

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 5 / 27 / 2017	Temp-0 SN: con
CTD Section: Cycle 3		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-094.hex		Cond-0 SN: report
Operator: JM TK		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	05:37				0.7380	26.32396	
Sea Surface (soak 1 minute):	06:04	26° 38.099	90° 10.666	2808	3.4776	26.640	36.5576
End of Down-Cast:	06:14	26° 38.035	90° 10.765	2802	300		
Surface after Up-Cast:	06:34	26° 37.963	90 11.015	2810			
On Deck After Cast:	06:36						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	115	114.904	23.1327	36.4773	6.6573
2					
3					
4					
5	80	79.986	24.0670	36.4894	6.90180
6					
7					
8					
9	60	59.6645	25.1959	36.5364	6.7695
10					
11					
12					
13	40	39.7051	25.3090	36.4822	6.8004
14					
15					
16					
17	20	20.084	26.498	36.5628	6.5522
18					
19					
20					
21	5	4.6201	26.6032	36.5564	6.5053
22					
23					
24					

Cast Remarks:

135m DCM
 111
 000

TSG Temperature:

TSG Inlet Temperature:

TSG Salinity:

Any module errors during cast?*	Y / ☒ N	Did you draw a TSG salinity calibration sample?	Y / ☒ N
Any sensor changes/problems?*	Y / ☒ N	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / ☒ N	TSG salinity at sample time:	

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship:	NOAA Ship <i>Nancy Foster</i>	CTD Instrument Package:
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Press-1 SN: see

Date: 22 MAY 2017

Temp-0 SN: con

OK

Temp-1 SN: file

Cond-0 SN: report

Cond-1 SN: ...

Oxyq-0 SN: ...

Oxyg-1 SN: ...

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	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	09 : 08				0.806	26.053	
Sea Surface (soak 1 minute):	09 : 16	26° 38.564'N	90° 10.733'W	2785.7	2.7044	26.00002	36.65922
End of Down-Cast:	09 : 25	26° 38.552	90° 10.849	2789	308.0		
Surface after Up-Cast:	09 : 33	26° 38.546'N	90° 10.940'W	2789.81			
On Deck After Cast:	09 : 36				—	—	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

TSG Temperature:

TSG Inlet Temperature:

TSG Salinity:

Y / N

Did you draw a TSG salinity calibration sample?

Y / N

	Y	N
Y		
N		

TSG sample time (GMT):

Sample bottle #:

	Y	N
Y	1	0
N	0	1

TSG salinity at sample time:

NOAA - CTD Cast Information Field Log

AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 27 / 5 / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-096.hex		Cond-0 SN: report
Operator:		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	11:49				0.7427	26.85	
Sea Surface (soak 1 minute):	12:07	26° 39.38'N	90° 11.252'W	2769.70	3.7115	26.580	36561
End of Down-Cast:	13:03	26° 39.676'N	90° 11.940'W	2752.56			
Surface after Up-Cast:	14:21	26° 40.172'N	90° 12.732'W	2748.19			
On Deck After Cast:	14:23						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	2500	2532.280	4.302	34.976	6.676
2	2000	2022.01	4.773	34.974	6.655
3	1500	1500.79	4.357	34.967	6.464
4	1000	1000.830	5.380	34.926	5.205
5	800	799.481	6.439	34.908	4.382
6	600	600.935	8.265	34.993	3.751
7	400	399.773	11.984	35.479	3.689
8	250	349.910	13.577	35.734	3.895
9	300	300.199	15.788	36.013	4.207
10	250	249.970	16.902	36.250	3.978
11	200	200.312	19.507	36.535	4.034
12	150	150.069	21.974	36.470	5.400
13	120	120.345	22.061	36.454	6.593
14	100	100.625	23.465	36.499	6.805
15	80	79.931	23.971	36.479	6.881
16	60	59.996	25.078	36.498	6.802
17	40	40.234	25.274	36.471	6.801
18	20	20.229	26.566	36.559	6.526
19	3	4.013	26.601	36.559	6.482
20					
21					
22					
23					
24					

Cast Remarks:

DCM around 60

TSG Temperature:

TSG Inlet Temperature:

TSG Salinity:

Any module errors during cast?*

Y / N

Did you draw a TSG salinity calibration sample?

Y / N

Any sensor changes/problems?*

Y / N

TSG sample time (GMT):

Sample bottle #:

Any hardware changes/problems?*

Y / N

TSG salinity at sample time:

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Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 27 MAY 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704_097.hex		Cond-0 SN: report
Operator: LC		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	16:33				06638	27.87	
Sea Surface (soak 1 minute):	16:37	26°40.934	90° 10.612	2755	3.28	26.714	36.557
End of Down-Cast:	16:49	26°41.058	90° 10.675	2744			
Surface after Up-Cast:	17:13	26°41.282	90° 10.799	2728			
On Deck After Cast:	17:15				—	—	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	50	49.776	25.187	36.489	6.752
2	50	49.455	25.183	36.489	6.787
3	30	30.627	26.025	36.519	6.671
4	30	30.586	26.052	36.522	6.634
5	20	20.151	26.574	36.560	6.514
6	20	20.667	26.579	36.560	6.530
7	15	15.432	26.592	36.559	6.515
8	15	15.161	26.591	36.558	6.556
9	10	10.765	26.616	36.558	6.545
10	10				
11	10				
12	10	10.63	26.622	36.558	6.480
13	2	3.775	26.931	36.557	6.515
14	2				
15	2				
16	2				
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

