

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: 05 / 16 / 2017	Temp-0 SN: con
		Temp-1 SN: file
CTD Section: G10M		Cond-0 SN: report
CTD Cast Number and File Name: NF1704-054.hex		Cond-1 SN: ...
Operator: SH		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	09:45				0.7817	23.62171	
Sea Surface (soak 1 minute):	09:57	25° 59.1689'N	89° 15.170'W	3115.010	13.5506	25.27178	36.56856
End of Down-Cast:	10:05	25° 59.139	89° 15.268	3155.80	302.5798		
Surface after Up-Cast:	10:30	25° 59.434	89° 15.350	3159.23			
On Deck After Cast:	10:32						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	200	199.6052	19.60408	36.53311	3.45301
2	↓	↓	↓	↓	↓
3	180	182.1015	20.75538	36.55489	4.27340
4	↓	↓	↓	↓	↓
5	160	160.11630	22.28094	36.51871	5.84693
6	↓	↓	↓	↓	↓
7	140	140.1078	23.07782	36.48949	6.51180
8	↓	↓	↓	↓	↓
9	115	115.0210	23.31669	36.54014	6.52832
10	↓	↓	↓	↓	↓
11	100	100.3553	23.49467	36.54670	6.609122
12	↓	↓	↓	↓	↓
13	80	80.1074	23.66811	36.55416	6.72330
14	↓	↓	↓	↓	↓
15	65	65.1445	24.25388	36.56495	6.83600
16	↓	↓	↓	↓	↓
17	50	50.00065	24.76527	36.54380	6.70390
18	↓	↓	↓	↓	↓
19	35	35.0430	24.82860	36.53887	6.72269
20	↓	↓	↓	↓	↓
21	20	20.0310	26.05500	36.55152	6.64050
22	↓	↓	↓	↓	↓
23	5	5.0224	25.28297	36.57173	6.67281
24	↓	↓	↓	↓	↓

Cast Remarks:[illegible]

TSG Temperature:		
TSG Inlet Temperature:		
TSG Salinity:		
Any module errors during cast?*	Y / <u>(N)</u>	Did you draw a TSG salinity calibration sample? Y / <u>(N)</u>
Any sensor changes/problems?*	Y / <u>(N)</u>	TSG sample time (GMT): Sample bottle #:
Any hardware changes/problems?*	Y / <u>(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: 5 / 16 / 2017			Temp-0 SN: con				
CTD Section: Cycle 2					Temp-1 SN: file				
CTD Cast Number and File Name: NF1704-055					Cond-0 SN: report				
Operator: SH					Cond-1 SN: ...				
					Oxyg-0 SN: ...				
					Oxyg-1 SN: ...				
	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity		
On Deck Before Cast:	12:26								
Sea Surface (soak 1 minute):	12:30	25° 58.210'	89° 15.070'	3167.39	0.7752	23.10895	36.576		
End of Down-Cast:	12:40	25° 58.085'	89° 15.097'	3168.30	303.2535				
Surface after Up-Cast:	12:48	25° 58.010'	89° 15.167'	3169.83					
On Deck After Cast:	:								
Niskin Bottle Trips:									
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen	Cast Remarks:			
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:									
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		CTD Instrument Package:			Press-1 SN: see				
Cruise: NF-17-03/04		Date: 5/16/2017			Temp-0 SN: con				
CTD Section: GOM CTD Cast Number and File Name: NF1704-056.hex Operator: KS					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:		14:50				07916	36.37805		
Sea Surface (soak 1 minute):		17:25	25°58.294	89°17.135'	3162.3	37760	25.9708	36.5736	
End of Down-Cast:		17:33	25°58.205	89°17.258	3163.8				
Surface after Up-Cast:		17:52	25°58.007	89°17.494	3166.4				
On Deck After Cast:		17:54				33683	25.51063		
Niskin Bottle Trips:									
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen	Cast Remarks: Chl max: 126-135m NO PAR in -b Tricho collections			
1	50	50.2168	24.7821	36.54911	6.75482				
2	50	1	1	1	1				
3	35	35.943	24.88086	36.54524	6.78648				
4	35	35.171	1	1	1				
5	20	20.7704	25.28000	36.56891	6.60659				
6	20	1	1	1	1				
7	15	15.5635	25.34257	36.57078	6.68049				
8	15	1	1	1	1				
9	10	10.5216	25.38887	36.57196	6.69052				
10	10	1	1	1	1				
11	10	1	1	1	1				
12	10	1	1	1	1				
13	2	33055	25.48879	36.57365	6.61497				
14	2	1	1	1	1				
15	2	1	1	1	1				
16	2	1	1	1	1				
17									
18									
19									
20									
21									
22									
23									
24									
TSG Temperature: 25.510									
TSG Inlet Temperature: 25.603									
TSG Salinity: 36.580									
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:					

