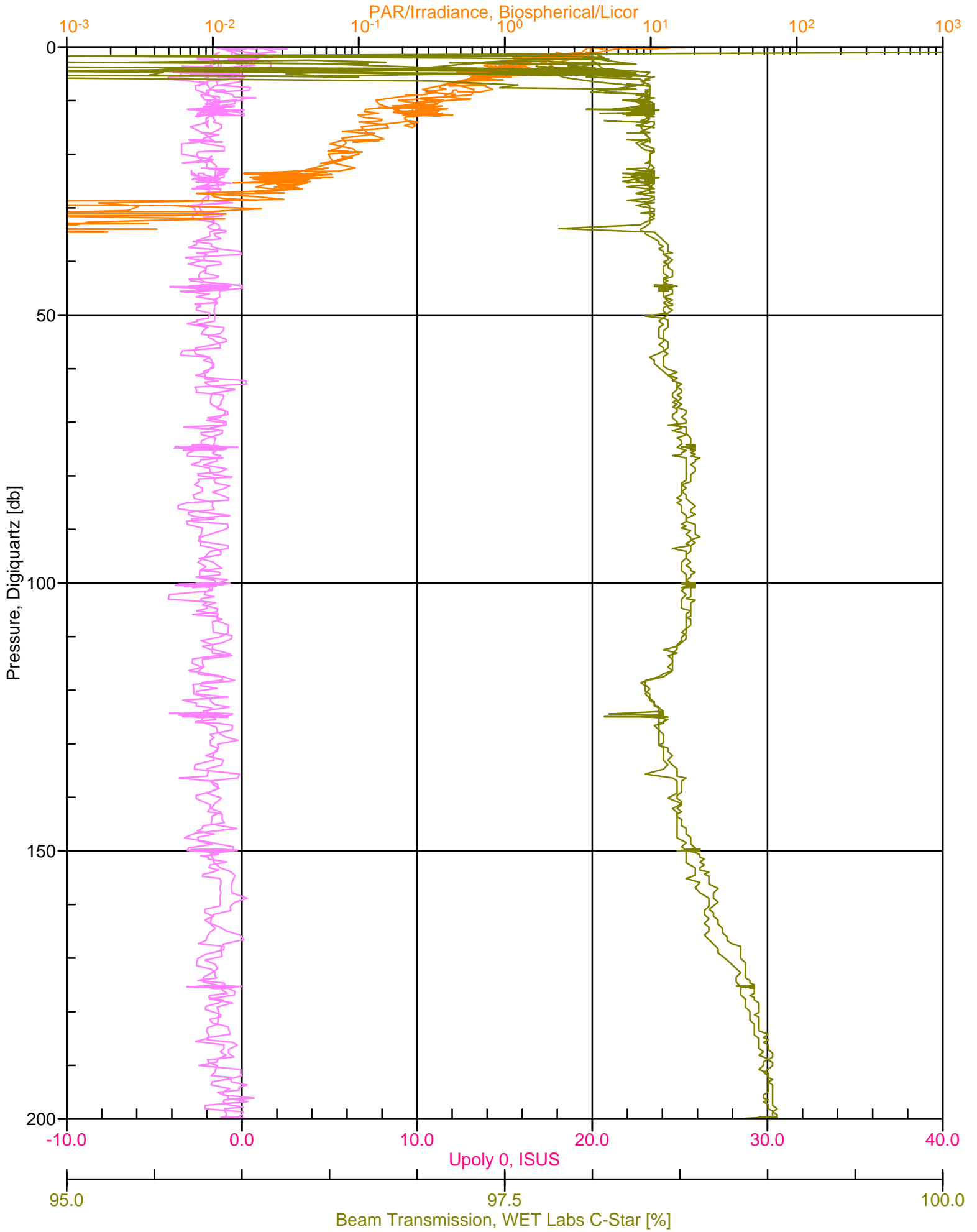
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	13:53	175.6	+	
2	175	13:53	175.3	+	
3	150	13:54	149.8	+	
4	150	13:55	149.8	+	
5	125	13:56	124.8	+	
6	125	13:56	124.7	+	
7	100	13:58	100.5	+	
8	100	13:58	100.5	+	
9	75	14:00	74.6	+	
10	75	14:00	74.7	+	
11	45	14:02	44.3	+	
12	45	14:02	44.4	+	
13	25	14:03	24.6	+	
14	25	14:03	24.8	+	
15	5	14:05	4.5	+	
16	5	14:05	5.2	+	
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C7.hex



Bottle Firing Sequence  
1 2 3  
4 5 6  
7 8 9  
10 11 12  
13 14 15  
16

# KM1412\_S2C7.hex



**CMORE/AG-10**  
**KM1412**  
**CTD Data Sheet**

Station #           2            
 Cast #           7            
 Operator(s):           Beyonce          

Date:           06/11/14           (HST)  
 CTD Start Time:           02:30           (HST)  
 Target depth:           200           (m)

Rosette Position	Depth (m)	BP	14C-PP	Size -Fractionated Chl a (bottle)	FCM	S.F.		
1	175			1 (1)	X			
2	175							
3	150			3 (2)	X			
4	150							
5	125	3-L,D	3L-	5 (3)	X			
6	125							
7	100	4-L,D	4L-	7 (4)	X			
8	100							
9	75	5-L,D	5L-	9 (5)	X			
10	75							
11	45	6-L,D	6L-	11 (6)	X			
12	45					X		
13	25	7-L,D	7L-	13 (7)	X			
14	25					X		
15	5	8-L,D	8L-	15 (8)	X			
16	5					X		
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

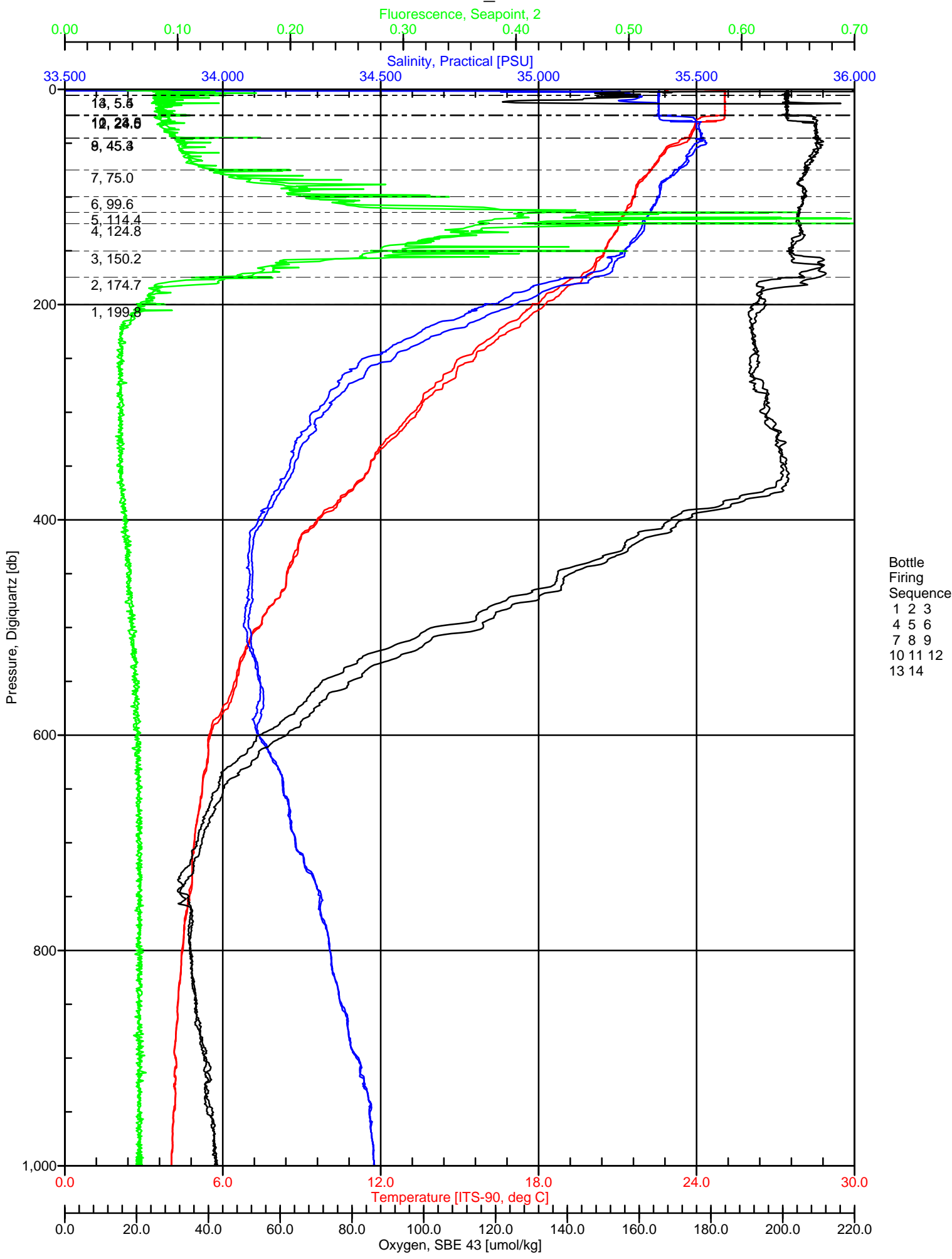
CTD CAST Logsheet

Station: 2	Cast: 8
Bottom (m): ~4725	Date (GMT): 06-11-14
Time Start Logging HST: 05:59	Time Start Logging GMT: 15:59
Pressure on deck Start: 0.6711 End: -0.0652	Time GMT In water: 16:03 Out water: 16:58
Latitude N Start: 22 45.301 End: 22 45.304	Longitude W Start: 157 59.552 End: 157 59.557
Max Press:	Operators: Beyonce

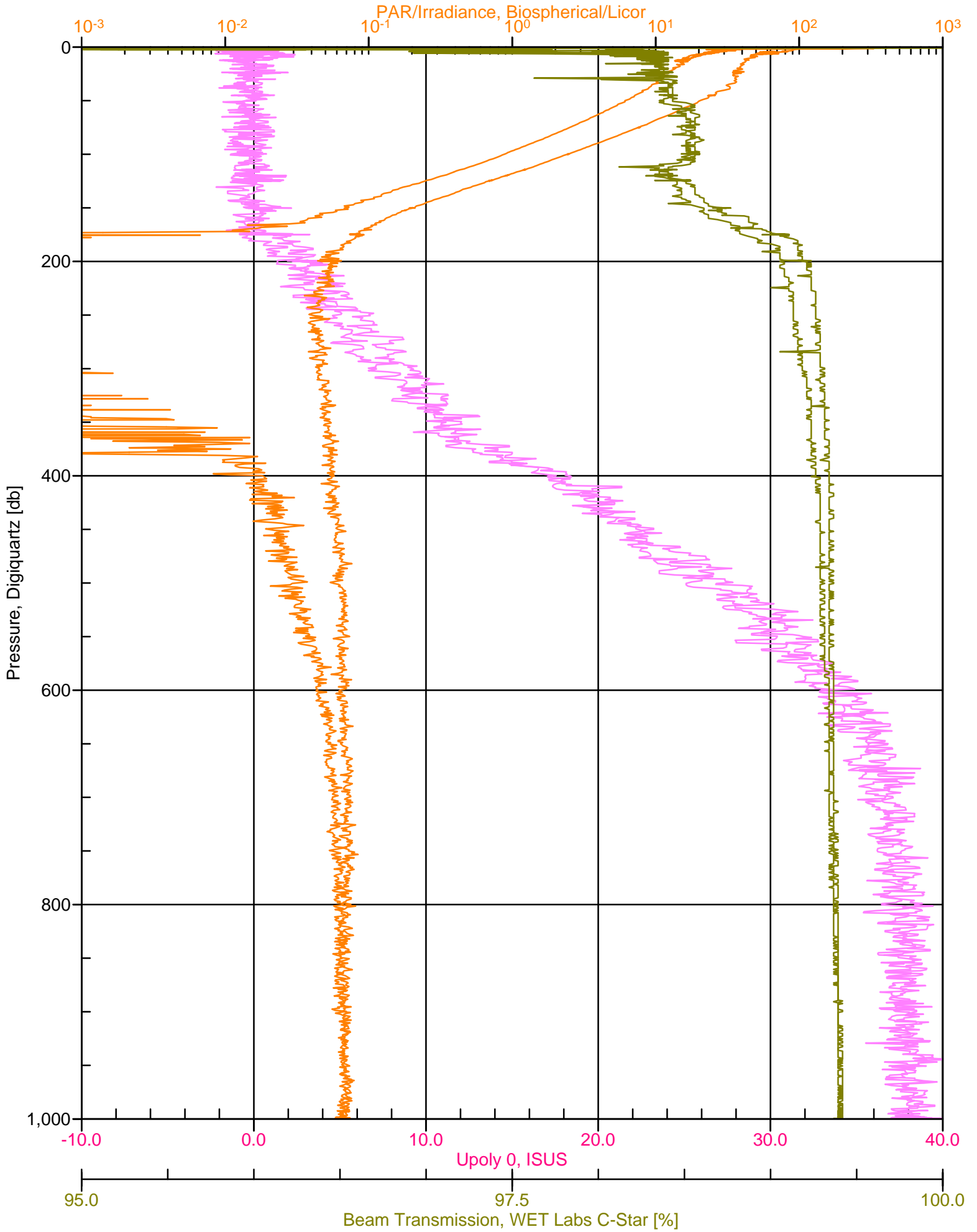
CTD	Comments:
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	200	16:39	199.69	+	
2	175	16:40	174.6	+	
3	150	16:42	150.1	+	
4	125	16:43	124.8	+	
5	115	16:44	114.3	+	
6	100	16:45	99.7	+	
7	75	16:47	74.9	+	
8	45	16:48	45.2	+	
9	45	16:48	45.3	+	
10	25	16:49	24.0	+	
11	25	16:49	23.6	+	
12	25	16:50	24.1	+	
13	5	16:51	5.6	+	
14	5	16:51	5.4	+	
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C8.hex



# KM1412\_S2C8.hex







KM1412

CMORE/AG10

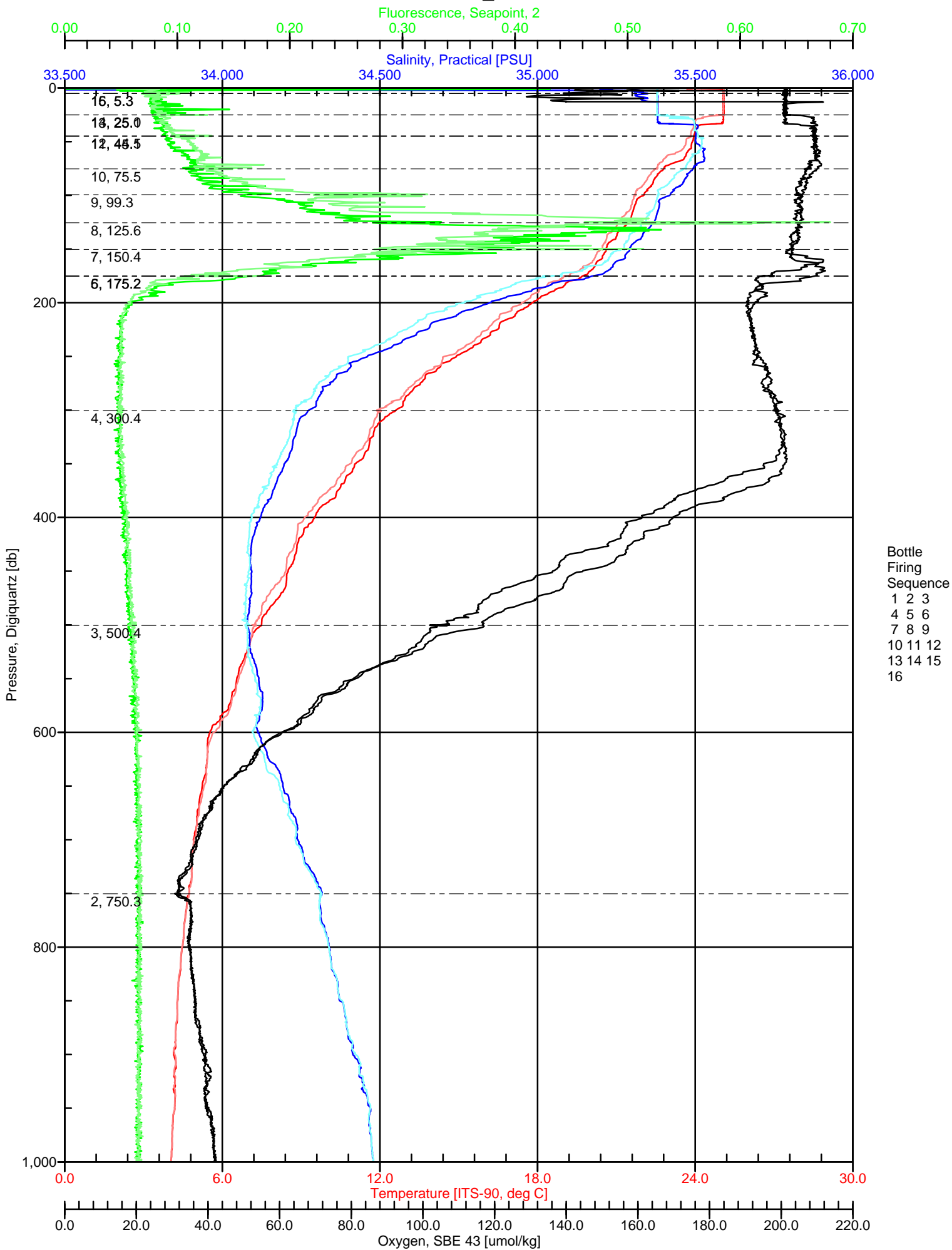
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 9</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06-11-14</b>
<b>Time Start Logging HST: 8:02</b>	<b>Time Start Logging GMT: 18:02</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.7096</b>	<b>In water: 18:04</b>
<b>End: 0.02</b>	<b>Out water: 19:16</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.314</b>	<b>Start: 157 59.567</b>
<b>End: 22 45.289</b>	<b>End: 257 59.552</b>
<b>Max Press:</b>	<b>Operators: Beyonce</b>

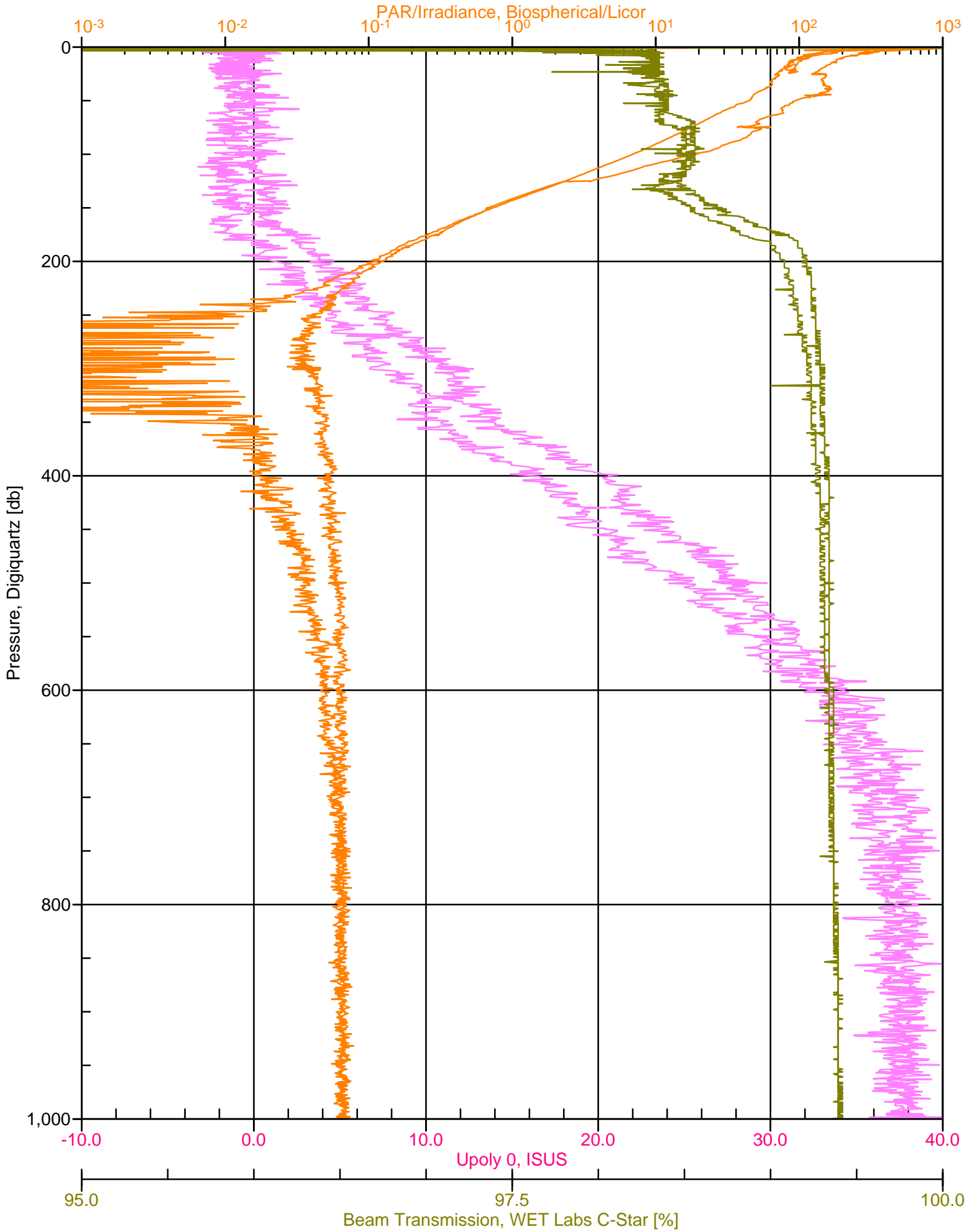
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	1000	18:34	999.6	+	
2	750	18:43	750.5	+	
3	500	18:50	500.1	+	
4	300	18:56	300.2	+	
5	175	19:00	175.1	+	
6	175	19:01	175.3	+	
7	150	19:02	150.6	+	
8	125	19:04	125.2	+	
9	100	19:06	99.7	+	
10	75	19:07	74.4	+	
11	45	19:09	45.1	+	
12	45	19:10	45.0	+	
13	25	19:11	25.0	+	
14	25	19:12	25.1	+	
15	5	19:13	5.2	+	
16	5	19:13	4.7	+	
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C9.hex



# KM1412\_S2C9.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           9            
 Operator(s):           Team Beyonce          

Date:           06/11/14           (HST)  
 CTD Start Time:           08:00           (HST)  
 Target depth:           1000           (m)

Rosette Position	Depth (m)	O <sub>2</sub>	Temp °C	FRRF	S.F.			
1	<b>1000</b>							
2	<b>750</b>	9,10	9.2					
3	<b>500</b>							
4	<b>300</b>	11	16.9					
5	<b>175</b>	12	19.9					
6	<b>175</b>			X				
7	<b>150</b>			X				
8	<b>125</b>	13	21.3	X				
9	<b>100</b>			X				
10	<b>75</b>			X				
11	<b>45</b>	14	23.7	X				
12	<b>45</b>				X			
13	<b>25</b>	15,17	24.7	X				
14	<b>25</b>				X			
15	<b>5</b>			X				
16	<b>5</b>				X			
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

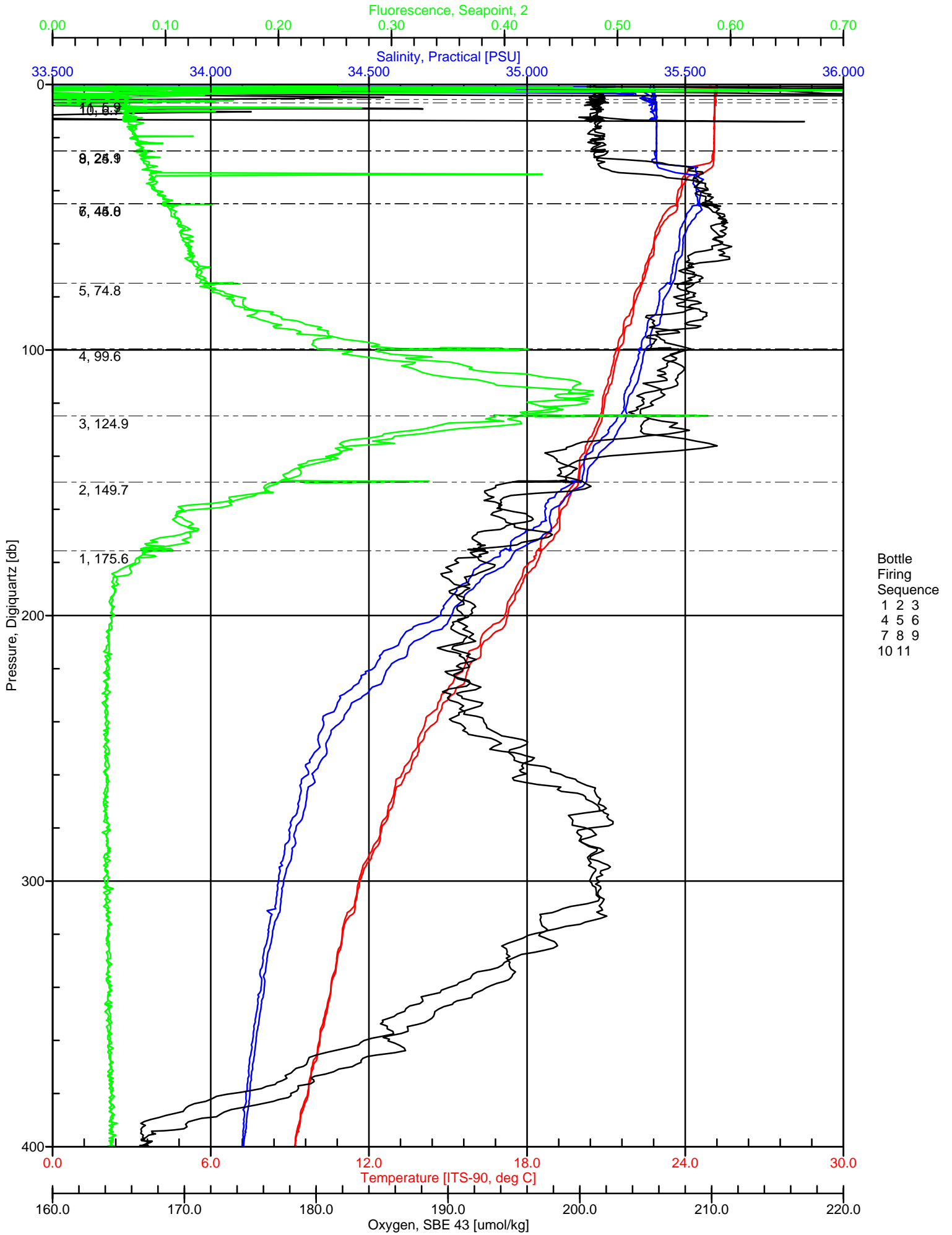
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 10</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT):</b>
<b>Time Start Logging HST: 10:12</b>	<b>Time Start Logging GMT: 20:12</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 1.0186</b>	<b>In water: 20:12</b>
<b>End: -0.1780</b>	<b>Out water: 20:40</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 40.360</b>	<b>Start: 157 58.610</b>
<b>End: 22 40.388</b>	<b>End: 157 58.360</b>
<b>Max Press: 400</b>	<b>Operators: Beyonce</b>