132m chl max

TSG Temperature: **27.036**
TSG Inlet Temperature: **27.086**
TSG Salinity: **36.570**

Any module errors during cast?*	Y / N	Did you draw a TSG salinity calibration sample?	Y / N
Any sensor changes/problems?*	Y / N	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / N	TSG salinity at sample time:	

NOAA - CTD Cast Information Field Log AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship:	NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN:	see
Cruise:	NF-17-03/04	Date:	Temp-0 SN:	con
			Temp-1 SN:	file
CTD Section:	GOM	099.hex	Cond-0 SN:	report
CTD Cast Number and File Name:	NF1704-098.hex		Cond-1 SN:	...
Operator:	LC		Oxyg-0 SN:	...
			Oxyg-1 SN:	...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	21:13				0.8388	30.9611	
Sea Surface (soak 1 minute):	21:20	26° 42.438	90° 9.328	2721	3.145	23.185	36.545
End of Down-Cast:	21:33	26° 42.539	90° 9.295	2718			
Surface after Up-Cast:	21:44	26° 42.572	90° 9.302	2718			
On Deck After Cast:	21:47				—	—	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6		NO BOTTLES!			
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

140m Chl max

TSG Temperature:	27.346
TSG Inlet Temperature:	27.448
TSG Salinity:	36.547

Any module errors during cast?*	Y / N	Did you draw a TSG salinity calibration sample?	Y / N
Any sensor changes/problems?*	Y / N	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / N	TSG salinity at sample time:	

Ship:	NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN:	see	
Cruise:	NF-17-03/04	Date:	5 / 27 / 2017	Temp-0 SN:	con
			Temp-1 SN:	file	
CTD Section:	GOM	100.hex	Cond-0 SN:	report	
CTD Cast Number and File Name:		NF1704-099.hex	Cond-1 SN:	...	
Operator:	TK		Oxyg-0 SN:	...	
			Oxyg-1 SN:	...	

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	00 : 21				0.841	22.6021	
Sea Surface (soak 1 minute):	00 : 28	26°42.509	90°7.800	2752	3.029	27.1858	36.539
End of Down-Cast:	00 : 41	26°42.492	90°7.861	2737			
Surface after Up-Cast:	00 : 56	26°42.498	90°7.966	2736			
On Deck After Cast:	00 : 58						

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	20	19.021	26.6101	36.5563	6.5851
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

127^m
DCM

28^m
MLD

TSG salinity at sample time:

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 5 / 28 / 2017	Temp-0 SN: con
CTD Section: GOM 102.		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-100.hex		Cond-0 SN: report
Operator: KS + LF		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	04:40				0.8089	26.6575	
Sea Surface (soak 1 minute):	04:51	26° 42.080	90° 7.448	2751	3.8571	26.9291	36.552
End of Down-Cast:	05:02	26° 42.006	90° 7.646	2753			
Surface after Up-Cast:	05:11	26° 41.970	90° 7.757	2755			
On Deck After Cast:	05:15				2.9714	26.9120	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

chl max 140

CTD cast no. labeled 100.hex but should have been 102.hex

Mystery?

No 100.hex logsheet - so data file would have been overwritten...

TSG Temperature: **26.911**

TSG Inlet Temperature: **27.003**

TSG Salinity: **36.534**

Any module errors during cast?*	Y / (N)	Did you draw a TSG salinity calibration sample?	Y / (N)
Any sensor changes/problems?*	Y / (N)	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / (N)	TSG salinity at sample time:	

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship:	NOAA Ship <i>Nancy Foster</i>	CTD Instrument Package:	Press-1 SN: see
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CTD Instrument Package:	Press-1 SN: see
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Press-1 SN: see

Cruise:	NF-17-03/04	Date:	5 / 28 / 2017	Temp-0 SN:	con
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Temp-0 SN: con

CTD Section: GOM	Cond-0 SN: report
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Temp-1 SN: file

Cond-0 SN: report

CTD Cast Number and File Name: NF104_103.hex	Cond-1 SN: ...
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Cond-1 SN: ...

Operator: LF/JM	Oxyg-0 SN: ...
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Oxyg-0 SN: ...

Oxyg-1 SN: ...

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	05 : 59				0.6588	26.35	
Sea Surface (soak 1 minute):	06 : 05	26 43.434	90 7.076	2736	3.2443	26.954	36.5430
End of Down-Cast:	06 : 13	26 43.410	90 7.178	2725			
Surface after Up-Cast:	06 : 32	26 43.409	90 7.439	2724			
On Deck After Cast:	06 : 35				3.822	26.901	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	115	116.0078	23.247	36.485	6.7105
2	↓	↓	↓	↓	↓
3	↓	↓	↓	↓	↓
4	↓	↓	↓	↓	↓
5	80	79.205	24.123	36.486	6.909
6	↓	↓	↓	↓	↓
7	↓	↓	↓	↓	↓
8	↓	↓	↓	↓	↓
9	60	60.445	25.135	36.500	6.788
10	↓	↓	↓	↓	↓
11	↓	↓	↓	↓	↓
12	↓	↓	↓	↓	↓
13	40	40.46	25.295	36.460	6.807
14	↓	↓	↓	↓	↓
15	↓	↓	↓	↓	↓
16	↓	↓	↓	↓	↓
17	20	20.630	26.613	36.561	6.513
18	↓	↓	↓	↓	↓
19	↓	↓	↓	↓	↓
20	↓	↓	↓	↓	↓
21	5	5.451	26.899	36.542	6.508
22	↓	↓	↓	↓	↓
23	↓	↓	↓	↓	↓
24	↓	↓	↓	↓	↓