surface

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: 16 MAY 2017			Temp-0 SN: con				
					Temp-1 SN: file				
CTD Section: 60M					Cond-0 SN: report				
CTD Cast Number and File Name: NF1704-0576 hex					Cond-1 SN: ...				
Operator: Ema					Oxyg-0 SN: ...				
					Oxyg-1 SN: ...				
	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity		
On Deck Before Cast:	19:17	25°56.983	89°16.720	3174.80	0.7472	25.913	0.0265		
Sea Surface (soak 1 minute):	19:28	25°57.008	89°16.950	3172.20	3.3146	25.571	36.575		
End of Down-Cast:	19:37	25°56.956	89°17.036	3172.11					
Surface after Up-Cast:	19:47	25°56.904	89°17.140	3172.13					
On Deck After Cast:	19:45				3.6777	25.6045			
Niskin Bottle Trips:									
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen	Cast Remarks:			
1	15m	15.1838	25.35102	36.57148	6.67498				
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:									
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:			Press-1 SN: see								
Cruise: <i>NF-17-03/04</i>		Date: <i>16 May 2017</i>			Temp-0 SN: con								
CTD Section: <i>COM</i> CTD Cast Number and File Name: <i>NF1704 - 058.hux</i> Operator: <i>KF</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>21 :41</i>								<i>0.7373</i>		<i>29.685</i>			
Sea Surface (soak 1 minute): <i>21 :49</i>		<i>25°56.810</i>		<i>89°16.896</i>		<i>3175.69</i>		<i>3.1573</i>		<i>25.66490</i>		<i>36.5760</i>	
End of Down-Cast: <i>21 :58</i>		<i>25°56.760</i>		<i>89°16.936</i>		<i>3176.15</i>							
Surface after Up-Cast: <i>22 :07</i>		<i>25°56.702</i>		<i>89°17.012</i>		<i>3176.99</i>							
On Deck After Cast: <i>22 :09</i>								<i>1.2631</i>		<i>25.7324</i>			
Niskin Bottle Trips:													
Niskin Bottle		Target Pressure		Recorded Pressure		Primary Temperature		Primary Salinity		Primary Oxygen		Cast Remarks:	
1		<i>15m</i>		<i>14.1796</i>		<i>25.41643</i>		<i>36.57180</i>		<i>6.69993</i>			
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:													
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***

CTD Instrument Package:

Press-1 SN:	see
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Cruise: NF-17-03/04

Date: 5 / 16 / 2017

Temp-0 SN:	con
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Temp-1 SN:	file
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Cond-0 SN:	report
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Cond-1 SN:	11
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Qxyg-0 SN*	100
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Oxyg-0 SN:	...
Oxyg-1 SN:	...

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CTD Section:

CTD Cast Number and File Name: NF1704-059_hex

Operator: *TK*

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	23:48				0.7794	27.4275	
Sea Surface (soak 1 minute):	23:54	25° 56.344	89° 16.501	3192	3.358	25.6703	36.579
End of Down-Cast:	00:03	25° 56.252	89° 16.564	3185			
Surface after Up-Cast:	00:18	25° 56.64	89° 16.693	3184			
On Deck After Cast:	00:30						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	30	29.198	25.0130	36.3465	6.25032
2					
3					
4					
5					
6					
7					
8					
9	15	15.4436	25.4424	36.5719	6.6227
10					
11					
12					
13					
14					
15					
16					
17	Surf	3.540	25.625	36.57832	6.64398
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

TSG Temperature:

TSG Inlet Temperature:

TSG Salinity:

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

Any module errors during test:	Y 1(N)
Any sensor changes/problems?*	Y 1(N)

TSG sample time (GMT): Sample bottle #:

Any hardware changes/problems?*	Y / N
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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: 17 MAY 2017	Temp-0 SN: con
CTD Section: 60M -		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-060.hex		Cond-0 SN: report
Operator: EM		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	02:12			3181.29	0.853	23.960	0.0266
Sea Surface (soak 1 minute):	02:22	25°56.021	89°18.328	3181.44	3.2710	25.5208	36.5770
End of Down-Cast:	02:31	25°55.915	89°18.486	3183			
Surface after Up-Cast:	:						
On Deck After Cast:	:						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	15 m	14.0	25.504	36.575	6.643
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 126m ~

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		CTD Instrument Package:			Press-1 SN: see								
Cruise: NF-17-03/04		Date: 5 / 17 / 2017			Temp-0 SN: con								
					Temp-1 SN: file								
CTD Section: GOM - Cycle 2					Cond-0 SN: report								
CTD Cast Number and File Name: NF 1704 - 061.hex					Cond-1 SN: ...								
Operator: JH					Oxyg-0 SN: ...								
					Oxyg-1 SN: ...								
Time (GMT)		Latitude		Longitude		Bottom (m)		Pressure		Temperature		Salinity	
On Deck Before Cast: 04:29								0.6765		24.55349			
Sea Surface (soak 1 minute): 04:44		25°54.647'N		89°18.038'W		3193.60		4.0571		25.48929		36.57779	
End of Down-Cast: 04:53		25°54.559'		89°18.202'		3195.87		303.0251					
Surface after Up-Cast: 05:00		25°54.470'		89°18.311'		3195.12							
On Deck After Cast: :													
Niskin Bottle Trips:													
Niskin Bottle		Target Pressure		Recorded Pressure		Primary Temperature		Primary Salinity		Primary Oxygen		Cast Remarks:	
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:													
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		CTD Instrument Package:			Press-1 SN: see				
Cruise: NF-17-03/04		Date: 5 / 17 / 2017			Temp-0 SN: con				
					Temp-1 SN: file				
CTD Section: GOM-Cycle 2					Cond-0 SN: report				
CTD Cast Number and File Name: NF1704-062.hex					Cond-1 SN: ...				
Operator: KS					Oxy-0 SN: ...				
					Oxy-1 SN: ...				
	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity		
On Deck Before Cast:	05:30				0.7166	24.01461			
Sea Surface (soak 1 minute):	06:31	25° 55.079	89° 19.6881W	3188.09	3.8180	25.5748	36.5765		
End of Down-Cast:	06:40	25° 54.971	89° 19.848	3189.5					
Surface after Up-Cast:	06:58	25° 54.816	89° 20.155	3192.7					
On Deck After Cast:	07:00				3.6159	25.42099			
Niskin Bottle Trips:									
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen				
1	116	117.3172	23.42897	36.54637	6.60899				
2	↓								
3									
4	↓								
5	80	80.7506	23.72738	36.55475	6.84000				
6	↓								
7									
8	↓								
9	60	60.7555	24.51518	36.55239	6.80573				
10									
11	↓								
12	↓								
13	40	40.4700	24.88587	36.54316	6.77703				
14	↓								
15									
16	↓								
17	20	20.3510	25.13253	36.57169	6.64034				
18	↓								
19									
20	↓								
21	5	4.1179	25.46180	36.57735	6.63617				
22	↓								
23									
24	↓								
TSG Temperature: 25.453									
TSG Inlet Temperature: 25.549									
TSG Salinity: 36.580									
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: 05 / 17 / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-063.hpx		Cond-0 SN: report
Operator: RT		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	10 :10				0.8140	28.0585	
Sea Surface (soak 1 minute):	10 :25	25°55.066	89°19.848	387.94	3.0244	25.3528	36.5752
End of Down-Cast:	:						
Surface after Up-Cast:	13 :00	25°55.169	89°21.690	3202.5			
On Deck After Cast:	13 :02						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	2500	2499.99	4.3208	34.9742	6.65210
2	2000	1999.401	4.2878	34.9731	6.6334
3	1500	1500.78	4.3396	34.9677	6.4838
4	1000	1001.645	5.2657	34.9290	5.2718
5	800	800.6853	6.2721	34.90677	4.4752
6	600	597.257	8.34426	35.01695	3.61640
7	400	401.5265	11.02647	35.46511	3.56111
8	350	351.3954	13.26421	35.68002	3.63828
9	300	301.1129	14.92273	35.9377	3.75426
10	250	250.9912	16.96513	36.26120	4.19752
11	200	201.9857	19.65992	36.5679	4.04877
12	150	150.7450	22.75422	36.48697	6.20924
13	120	120.4095	23.4363	36.5480	6.6036
14	100	100.4535	23.5376	36.55449	6.66020
15	80	80.9061	23.63216	36.56721	6.8274
16	60	60.3154	24.26013	36.5430	6.83290
17	40	40.3090	24.83870	36.53431	6.71814
18	20	20.8807	25.26407	36.56108	6.67523
19	3	2.4862	25.39407	36.57567	6.6260
20					
21					
22					
23					
24					