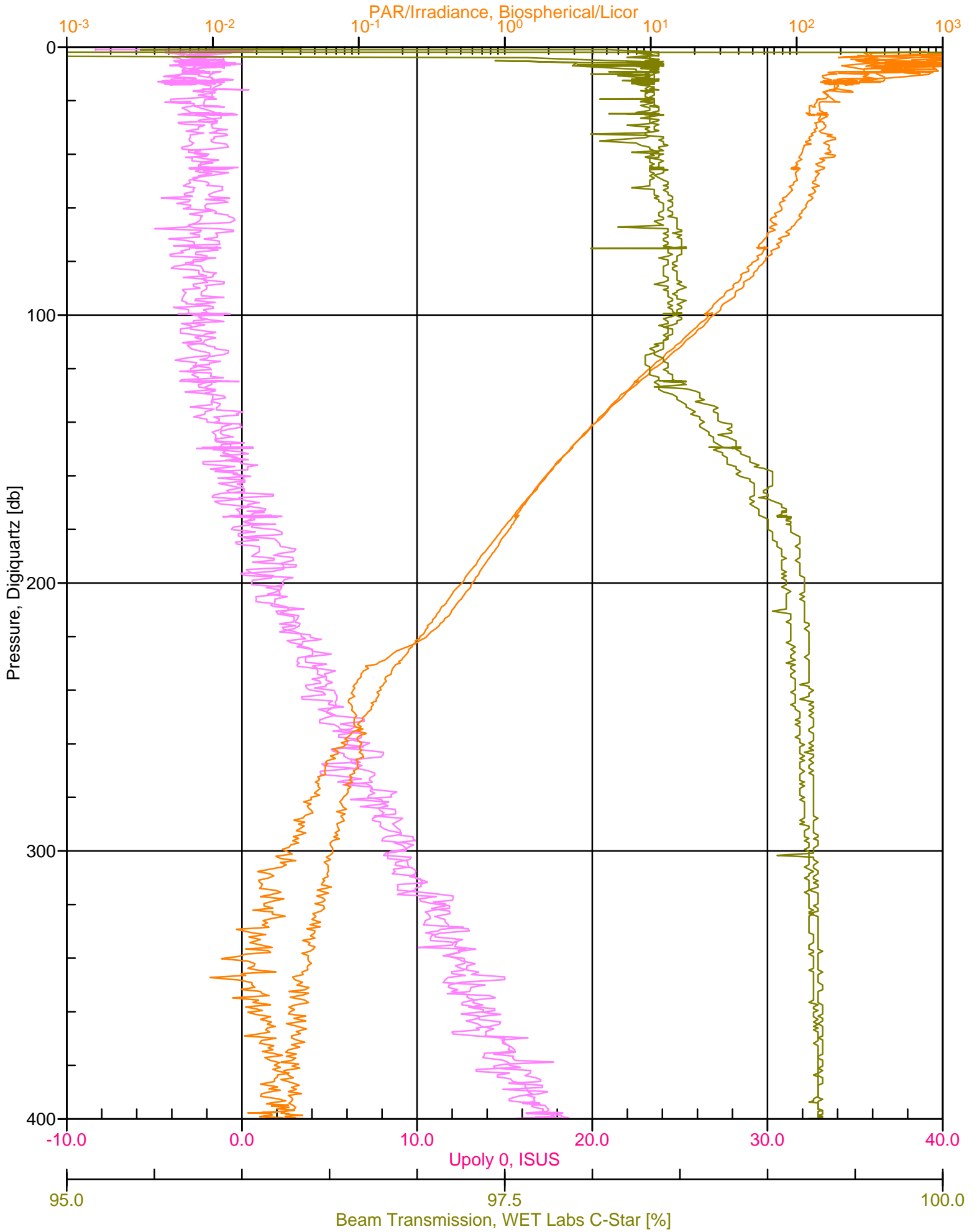
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	20:29	175.6	+	
2	150	20:31	149.7	+	
3	125	20:32	124.8	+	
4	100	20:33	99.6	+	
5	75	20:34	74.8	+	
6	45	20:36	44.9	+	
7	45	20:36	44.9	+	
8	25	20:37	25.0	+	
9	25	20:37	24.9	+	
10	5	20:39	5.9	+	
11	5	20:39	5.9	+	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C10.hex



# KM1412\_S2C10.hex







KM1412

CMORE/AG10

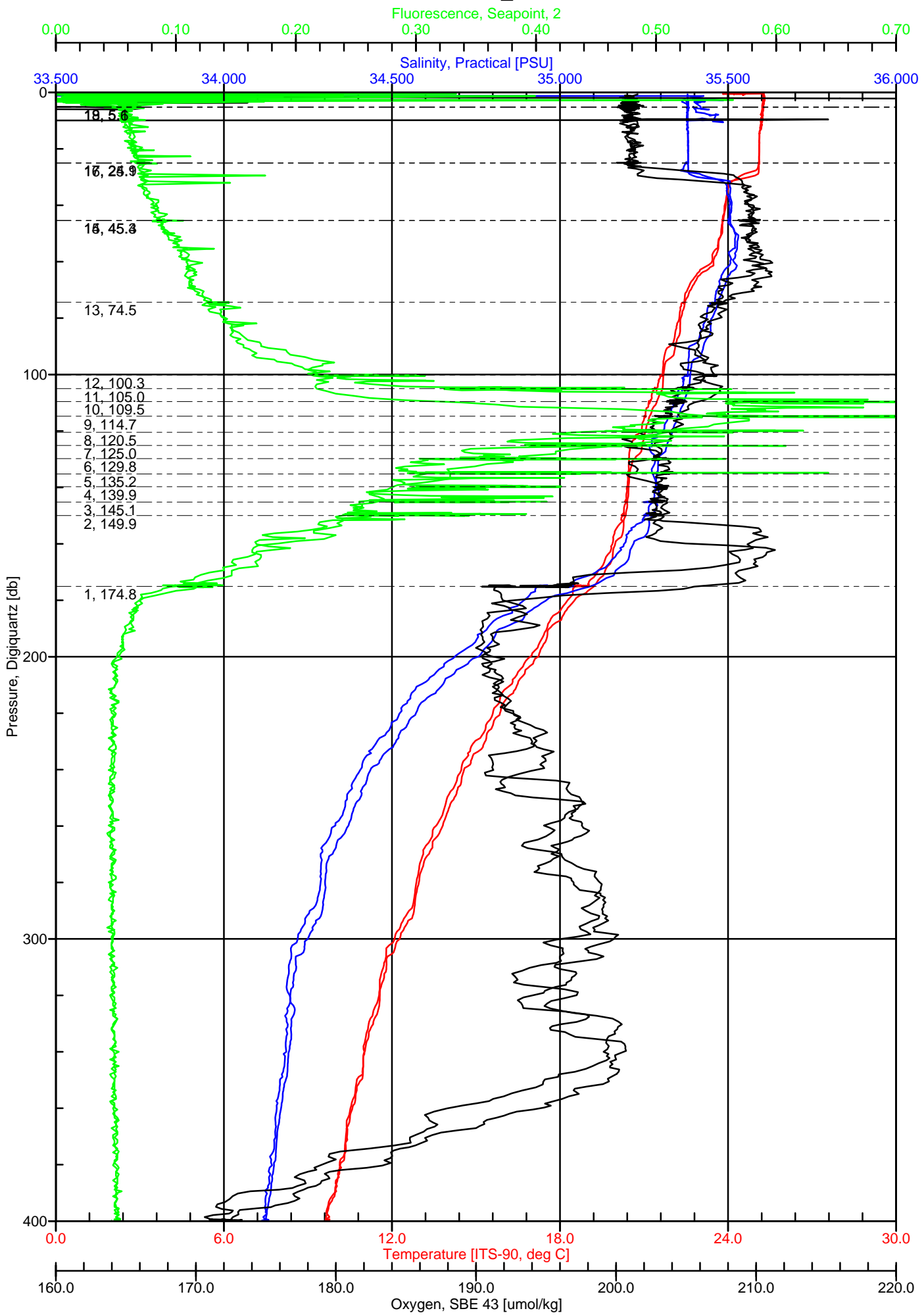
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 11</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/11/14</b>
<b>Time Start Logging HST: 12:08</b>	<b>Time Start Logging GMT: 22:08</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.6176</b>	<b>In water: 22:12</b>
<b>End: -0.2068</b>	<b>Out water: 22:50</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.029</b>	<b>Start: 158 0.016</b>
<b>End: 22 45.007</b>	<b>End: 158 0.007</b>
<b>Max Press: 400</b>	<b>Operators: Beyonce</b>

<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	22:29	175.0	✓	
2	150	22:30	150.0	✓	
3	145	22:31	145.2	✓	
4	140	22:32	139.5	✓	
5	135	22:33	135.2	✓	
6	130	22:33	129.8	✓	
7	125	22:34	125.2	✓	
8	120	22:35	120.4	✓	
9	115	22:36	114.7	✓	
10	110	22:37	109.6	✓	
11	105	22:37	104.9	✓	
12	100	22:38	100.2	✓	
13	75	22:39	74.5	✓	
14	45	22:41	45.46	✓	
15	45	22:41	45.36	✓	
16	25	22:42	25.1	✓	
17	25	22:42	24.9	✓	
18	5	22:44	5.3	✓	
19	5	22:44	5.1	✓	
20					
21					
22					
23					
24					

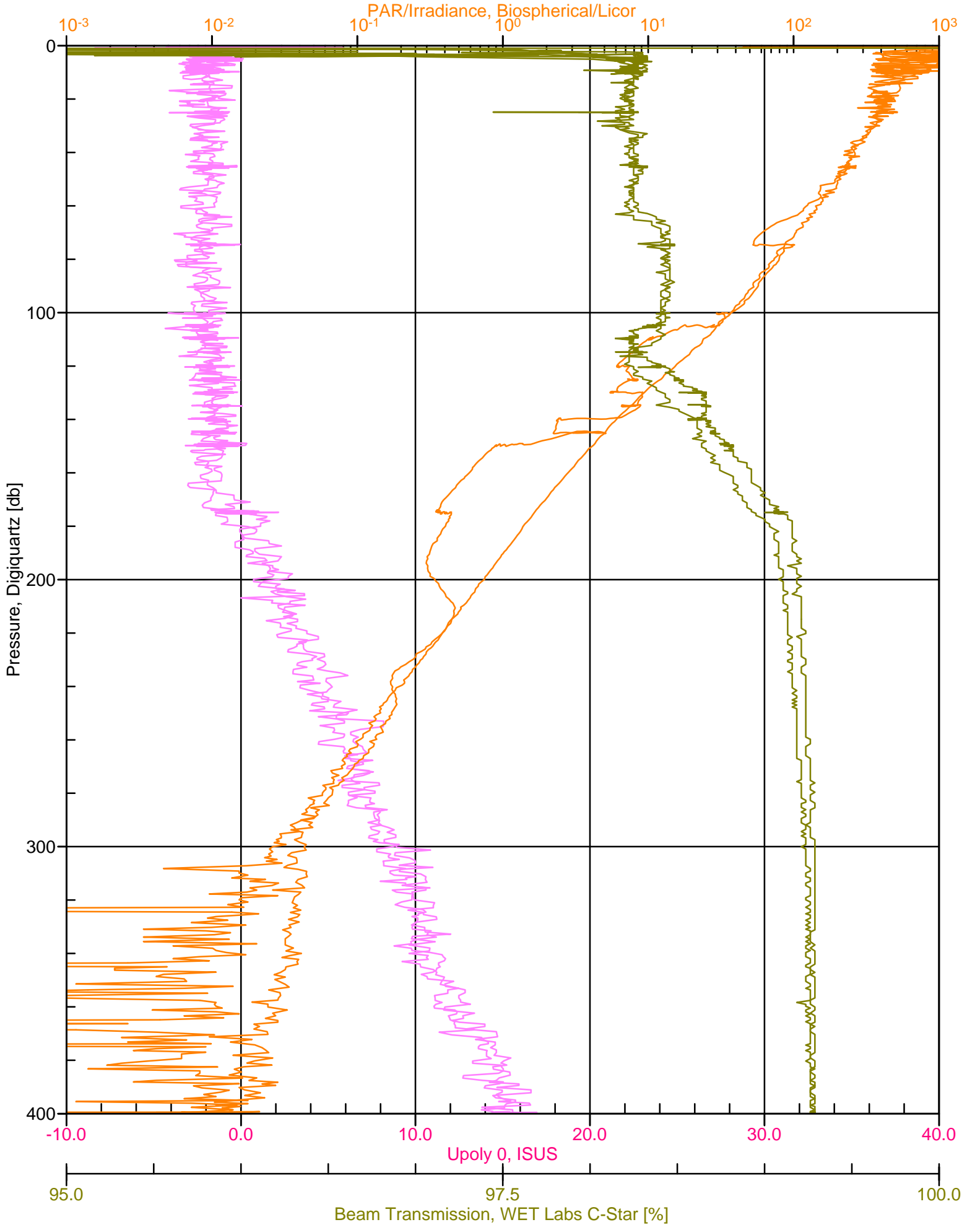
# KM1412\_S2C11.hex



Bottle  
Firing  
Sequence

1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19		

# KM1412\_S2C11.hex





KM1412

CMORE/AG10

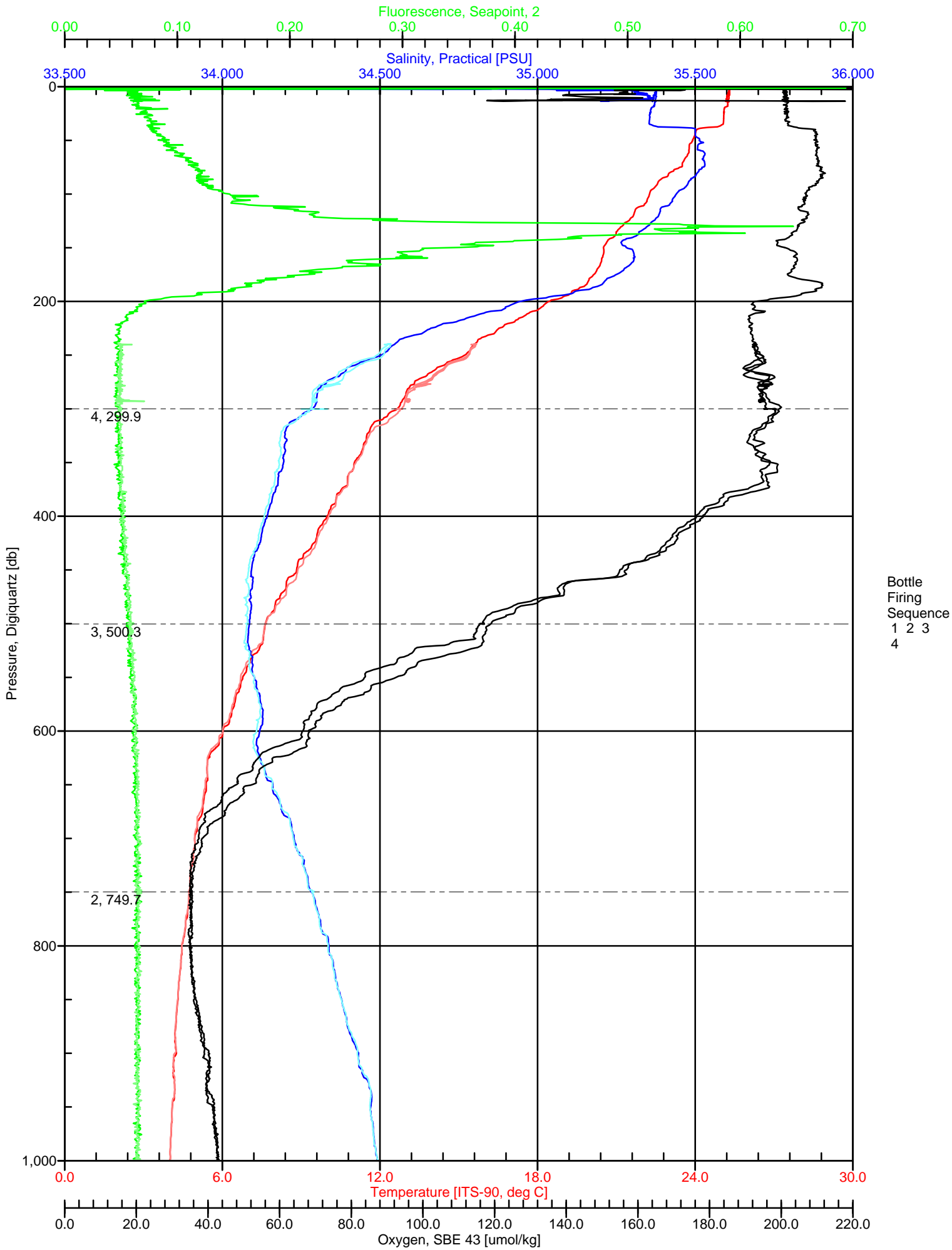
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 12</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 6/12/14</b>
<b>Time Start Logging HST: 14:05</b>	<b>Time Start Logging GMT: 00:05</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.4888</b>	<b>In water: 00:07</b>
<b>End:</b>	<b>Out water: 03:05</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 44.978</b>	<b>Start: 159 59.998</b>
<b>End: 22 44.990</b>	<b>End: 158 0.005</b>
<b>Max Press: 1000</b>	<b>Operators: Beyonce</b>

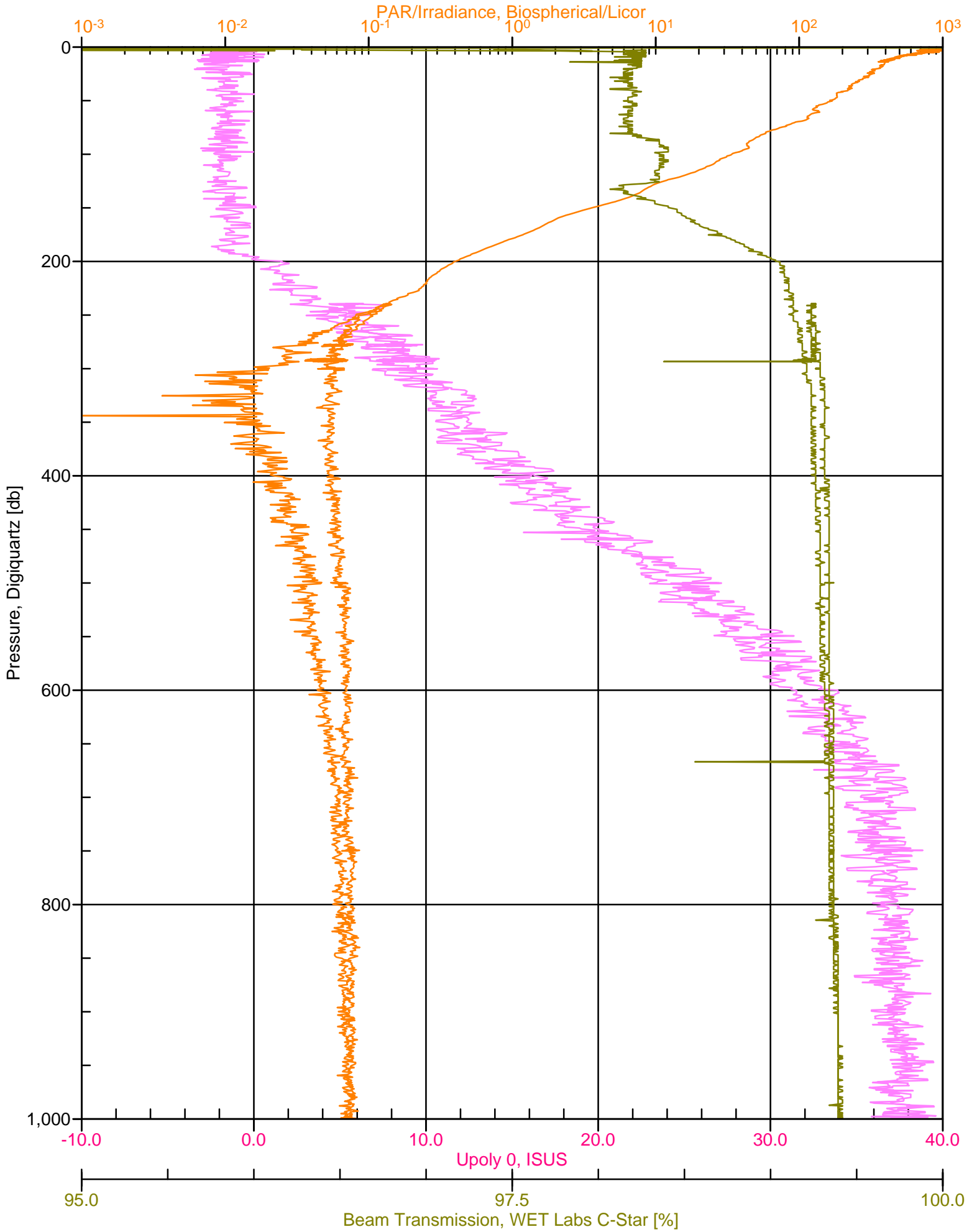
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	<b>CAST ABANDONED</b> <b>Winch Problems, left at depth</b> <b>(300m) until levelwind fixed.</b>
<b>Owned by:</b> OTG	

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

# KM1412\_S2C12.hex



# KM1412\_S2C12.hex





# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station # 2  
 Cast # 12  
 Operator(s): \_\_\_\_\_

Date: 06/11/14 (HST)  
 CTD Start Time: 14:00 (HST)  
 Target depth: 1000 (m)

Rosette Position	Depth (m)	Nuts	LLP/LLN	PC/PN 4L	PPO4 4L	PvsE		
1	<b>1000</b>	1						
2	<b>750</b>	2						
3	<b>500</b>	3						
4	<b>300</b>	4						
5	<b>175</b>	5						
6	<b>175</b>			6(7)	6(7)			
7	<b>150</b>	7						
8	<b>150</b>			8(8)	8(8)			
9	<b>125</b>	9						
10	<b>125</b>			10(9)	10(9)			
11	<b>125</b>					X		
12	<b>100</b>		12					
13	<b>100</b>			13(10)	13(10)			
14	<b>75</b>		14					
15	<b>75</b>			15(11)	15(11)			
16	<b>45</b>		16					
17	<b>45</b>			17(12)	17(12)			
18	<b>45</b>							
19	<b>25</b>		19					
20	<b>25</b>			20(13)	20(13)			
21	<b>25</b>					X		
22	<b>5</b>			22(14)	22(14)			
23	<b>5</b>		23					
24	<b>5</b>							