Cast Remarks:

Set up for
MO 7 Sept
(arrow)

Q max: 134-143

Dist PAR
0.18437

TSG Temperature:	26.906
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TSG Inlet Temperature: 26.994	
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TSG Salinity:	36.545
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Any module errors during cast?*	Y / N	Did you draw a TSG salinity calibration sample?	Y / N
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Did you draw a TSG salinity calibration sample? Y / N

Any sensor changes/problems?*	Y / N	TSG sample time (GMT):	Sample bottle #:
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TSG sample time (GMT):	Sample bottle #:
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Any hardware changes/problems?*	Y / N	TSG salinity at sample time:
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TSG salinity at sample time:

NOAA - CTD Cast Information Field Log													
AOML/PhOD & SEFSC/FORCES Coastal Ops.													
Ship: NOAA Ship <i>Nancy Foster</i>		CTD Instrument Package:			Press-1 SN: see								
Cruise: <i>NF-17-03/04</i>		Date: <i>28 / May / 2017</i>			Temp-0 SN: con								
CTD Section: <i>COM</i> CTD Cast Number and File Name: <i>NF1704-104-hex</i> Operator: <i>LF</i>					Temp-1 SN: file								
					Cond-0 SN: report								
					Cond-1 SN: ...								
					Oxyg-0 SN: ...								
					Oxyg-1 SN: ...								
Time (GMT)		Latitude		Longitude		Bottom (m)		Pressure		Temperature		Salinity	
On Deck Before Cast: <i>09:31</i>								<i>0.8097</i>		<i>26.269</i>			
Sea Surface (soak 1 minute): <i>09:36</i>		<i>26° 43.66'</i>		<i>90° 6.989</i>		<i>2730</i>		<i>2.652</i>		<i>26.746</i>		<i>36.551</i>	
End of Down-Cast: <i>09:44</i>		<i>26° 43.78</i>		<i>90° 7.044</i>		<i>2715</i>							
Surface after Up-Cast: <i>09:54</i>		<i>26° 43.697</i>		<i>90° 7.080</i>		<i>2714</i>							
On Deck After Cast: <i>09:57</i>								<i>3.318</i>		<i>26.736</i>			
Niskin Bottle Trips:													
Niskin Bottle		Target Pressure		Recorded Pressure		Primary Temperature		Primary Salinity		Primary Oxygen		Cast Remarks: <i>chl max: 136</i>	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
TSG Temperature: <i>26.734</i>													
TSG Inlet Temperature: <i>26.828</i>													
TSG Salinity: <i>36.555</i>													
Any module errors during cast?*				Y / N		Did you draw a TSG salinity calibration sample?				Y / N			
Any sensor changes/problems?*				Y / N		TSG sample time (GMT):				Sample bottle #:			
Any hardware changes/problems?*				Y / N		TSG salinity at sample time:							

Cast Remarks:

chl max: 136

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 28 May 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-105. net		Cond-0 SN: report
Operator: LF		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	12:12				0.8782	26.72	
Sea Surface (soak 1 minute):	12:28	26°44.489	90° 7.435	2705	3.739	26.69	36.55
End of Down-Cast:	12:37	26°44.612	90° 7.519	2704			
Surface after Up-Cast:	12:46	26°44.717	90° 7.590	2699			
On Deck After Cast:	12:51				4.3251	26.688	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

No bottles

Cast Remarks:

chl max! 135

TSG Temperature: *26.692*
TSG Inlet Temperature: *26.183*
TSG Salinity: *36.557*

Any module errors during cast?*	Y / N	Did you draw a TSG salinity calibration sample?	Y / N
Any sensor changes/problems?*	Y / N	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / N	TSG salinity at sample time:	

NOAA - CTD Cast Information Field Log

AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 28 MAY 1 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-106.hox		Cond-0 SN: report
Operator: LC		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	15 : 39				0.7338	28.942	
Sea Surface (soak 1 minute):	15 : 47	26° 45.053	90° 6.859	2696	3.477	26.762	36.549
End of Down-Cast:	15 : 56	26° 45.175	90° 6.923	2696			
Surface after Up-Cast:	16 : 15	26° 45.404	90° 7.043	2686			
On Deck After Cast:	16 : 18				—	—	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	50	50.384	25.186	36.501	6.818
2	50	—	—	—	—
3	30	30.280	26.544	36.571	6.560
4	30	—	—	—	—
5	20	20.808	26.683	36.550	6.532
6	20	—	—	—	—
7	15	19.610	26.707	36.548	6.577
8	15	—	—	—	—
9	10	10.312	26.745	36.547	6.534
10	10	—	—	—	—
11	10	—	—	—	—
12	10	—	—	—	—
13	2	3.1665	26.781	36.547	6.484
14	2	—	—	—	—
15	2	—	—	—	—
16	2	—	—	—	—
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

130m chl max

TSG Temperature:

TSG Inlet Temperature:

TSG Salinity:

Any module errors during cast?*

Y / N

Did you draw a TSG salinity calibration sample?