Cast Remarks:

WINCH LEFT POWER
C 2500m

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	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 05/17/2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704 — 064.hex		Cond-0 SN: report
Operator: SH/KS		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	14:20				0.4111	25.86285	
Sea Surface (soak 1 minute):	15:06	25°54.524'	89°20.426'	3197.41	2.5125	25.48466	36.57828
End of Down-Cast:	15:14	25°54.538'	89°20.522'	3196.00			
Surface after Up-Cast:	15:35	25°54.584'	89°20.834'	3197.6			
On Deck After Cast:	15:36				28874	25.51045	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	50	50.1808	24.71665	36.54213	6.77258
2	50	1	1	1	1
3	35	35.4874	24.90071	36.53958	6.71447
4	35	1	1	1	1
5	20	20.6269	25.34600	36.58124	6.71259
6	20	1	1	1	1
7	15	15.2072	25.39838	36.57691	6.64029
8	15	1	1	1	1
9	10	10.3484	25.41006	36.57182	6.65134
10	10	1	1	1	1
11	10	1	1	1	1
12	10	1	1	1	1
13	2	2.4926	25.49205	36.57727	6.65105
14	2	1	1	1	1
15	2	1	1	1	1
16	2	1	1	1	1
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

Trkcho Cast.

Chl max:
115m

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:	

49

32

12

4

0

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 / 17 / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-065.hov		Cond-0 SN: report
Operator: KS		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	18:10				07879	28.1262	
Sea Surface (soak 1 minute):	18:18	25°54.593	89°19.906	3193.2	27259	25.6381	36.5828
End of Down-Cast:	18:28	25°54.592	89°19.976	3193.3			
Surface after Up-Cast:	18:38	25°54.598	89°20.035	3193.3			
On Deck After Cast:	18:40				3.0806	25.6740	

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	15	14.611	25.41717	36.57629	6.64004
2	15	1	1	1	1
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

Search: Test!

Drags at 20m

(just below mixed layer)

Chl max:

116-122m

TSG Temperature: 25.899

TSG Inlet Temperature: 25.962

TSG Salinity: 36.594

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: 17 / May / 2017			Temp-0 SN: con				
CTD Section: COM					Temp-1 SN: file				
					Cond-0 SN: report				
					Cond-1 SN: ...				
					Oxyg-0 SN: ...				
CTD Cast Number and File Name: NF1704 - 006.hex					Oxyg-1 SN: ...				
Operator: KF									
		Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity	
On Deck Before Cast:		21 : 23				0.7903	28.195		
Sea Surface (soak 1 minute):		21 : 37	25°54.860	89°19.447	3189.54	2.7157	26.096	36.589	
End of Down-Cast:		21 : 45	25°54.896	89°19.478	3189.99				
Surface after Up-Cast:		21 : 55	25°54.941	89°19.518	3188.76				
On Deck After Cast:		21 : 57				3.5214	26.11186		
Niskin Bottle Trips:									
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen	Cast Remarks:			
1	15m	14.8799	25.43683	5.566662	6.72671				
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:									
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:						

(blows Max: Got to 105+ below 0.12 between 120 and 150 meters

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 / 17 - 18 / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704_067.hex		Cond-0 SN: report
Operator: KS		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	23:53				0.7613	26.82404	
Sea Surface (soak 1 minute):	00:20	25°53.968	89°17.996'	3201.7	3.1648	26.80947	36.5723
End of Down-Cast:	00:29	25°53.881	89°18.057	3203.1			
Surface after Up-Cast:	:						
On Deck After Cast:	:						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	30	30.0413	24.97304	36.53783	6.77408
2	15	15.8501	25.43578	36.57451	6.63714
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22	✓				
23	15	✓	✓	X	✓
24	0	3.5077	25.9814	36.57976	6.64571