**Notes:**

**CAST ABANDONED – WINCH PROBLEMS – NO WATER**

KM1412

CMORE/AG10

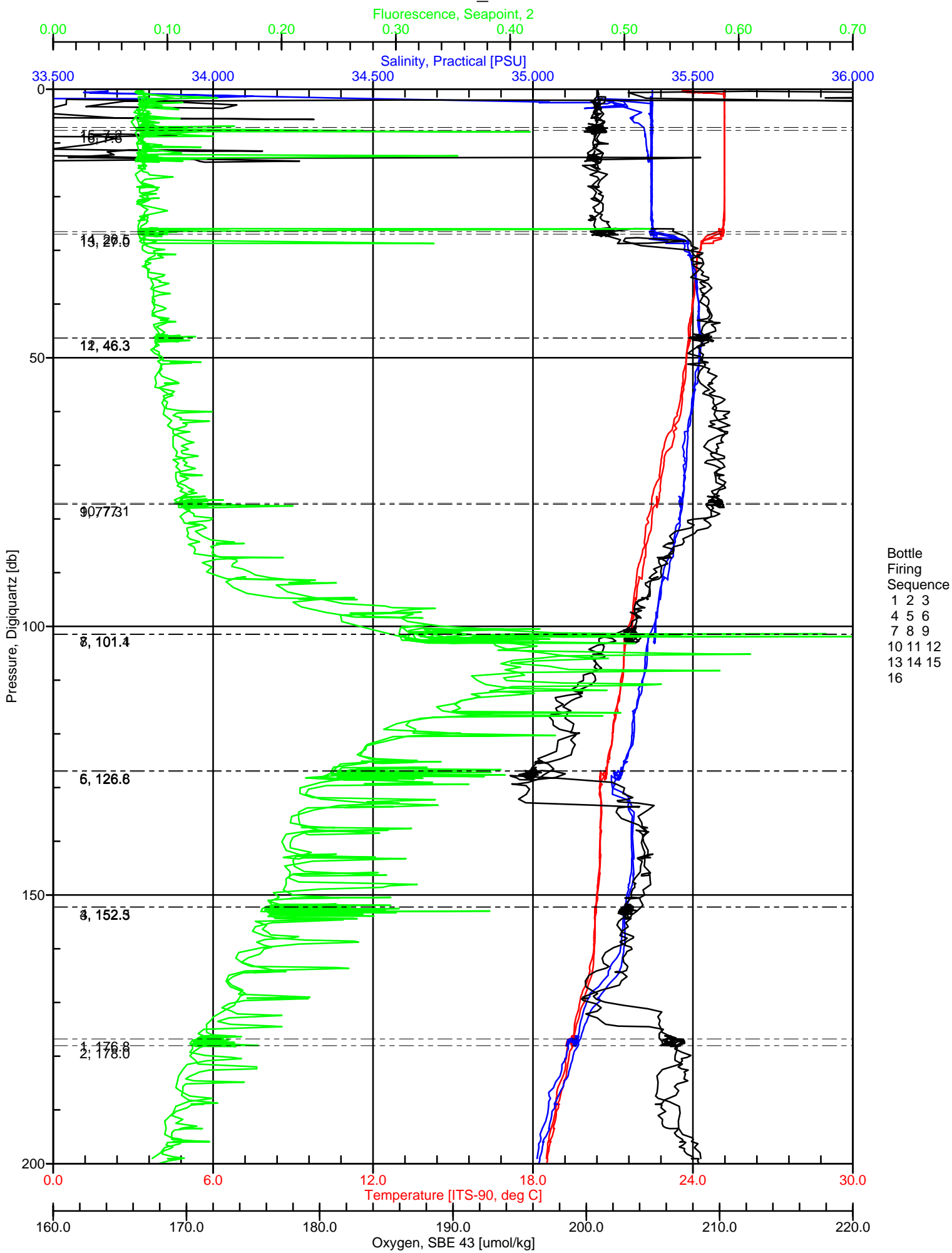
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 13</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT):</b>
<b>Time Start Logging HST: 0253</b>	<b>Time Start Logging GMT: 1253</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.6814</b>	<b>In water: 1256</b>
<b>End: -0.1850</b>	<b>Out water: 1325</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45 000</b>	<b>Start: 158 0.000</b>
<b>End: 22 44.990</b>	<b>End: 157 59.998</b>
<b>Max Press: 203</b>	<b>Operators: nerdgasm</b>

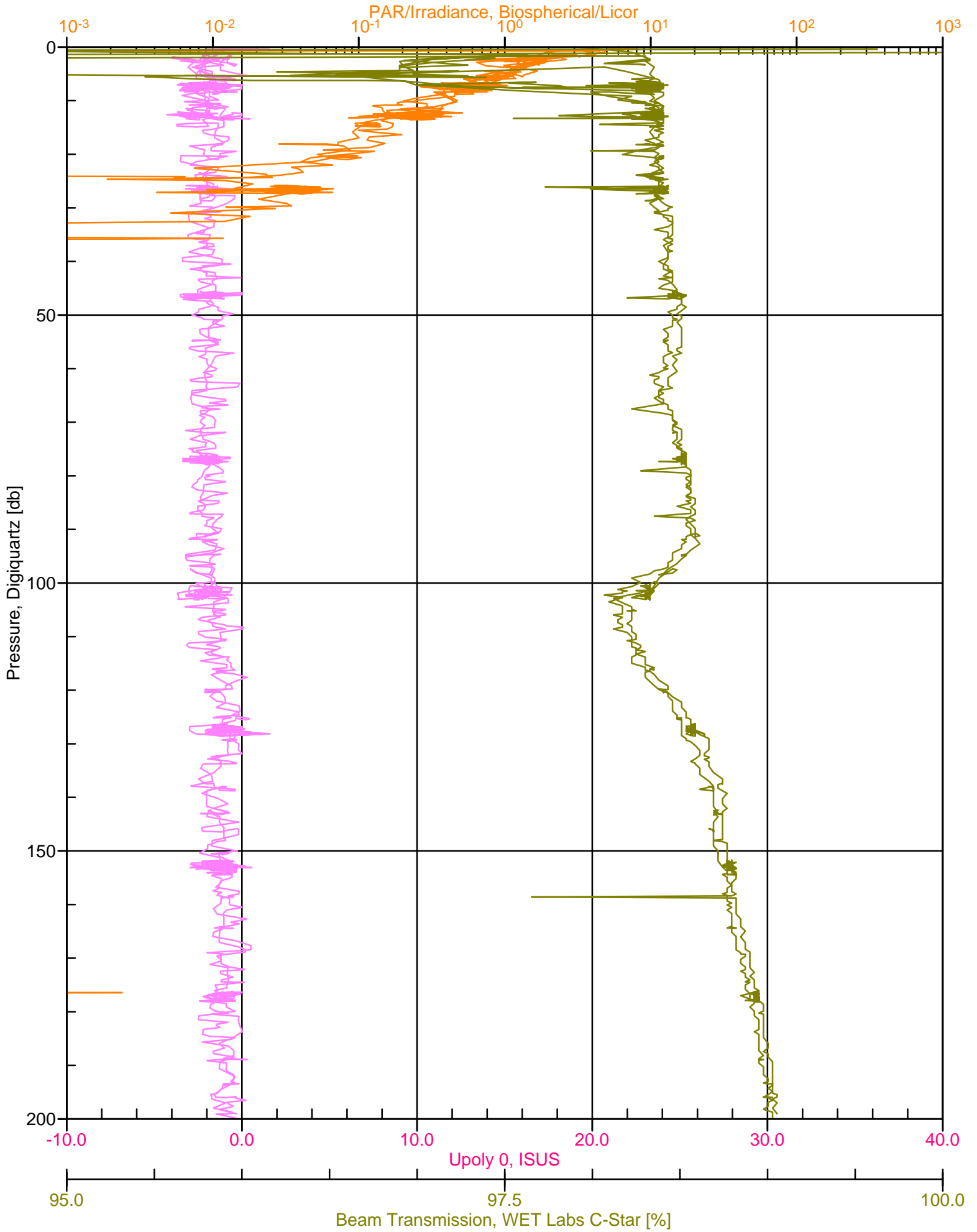
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	13.08	176.6	X	
2	175	13 08	177.7	X	
3	150	13 10	152.2	X	
4	150	13 11	152.5	X	
5	125	13 12	126.9	X	
6	125	13 12	126.8	X	
7	100	13 14	101.1	X	
8	100	13 15	101.4	X	
9	75	13 16	77.2	X	
10	75	13 16	77.0	X	
11	45	13 18	46.2	X	
12	45	13 18	46.4	X	
13	25	13 20	27.1	X	
14	25	13 20	26.9	X	
15	5	13 22	7.3	X	
16	5	13 22	7.6	X	
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C13.hex



# KM1412\_S2C13.hex





KM 1412

CMORE/AG10

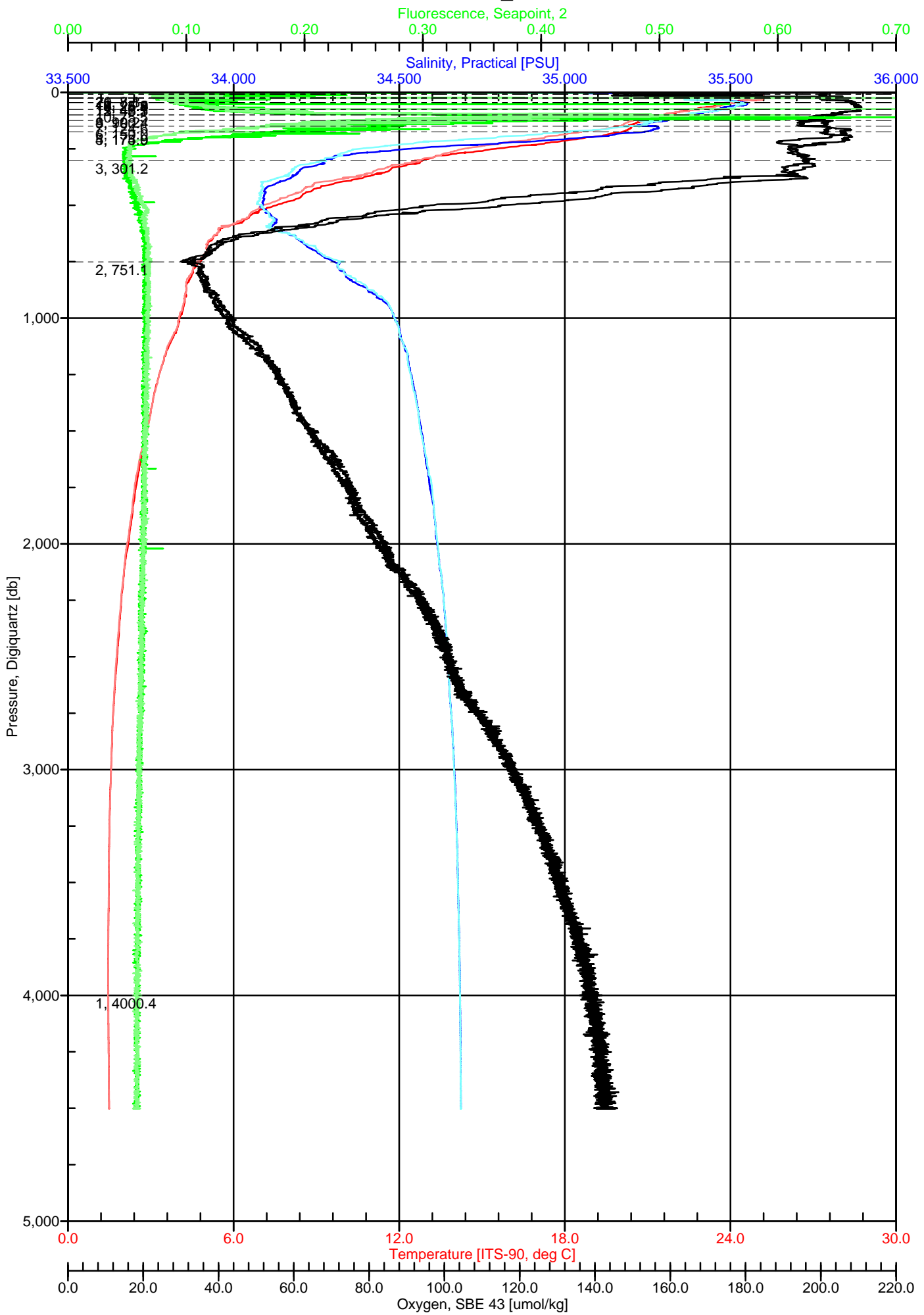
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast:14</b>
<b>Bottom (m): 4725</b>	<b>Date (GMT): 06/12/14</b>
<b>Time Start Logging HST: 0612</b>	<b>Time Start Logging GMT: 1612</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.6818</b>	<b>In water: 1616</b>
<b>End: 0.8857</b>	<b>Out water: 1934</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 21 44.96</b>	<b>Start: 158 59.414</b>
<b>End: 22 44.926</b>	<b>End: 158 59.422</b>
<b>Max Press: 4501</b>	<b>Operators: Nerdgasm</b>

<b>CTD</b>	<b>Comments:</b>
Y PAR Y ISUS Y Xmiss <input type="checkbox"/> FluorWet Y FluorSea1 Y FluorSea2	
<b>Owned by:</b>	
OTG	

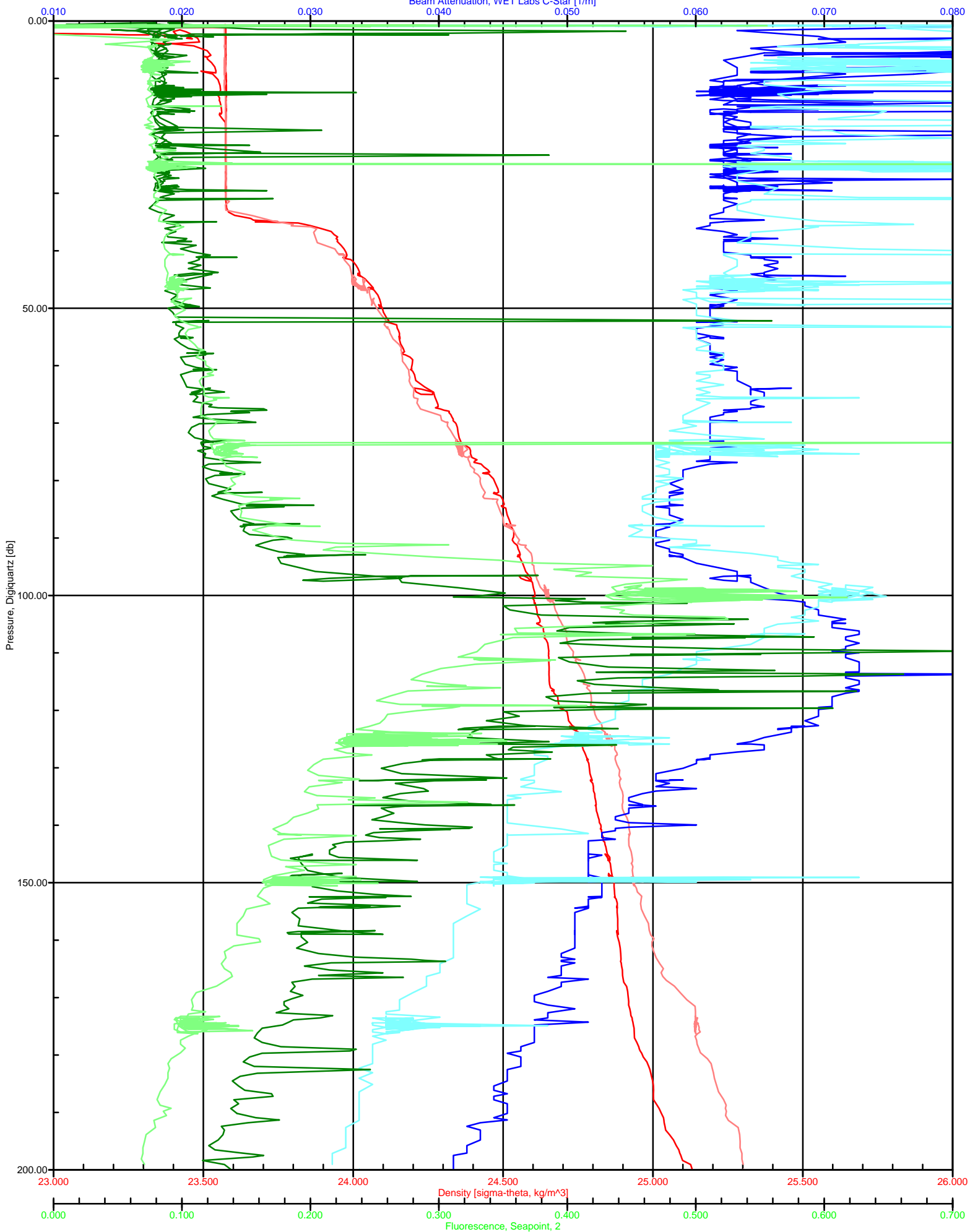
Niskin	Target Depth	Time Stopped	Pressure	Confirm Trip	Comments
1	4000	1806	4000.2	X	
2	750	1903	749.50	X	
3	300	1912	300.6	X	
4	175	1915	174.39	X	
5	175		174.89	X	
6	150	1918	149.89	X	
7	125	1920	125.24	X	
8	100	1923	99.97	X	
9	100		100.31	X	
10	75	1925	75.4	X	
11	45	1927	45.26	X	
12	45		45.94	X	
13	45		46.27	X	
14	25	1929	25.46	X	
15	25		25.89	X	
16	25		25.48	X	
17	25		25.91	X	
18	25		25.53	X	
19	25		25.53	X	
20	5	1932	7.45	X	
21	5		8.92	X	
22					
23					
24					

# KM1412\_S2C14.hex



KM1412\_S2C14.hex

Beam Attenuation, WET Labs C-Star [1/m]





**CMORE/AG10**  
**KM1412**  
**CTD Data Sheet**

Station # 2  
 Cast # 14  
 Operator(s): Nerdgasm

Date: 06/12/14 (HST)  
 CTD Start Time: 0600 (HST)  
 Target depth: 4500 (m)

Rosette Position	Depth (m)	O2	Temp C	Div	SF	FRRF	PvE	
1	4000			X				
2	750	1,2	9.4					
3	300	3	17.3					
4	175					X		
5	175	4	19.6					
6	150					X		
7	125					X	X	
8	100	5	21.9					
9	100					X		
10	75					X		
11	45					X		
12	45	6	24.1					
13	45				X			
14	25					X	X	
15	25	7,8	25.0					
16	25				X			
17	25			X				
18	25				X			
19	25				X			
20	5					X		
21	5				X			
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

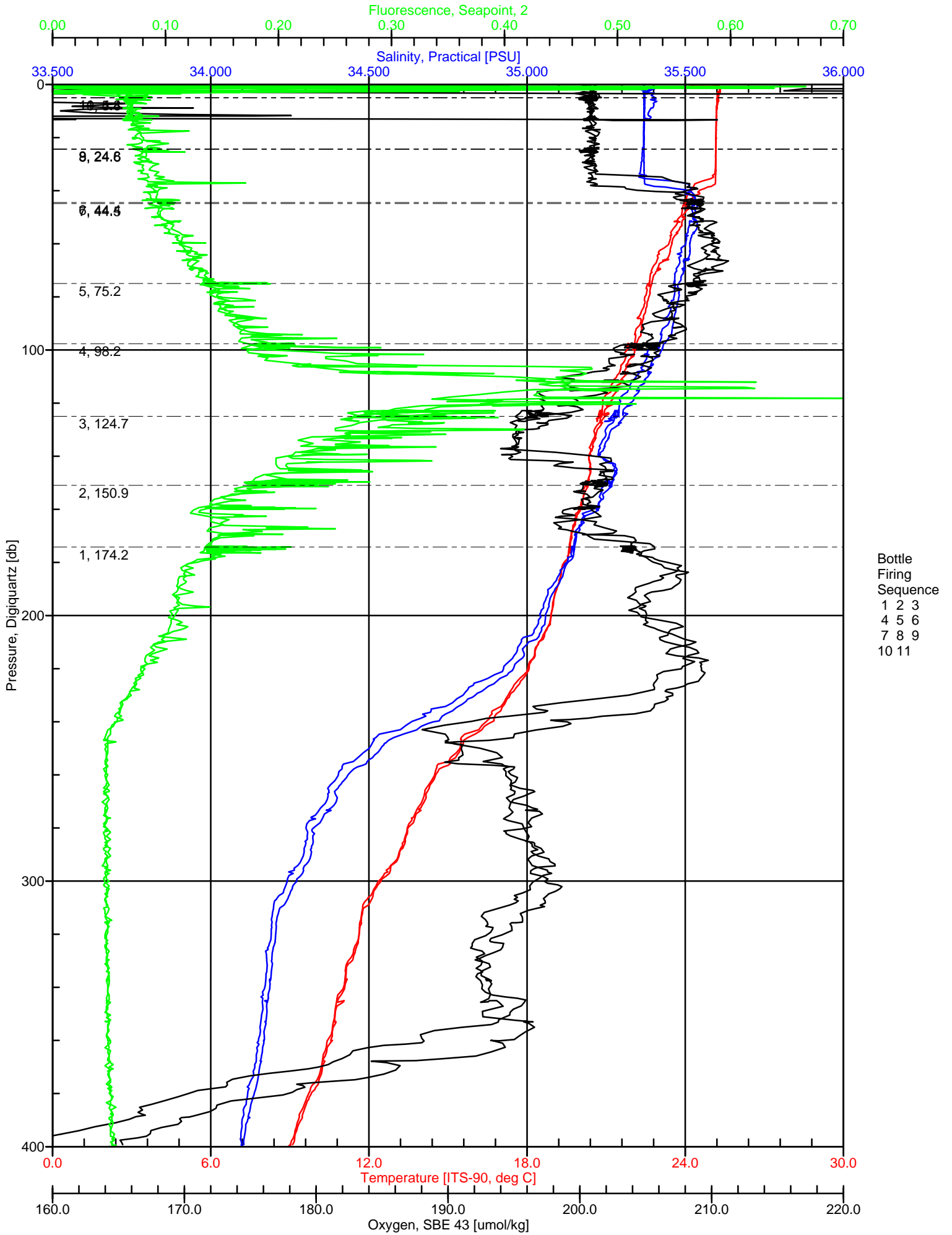
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 15</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT):</b>
<b>Time Start Logging HST: 1156</b>	<b>Time Start Logging GMT:2156</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.9330</b>	<b>In water: 2157</b>
<b>End: -0.2129</b>	<b>Out water: 2231</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.000</b>	<b>Start: 157 59.998</b>
<b>End: 22 44.984</b>	<b>End: 157 59.998</b>
<b>Max Press: 400.293</b>	<b>Operators: Nergasm</b>

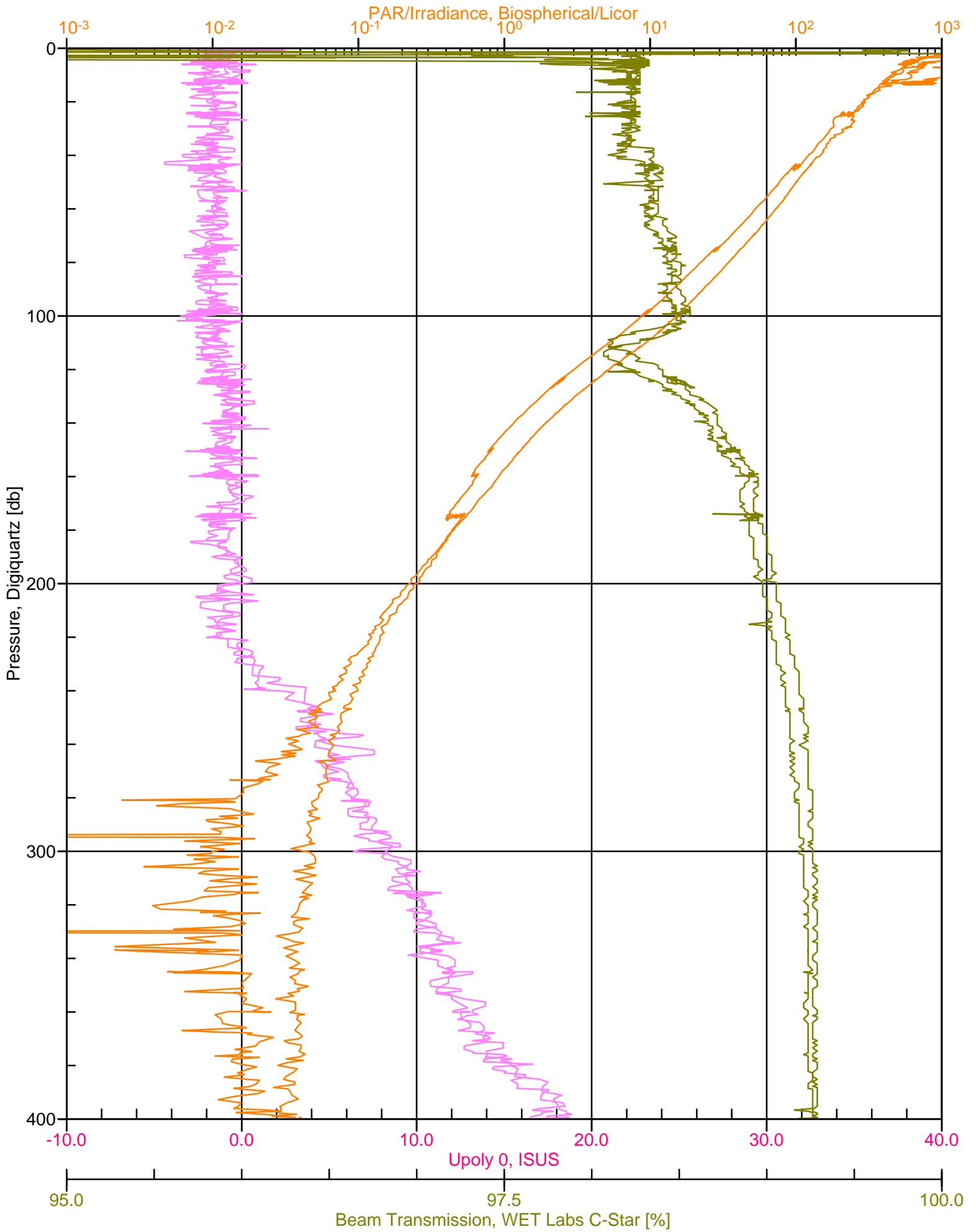
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	22.18	174.21	X	
2	150	22.20	150.51	X	
3	125	22.22	123.16	X	
4	100	22.23	98.76	X	
5	75	22.24	74.17	X	
6	45	22.26	44.04	X	
7	45	22.26	44.34	X	
8	25	22.27	24.16	X	
9	25	22.27	25.44	X	
10	5	22.29	4.84	X	
11	5	22.29	5.43	X	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C15t.hex