Y / N

Any sensor changes/problems?*

Y / N

TSG sample time (GMT):

Sample bottle #:

Any hardware changes/problems?*

Y / N

TSG salinity at sample time:

NOAA - CTD Cast Information Field Log AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship *Nancy Foster*
Cruise: NF-17-03/04

CTD Instrument Package:
Date: 28/05 / 2017

Temp-0 SN: con

Temp-1 SN: file

Cond-0 SN:	report
------------	--------

Cond-1 SN:

Onix-0 SN: _____

Oxyg-0 SN:	...
Oxyg-1 SN:	...

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

CTD Cast Number and File Name: NF704_107.hex

Operator: RT

Latitude

Bottom (m)

Temperature

Salinity

 $17 \leq 2$

0.7672

77.1529

18 : 20

18 : 20

76°45.93N

90° 5.599

2006

35376

76. E. E. 3

36.548

19 : 14

19 : 14

76-46-145

90.5.70

2.675 =

70 : 22

70 : 22

26.46.273

26 29.1

20:24

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	2500	2501.25	4.2041	34.9757	6.6601
2	2000	1999.38	4.2792	34.973	6.6309
3	1500	1500.40	4.3710	34.966	6.4277
4	1000	1000.052	5.254	34.926	5.2296
5	800	800.524	6.3620	34.904	4.4400
6	600	600.830	8.340	35.000	3.7185
7	400	400.565	12.027	35.488	3.679
8	350	350.816	13.320	35.684	3.5415
9	300	300.601	15.1621	35.9957	4.2434
10	250	250.251	16.8589	36.2657	4.3470
11	200	200.7737	18.8336	36.53912	4.1649
12	150	150.7508	21.94571	36.49208	5.50551
13	120	120.0818	22.9459	36.45059	6.60020
14	100	101.0798	23.40633	36.50552	6.7827
15	80	80.852	23.934	36.472	6.893
16	60	60.48	24.6164	36.5179	6.9428
17	40	40.5854	25.2712	36.47329	6.81397
18	20	20.6852	26.67221	36.5560	6.57045
19	3	3.7521	26.9558	36.5420	6.5918
20					
21					
22					
23					
24					

[illegible]

TSG Inlet Temperature: 26.965

TSG Salinity: 30.549

Y / N

Y / N

$$\frac{Y}{N}$$

TSG sample time (GMT):

Sample bottle #:

$$\frac{Y}{Y+N}$$

TSG salinity at sample time:

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 29 MAY 1 2017	Temp-0 SN: con
CTD Section: GOM 109.hex		Temp-1 SN: file
CTD Cast Number and File Name: NF1704_108.hex		Cond-0 SN: report
Operator: LC		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	00:10				0.8125	26.7268	
Sea Surface (soak 1 minute):	00:20	26° 46.616	90° 3.049	2694	3.318	26.987	36.540
End of Down-Cast:	00:32	26° 46.661	90° 3.062	2690			
Surface after Up-Cast:	00:59	26° 46.753	90° 3.125	2683			
On Deck After Cast:	01:02						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	30	29.871	26.460	36.556	6.597
2	30	29.751	26.472	36.561	6.552
3	30	29.819	26.479	36.559	6.577
4	30	29.970	26.453	36.559	6.599
5	30	29.134	26.442	36.561	6.580
6	30	29.922	26.482	36.561	6.576
7	30	29.605	26.501	36.562	6.589
8	30	29.908	26.500	36.564	6.515
9	15	15.631	26.820	36.550	6.518
10	15	15.682	26.835	36.548	6.561
11	15	15.584	26.830	36.548	6.518
12	15	15.460	26.861	36.547	6.521
13	15	15.361	26.902	36.547	6.470
14	15	15.688	26.889	36.547	6.464
15	15	15.566	26.919	36.545	6.515
16	15	15.722	26.947	36.547	6.514
17	3	3.521	26.988	36.541	6.480
18	3	3.843	26.988	36.541	6.498
19	3	3.440	26.990	36.541	6.509
20	3	3.298	26.993	36.540	6.513
21	3	3.687	27.003	36.541	6.515
22	3	3.388	27.008	36.541	6.493
23	3	3.280	27.013	36.541	6.498
24	3	3.234	27.013	36.540	6.495

Cast Remarks:

135m chl max

TSG Temperature: **27.008 °C**

TSG Inlet Temperature: **27.094 °C**

TSG Salinity: **36.546 PSU**

Any module errors during cast?*	Y / N	Did you draw a TSG salinity calibration sample?	Y / N
Any sensor changes/problems?*	Y / N	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / N	TSG salinity at sample time:	

NOAA - CTD Cast Information Field Log

AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Shlp Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 29 May 1 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-111_hex		Cond-0 SN: report
Operator: LF		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	04:40				0.7071	26.11018	
Sea Surface (soak 1 minute):	04:57	26°46.217	90°3.011	2692	3.7102	26.931	36.551
End of Down-Cast:	05:06	26°46.187	90°3.170	2691			
Surface after Up-Cast:	05:22	26°46.141	90°3.494	2690			
On Deck After Cast:	05:56				3.8275	26.932	

had to reset bottles

Niskin Bottle Trips:					
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	30m	30.423	26.207	36.553	6.512
2					
3					
4					
5					
6					
7					
8					
9	15m	15.492	26.909	36.550	6.535
10					
11					
12					
13					
14					
15					
16					
17	3m	3.975	26.919	36.552	6.483
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

chl max 1.138

n.b.