Cast Remarks:

Chl max:
120-130m

TSG Temperature: 26.047

TSG Inlet Temperature: 26.148

TSG Salinity: 36.583

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: 18 MAY 1 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-068.hex		Cond-0 SN: report
Operator: EM		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	02:14				0.8892	25.504	
Sea Surface (soak 1 minute):	02:29	25° 52.819	89° 17.573	3212.4	3.2404	25.938	36.579
End of Down-Cast:	02:37	25° 52.726	89° 17.669	3213.6			
Surface after Up-Cast:	02:46	25° 52.634	89° 17.783	3215.14			
On Deck After Cast:	:						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	15 m	15.5787	25.42663	36.57386	0.68697
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:

CHI max 130

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:	

Ship:	NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN:	see
Cruise:	NF-17-03/04	Date: 5 / 18 / 2017	Temp-0 SN:	con
			Temp-1 SN:	file
CTD Section: GOM Cycle 2			Cond-0 SN:	report
CTD Cast Number and File Name: NF1704-0109.hex			Cond-1 SN:	...
Operator: JM			Oxyg-0 SN:	...
			Oxyg-1 SN:	...

Niskin Bottle Trips:

Cast Remarks:

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: 5 / 18 / 2017

Temp-0 SN: con

Temp-1 SN: file

Cond-0 SN: report

Cond-1 SN: ...

Oxyg-0 SN: ...

Oxyg-1 SN: ...

CTD Cast Number and File Name: NF 1704-070 hex

Operator:

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	05:52				0.7327	25.3827	
Sea Surface (soak 1 minute):	06:01	25°51.518	89°19.256	3229.6	3.5517	25.8517	36.8806
End of Down-Cast:	06:10	25°51.312	89°19.366	3233			
Surface after Up-Cast:	:						
On Deck After Cast:	:						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	200	200.4811	19.17731	36.49872	3.83740
2	180	180.0868	21.25515	36.57890	4.61115
3	160	161.7021	22.21147	36.49903	5.8964
4	135	135.5086	23.32892	36.53627	6.61896
5	115	115.8295	23.52411	36.55278	6.67247
6	115				
7	115				
8	100	100.4749	23.61129	36.55400	6.70844
9	80	80.9322	23.92238	36.54433	6.80023
10	80				
11	80				
12	65	65.3032	24.47630	36.55581	6.87245
13	60	60.1773	24.60307	36.55581	6.80262
14	60				
15	50	50.1451	24.78712	36.54251	6.75181
16	40	40.2096	24.87155	36.54300	6.70330
17	40				
18	35	36.1785	24.91751	36.54296	6.73947
19	20	20.3750	25.35049	36.57194	6.62459
20	20				
21	20				
22	5	5.0334	25.87447	36.57942	6.66477
23	5				
24	5				

[illegible]
$$\text{Thorium} + \text{Zn} \rightarrow \text{Zn}^{2+} + \text{Th}^{4+}$$

Chl max = 135m

TSG Inlet Temperature: 25.967

TSG Salinity:	36.583
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Any module errors during cast?*	
---------------------------------	--

Y / N

Did you draw a TSG salinity calibration sample?

Y / N

Any sensor changes/problems?*

Y / 17

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: 05 / 18 / 2017

Temp-0 SN: con

Temp-1 SN: file

Cond-0 SN: report

Cond-1 SN: ...

Oxyq-0 SN: ...

Oxyg-1 SN: ..

[illegible]

CTD Section: GOM

CTD Cast Number and File Name: NF1704_071.hex

Operator: SH

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	08:37				0.7888	25.43526	
Sea Surface (soak 1 minute):	08:57	25° 50.053'	89° 19.741'	3246.69	4.2908	25.77732	36.58005
End of Down-Cast:	09:07	25° 49.987'	89° 19.879'	3247.95	302.4397		
Surface after Up-Cast:	09:15	25° 49.903'	89° 19.925'	3248.61			
On Deck After Cast:	09:16						

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:

Did you draw a TSG salinity calibration sample?