# KM1412\_S2C15t.hex





KM1412

CMORE/AG10

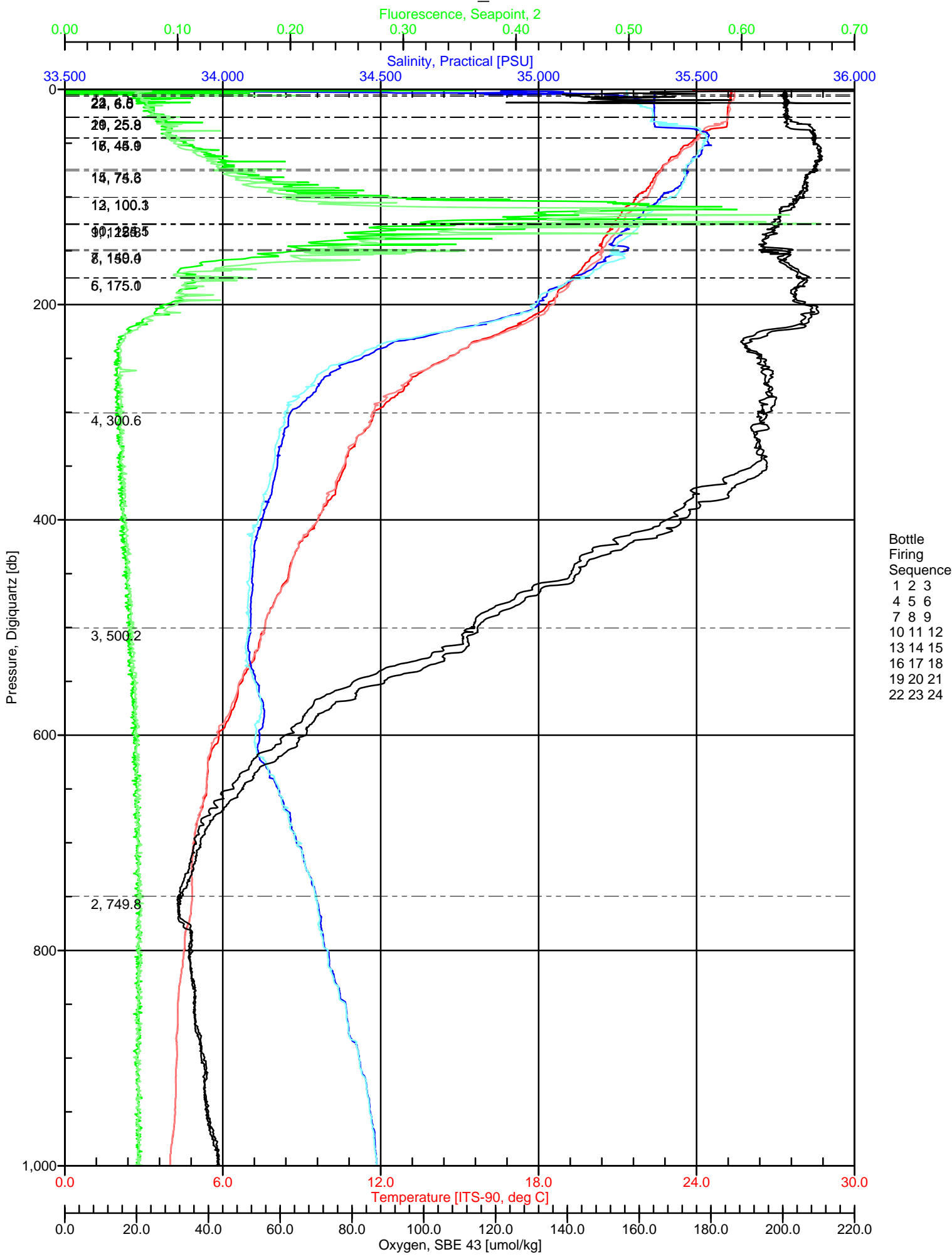
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 16</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/12/14</b>
<b>Time Start Logging HST: 1758</b>	<b>Time Start Logging GMT:2358</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.656</b>	<b>In water: 2358</b>
<b>End: -0.314</b>	<b>Out water: 0055</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.001</b>	<b>Start: 158 59.984</b>
<b>End: 22 45.024</b>	<b>End: 158 59.994</b>
<b>Max Press: 400.293</b>	<b>Operators: Nergasm</b>

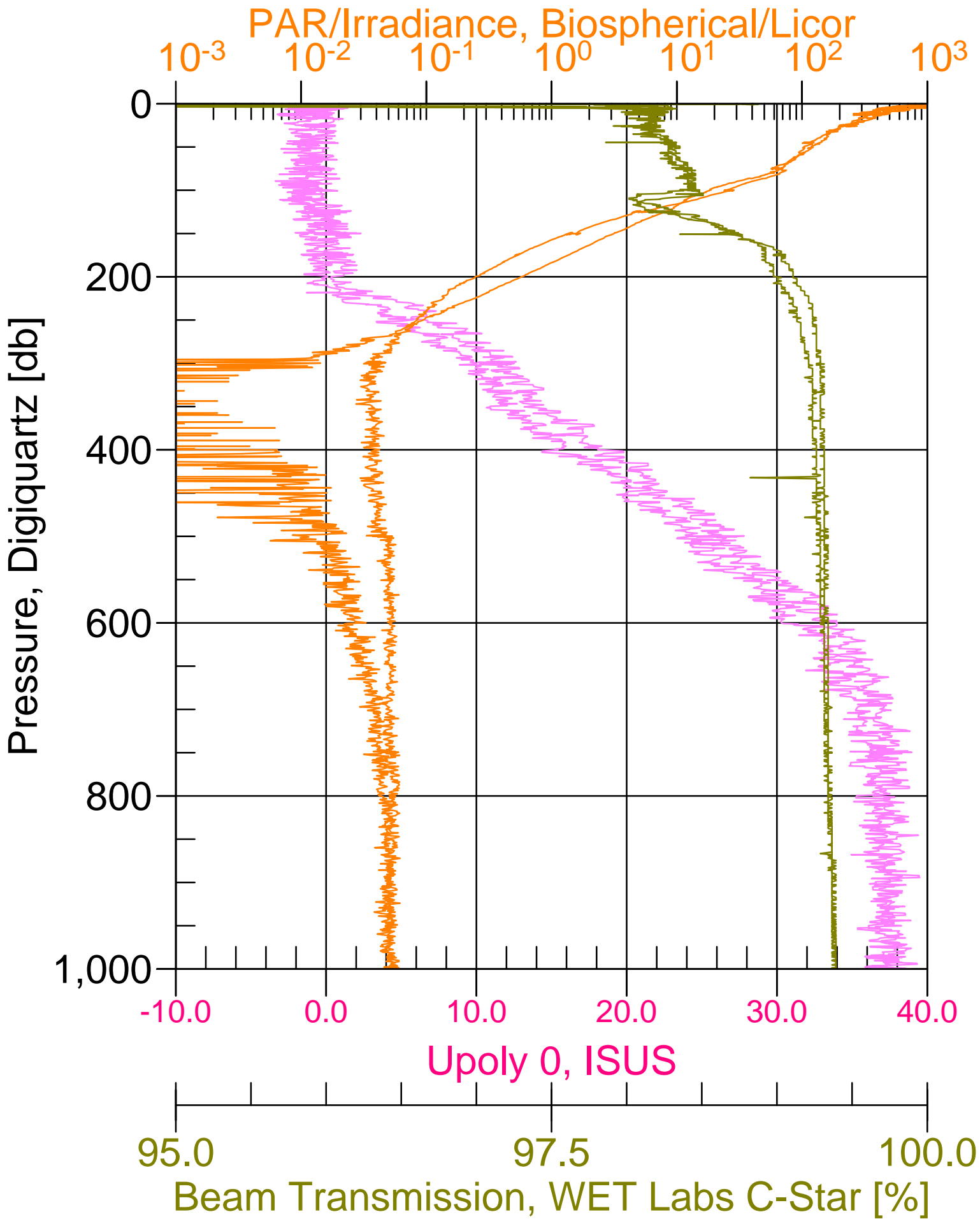
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	1000	00.22	1000.2	x	
2	750	00.28	749.52	X	
3	500	00.33	500.37	X	
4	300	00.38	300.61	X	
5	175	00.40	175.34	X	
6	175		175.06	X	
7	150	00.42	149.43	X	
8	150		149.99	X	
9	125	00.43	125.61	X	
10	125		124.77	X	
11	125		125.08	X	
12	100	00.45	100.34	X	
13	100		100.25	x	
14	75	00.47	75.63	X	
15	75		74.40	X	
16	45	00.48	45.08	X	
17	45		45.14	X	
18	45		44.85	X	
19	25	00.50	25.60	X	
20	25		26.20	X	
21	25		25.81	X	
22	5	00.52	6.1	X	
23	5		5.22	X	
24	5		6.36	X	

# KM1412\_S2C16.hex



# KM1412\_S2C16.hex







**CMORE/AG-10**  
**KM1412**  
**CTD Data Sheet**

Station # 2  
 Cast # 16  
 Operator(s): \_\_\_\_\_

Date: 06/12/14 (HST)  
 CTD Start Time: 14:00 (HST)  
 Target depth: 1000 (m)

Rosette Position	Depth (m)	ATP 4L	ATP TUBE	Bact. Chl	FRRF	S.F.	
1	1000						
2	750						
3	500						
4	300						
5	175			X	X		
6	175						
7	150				X		
8	150						
9	125	1	28,29,30	X	X		
10	125						
11	125						
12	100	2	31,32,33		X		
13	100						
14	75	3	34,35,36	X	X		
15	75						
16	45	4	37,38,39		X		
17	45						
18	45					X	
19	25	5	40,41,42	X	X		
20	25						
21	25				X	X	
22	5						
23	5	6	43,44,45		X		
24	5					X	

**Notes:**

KM1412

CMORE/AG10

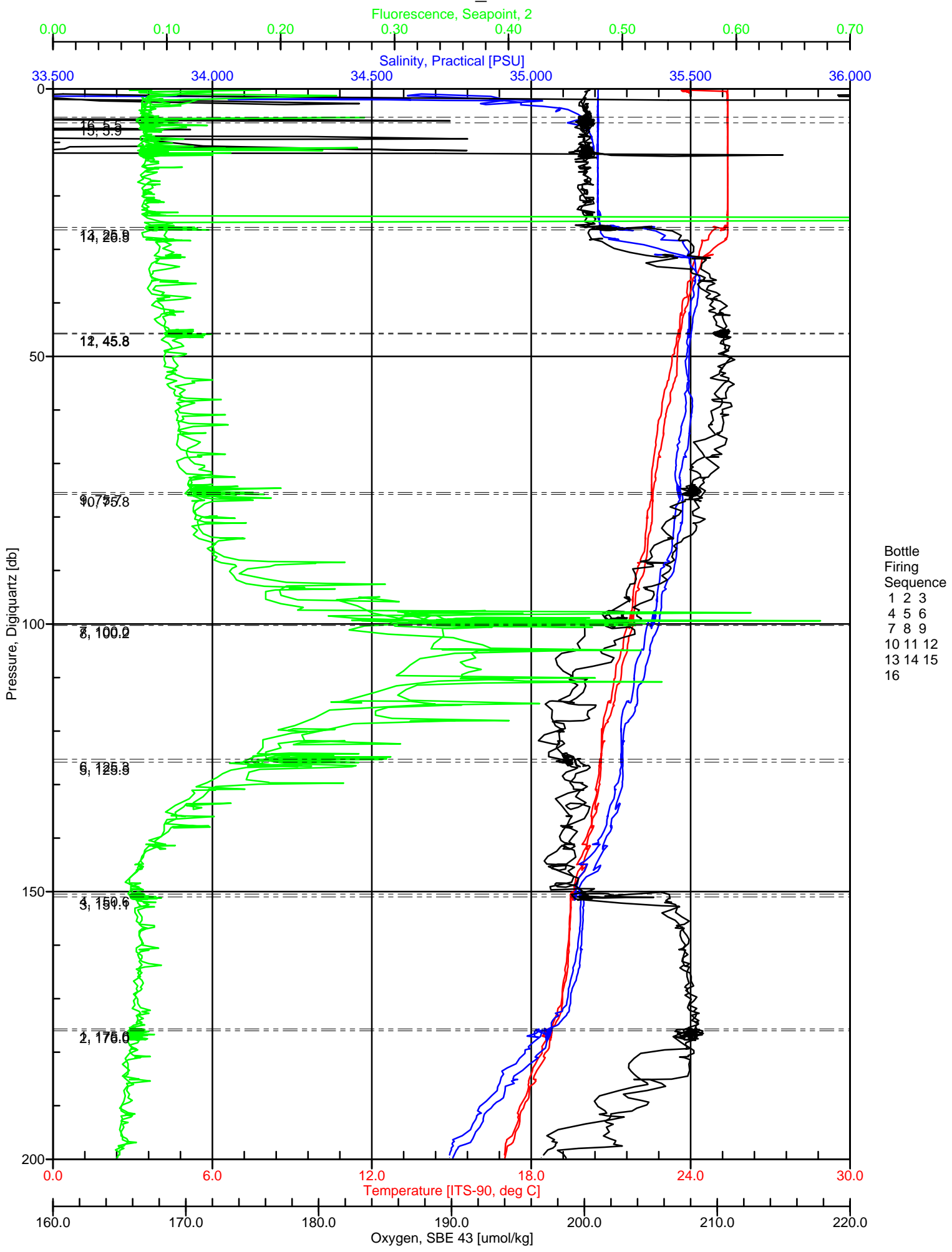
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 17</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/13/14</b>
<b>Time Start Logging HST: 02:55</b>	<b>Time Start Logging GMT: 12:55</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.6004</b>	<b>In water: 13:00</b>
<b>End: -0.2299</b>	<b>Out water: 13:32</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45 002</b>	<b>Start: 158 0 005</b>
<b>End: 22 44 888</b>	<b>End: 158 0 000</b>
<b>Max Press:</b>	<b>Operators:</b>

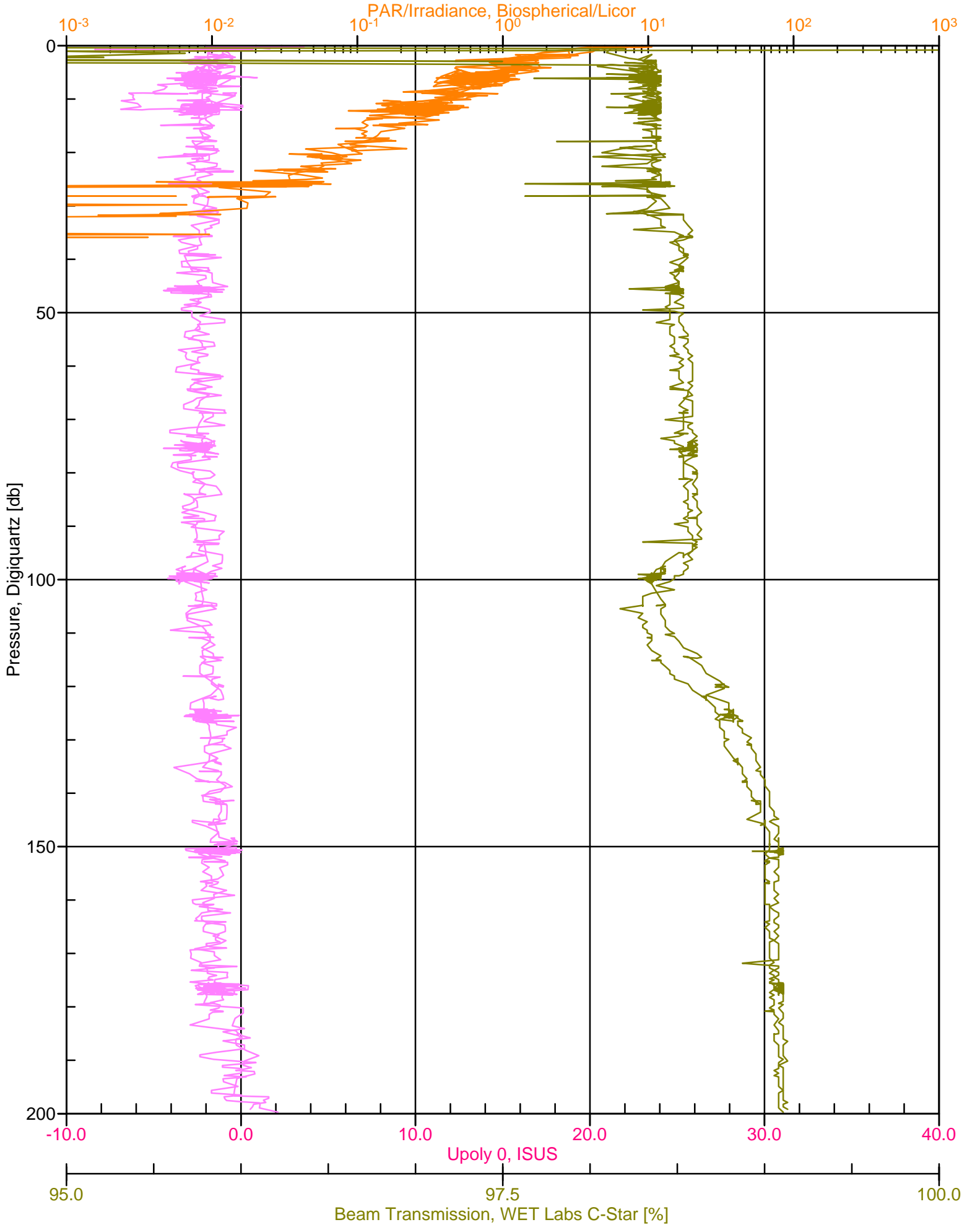
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	13:14	176.1	X	
2	175	13:14	175.5	X	
3	150	13:16	150.6	X	
4	150	13:17	150.5	X	
5	125	13:18	126.6	X	
6	125	13:19	125.4	X	
7	100	13:20	99.9	X	
8	100	13:21	98.8	X	
9	75	13:23	74.9	X	
10	75	13:23	75.5	X	
11	45	13:25	45.85	X	
12	45	13:25	45.35	X	
13	25	13:26	26.03	X	
14	25	13:27	26.30	X	
15	5	13:29	06.8	X	
16	5	13:29	05.1	X	
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C17.hex



# KM1412\_S2C17.hex





KM1412

CMORE/AG10

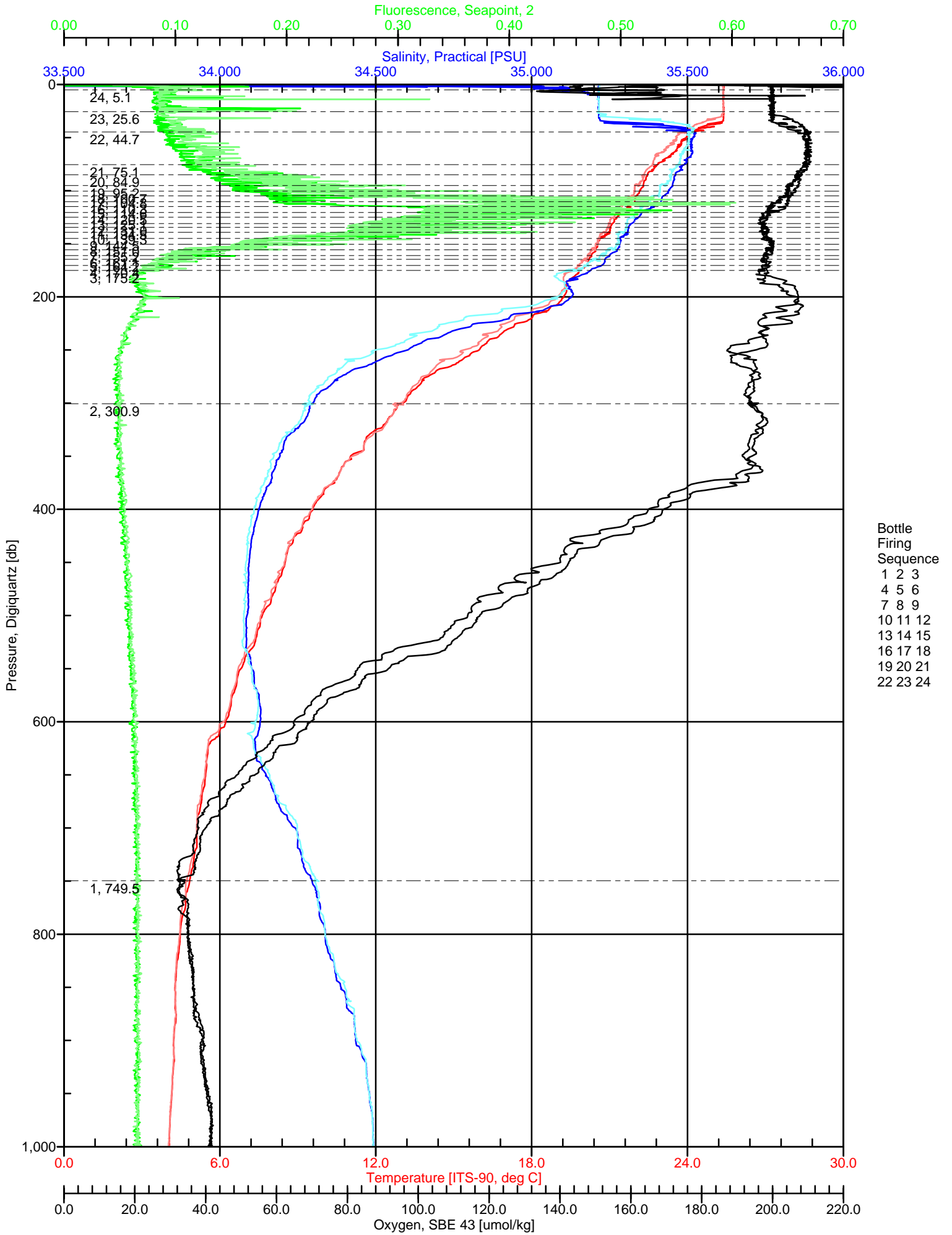
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 18</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/13/14</b>
<b>Time Start Logging HST: 05:58</b>	<b>Time Start Logging GMT: 15:58</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.67</b>	<b>In water: 16:00</b>
<b>End: 0.19</b>	<b>Out water: 17:15</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 44 866</b>	<b>Start: 157 59 347</b>
<b>End: 22 44 784</b>	<b>End: 157 59 339</b>
<b>Max Press: 999.85</b>	<b>Operators: HOT- ORGASSMM</b>

<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b>Owned by:</b> OTG	

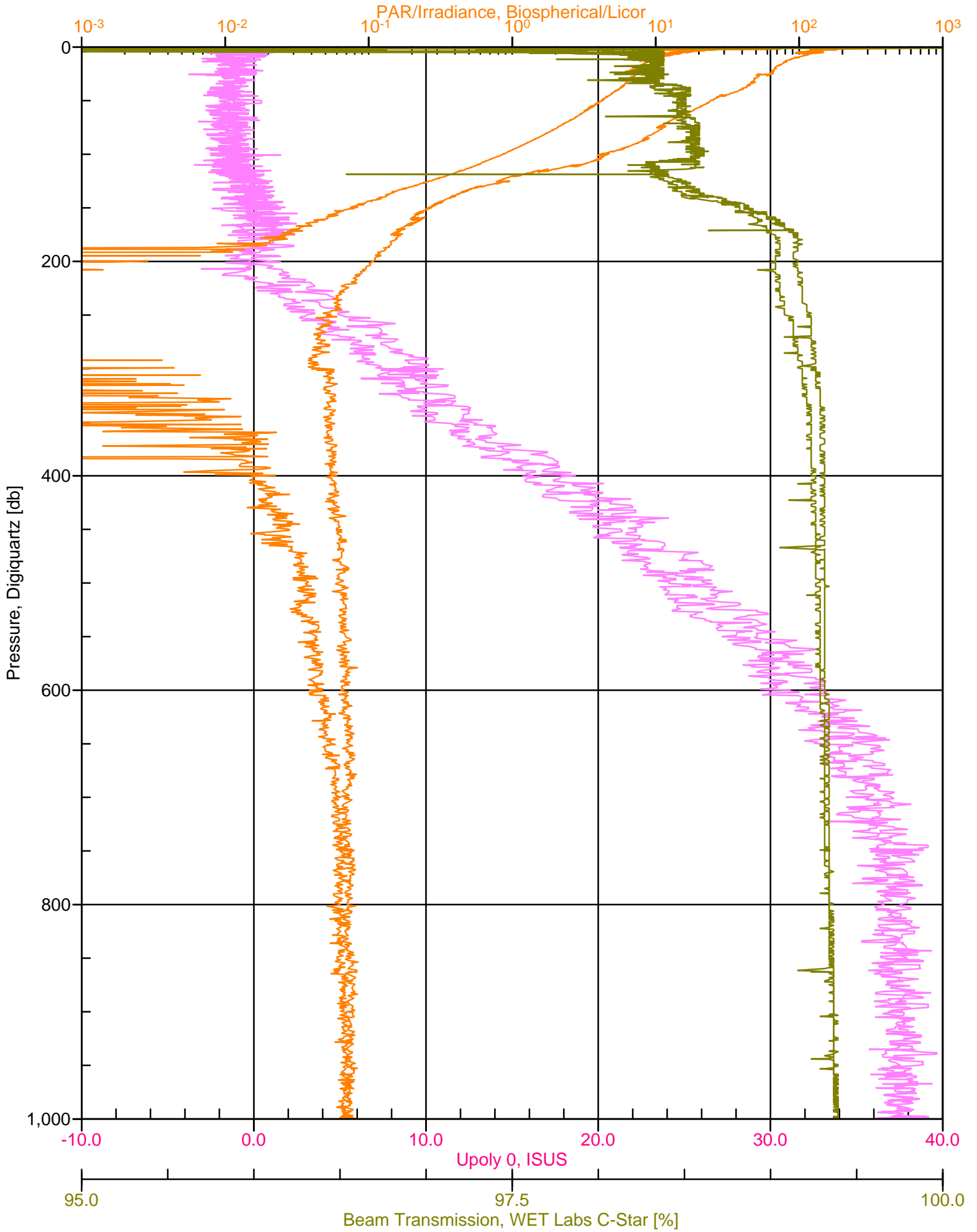
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	750	16:36	749.9	x	
2	300	16:44	300.34	x	
3	175	16:47	174.69	x	
4	170	16:48	170.22	x	Closed at surface
5	165	16:49	165.4	x	
6	160	16:50	160.6	x	
7	155	16:51	155.8	x	
8	150	16:52	149.8	x	
9	145	16:53	145.8	x	
10	140	16:54	139.5	x	
11	135	16:55	134.9	x	
12	130	16:56	131.2	x	
13	125	16:57	124.9	x	
14	120	16:59	120.26	x	
15	115	17:00	115.53	x	
16	110	17:01	111.46	x	
17	105	17:02	105.2	x	
18	100	17:03	100.17	x	
19	95	17:05	94.85	x	
20	85	17:06	85.42	x	
21	75	17:07	75.02	x	
22	45	17:10	44.85	x	
23	25	17:11	25.66	x	Fish/jellyfish material on lanyard
24	5	17:13	5.17	x	Fish/jellyfish material on lanyard