No one used this water

2

TSG Temperature: **26.903**

TSG Inlet Temperature: **26.988**

TSG Salinity: **36.557**

Any module errors during cast?*	Y / (N)	Did you draw a TSG salinity calibration sample?	Y / (N)
Any sensor changes/problems?*	Y / (N)	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / (N)	TSG salinity at sample time:	

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 29 / MAY / 2017	Temp-0 SN: con
CTD Section: COM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-112-NEX		Cond-0 SN: report
Operator: KS P. Pison		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	06:09				0.7670	26.0577	
Sea Surface (soak 1 minute):	06:19	26°46'08"N	90°23'55"W	2709.7	3.5514	26.89485	36.55161
End of Down-Cast:	06:28	26°47'02"	90°25'16"W	2690.6			
Surface after Up-Cast:	06:46	26°47'05"	90°28'32"W	2689.8			
On Deck After Cast:	06:48				3.3251	26.89449	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	115	115.6408	23.17650	36.46076	6.65623
2	↓	↓	↓	↓	↓
3	↓	↓	↓	↓	↓
4	↓	↓	↓	↓	↓
5	80	80.2640	24.25478	36.45880	6.91259
6	↓	↓	↓	↓	↓
7	↓	↓	↓	↓	↓
8	↓	↓	↓	↓	↓
9	60	60.2723	25.16423	36.45502	6.77701
10	↓	↓	↓	↓	↓
11	↓	↓	↓	↓	↓
12	↓	↓	↓	↓	↓
13	40	40.7453	25.41296	36.45455	6.71161
14	↓	↓	↓	↓	↓
15	↓	↓	↓	↓	↓
16	↓	↓	↓	↓	↓
17	20	20.9512	26.73437	36.56369	6.55155
18	↓	↓	↓	↓	↓
19	↓	↓	↓	↓	↓
20	↓	↓	↓	↓	↓
21	5	5.6200	26.89464	36.55365	6.52240
22	↓	↓	↓	↓	↓
23	↓	↓	↓	↓	↓
24	↓	↓	↓	↓	↓

Cast Remarks:

Chl max =
137m
(slump feature)

TSG Temperature: **26.896 °C**

TSG Inlet Temperature: **26.978 °C**

TSG Salinity: **36.558 PSU**

Any module errors during cast?*	Y / (N)	Did you draw a TSG salinity calibration sample?	Y / (N)
Any sensor changes/problems?*	Y / (N)	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / (N)	TSG salinity at sample time:	

NOAA - CTD Cast Information Field Log AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 5 / 29 / 2017	Temp-0 SN: con
CTD Section: Cycle 3		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-114.6ex		Cond-0 SN: report
Operator: JM/LF		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	12:03				0.8300	26.79804	
Sea Surface (soak 1 minute):	12:19	26° 47.276	90° 2.146	2.691	3.070	26.826	36.552
End of Down-Cast:	12:27	26° 47.338	90° 2.160	2.686			
Surface after Up-Cast:	12:35	26° 47.398	90° 2.173	2.686			
On Deck After Cast:	12:43				3.341	26.813	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

chl max: 132

TSG Temperature: **26.829**

TSG Inlet Temperature: **26.915**

TSG Salinity: **36.557**

Any module errors during cast? **Y / N**

Any sensor changes/problems? **Y / N**

Any hardware changes/problems? **Y / N**

Did you draw a TSG salinity calibration sample? **Y / N**

TSG sample time (GMT): Sample bottle #:

TSG salinity at sample time:

Ship: <i>NF</i>		NOAA Ship <i>Nancy Foster</i>		CTD Instrument Package:		Press-1 SN: <i>see</i>		
Cruise: <i>1704</i>		NF-17-03/04		Date: <i>27 May 2017</i>		Temp-0 SN: <i>con</i>		
CTD Section: <i>GOM</i> CTD Cast Number and File Name: <i>NF1704-115 box</i> Operator: <i>KS-LC</i>						Temp-1 SN: <i>file</i>		
						Cond-0 SN: <i>report</i>		
						Cond-1 SN: <i>...</i>		
						Oxyg-0 SN: <i>...</i>		
						Oxyg-1 SN: <i>...</i>		
		Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:		<i>15:02</i>				<i>0.7443</i>	<i>28.62789</i>	
Sea Surface (soak 1 minute):		<i>15:46</i>	<i>26° 47.897</i>	<i>90° 0.568</i>	<i>2683</i>	<i>3.307</i>	<i>26.883</i>	<i>36.550</i>
End of Down-Cast:		<i>15:54</i>	<i>26° 47.971</i>	<i>90° 0.541</i>	<i>2679</i>			
Surface after Up-Cast:		<i>16:15</i>	<i>26° 48.088</i>	<i>90° 0.462</i>	<i>2681</i>			
On Deck After Cast:		<i>16:18</i>						
Niskin Bottle Trips:								
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen	Cast Remarks: <i>chl max = 130m</i>		
1	<i>30</i>	<i>50.223</i>	<i>25.214</i>	<i>36.481</i>	<i>6.821</i>			
2	<i>30</i>	<i>49.779</i>	<i>25.214</i>	<i>36.482</i>	<i>6.773</i>			
3	<i>30</i>	<i>30.115</i>	<i>26.455</i>	<i>36.559</i>	<i>6.559</i>			
4	<i>30</i>	<i>30.297</i>	<i>26.456</i>	<i>36.558</i>	<i>6.585</i>			
5	<i>20</i>	<i>20.440</i>	<i>26.782</i>	<i>36.561</i>	<i>6.505</i>			
6	<i>20</i>	<i>20.290</i>	<i>26.789</i>	<i>36.560</i>	<i>6.531</i>			
7	<i>15</i>	<i>14.870</i>	<i>26.826</i>	<i>36.551</i>	<i>6.476</i>			
8	<i>15</i>	<i>15.007</i>	<i>26.829</i>	<i>36.550</i>	<i>6.574</i>			
9	<i>10</i>	<i>10.106</i>	<i>26.845</i>	<i>36.550</i>	<i>6.551</i>			
10	<i>10</i>	<i>10.079</i>	<i>26.900</i>	<i>36.550</i>	<i>6.513</i>			
11	<i>10</i>	<i>10.003</i>	<i>26.889</i>	<i>36.550</i>	<i>6.520</i>			
12	<i>10</i>	<i>10.290</i>	<i>26.850</i>	<i>36.553</i>	<i>6.496</i>			
13	<i>2</i>	<i>3.236</i>	<i>26.884</i>	<i>36.550</i>	<i>6.536</i>			
14	<i>2</i>	<i>3.500</i>	<i>26.884</i>	<i>36.550</i>	<i>6.538</i>			
15	<i>2</i>	<i>2.910</i>	<i>26.880</i>	<i>36.550</i>	<i>6.494</i>			
16	<i>2</i>	<i>3.258</i>	<i>26.916</i>	<i>36.550</i>	<i>6.519</i>			
17								
18								
19								
20								
21								
22								
23								
24								
TSG Temperature:		<i>27.169</i>						
TSG Inlet Temperature:		<i>27.167</i>						
TSG Salinity:		<i>36.515</i>						
Any module errors during cast?*		<i>Y / N</i>		Did you draw a TSG salinity calibration sample?		<i>Y / N</i>		
Any sensor changes/problems?*		<i>Y / N</i>		TSG sample time (GMT):		Sample bottle #:		
Any hardware changes/problems?*		<i>Y / N</i>		TSG salinity at sample time:				