TSG sample time (GMT):

TSG salinity at sample time:

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: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 24 May 2017	Temp-0 SN: con
CTD Section: 60m		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-076_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:	15:34				0.7151	26.514	
Sea Surface (soak 1 minute):	15:40	25°32.430	93°33.008	3487	3.91	26.144	36.418
End of Down-Cast:	15:53	25°32.291	93°33.013	3488			
Surface after Up-Cast:	16:09	32.131	32.992	3492			
On Deck After Cast:	16:11						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	105	105.69	24.510	36.451	6.43
2	50	49.80	25.304	36.493	6.690
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Cast Remarks:

110m max chl

TSG Temperature: 26.169

TSG Inlet Temperature: 26.263

TSG Salinity: 36.427

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: 24 / MAY / 2017	Temp-0 SN: con
CTD Section: 01M 081. hex		Temp-1 SN: file
CTD Cast Number and File Name: NF1704-077. 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:	20 : 33				0.6867	26.381	
Sea Surface (soak 1 minute):	20 : 44	25° 40.746	93° 36.175	3373	3.77	26.340	36.499
End of Down-Cast:	20 : 56	25° 40.722	93° 37.165	3381			
Surface after Up-Cast:	21 : 18	25° 40.685	93° 37.165	3382			
On Deck After Cast:	21 : 21						

Niskin Bottle Trips:

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

Cast Remarks:

120m Max Chl
There was an
issue with the
wire-winch, so
the CTD went
to 500m again.

TSG Temperature: 26.345

TSG Inlet Temperature: 26.437

TSG Salinity: 36.505

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 Shp Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 25 / MAY / 2017	Temp-0 SN: con
CTD Section: GOM	083.hex	Temp-1 SN: file
CTD Cast Number and File Name: NF1704-078.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:	00:11				0.6558	24.684	
Sea Surface (soak 1 minute):	00:24	25°50.878	93°34.514	3271	3.54	26.406	36.501
End of Down-Cast:	00:37	25°50.761	93°34.291	3264			
Surface after Up-Cast:	00:49	25°50.651	93°34.108	3271			
On Deck After Cast:	00:53						

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:

110m Max Chl

TSG Temperature: 26.463

TSG Inlet Temperature: 26.546

TSG Salinity: 36.506

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			
Cruise: <i>NF-17-03/04</i>		Date: <i>5 / 25 / 2017</i>		Temp-0 SN: con			
				Temp-1 SN: file			
CTD Section: <i>GOM</i>				Cond-0 SN: report			
CTD Cast Number and File Name: <i>NF1704-085_hex</i>				Cond-1 SN: ...			
Operator: <i>JM</i>				Oxyg-0 SN: ...			
				Oxyg-1 SN: ...			
	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	<i>09:50</i>				<i>0.6711</i>	<i>23.67630</i>	
Sea Surface (soak 1 minute):	<i>10:06</i>	<i>26° 9.988' N</i>	<i>94° 29.936' W</i>	<i>2758.57</i>	<i>3.0107</i>	<i>26.57703</i>	<i>36.45477</i>
End of Down-Cast:	<i>10:15</i>	<i>26° 9.980' N</i>	<i>94° 29.826' W</i>	<i>2759.06</i>	<i>30.3739</i>		
Surface after Up-Cast:	<i>10:22</i>	<i>26° 9.970' N</i>	<i>94° 29.740' W</i>	<i>2756.05</i>			
On Deck After Cast:	<i>10:25</i>						
Niskin Bottle Trips:							
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen	Cast Remarks:	
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>26.550 °C</i>							
TSG Inlet Temperature: <i>26.643 °C</i>							
TSG Salinity: <i>36.463 PSU</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:				

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 / 25 / 2017			Temp-0 SN: con		
					Temp-1 SN: file		
CTD Section:					Cond-0 SN: report		
CTD Cast Number and File Name: NF17-087_hex					Cond-1 SN: ...		
Operator: TK/JM					Oxyg-0 SN: ...		
					Oxyg-1 SN: ...		
	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	14:23				0.8168	28.5414	
Sea Surface (soak 1 minute):	14:28	26°30.032	94°27.473	1883	3.5604	27.196	36.530
End of Down-Cast:	14:37	26°29.956'N	94°27.270'W	1892.26	299.9811		
Surface after Up-Cast:	14:46	26°29.890'N	94°27.061'W	1874.53			
On Deck After Cast:	:						
Niskin Bottle Trips:							
Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen	Cast Remarks:	
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: 27.193 °C							
TSG Inlet Temperature: 27.270 °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: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 25 / MAY / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF17-088.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:	18:14				17470	28.213	
Sea Surface (soak 1 minute):	18:23	26°10.562	94°14.947	2361	300	26.66	36.466
End of Down-Cast:	18:32	26°10.457	94°14.856	2360			
Surface after Up-Cast:	18:40	26°10.424	94°14.806	2357			
On Deck After Cast:	18:42						

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:

110m chl max

TSG Temperature: **26.690 °C**
TSG Inlet Temperature: **26.777 °C**
TSG Salinity: **36.469 (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: 26 / MAY / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: 690-hex NF17-0304-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:	17:15				0.8118	29.003	
Sea Surface (soak 1 minute):	17:25	26° 29.748	90° 20.135	2904	3.132	26.619	36.526
End of Down-Cast:	17:34	26° 29.803	90° 20.209	2904			
Surface after Up-Cast:	17:42	26° 29.840	90° 20.268	2902			
On Deck After Cast:	17:44						

Niskin Bottle Trips:

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

Cast Remarks:

123m chl max

TSG Temperature: **26.648**

TSG Inlet Temperature: **26.742**

TSG Salinity: **36.530**

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: NOAA Ship Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 26 / MAY / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF17-090.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:	20:51				0.7671	30.264	
Sea Surface (soak 1 minute):	20:57	26° 40.774	90° 1.600	2801	8.546	26.470	36.540
End of Down-Cast:	21:06	26° 40.706	90° 1.493	2784			
Surface after Up-Cast:	21:14	26° 40.691	90° 1.499	2796			
On Deck After Cast:	21:18						

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:

12m chl max

TSG Temperature: **26.648**

TSG Inlet Temperature: **26.740**

TSG Salinity: **36.537**

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: NOAA Shlp Nancy Foster	CTD Instrument Package:	Press-1 SN: see
Cruise: NF-17-03/04	Date: 1 / 29 / 2017	Temp-0 SN: con
CTD Section: GOM		Temp-1 SN: file
CTD Cast Number and File Name: NF17-02 093.hex		Cond-0 SN: report
Operator: TR		Cond-1 SN: ...
		Oxyg-0 SN: ...
		Oxyg-1 SN: ...

	Time (GMT)	Latitude	Longitude	Bottom (m)	Pressure	Temperature	Salinity
On Deck Before Cast:	00:16				0.8333	26.9675	
Sea Surface (soak 1 minute):	00:24	26° 38.316	90° 11.744	2791	3.300	26.7736	36.3585
End of Down-Cast:	00:36	26° 38.345	90° 11.785	2790			
Surface after Up-Cast:	01:14	26° 38.300	90° 11.946	2794			
On Deck After Cast:	01:15						

Niskin Bottle Trips:

Niskin Bottle	Target Pressure	Recorded Pressure	Primary Temperature	Primary Salinity	Primary Oxygen
1	200	200.07	19.0369	36.4929	3.9538
2	180	185.16	19.9310	36.5528	4.0663
3	160	165.12	21.1532	36.5921	4.6141
4	135	138.50	22.4013	36.4285	5.8717
5	120	124.828	22.953	36.4408	6.5903
6	100	103.64	23.4156	36.4939	6.7869
7	80	80.834	23.9433	36.4835	6.9063
8	60	61.106	24.6426	36.5281	6.9668
9	40	40.916	25.2548	36.4751	6.7999
10	30	30.810	26.2251	36.5372	6.6594
11	30	↓	↓	↓	↓
12	30	↓	↓	↓	↓
13	30	↓	↓	↓	↓
14	30	↓	↓	↓	↓
15	15	15.811	26.3690	36.5614	6.558
16	15	↓	↓	↓	↓
17	15	↓	↓	↓	↓
18	15	↓	↓	↓	↓
19	15	↓	↓	↓	↓
20	3	3.5192	26.7277	36.5576	6.5385
21	3	↓	↓	↓	↓
22	3	↓	↓	↓	↓
23	3	↓	↓	↓	↓
24	3	↓	↓	↓	↓

Cast Remarks:

130m
DCM

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:	