# KM1412\_S2C18.hex





# KM1412\_S2C18.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station # 2  
 Cast # 18  
 Operator(s): \_\_\_\_\_

Date: 06/13/14 (HST)  
 CTD Start Time: 0600 (HST)  
 Target depth: 1000 (m)

Rosette Position	Depth (m)	Div	SF	FRRF	PvE	FCM		
1	750	X						
2	300	X						
3	175			X		X		
4	170					X		
5	165					X		
6	160					X		
7	155					X		
8	150			X		X		
9	145					X		
10	140					X		
11	135					X		
12	130					X		
13	125			X	X	X		
14	120					X		
15	115					X		
16	110					X		
17	105					X		
18	100			X		X		
19	95					X		
20	85					X		
21	75			X		X		
22	45		X	X		X		
23	25	X	X	X	X	X		
24	5		X	X		X		

**Notes:**

**Bottle #4 Closed at surface, not depth**

KM1412

CMORE/AG10

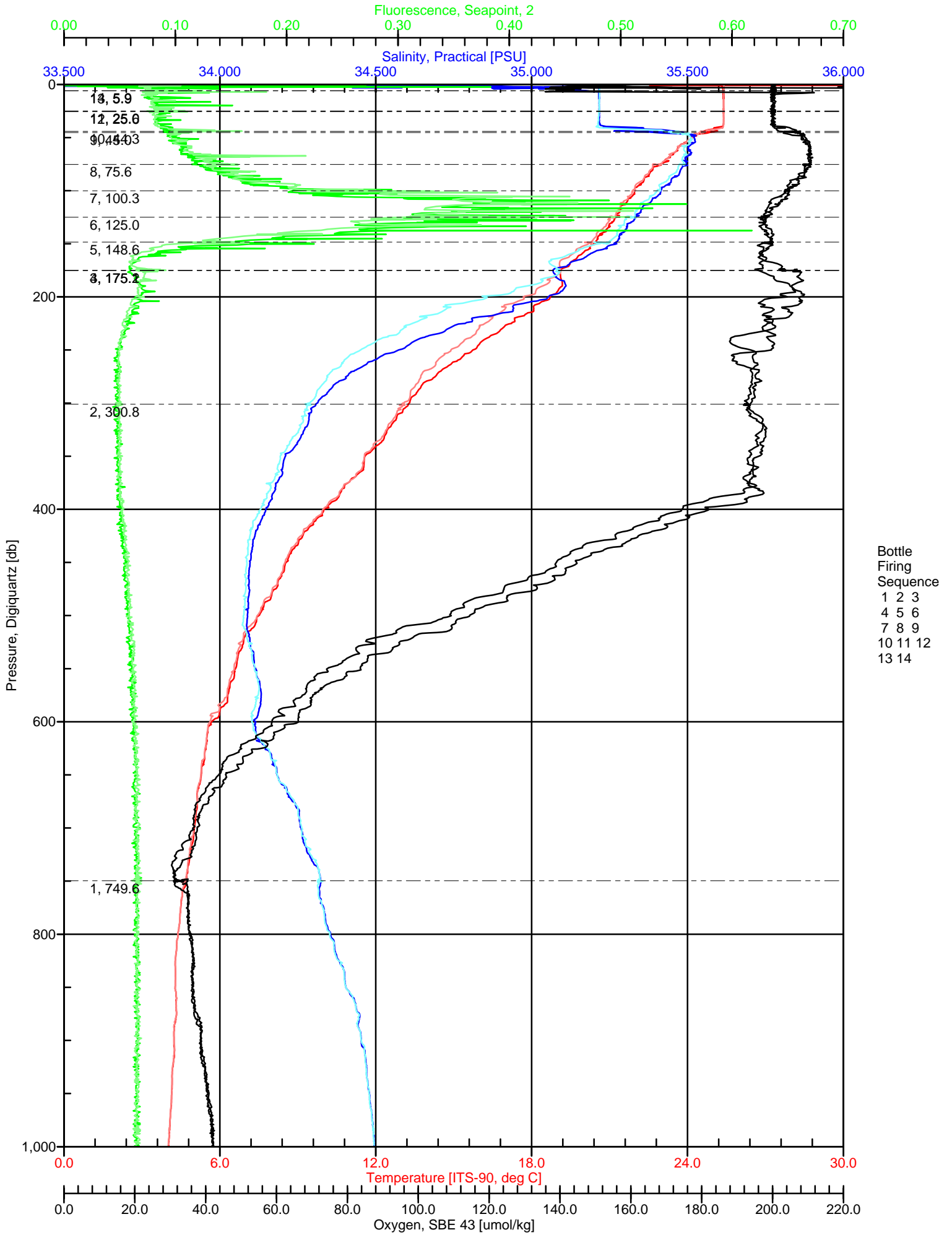
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 19</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT):</b>
<b>Time Start Logging HST: 08:05</b>	<b>Time Start Logging GMT: 18:05</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.961</b>	<b>In water: 18:05</b>
<b>End: -0.3020</b>	<b>Out water: 19:04</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 44 682</b>	<b>Start: 157 55 334</b>
<b>End: 22 44 669</b>	<b>End: 157 59 332</b>
<b>Max Press: 1000</b>	<b>Operators: HOT- ORGASSMM</b>

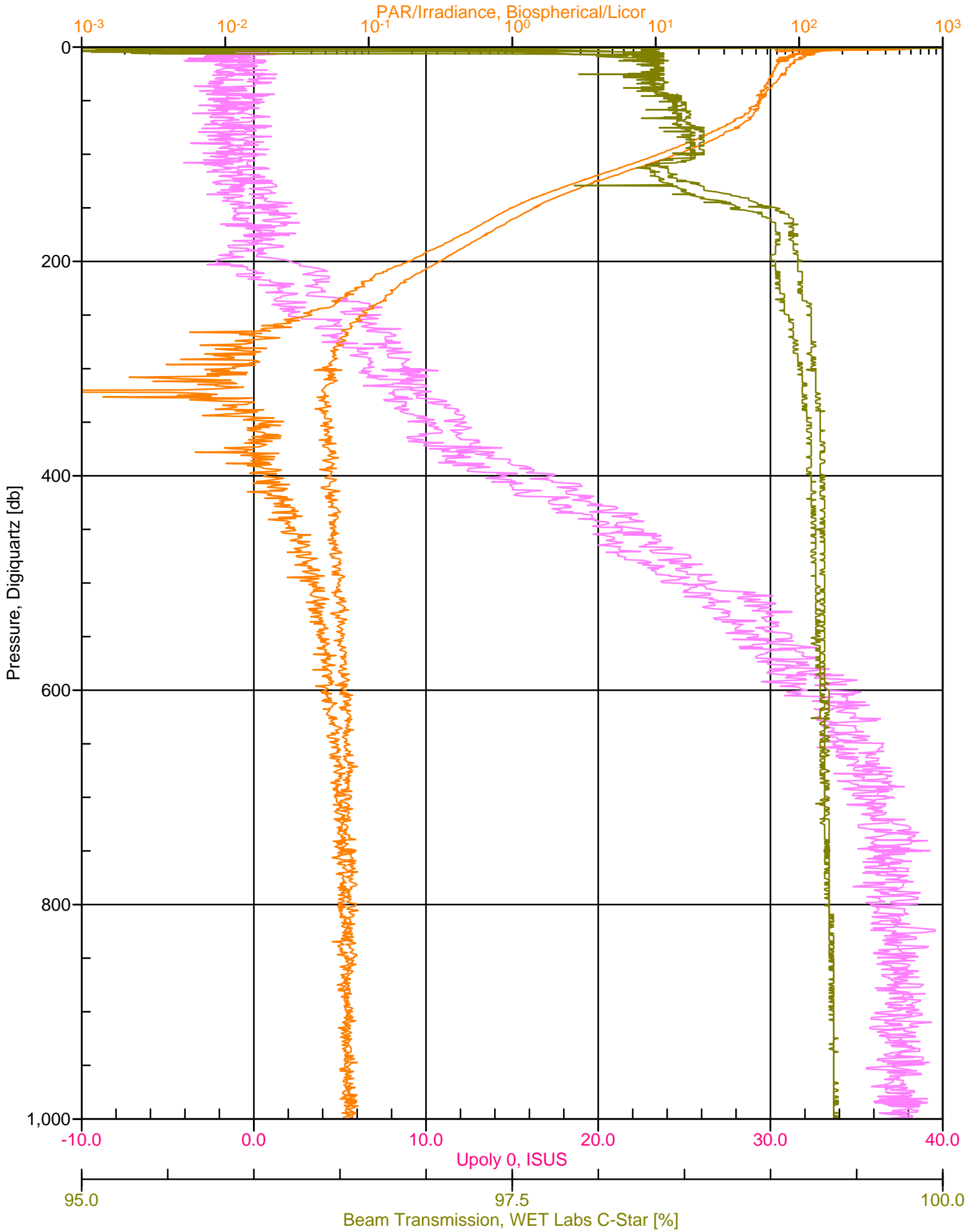
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	750	18:40	745.9		
2	300	18:49	301.5		
3	175	18:52	175.4		
4	175	18:52	174.6		
5	150	18:54	148.5		
6	125	18:55	124.7		
7	100	18:56	99.5		
8	75	18:57	75.0		
9	45	18:59	45.2		
10	45	18:59	44.1		
11	25	19:00	25.2		
12	25	19:00	25.3		
13	5	19:02	6.0		
14	5	19:02	5.5		
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C19.hex



# KM1412\_S2C19.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station # 2  
 Cast # 19  
 Operator(s): HOT-ORGASSMM

Date: 06/13/14 (HST)  
 CTD Start Time: 08:00 (HST)  
 Target depth: 1000 (m)

Rosette Position	Depth (m)	O <sub>2</sub>	Temp °C	FRRF	S.F.			
1	750	9,10	8.5					
2	300	11	14.4					
3	175	12	19.6					
4	175			X				
5	150			X				
6	125	13	21.1	X				
7	100			X				
8	75			X				
9	45	14	24.6	X				
10	45				X			
11	25	15,17	25.1	X				
12	25				X			
13	5			X				
14	5				X			
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Notes:

KM1412

CMORE/AG10

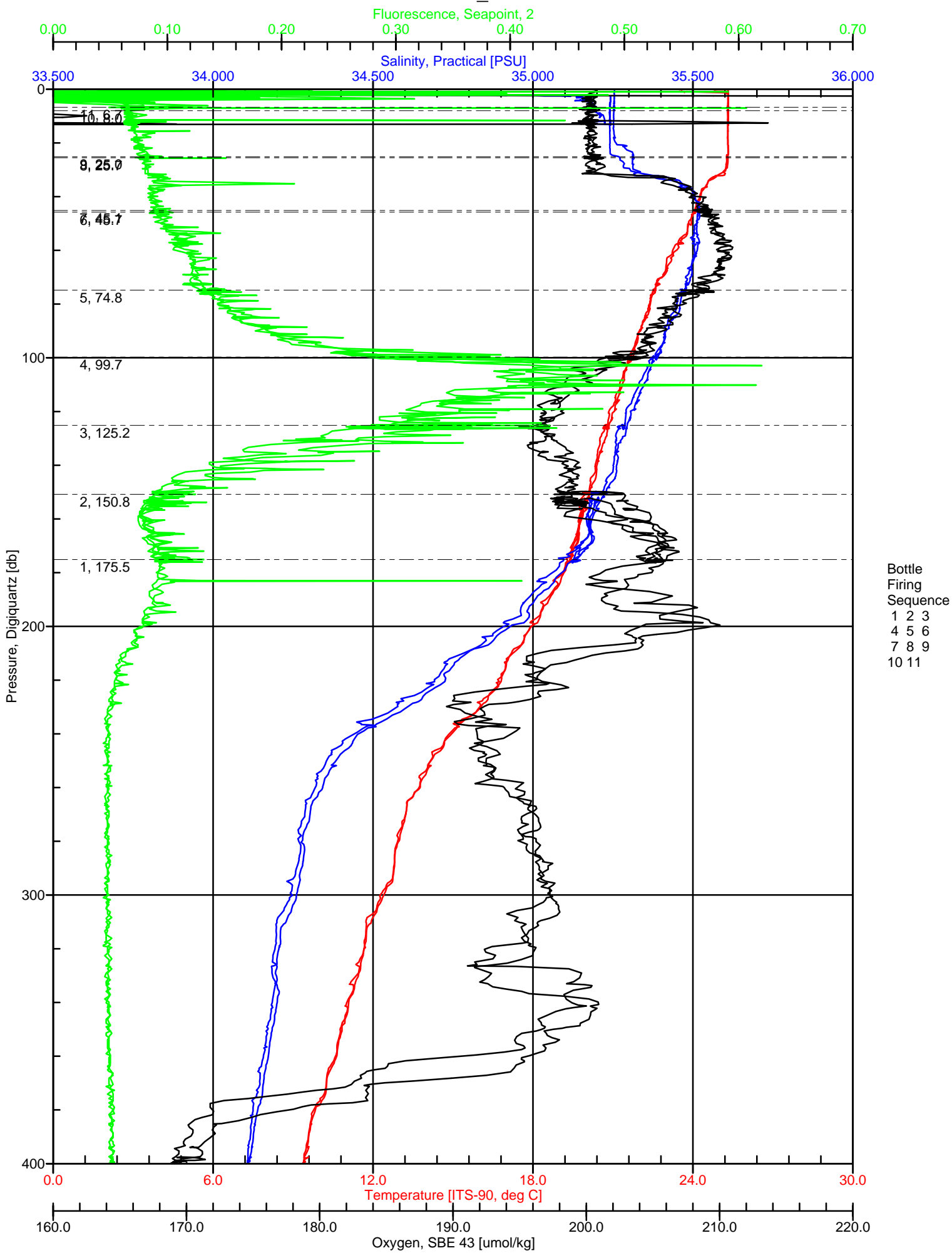
CTD CAST Logsheet

Station: 2	Cast: 20
Bottom (m): ~4725	Date (GMT):
Time Start Logging HST: 10:02	Time Start Logging GMT: 20:02
Pressure on deck Start: 1.01 End: -0.0245	Time GMT In water: 20:02 Out water: 20:40
Latitude N Start: 22 41 737 End: 22 41 723	Longitude W Start: 157 58 264 End: 157 58 307
Max Press: 400.2	Operators: HOT- ORGASSMM

CTD	Comments:
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<u>Owned by:</u> OTG	

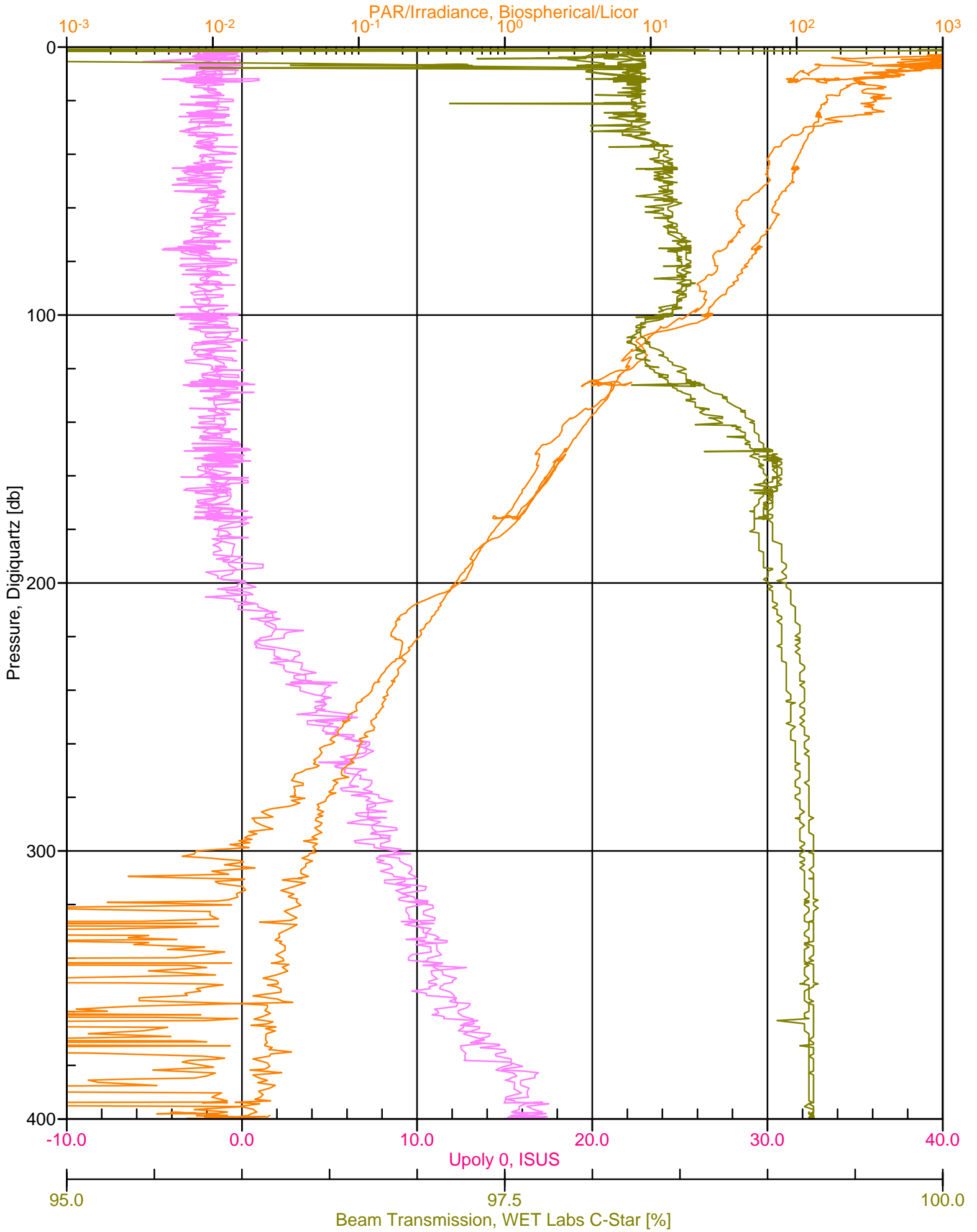
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	20:26	175.02	X	
2	150	20:27	150.52	X	
3	125	20:29	125.16	X	
4	100	20:31	100.21	X	
5	75	20:32	74.9	X	
6	45	20:35	45.6	X	
7	45	20:35	40.75	X	
8	25	20:36	25.51	X	
9	25	20:37	25.16	X	
10	5	20:38	7.8	X	
11	5	20:38	6.6	X	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C20.hex





# KM1412\_S2C20.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           20            
 Operator(s):           HOT-ORGASSMM          

Date:           06/13/14           (HST)  
 CTD Start Time:           10:00           (HST)  
 Target depth:           400           (m)

Rosette Position	Depth (m)	FRRF	SF					
1	175	X						
2	150	X						
3	125	X						
4	100	X						
5	75	X						
6	45		X					
7	45	X						
8	25		X					
9	25	X						
10	5		X					
11	5	X						
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

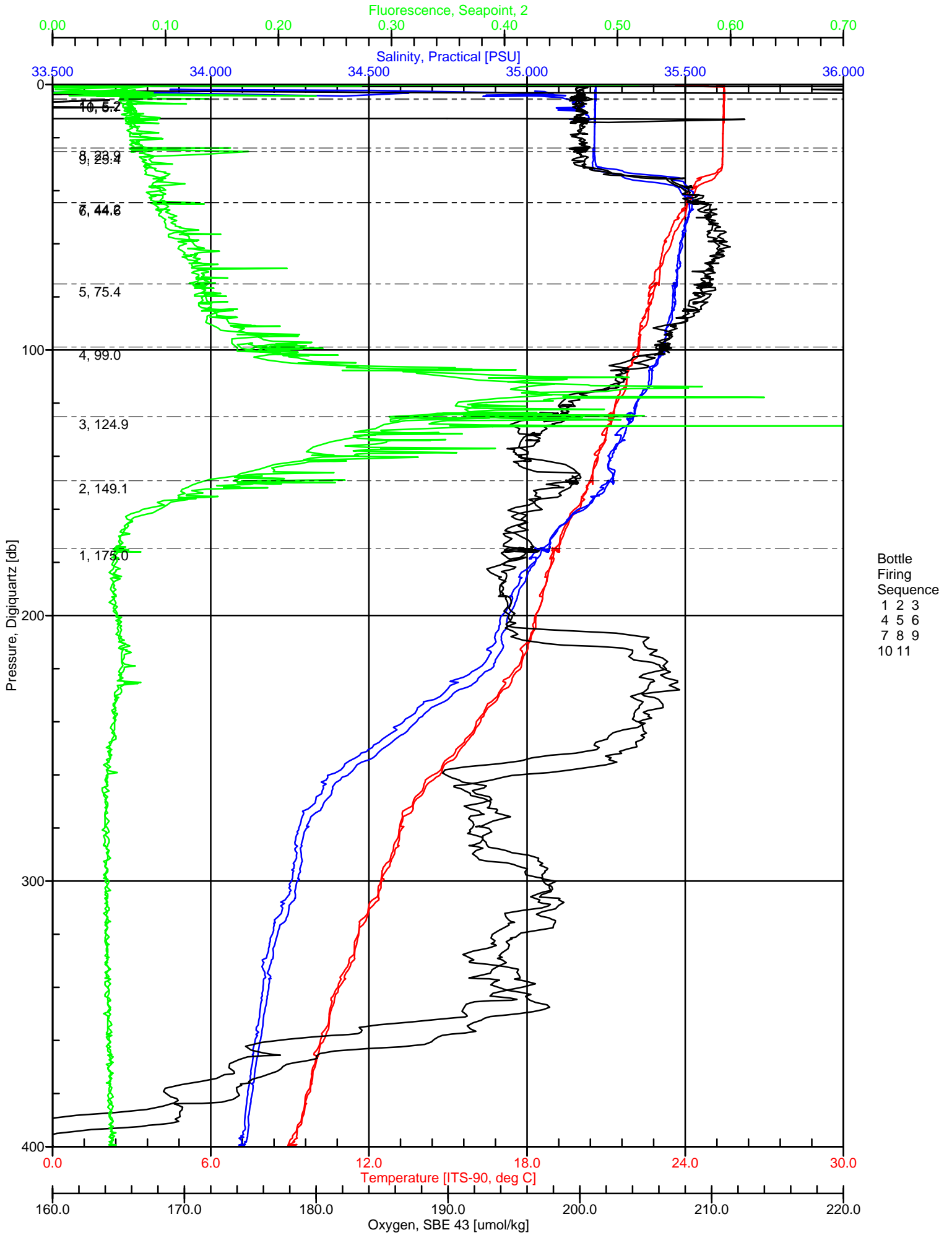
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 21</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/13/14</b>
<b>Time Start Logging HST: 12:00</b>	<b>Time Start Logging GMT: 22:00</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.696</b>	<b>In water: 22:03</b>
<b>End: -0.3097</b>	<b>Out water: 22:34</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.030</b>	<b>Start: 158 0.011</b>
<b>End: 22 45.017</b>	<b>End: 158 0.008</b>
<b>Max Press: 400.21</b>	<b>Operators:HOT ORGASSMM</b>