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NF	NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: 1704	NF-17-03/04	Date: 29 MAY 2017	Temp-0 SN: con
CTD Section: GOM			Temp-1 SN: file
CTD Cast Number and File Name: NF1704-116-hex			Cond-0 SN: report
Operator: LC			Cond-1 SN: ...
			Oxyg-0 SN: ...
			Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	18:03				0.8072	28.768	
Sea Surface (soak 1 minute):	18:21	26°48.901	90° 0.857	2666	3.222	27.250	36.554
End of Down-Cast:	18:29	26°48.947	90° 0.868	2667			
Surface after Up-Cast:	18:37	26°48.976	90° 0.876	2669			
On Deck After Cast:	18:40						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

Chl max 132 m

TSG Temperature: **27.519 °C**

TSG Inlet Temperature: **27.598 °C**

TSG Salinity: **36.563 PSU**

Any module errors during cast?* **Y / N** Did you draw a TSG salinity calibration sample? **Y / N**

Any sensor changes/problems?* **Y / N** TSG sample time (GMT): Sample bottle #:

Any hardware changes/problems?* **Y / N** TSG salinity at sample time:

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NF	NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: 1704	NF-17-03/04	Date: 29 MAY 1 2017	Temp-0 SN: con
CTD Section: GOM			Temp-1 SN: file
CTD Cast Number and File Name: NF1704-117.hex			Cond-0 SN: report
Operator: LC			Cond-1 SN: ...
			Oxyg-0 SN: ...
			Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	21:11				0.8428	29.929	
Sea Surface (soak 1 minute):	21:20	26° 49.192	90° 0.191	2662	3.154	27.413	36.552
End of Down-Cast:	21:32	26° 49.267	90° 0.173	2665			
Surface after Up-Cast:	21:44	26° 49.282	90° 0.145	2662			
On Deck After Cast:	21:47						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

chl max 132m

TSG Temperature: **27.411 °C**
TSG Inlet Temperature: **27.438 °C**
TSG Salinity: **36.535 psu**

Any module errors during cast?* Y / N	Did you draw a TSG salinity calibration sample? Y / N
Any sensor changes/problems?* Y / N	TSG sample time (GMT): Sample bottle #:
Any hardware changes/problems?* Y / N	TSG salinity at sample time:

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NF NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: 1704 NF-17-03/04	Date: 301 5 1 2017	Temp-0 SN: con
		Temp-1 SN: file
CTD Section: GOM		Cond-0 SN: report
CTD Cast Number and File Name: NF1704-118.hex		Cond-1 SN: ...
Operator: TK		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	23 : 59				0.8924	27.2323	
Sea Surface (soak 1 minute):	00 : 18	26° 49.438	89° 59.227	2664	3210	27.2100	36.555
End of Down-Cast:	00 : 29	26° 49.469	89 59.339	2664			
Surface after Up-Cast:	:						
On Deck After Cast:	:						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	300	322.21	14.532	35.8916	4.1210
2	200	199.453	19.275	36.5155	3.9140
3	180	180.001	20.6990	36.58261	4.318
4	160	160.206	21.8320	36.4953	5.2440
5	140	139.265	22.6497	36.4533	6.2785
6	120	119.89	23.1903	36.4909	6.6779
7	100	99.559	23.4198	36.5033	6.7723
8	80	80.271	23.9842	36.5108	6.8750
9	50	49.422	25.2572	36.4919	6.7607
10	40	39.8704	25.3684	36.4666	6.7251
11	30	29.635	26.5788	36.56815	6.5633
12	┃	┃	┃	┃	┃
13	┃	┃	┃	┃	┃
14	15	14.5536	26.8646	36.5553	6.5240
15	┃	┃	┃	┃	┃
16	┃	┃	┃	┃	┃
17	3	3.2448	27.2006	36.5543	6.4784
18	┃	┃	┃	┃	┃
19	┃	┃	┃	┃	┃
20					
21					
22					
23					
24					