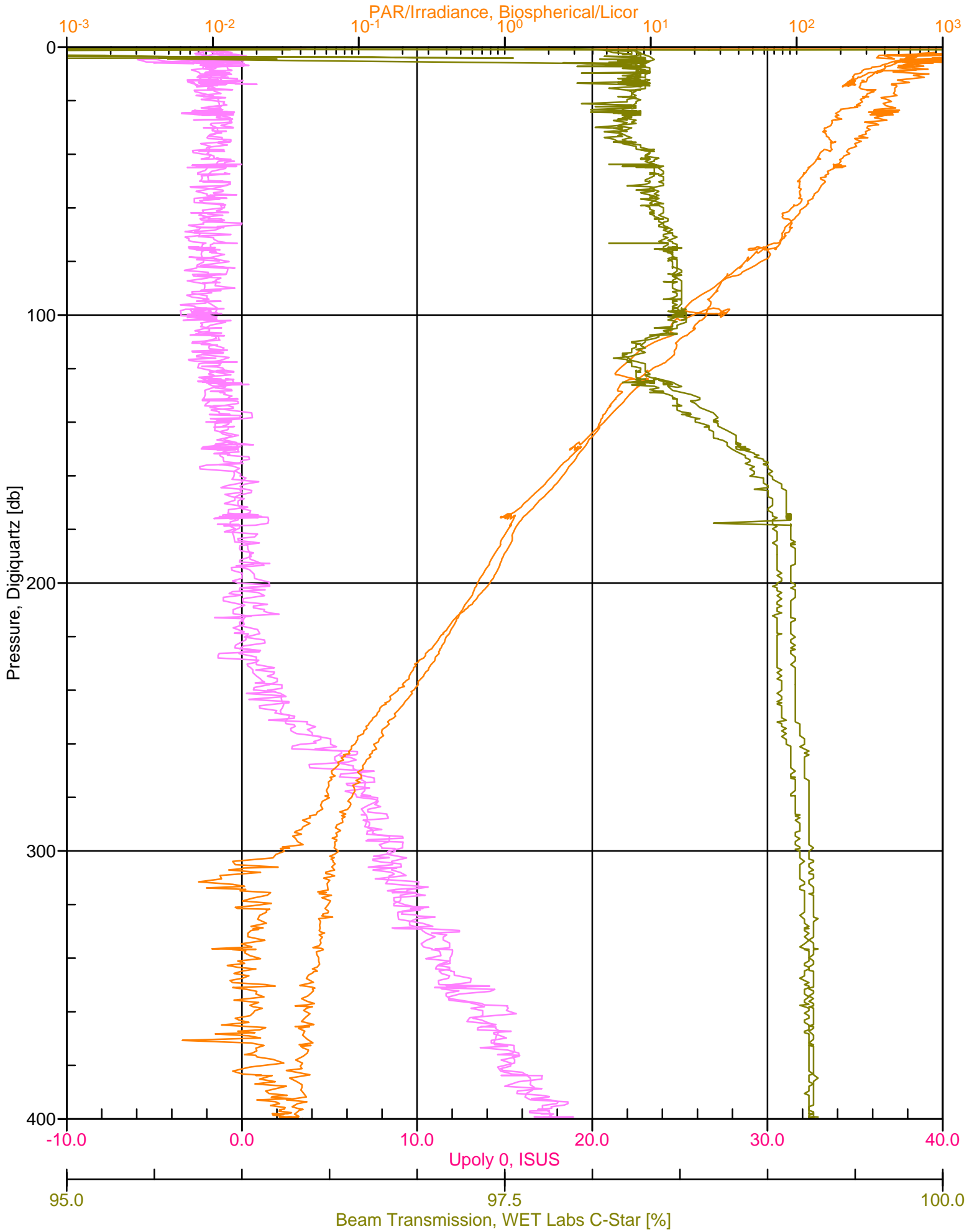
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b><u>Owned by:</u></b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	22:23	174.46	X	
2	150	22:24	149.57	X	
3	125	22:25	124.4	X	
4	100	22:26	99.96	X	
5	75	22:28	74.74	X	
6	45	22:29	44.44	X	
7	45	22:29	44.65	X	
8	25	22:30	23.93	X	
9	25	22:31	24.82	X	
10	5	22:32	4.9	X	
11	5	22:32	5.19	X	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C21.hex



# KM1412\_S2C21.hex





KM1412

CMORE/AG10

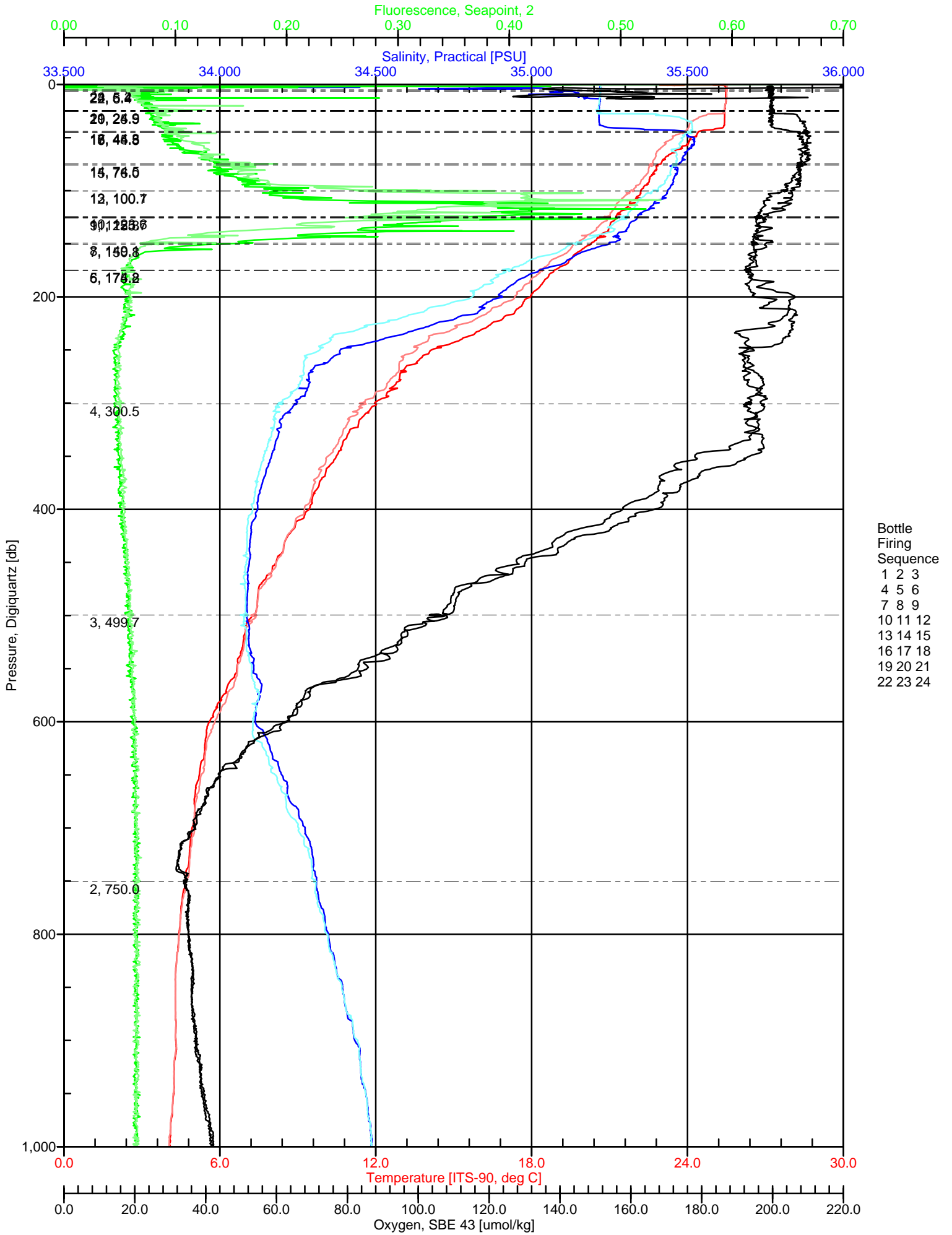
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 22</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/13/14</b>
<b>Time Start Logging HST: 13:53</b>	<b>Time Start Logging GMT: 23:53</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.6135</b>	<b>In water: 23:55</b>
<b>End: -0.2910</b>	<b>Out water: 00:52</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 45.613</b>	<b>Start: 157 59.996</b>
<b>End: 22 44.980</b>	<b>End: 157 59.996</b>
<b>Max Press: 1000</b>	<b>Operators: H.orgasm</b>

<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	
<b>Owned by:</b> OTG	

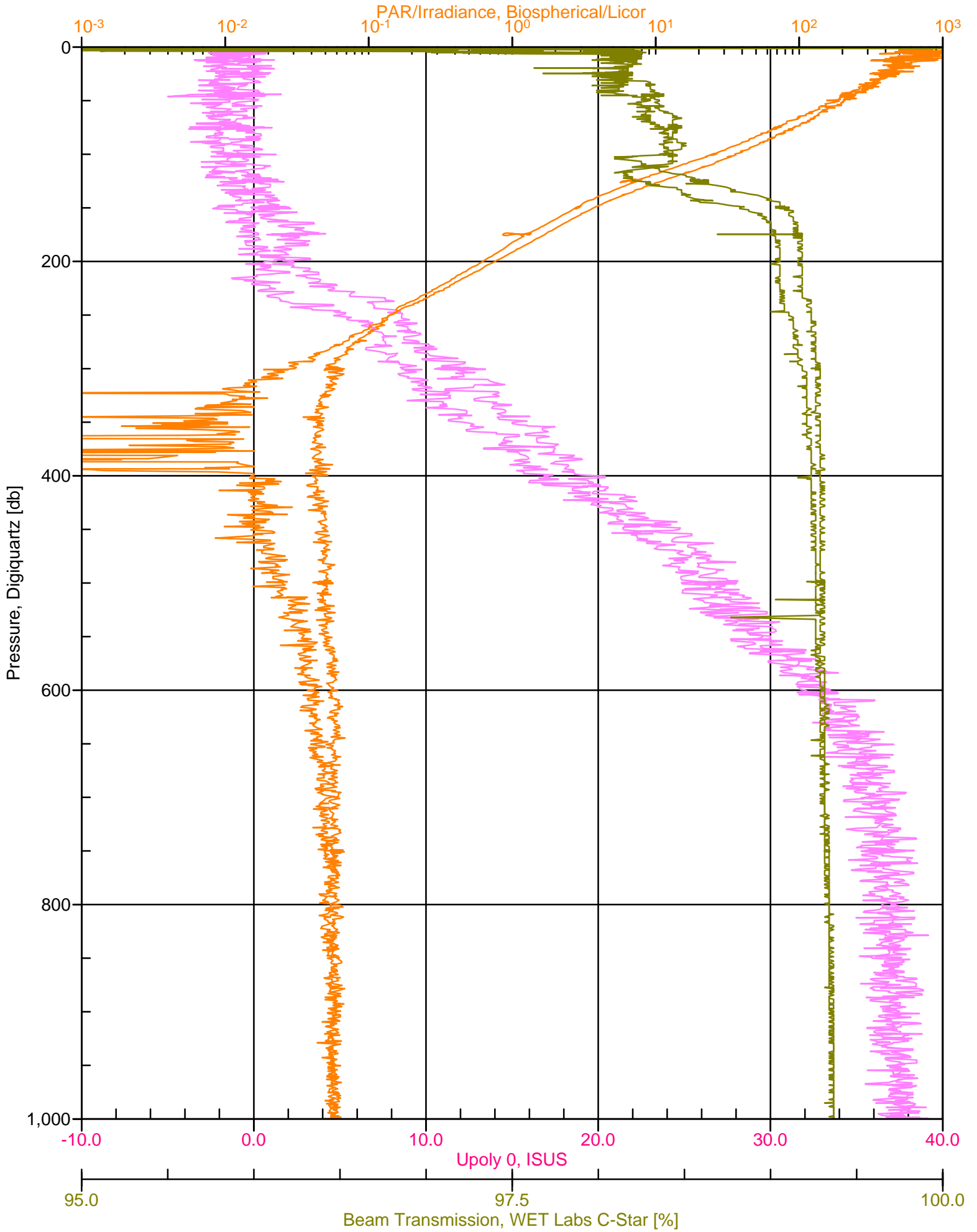
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	1000	00:20	1000.1	✓	
2	750	00:26	750.9	✓	
3	500	00:31	499.1	✓	
4	300	00:35	300.7	✓	
5	175	00:38	174.6	✓	
6	175	00:38	175.0	✓	
7	150	00:40	150.1	✓	
8	150	00:40	150.0	✓	
9	125	00:41	125.1	✓	
10	125	00:41	125.3	✓	
11	125	00:42	124.9	✓	
12	100	00:43	99.6	✓	
13	100	00:43	100.4	✓	
14	75	00:44	75.4	✓	
15	75	00:44	75.0	✓	
16	45	00:46	44.0	✓	
17	45	00:46	44.3	✓	
18	45	00:47	45.4	✓	
19	25	00:47	25.2	✓	
20	25	00:48	24.5	✓	
21	25	00:48	24.3	✓	
22	5	00:49	5.7	✓	
23	5	00:50	5.2	✓	
24	5	00:50	5.0	✓	

# KM1412\_S2C22.hex





# KM1412\_S2C22.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station # 2  
 Cast # 22  
 Operator(s): \_\_\_\_\_

Date: 06/13/14 (HST)  
 CTD Start Time: 14:00 (HST)  
 Target depth: 1000 (m)

Rosette Position	Depth (m)	Nuts	LLP/LLN	PC/PN 4L	PPO4 4L	PvsE	FCM	
1	1000	1						
2	750	2						
3	500	3						
4	300	4						
5	175	5						
6	175			6(7)	6(7)			
7	150	7						
8	150			8(8)	8(8)			
9	125	9						
10	125			10(9)	10(9)			
11	125					X		
12	100		12					
13	100			13(10)	13(10)			
14	75		14				X	
15	75			15(11)	15(11)			
16	45		16					
17	45			17(12)	17(12)			
18	45							
19	25		19					
20	25			20(13)	20(13)			
21	25					X		
22	5			22(14)	22(14)			
23	5		23					
24	5							

**Notes:**

**PPO4 carboys 7,8 and 11 had dark spots on filter.**



KM1412

CMORE/AG10

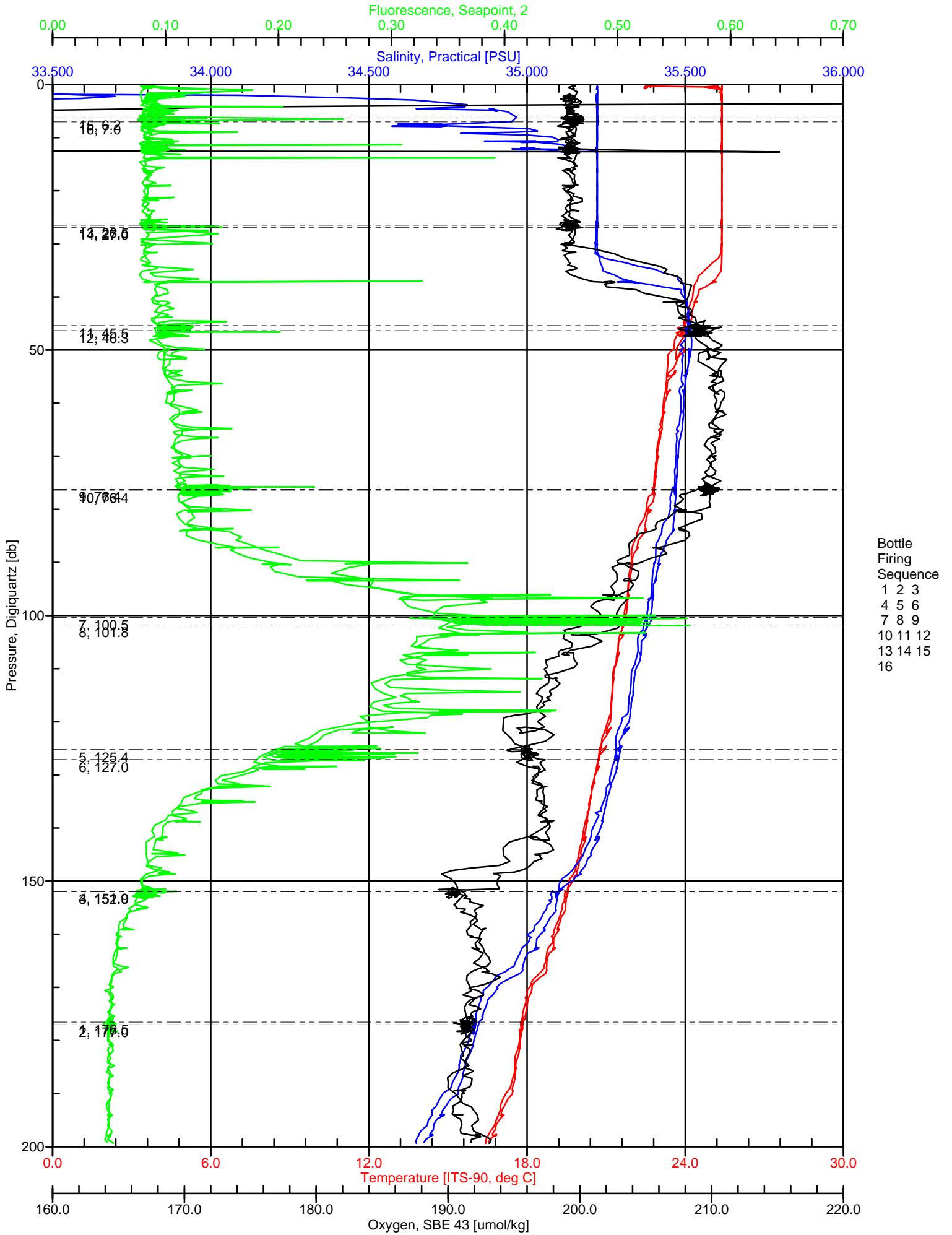
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 23</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/14</b>
<b>Time Start Logging HST: 2:59</b>	<b>Time Start Logging GMT: 12:59</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: .7115</b>	<b>In water: 13:02</b>
<b>End: -0.1711</b>	<b>Out water: 13:32</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22°44.694'</b>	<b>Start: 157°59.992'</b>
<b>End: 22°44.990'</b>	<b>End: 158°0.005'</b>
<b>Max Press: 200</b>	<b>Operators: HOT-BOX</b>

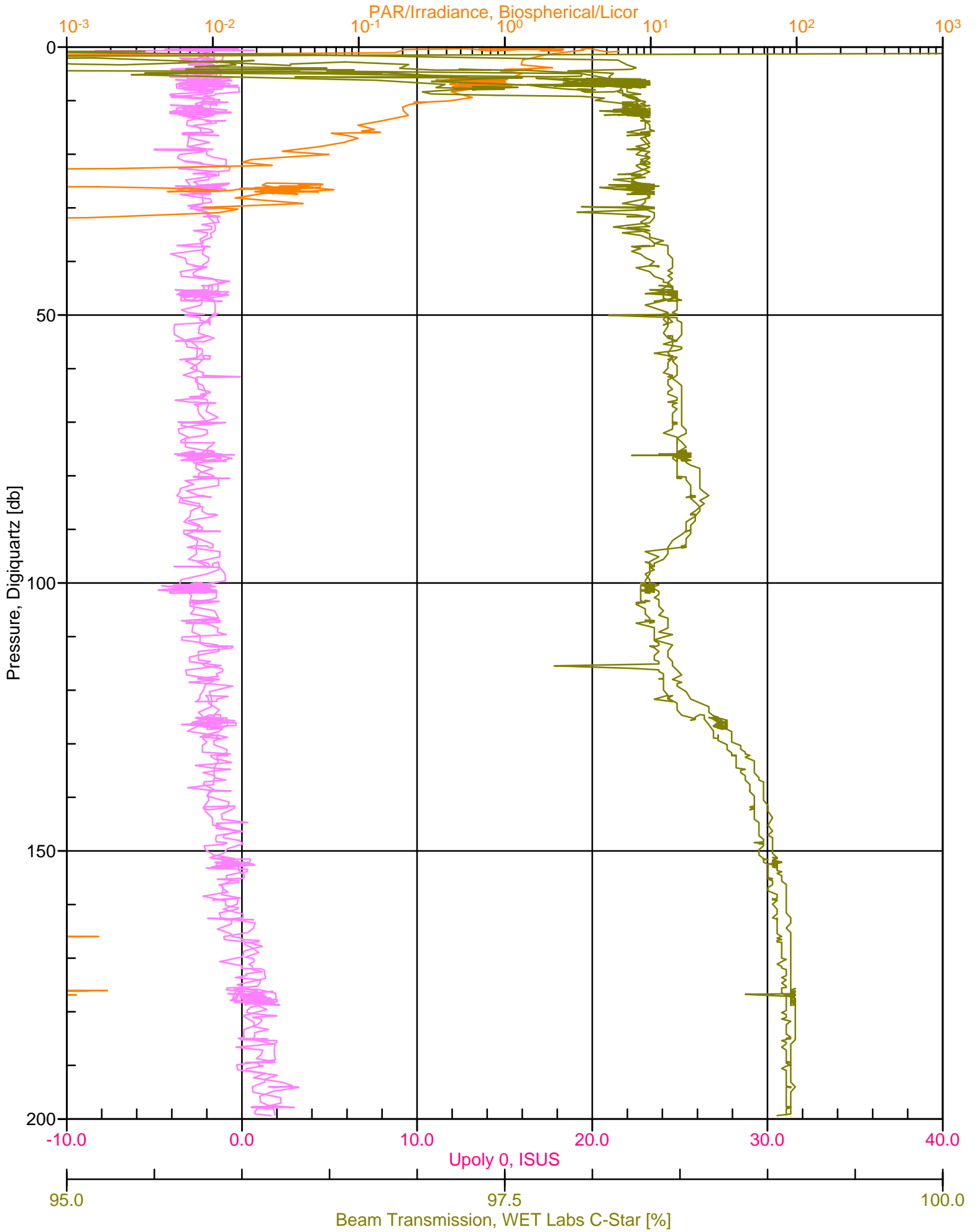
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	DCM: 116 m.
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	13:17	178.5	✓	
2	175	13:17	178.2	✓	
3	150	13:19	152.0	✓	
4	150	13:19	152.0	✓	
5	125	13:20	125.1	✓	
6	125	13:20	126.8	✓	
7	100	13:22	100.8	✓	
8	100	13:23	100.4	✓	
9	75	13:24	75.4	✓	
10	75	13:25	76.4	✓	
11	45	13:26	45.3	✓	
12	45	13:27	46.2	✓	
13	25	13:28	27.5	✓	
14	25	13:28	26.1	✓	
15	5	13:29	6.4	✓	
16	5	13:29	7.2	✓	
17					
18					
19					
20					
21					
22					
23					
24					

KM1412\_S2C23.hex



# KM1412\_S2C23.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           23            
 Operator(s):           HOT-BOX          

Date:           06/14/14           (HST)  
 CTD Start Time:           02:30           (HST)  
 Target depth:           200           (m)

Rosette Position	Depth (m)	BP	14C-PP	Size -Fractionated Chl a	FCM	S.F.		
1	<b>175</b>	1-L,D		1	X			
2	<b>175</b>							
3	<b>150</b>	2-L,D		2	X			
4	<b>150</b>							
5	<b>125</b>	3-L,D	3L-	3	X			
6	<b>125</b>							
7	<b>100</b>	4-L,D	4L-	4	X			
8	<b>100</b>							
9	<b>75</b>	5-L,D	5L-	5	X			
10	<b>75</b>							
11	<b>45</b>	6-L,D	6L-	6	X			
12	<b>45</b>					X		
13	<b>25</b>	7-L,D	7L-	7	X			
14	<b>25</b>					X		
15	<b>5</b>	8-L,D	8L-	8	X			
16	<b>5</b>					X		
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

CTD CAST Logsheet

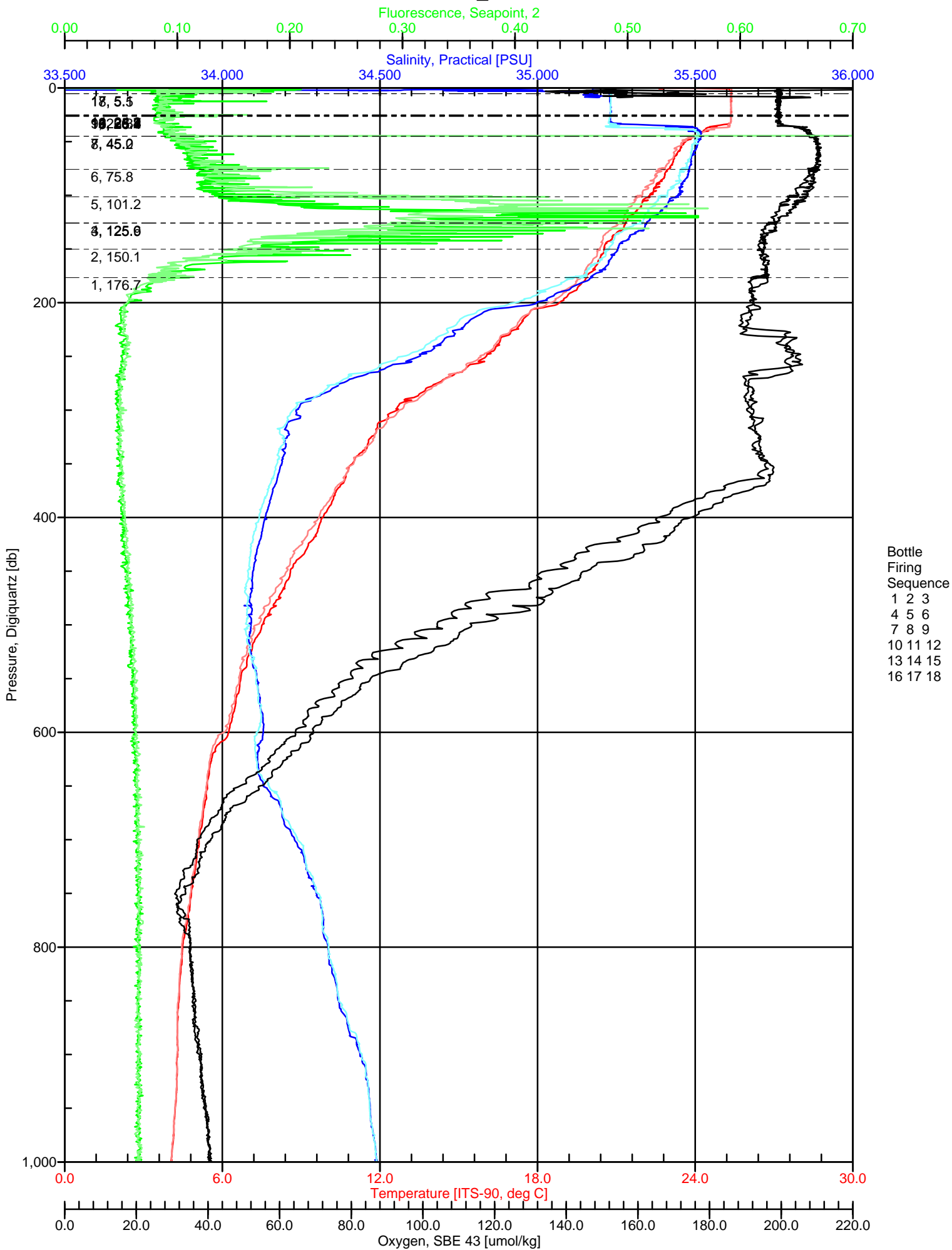
Station: 02	Cast: 24
Bottom (m): ~4725	Date (GMT): 06/14
Time Start Logging HST: 06:57	Time Start Logging GMT: 15:57
Pressure on deck Start: .7107 End: .0022	Time GMT In water: 16:01 Out water: 17:03
Latitude N Start: 22°44.814' End: 22°44.736'	Longitude W Start: 157°59.171' End: 157°59.166'
Max Press: 1000.0	Operators: HOT BOX

CTD	Comments:
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	MLD: 33.5 m DCM: 118 m
Owned by: OTG	

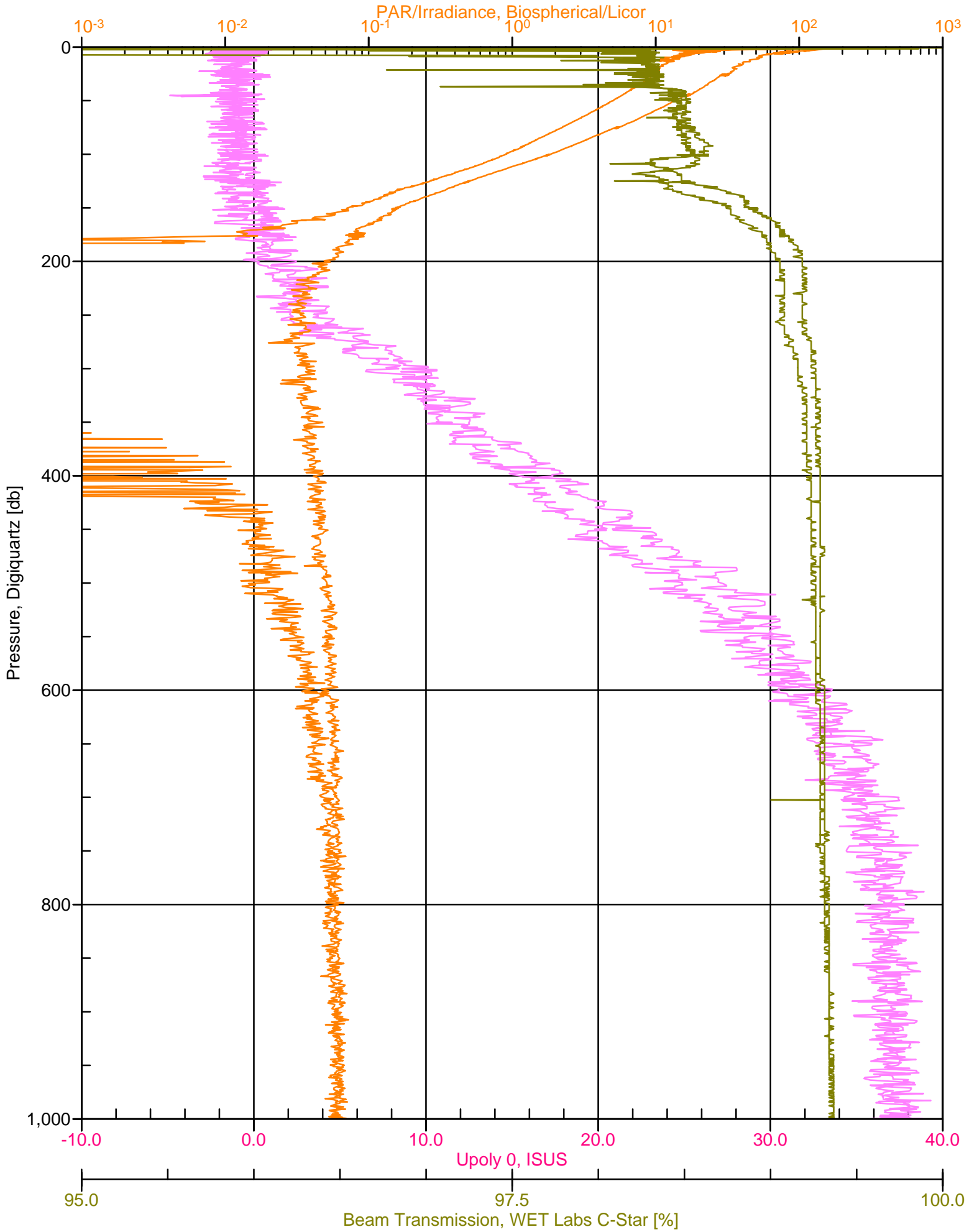
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	16:45	176.4	✓	
2	150	16:47	151.1	✓	
3	125	16:49	126.4	✓	
4	125	16:49	125.9	✓	
5	100	16:51	101.3	✓	
6	75	16:53	75.2	✓	
7	45	16:55	44.2	✓	
8	45	16:55	44.6	✓	
9	25	16:57	25.7	✓	
10	25	16:57	26.2	✓	
11	25	16:58	25.5	✓	
12	25	16:58	25.2	✓	
13	25	16:58	25.7	✓	
14	25	16:59	25.3	✓	
15	25	16:59	26.7	✓	
16	25	16:59	25.5	✓	
17	5	17:01	5.3	✓	
18	5	17:01	5.3	✓	
19					
20					
21					
22					
23					
24					



# KM1412\_S2C24.hex



# KM1412\_S2C24.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           24            
 Operator(s):           HOT-BOX          

Date:           06/14/14           (HST)  
 CTD Start Time:           06:00           (HST)  
 Target depth:           1000           (m)

Rosette Position	Depth (m)	Div	SF	FRRF	PvE			
1	175			X				
2	150			X				
3	125							
4	125			X	X			
5	100			X				
6	75			X				
7	45			X				
8	45		X					
9	25			X	X			
10	25		X					
11	25	X						
12	25	X						
13	25	X						
14	25	X						
15	25	X						
16	25	X						
17	5			X				
18	5		X					
19								
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

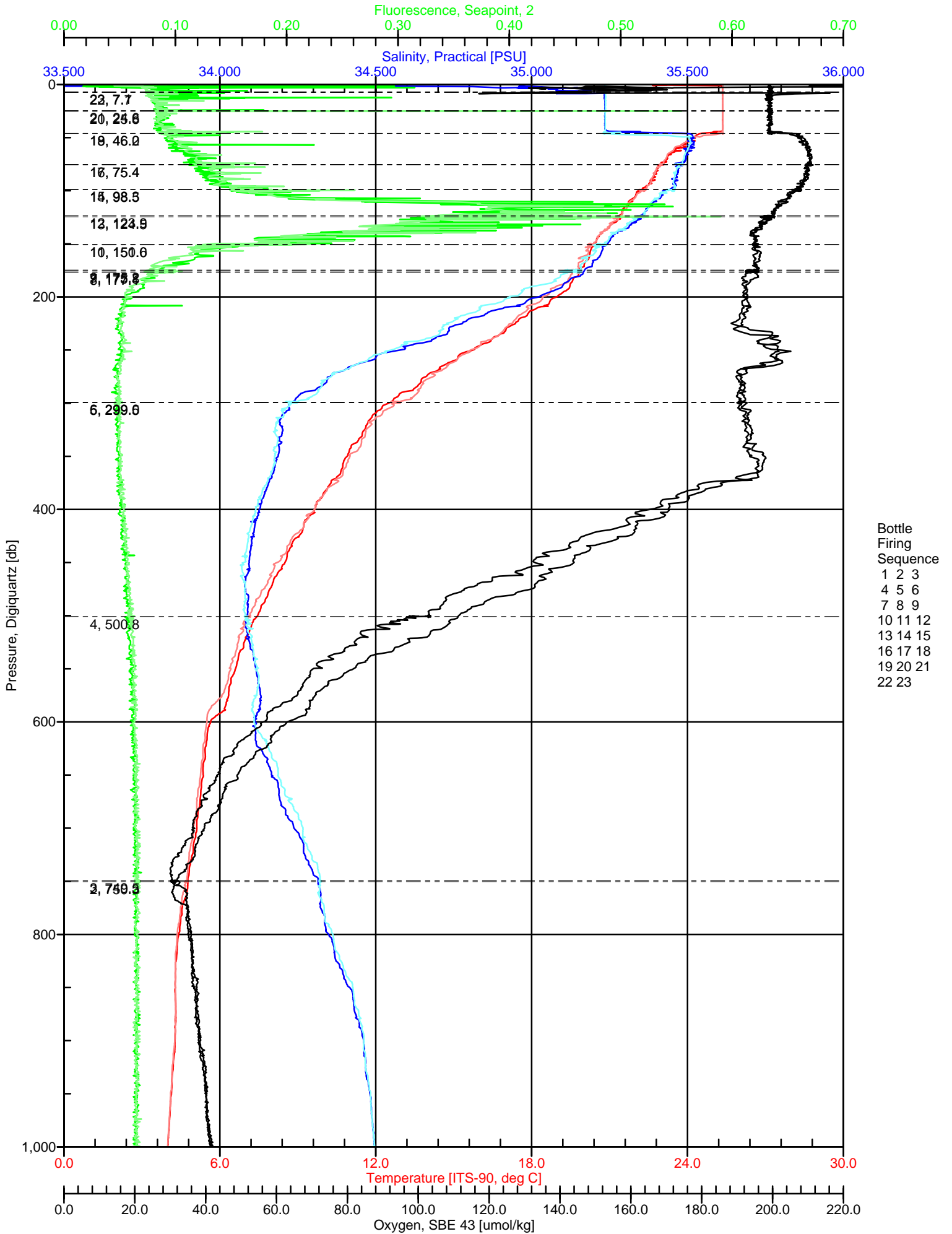
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 25</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 06/14</b>
<b>Time Start Logging HST: 07:53</b>	<b>Time Start Logging GMT: 17:53</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.8519</b>	<b>In water: 17:54</b>
<b>End: 0.0635</b>	<b>Out water: 19:03</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22°44.717'</b>	<b>Start: 157°59.165'</b>
<b>End: 22°44.699'</b>	<b>End: 157°59.172</b>
<b>Max Press: 1000.0</b>	<b>Operators: HOT-BOX</b>

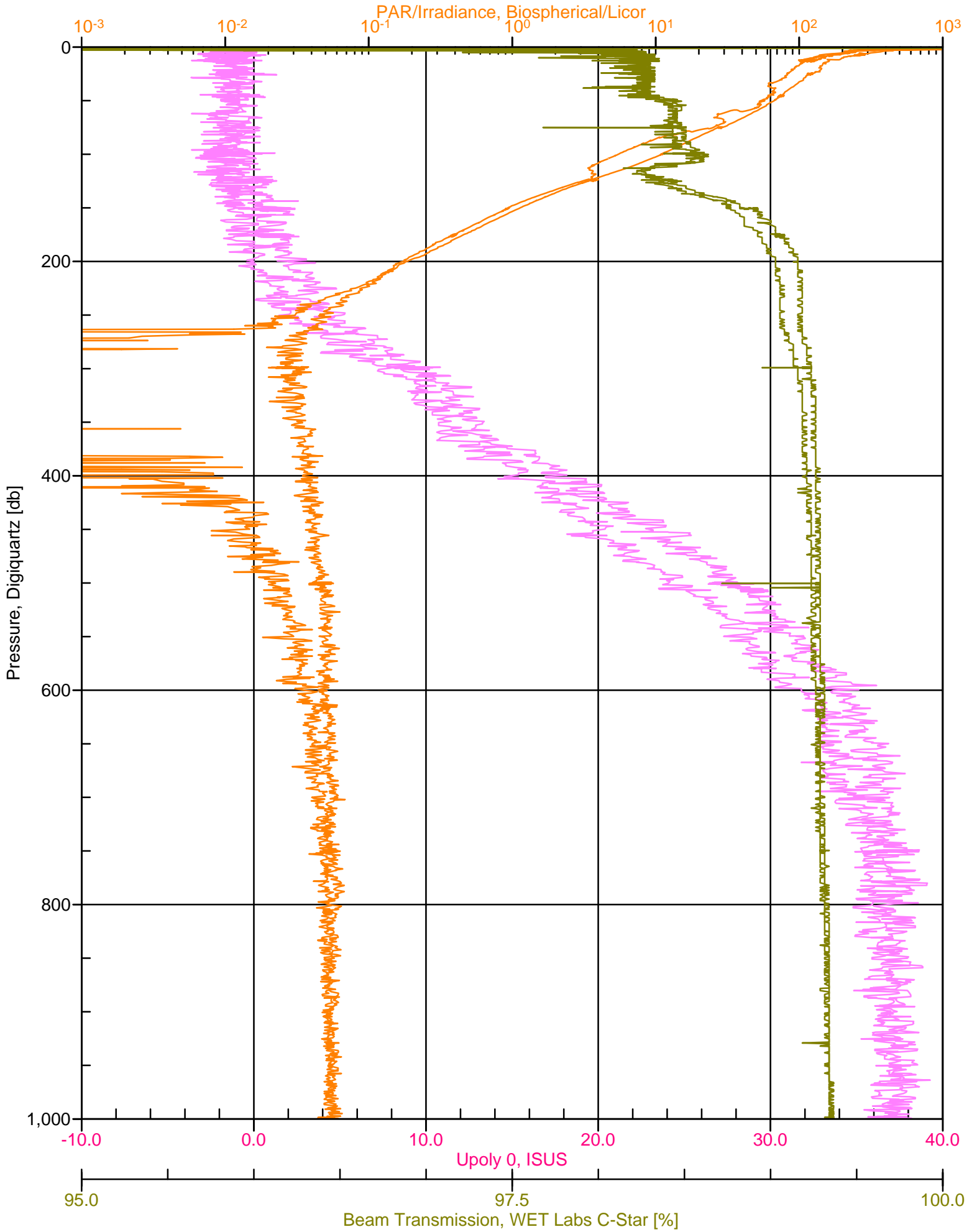
<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	<b>MLD:44</b> <b>DCM:121</b>
<b>Owned by:</b>	
<b>OTG</b>	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	1000	18:24	1000.5	✓	
2	750	18:30	749.9	✓	
3	750	18:31	749.6	✓	
4	500	18:37	500.69	✓	
5	300	18:42	298.4	✓	
6	300	18:43	298.5	✓	
7	175	18:46	175.5	✓	
8	175	18:47	175.1	✓	
9	175	18:47	175.2	✓	
10	150	18:49	150.1	✓	
11	150	18:49	150.6	✓	
12	125	18:51	124.3	✓	
13	125	18:51	124.5	✓	
14	100	18:53	100.3	✓	
15	100	18:53	99.7	✓	
16	75	18:54	75.5	✓	
17	75	18:55	75.1	✓	
18	45	18:56	45.6	✓	
19	45	18:57	45.2	✓	
20	25	18:58	25.8	✓	
21	25	18:58	24.8	✓	
22	5	19:00	7.1	✓	
23	5	19:00	6.5	✓	
24					

# KM1412\_S2C25.hex



# KM1412\_S2C25.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           25            
 Operator(s):           HOT-BOX          

Date:           06/14/14           (HST)  
 CTD Start Time:           08:00           (HST)  
 Target depth:           1000           (m)

Rosette Position	Depth (m)	O <sub>2</sub>	Temp °C	FRRF	S.F.			
1	<b>1000</b>				X			
2	<b>750</b>	1,2	10.1					
3	<b>750</b>	3	10.1		X			
4	<b>500</b>				X			
5	<b>300</b>	9	15.6					
6	<b>300</b>				X			
7	<b>175</b>	4	20.5					
8	<b>175</b>				X			
9	<b>175</b>			X				
10	<b>150</b>			X				
11	<b>150</b>				X			
12	<b>125</b>	5	22.0	X				
13	<b>125</b>				X			
14	<b>100</b>			X				
15	<b>100</b>				X			
16	<b>75</b>			X				
17	<b>75</b>				X			
18	<b>45</b>	6	25.0	X				
19	<b>45</b>				X			
20	<b>25</b>	7,8	25.2	X				
21	<b>25</b>				X			
22	<b>5</b>			X				
23	<b>5</b>				X			
24								

Notes:

KM1412

CMORE/AG10

CTD CAST Logsheet

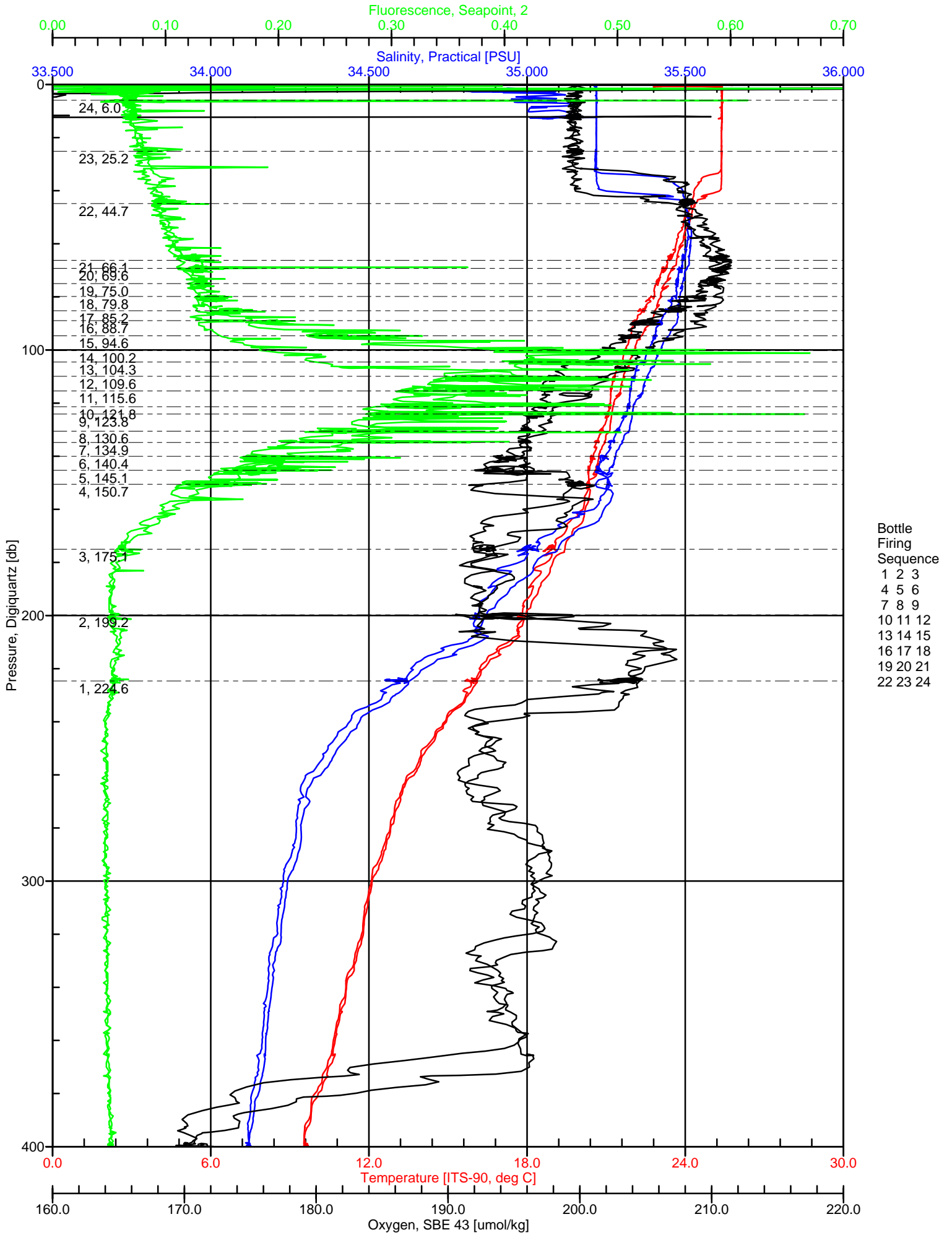
Station: 2	Cast: 26
Bottom (m): ~4725	Date (GMT): 6/14
Time Start Logging HST: 9:59	Time Start Logging GMT: 19:59
Pressure on deck Start: 0.8572 End: 0.0069	Time GMT In water: N/A Out water: 20:46
Latitude N Start: 22°40.769' End: 22°40.810'	Longitude W Start: 157°58.862' End: 157°58.868'
Max Press:400.5	Operators: HOT-BOX

CTD	Comments:
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	MLD: 40 DCM: 110
Owned by: OTG	

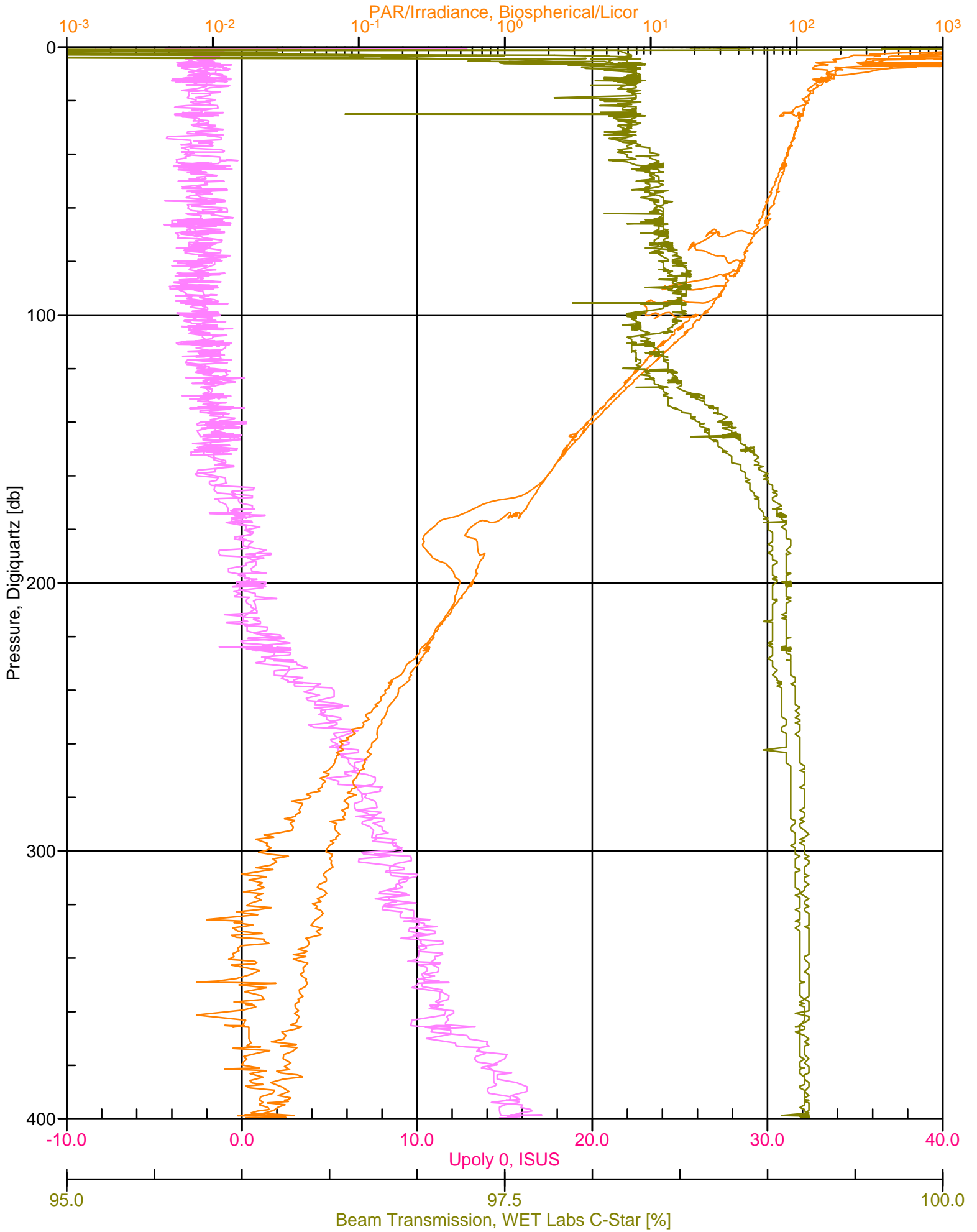
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	225	20:20	224.7	✓	
2	200	20:22	200.3	✓	
3	175	20:23	174.6	✓	
4	150	20:24	150.3	✓	
5	145	20:25	145.3	✓	
6	140	20:26	139.6	✓	
7	135	20:27	134.7	✓	
8	130	20:28	130.6	✓	
9	125	20:29	124.5	✓	
10	120	20:30	120.9	✓	
11	115	20:31	114.9	✓	
12	110	20:32	110.3	✓	
13	105	20:32	104.9	✓	
14	100	20:33	100.2	✓	
15	95	20:34	94.6	✓	
16	90	20:35	89.3	✓	
17	85	20:36	85.5	✓	
18	80	20:37	80.1	✓	
19	75	20:37	74.3	✓	
20	70	20:38	69.2	✓	
21	65	20:39	65.9	✓	
22	45	20:40	44.9	✓	
23	25	20:42	25.0	✓	
24	5	20:44	5.9	✓	



# KM1412\_S2C26.hex



# KM1412\_S2C26.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           26            
 Operator(s):           HOT-BOX          

Date:           06/14/14           (HST)  
 CTD Start Time:           10:00           (HST)  
 Target depth:           400           (m)

Rosette Position	Depth (m)	FRRF	SF	FCM				
1	225			X				
2	200			X				
3	175	X		X				
4	150	X		X				
5	145			X				
6	140			X				
7	135			X				
8	130			X				
9	125	X		X				
10	120			X				
11	115			X				
12	110			X				
13	105			X				
14	100	X		X				
15	95			X				
16	90			X				
17	85			X				
18	80			X				
19	75	X		X				
20	70			X				
21	65			X				
22	45	X	X	X				
23	25	X	X	X				
24	5	X	X	X				