Cast Remarks:

Thorium end
of cycle
Cent. 300m

DCM : 133m
(130-140)

TSG Temperature:

TSG Inlet Temperature:

TSG Salinity:

Any module errors during cast?*	Y / N	Did you draw a TSG salinity calibration sample?	Y / N
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Any sensor changes/problems?*	Y / N	TSG sample time (GMT):	Sample bottle #:
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Any hardware changes/problems?*	Y / N	TSG salinity at sample time:	
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NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: <u>NF</u> NOAA Ship <u>Nancy Foster</u>	CTD Instrument Package:	Press-1 SN: <u>see</u>
Cruise: <u>1704</u> NF-17-03/04	Date: <u>30 / MAY / 2017</u>	Temp-0 SN: <u>con</u>
CTD Section: <u>GOM</u>		Temp-1 SN: <u>file</u>
CTD Cast Number and File Name: <u>NF1704-119. hex</u>		Cond-0 SN: <u>report</u>
Operator: <u>LC</u>		Cond-1 SN: <u>...</u>
		Oxyg-0 SN: <u>...</u>
		Oxyg-1 SN: <u>...</u>

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	<u>02:39</u>				<u>0.8212</u>	<u>26.126</u>	
Sea Surface (soak 1 minute):	<u>02:48</u>	<u>26° 48.492</u>	<u>89° 59.309</u>	<u>2682</u>	<u>3.384</u>	<u>27.077</u>	<u>36.555</u>
End of Down-Cast:	<u>03:00</u>	<u>26° 48.419</u>	<u>89° 59.416</u>	<u>2685</u>			
Surface after Up-Cast:	<u>03:16</u>	<u>26° 48.320</u>	<u>89° 59.501</u>	<u>2688</u>			
On Deck After Cast:	<u>03:18</u>						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

Chlmax 139m
407m some
issues with the
cable, then CTD
when down to
fix it. (~430m)

TSG Temperature: 27.026°C
TSG Inlet Temperature: 27.118°C
TSG Salinity: 36.562 psu

Any module errors during cast?* <u>Y / N</u>	Did you draw a TSG salinity calibration sample? <u>Y / N</u>
Any sensor changes/problems?* <u>Y / N</u>	TSG sample time (GMT): _____ Sample bottle #: _____
Any hardware changes/problems?* <u>Y / N</u>	TSG salinity at sample time: _____

NOAA - CTD Cast Information Field Log
AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: <u>NF</u> NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: <u>see</u>
Cruise: <u>1704</u> NF-17-03/04	Date: <u>5/30</u> / <u>1</u> 2017	Temp-0 SN: <u>con</u>
CTD Section: <u>GOM Cycle 3</u>		Temp-1 SN: <u>file</u>
CTD Cast Number and File Name: <u>NF1704_1211_hex</u>		Cond-0 SN: <u>report</u>
Operator:		Cond-1 SN: <u>...</u>
		Oxyg-0 SN: <u>...</u>
		Oxyg-1 SN: <u>...</u>

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	<u>04:00</u>				<u>0.8307</u>	<u>26.39627</u>	
Sea Surface (soak 1 minute):	<u>06:06</u>	<u>26°48.870'</u>	<u>89°58.625'W</u>	<u>2674.8</u>	<u>3.8303</u>	<u>27.02403</u>	<u>36.55457</u>
End of Down-Cast:	<u>06:15</u>	<u>26°48.828'</u>	<u>89°58.721W</u>	<u>2674.6</u>			
Surface after Up-Cast:	<u>06:32</u>	<u>26°48.777'</u>	<u>89.58870W</u>	<u>2676.4</u>			
On Deck After Cast:	<u>06:34</u>				<u>3.0845</u>	<u>27.00813</u>	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	<u>115</u>	<u>115.1716</u>	<u>23.19947</u>	<u>36.44966</u>	<u>6.66182</u>
2	↓	↓	↓	↓	↓
3	↓	↓	↓	↓	↓
4	↓	↓	↓	↓	↓
5	<u>80</u>	<u>80.2226</u>	<u>24.10776</u>	<u>36.48686</u>	<u>6.89431</u>
6	↓	↓	↓	↓	↓
7	↓	↓	↓	↓	↓
8	↓	↓	↓	↓	↓
9	<u>60</u>	<u>60.0539</u>	<u>25.00309</u>	<u>36.50081</u>	<u>6.82762</u>
10	↓	↓	↓	↓	↓
11	↓	↓	↓	↓	↓
12	↓	↓	↓	↓	↓
13	<u>40</u>	<u>40.2902</u>	<u>25.40575</u>	<u>36.46155</u>	<u>6.76991</u>
14	↓	↓	↓	↓	↓
15	↓	↓	↓	↓	↓
16	↓	↓	↓	↓	↓
17	<u>20</u>	<u>20.2165</u>	<u>26.83268</u>	<u>36.55663</u>	<u>6.49030</u>
18	↓	↓	↓	↓	↓
19	↓	↓	↓	↓	↓
20	↓	↓	↓	↓	↓
21	<u>5</u>	<u>5.2036</u>	<u>27.00517</u>	<u>36.55187</u>	<u>6.48158</u>
22	↓	↓	↓	↓	↓
23	↓	↓	↓	↓	↓
24	↓	↓	↓	↓	↓