**Notes:**

KM1412

CMORE/AG10

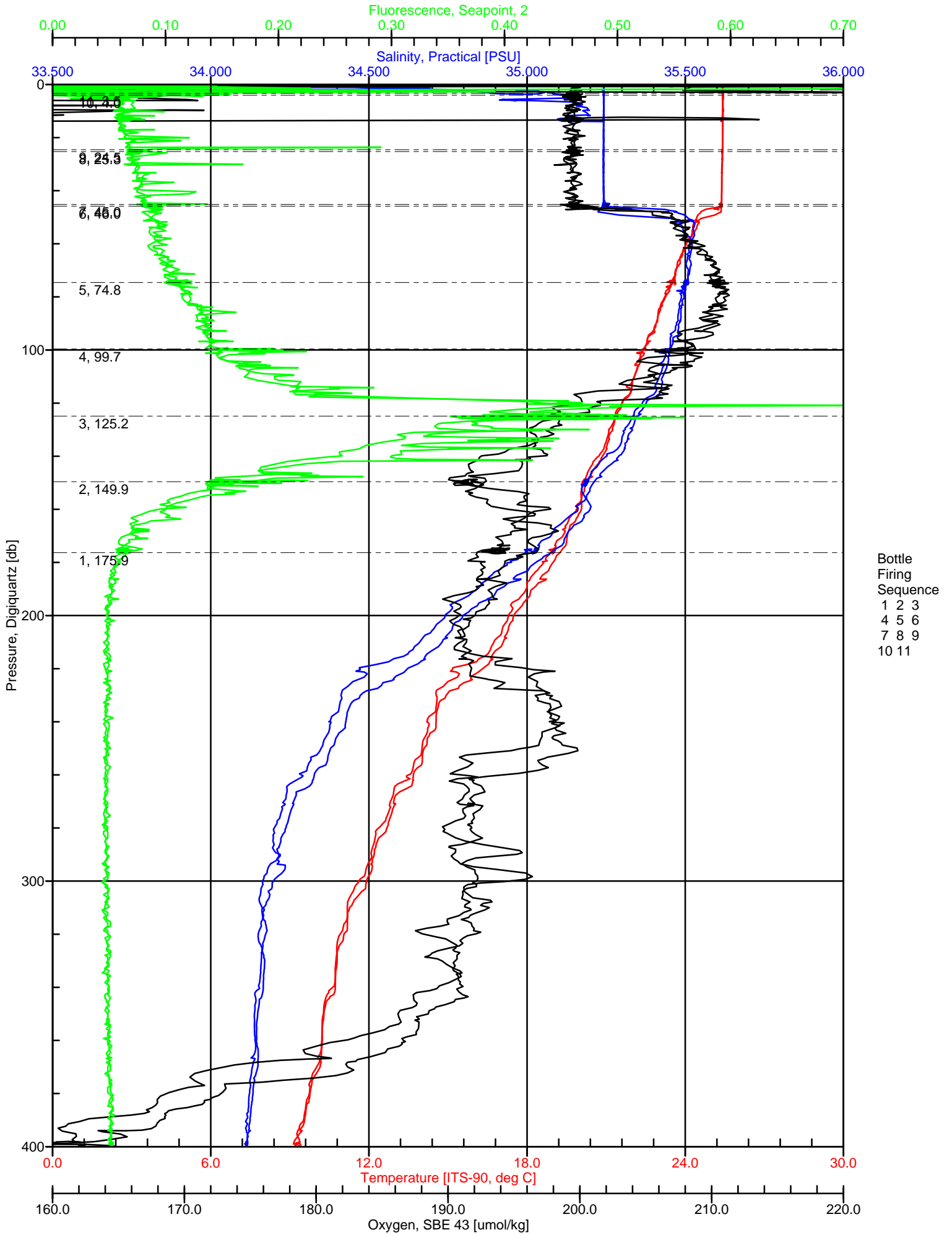
CTD CAST Logsheet

Station: 2	Cast: 27
Bottom (m): ~4725	Date (GMT): 06/14/14
Time Start Logging HST: 12:05	Time Start Logging GMT: 22:05
Pressure on deck Start: 0.3181 End: -0.3590	Time GMT In water: 22:14 Out water: 22:43
Latitude N Start: 22 45.089 End: 22 45.029	Longitude W Start: 158 0.013 End: 158 0.012
Max Press: 400.0	Operators: HOT-BOX

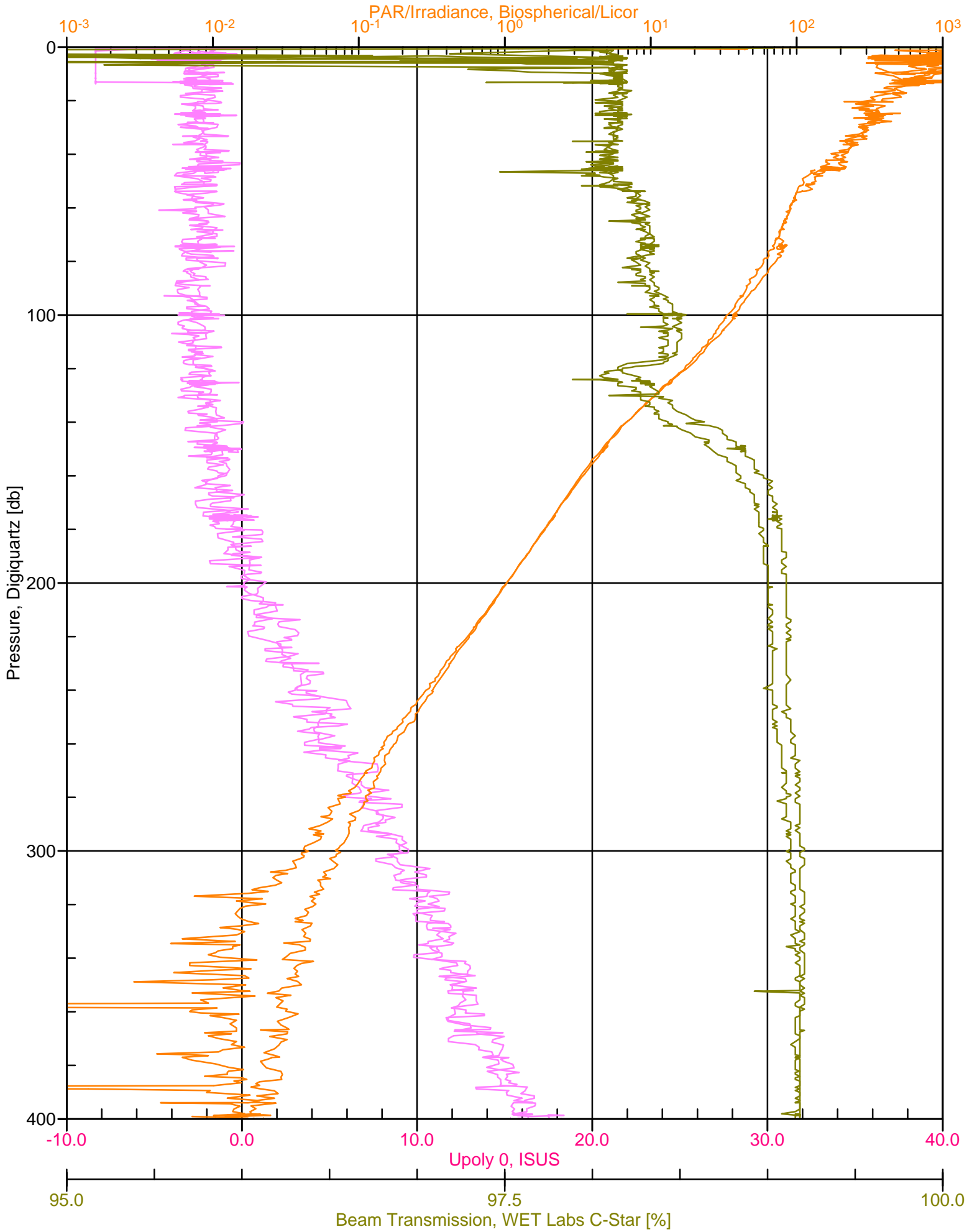
CTD	Comments:
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	DCM=121 MLD=46
Owned by: OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	22:32	176.5	✓	
2	150	22:34	149.2	✓	
3	125	22:35	124.5	✓	
4	100	22:36	99.4	✓	
5	75	22:37	74.1	✓	
6	45	22:39	45.5	✓	
7	45	22:39	45.7	✓	
8	25	22:40	25.3	✓	
9	25	22:40	24.9	✓	
10	5	22:41	4.2	✓	
11	5	22:42	3.4	✓	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

# KM1412\_S2C27.hex



# KM1412\_S2C27.hex



# CMORE/AG-10

## KM1412

### CTD Data Sheet

Station #           2            
 Cast #           27            
 Operator(s):           HOT-BOX          

Date:           06/14/14           (HST)  
 CTD Start Time:           12:00           (HST)  
 Target depth:           400           (m)

Rosette Position	Depth (m)	FRRF	SF	FCM				
1	175	X		X				
2	150	X						
3	125	X		X				
4	100	X						
5	75	X						
6	45	X						
7	45		X	X				
8	25	X						
9	25		X					
10	5	X						
11	5		X	X				
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

**Notes:**

KM1412

CMORE/AG10

CTD CAST Logsheet

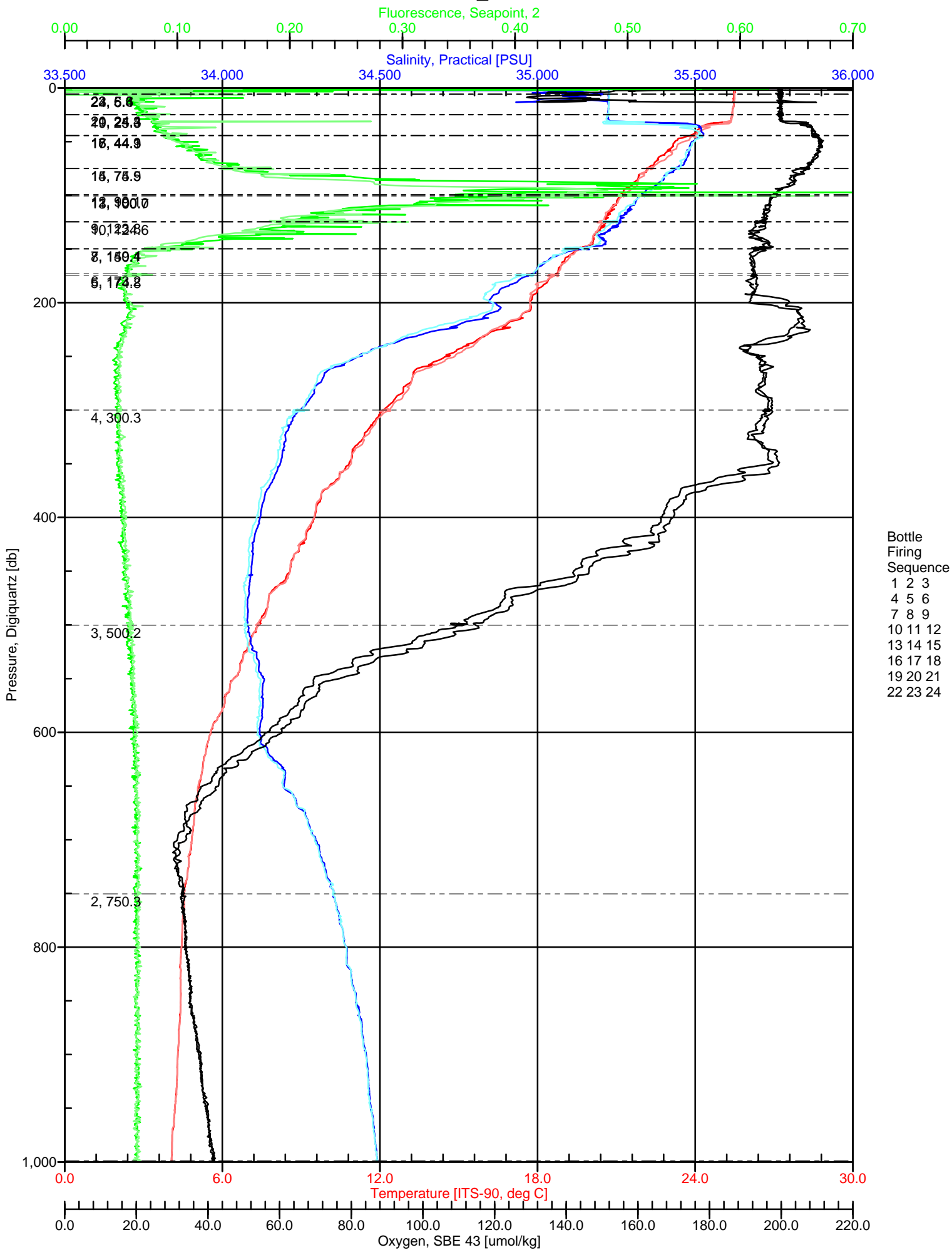
<b>Station: 2</b>	<b>Cast: 28</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT):</b>
<b>Time Start Logging HST: 14:21</b>	<b>Time Start Logging GMT: 00:21</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 5960</b>	<b>In water: 00:23</b>
<b>End: -0.3085</b>	<b>Out water: 01:18</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22°40.138'</b>	<b>Start: 157°58.434'</b>
<b>End: 22°40.159'</b>	<b>End: 157°58.448'</b>
<b>Max Press: 999.9</b>	<b>Operators: HOT-BOX</b>

<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	DCM: 98
<b>Owned by:</b> OTG	

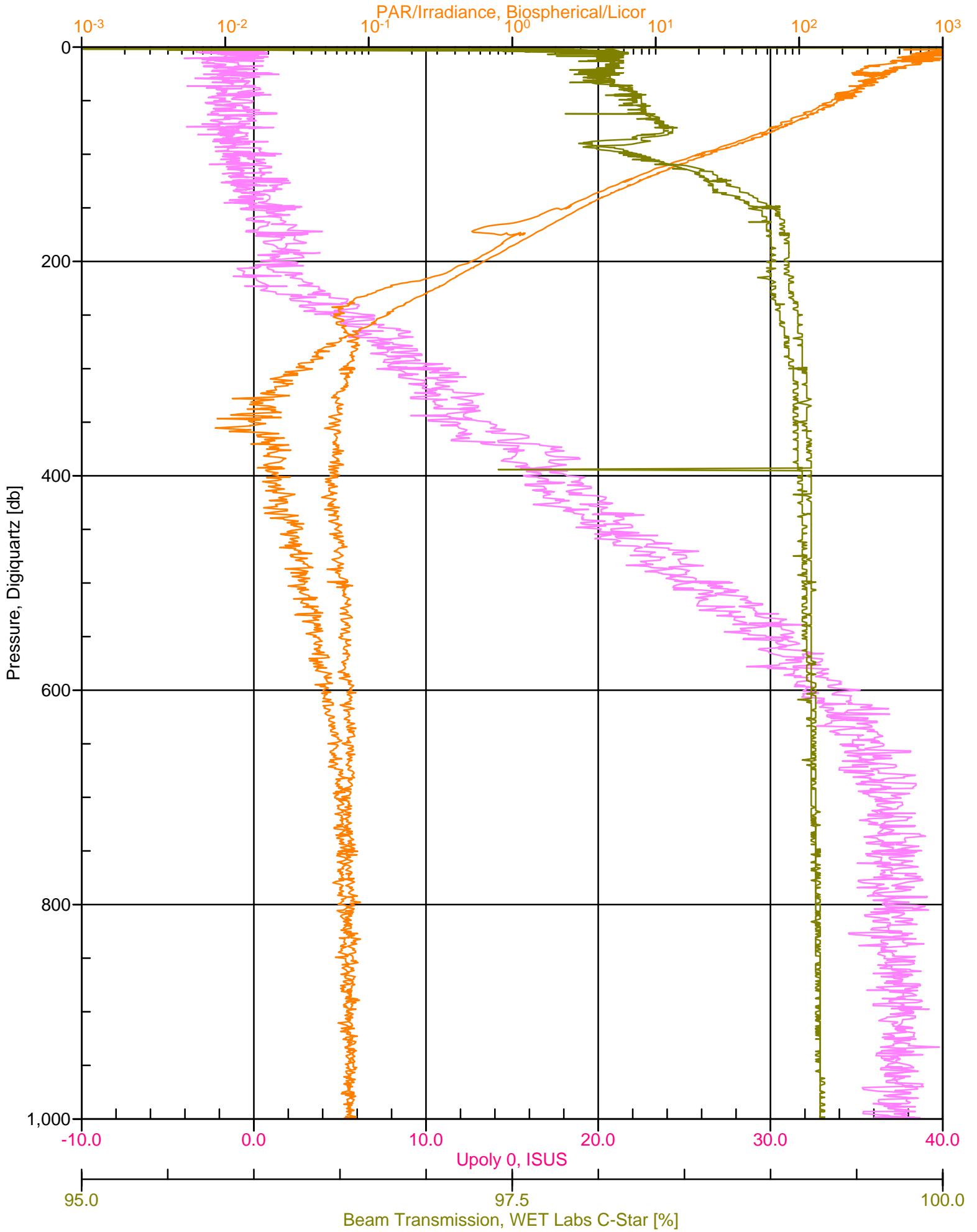
Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	1000	00:47	999.9	✓	
2	750	00:52	750.2	✓	
3	500	00:57	500.0	✓	
4	300	1:01	299.9	✓	
5	175	1:04	174.3	✓	
6	175	1:04	173.7	✓	
7	150	1:06	149.0	✓	
8	150	1:06	150.0	✓	
9	125	1:07	124.7	✓	
10	125	1:08	125.0	✓	
11	100	1:09	99.7	✓	
12	100	1:10	99.8	✓	
13	100	1:10	99.9	✓	
14	75	1:11	75.3	✓	
15	75	1:11	75.0	✓	
16	45	1:12	44.7	✓	
17	45	1:13	44.7	✓	
18	45	1:13	44.3	✓	
19	25	1:14	25.0	✓	
20	25	1:15	25.4	✓	
21	25	1:15	25.0	✓	
22	5	1:16	5.4	✓	
23	5	1:17	5.7	✓	
24	5	1:17	6.2	✓	



# KM1412\_S2C28.hex



# KM1412\_S2C28.hex



**CMORE/AG-10**  
**KM1412**  
**CTD Data Sheet**

Station #           2            
 Cast #           28            
 Operator(s):           HOT-BOX          

Date:           06/14/14           (HST)  
 CTD Start Time:           14:00           (HST)  
 Target depth:           1000           (m)

Rosette Position	Depth (m)	Nuts	LLP/LLN	PC/PN 4L	PPO4 4L	PvsE		
1	<b>1000</b>	1						
2	<b>750</b>	2						
3	<b>500</b>	3						
4	<b>300</b>	4						
5	<b>175</b>	5						
6	<b>175</b>			6(7)	6(7)			
7	<b>150</b>	7						
8	<b>150</b>			8(8)	8(8)			
9	<b>125</b>	9						
10	<b>125</b>			10(9)	10(9)			
11	<b>100</b>					X		
12	<b>100</b>		12					
13	<b>100</b>			13(10)	13(10)			
14	<b>75</b>		14					
15	<b>75</b>			15(11)	15(11)			
16	<b>45</b>		16					
17	<b>45</b>			17(12)	17(12)			
18	<b>45</b>							
19	<b>25</b>		19					
20	<b>25</b>			20(13)	20(13)			
21	<b>25</b>					X		
22	<b>5</b>			22(14)	22(14)			
23	<b>5</b>		23					
24	<b>5</b>							

**Notes:**

**PC/PN sample (8) had brown spec on back of filter**

**CMORE/AG-10**  
**KM1412**  
**CTD Data Sheet**

Station #           2            
 Cast #           28            
 Operator(s):           HOT-BOX          

Date:           06/14/14           (HST)  
 CTD Start Time:           14:00           (HST)  
 Target depth:           1000           (m)

Rosette Position	Depth (m)	ATP 4L	ATP TUBE	Bact. Chl	FRRF	S.F.		
1	1000							
2	750							
3	500							
4	300							
5	175			X	X			
6	175							
7	150				X			
8	150							
9	125	1	64,65,66	X	X			
10	125							
11	100							
12	100	2	67,68,69		X			
13	100							
14	75	3	70,71,72	X	X			
15	75							
16	45	4	73,74,75		X			
17	45							
18	45					X		
19	25	5	76,77,78	X	X			
20	25							
21	25				X	X		
22	5							
23	5	6	79,80,81		X			
24	5					X		

**Notes:**

**ATP Blanks 82,83,84**

**ATP #73 - debris on filter (woodchips?). ATP #70 - cap off – small buffer loss.**

**ATP #80 – debris on filter & filter touched hot block before extraction.**

KM1412

CMORE/AG10

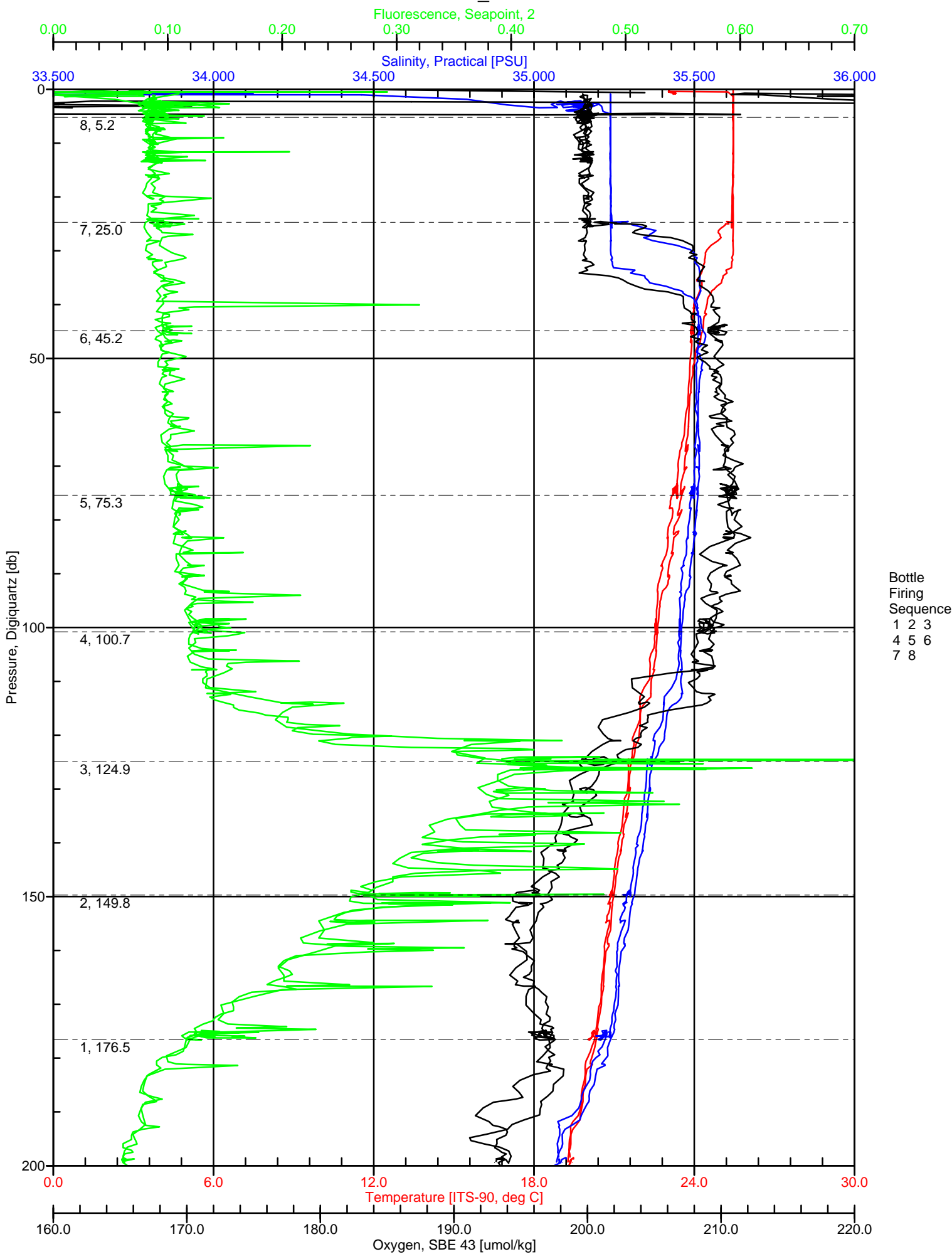
CTD CAST Logsheet

<b>Station: 2</b>	<b>Cast: 29</b>
<b>Bottom (m): ~4725</b>	<b>Date (GMT): 6/15/15</b>
<b>Time Start Logging HST: 18:03</b>	<b>Time Start Logging GMT: 04:03</b>
<b>Pressure on deck</b>	<b>Time GMT</b>
<b>Start: 0.8058</b>	<b>In water: 04:07</b>
<b>End: -0.060</b>	<b>Out water: 04:26</b>
<b>Latitude N</b>	<b>Longitude W</b>
<b>Start: 22 41.933</b>	<b>Start: 158 0.166</b>
<b>End: 22 41.892</b>	<b>End: 158 0.158</b>
<b>Max Press: 201.0</b>	<b>Operators: SS</b>

<b>CTD</b>	<b>Comments:</b>
<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> ISUS <input checked="" type="checkbox"/> Xmiss <input type="checkbox"/> FluorWet <input checked="" type="checkbox"/> FluorSea <input checked="" type="checkbox"/> FluorSea	MLD=33 DCM=131
<b>Owned by:</b> OTG	

Niskin	Target (db)	Time Stopped	Pressure	Confirm Trip	Comments
1	175	04:17	176.6	✓	
2	150	04:18	149.6	✓	
3	125	04:19	124.9	✓	
4	100	04:20	101.0	✓	
5	75	04:21	75.4	✓	
6	45	04:22	44.8	✓	
7	25	04:23	24.7	✓	
8	5	04:24	5.0	✓	
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# KM1412\_S2C29.hex



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