Cast Remarks:

Chl may:
~140m

TSG Temperature: 27.011°C

TSG Inlet Temperature: 27.092°C

TSG Salinity: 36.558 PSU

Any module errors during cast? <u>Y / N</u>	Did you draw a TSG salinity calibration sample? <u>Y / N</u>
Any sensor changes/problems? <u>Y / N</u>	TSG sample time (GMT): _____ Sample bottle #: _____
Any hardware changes/problems? <u>Y / N</u>	TSG salinity at sample time: _____

NOAA - CTD Cast Information Field Log AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 31 May 2017	Temp-0 SN: con
CTD Section: 60M		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-122-hex		Cond-0 SN: report
Operator: IC		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	08:30				0.8772	26.310	
Sea Surface (soak 1 minute):	08:44	26° 48.742	89° 58.415	2678	3.547	26.977	36.55
End of Down-Cast:	08:52	26° 48.75	89° 58.476	2677			
Surface after Up-Cast:	09:00	26° 48.78	89° 58.537	2677			
On Deck After Cast:	09:05				3.342	26.976	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

chl max: 133

TSG Temperature: 26.976
TSG Inlet Temperature: 26.066
TSG Salinity: 36.551

Any module errors during cast?*	Y / N	Did you draw a TSG salinity calibration sample?	Y / N
Any sensor changes/problems?*	Y / N	TSG sample time (GMT):	Sample bottle #:
Any hardware changes/problems?*	Y / N	TSG salinity at sample time:	

500m

NOAA - CTD Cast Information Field Log AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 30 / May / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF-1704-123_hex		Cond-0 SN: report
Operator: LF		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	14:53				0.748	28.151	
Sea Surface (soak 1 minute):	15:02	26° 29.346	89° 29.914	2951	3.036	26.868	36.572
End of Down-Cast:	15:16	26° 29.220	89° 29.980	2952			
Surface after Up-Cast:	15:27	26° 29.076	89° 30.014	2954			
On Deck After Cast:	15:30						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

CLI max: 120

TSG Temperature:

TSG Inlet Temperature:

TSG Salinity:

Any module errors during cast?*

Y / N

Did you draw a TSG salinity calibration sample?

Y / N

Any sensor changes/problems?*

Y / N

TSG sample time (GMT):

Sample bottle #:

Any hardware changes/problems?*

Y / N

TSG salinity at sample time:

NOAA - CTD Cast Information Field Log

AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: <u>NOAA Ship Nancy Foster</u>	CTD Instrument Package:	Press-1 SN: <u>see</u>
Cruise: <u>4 NF-17-03/04</u>	Date: <u>30 May 1 2017</u>	Temp-0 SN: <u>con</u>
CTD Section: <u>GOM</u>		Temp-1 SN: <u>file</u>
CTD Cast Number and File Name: <u>NF-1704-1241</u>		Cond-0 SN: <u>report</u>
Operator: <u>LC</u>		Cond-1 SN: <u>...</u>
		Oxyg-0 SN: <u>...</u>
		Oxyg-1 SN: <u>...</u>

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	19:29				0.885	30.820	
Sea Surface (soak 1 minute):	19:36	26°26.546'	89° 0.991'	2844	3.708	27.232	36.488
End of Down-Cast:	19:48	26°26.488'	89° 1.052'	2845			
Surface after Up-Cast:	20:01	26°26.380'	89° 1.140'	2846			
On Deck After Cast:	20:04						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

chl max 113m

TSG Temperature: 27.180

TSG Inlet Temperature: 27.260

TSG Salinity: 36.494

Any module errors during cast?* Y / N

Any sensor changes/problems?* Y / N

Any hardware changes/problems?* Y / N

Did you draw a TSG salinity calibration sample? Y / N

TSG sample time (GMT): Sample bottle #:

TSG salinity at sample time:

NOAA - CTD Cast Information Field Log

AOML/PhOD & SEFSC/FORCES Coastal Ops.

Ship: <u>NOAA Ship Nancy Foster</u>	CTD Instrument Package: <u> </u>	Press-1 SN: <u>see</u>
Cruise: <u>NF-17-03/04</u>	Date: <u>30 MAY 1 2017</u>	Temp-0 SN: <u>con</u>
CTD Section: <u>ADM</u>		Temp-1 SN: <u>file</u>
CTD Cast Number and File Name: <u>NF-1704-125-hex</u>		Cond-0 SN: <u>report</u>
Operator: <u>LC</u>		Cond-1 SN: <u>...</u>
		Oxyg-0 SN: <u>...</u>
		Oxyg-1 SN: <u>...</u>

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	23:19				0.8104	29.003	
Sea Surface (soak 1 minute):	23:50	26° 20.504	88° 40.368	2713	2.830	27.316	36.315
End of Down-Cast:	23:59	26° 20.371	88° 40.352	2714			
Surface after Up-Cast:	00:07	26° 20.290	88° 40.402	2715			
On Deck After Cast:	00:09						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

Chl max 95m

TSG Temperature: 27.337

TSG Inlet Temperature: 27.416

TSG Salinity: 36.326

Any module errors during cast?* Y / N

Any sensor changes/problems?* Y / N

Any hardware changes/problems?* Y / N

Did you draw a TSG salinity calibration sample? Y / N

TSG sample time (GMT): Sample bottle #:

TSG salinity at sample time: