

6:50

VESSEL: NOAAS Surveyor		PROJECT & LEG: SU-95-03		INITIALS: <i>CS</i>		CHECKED BY:		PAGE 1 of								
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=233		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								
001542713	N	1650010	W	21	AUG	95	14	02	10.3	10.3	33	22	33	52	0	001
CTD		ATTACHMENTS:		FILENAME: CAST1.DAT *		* Casts are stored in C:\SUB95 and D:\DATA										
TYPE & SN		LIGHT METER (N)		PRESS. SN		FLUOROMETER (N)		OTHER:		REMARKS (include alternate station designation if applicable):						
39001		39443		845		693				Line XVI, Station 95						
COND. SN		OTHER:								North side of Unimado Pass box						

Position	#	Bot. #	Trip	Depth	Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position	
					TIME@	Press.	Temp.	Salinity	Cond.	Fluor.						ThermP
1			40302		41.150	8.172	31.516	3.3112			31.5731			/		1
2														/		2
3														/		3
4														/		4
5														/		5
6														/		6
7														/		7
8														/		8
9														/		9
10														/		10
11														/		11
12														/		12

VESSEL: NOAAS Surveyor		PROJECT & LEG: SU-95-03		INITIALS: CD		CHECKED BY:		PAGE 2 of							
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=233		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							
002	54	24.8	N	165	07.7	W	21	AUG	95	15	10	09	09	08	002
ATTACHMENTS: FILENAME: CASTA.DAT CTD TYPE & SN 93001 PRESS. SN 39443 TEMP. SN 845 COND. SN 693															

REMARKS (include alternate station designation if applicable):   Line XVI, Station 94   max depth 120 m the block of Unmanned Pass book																	
Position	#	Bot. #	T-track	Depth	TIME@	Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position	
Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.										
1	50	✓	151310	151825	52.240	7.393	32.000	3.2905		49.7	7.39	32.0456			/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12

VESSEL: NOAA Surveyor		PROJECT & LEG: SU-95-03		INITIALS: CD		CHECKED BY:		PAGE 3 of								
CONSECUTIVE	CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=233		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR							
003	5422.1	N	16.5	16.1	W	21	AUG	95	16	40	09	11	11	94	182	0013
CTD		ATTACHMENTS:		FILENAME: CAST3.DAT		REMARKS (include alternate station designation if applicable): max STD depth: 165m south side of Vinland Pass box										
TYPE & SN		LIGHT METER (N)		FLUOROMETER (N)		Line XVI Station 93										
PRESS. SN		39443		OTHER:		stopped @ 50m to take out water there was no proper trace;										
TEMP. SN		845		OTHER:		pinger went down on; read CTD for depth;										
COND. SN		693		OTHER:		FOO now showing 162m integrated cont										
Position	#	Tip	Depth	TIME@	Monitor Values				Sample Bottle Data		Sal. Bot. #	Chlor/ MZ	Other	Position		
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP					Avg. Tw	Sal.
1			16403	162.574	5.412	32.679	3.1870				32.71163		/		1	
2													/		2	
3													/		3	
4													/		4	
5													/		5	
6													/		6	
7													/		7	
8													/		8	
9													/		9	
10													/		10	
11													/		11	
12													/		12	

VESSEL: NOAAS Surveyor				PROJECT & LEG: SU-95-03				INITIALS: CD				CHECKED BY:				PAGE 4 of 4				
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=233		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	SEA STATE (mb, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
004	54	19.9	N	165	25.4	W	21	AUG	95	17	48	09	50	91	50	91	50	91	50	91
ATTACHMENTS: <u>50</u> FILENAME: <u>CASH.DAT</u> REMARKS (include alternate station designation if applicable): <u>126</u> <u>Line XVI, Station 92</u> <u>max CTD depth 148m</u> <u>south side of Unimak Pass box</u> <u>along Privateer, proceeded to Dutch Harbor</u>																				
CTD				LIGHT METER (V)				FLUOROMETER (V)				OTHER:				OTHER:				
TYPE & SN				93001																
PRESS. SN				39443																
TEMP. SN				845																
COND. SN				693																
Position	#	Bot. #	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal.	Nutrient Bottle #	Chlor/ MZ	Other	Position			
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.						Bot. #		
1			148	175029	147.728	5.804	32.639	32.2164					32.6780			/		1		
2																/		2		
3																/		3		
4																/		4		
5																/		5		
6																/		6		
7																/		7		
8																/		8		
9																/		9		
10																/		10		
11																/		11		
12																/		12		

VESSEL: NOAAS Surveyor
PROJECT & LEG: SU-95-03
INITIALS: CD
CHECKED BY:
PAGE 5 of

CONSECUTIVE	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO													
005	54	14.9	165	50.3	20	04	12	12.0	11.2	34	2	4	2	4	20	19	4	88	005

CTD
TYPE & SN 93001
PRESS. SN 39443
TEMP. SN 845
COND. SN 693

ATTACHMENTS:
LIGHT METER (N)
FLUOROMETER (N)
OTHER:
OTHER:

FILENAME: CAST5.DAT
REMARKS (include alternate station designation if applicable):
Line XV, Station 91 (not CTD bottom)
(west side of Vinland)
(continued on Deck Handover)

Position	#	Bot. #	Depth	TIME@	Monitor Values				Sample Bottle Data				Sal. Bot. #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.					
1				0125H	62.063	6.831	32.340	3.2740					32.3614		/		1
2														/			2
3														/			3
4														/			4
5														/			5
6														/			6
7														/			7
8														/			8
9														/			9
10														/			10
11														/			11
12														/			12

VESSEL: NOAAS Surveyor				PROJECT & LEG: SU-96-03				INITIALS: CD				CHECKED BY:				PAGE 6 of				
CONSECUTIVE	CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=234		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR											
006	5421.6	N	16555.8	W	22	AUG	95	03	01	10.5	10.5	33.3	3	3	126	159	4	489	006	
FILENAME: CAST6.DAT REMARKS (include alternate station designation if applicable): Line XVI, Station 90 west side of Unimak box																				
ATTACHMENTS: LIGHT METER (✓) FLUOROMETER (✓) OTHER: OTHER:																				
CTD TYPE & SN 93001 PRESS. SN 39443 TEMP. SN 845 COND. SN 693																				

  

Position	Bot. #	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP						Avg. Tw
1				030100	461.101	3.613	33.864	3.1467				33.8802		/		1
2													/		2	
3													/		3	
4													/		4	
5													/		5	
6													/		6	
7													/		7	
8													/		8	
9													/		9	
10													/		10	
11													/		11	
12													/		12	

VESSEL: NOAA Surveyor				PROJECT & LEG: SU-95-03				INITIALS: SD				CHECKED BY:				PAGE 3 of			
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CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=234		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO													
0107	54	28.4	N	166	02	08	W	22	AUG	95	04	32	11	00	10	07	4	453	007

  

CTD

TYPE & SN 93001

PRESS. SN 39443

TEMP. SN 845

COND. SN 693

ATTACHMENTS:

LIGHT METER (V) \_\_\_\_\_

FLUOROMETER (V) \_\_\_\_\_

OTHER: \_\_\_\_\_

OTHER: \_\_\_\_\_

FILENAME: CAST 7.2.DAT

REMARKS (include alternate station designation if applicable):

Line XV, Station 89 max CTD depth: 528 m

west side of Urinoko Is.

  

Position	#	Bot. #	Trip	Depth	TIME@	Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position	
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.						
1	425	✓	043516	043539	426.836	3.627	33.838	3.1443					423.1	3.62	33.8593		/		1
2																/		2	
3																/		3	
4																/		4	
5																/		5	
6																/		6	
7																/		7	
8																/		8	
9																/		9	
10																/		10	
11																/		11	
12																/		12	

VESSEL: NOAA Surveyor				PROJECT & LEG: SL-95-03				INITIALS: NM				CHECKED BY:				PAGE 8 of				
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=234		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
008	5	43.4	N	166	09.0	W	2	AUG	95	05	54	12.0	10.1	10.0	32	5	265	12	421	008
CTD				ATTACHMENTS:				FILENAME: CAST8.DAT				REMARKS (include alternate station designation if applicable): Line XV, Station 88 west side of Vinland Is.								
TYPE & SN				LIGHT METER (V)																
PRESS. SN				FLUOROMETER (V)																
TEMP. SN				OTHER:																
COND. SN				OTHER:																

  

Position	#	Bot. #	T-rack	Depth	TIME@	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient	Chlor/	Other	Position
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw					
1				055833	217.577	3.619	33.287	3.0881					33.3052		/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12



VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: NM				CHECKED BY:				PAGE 9 of				
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO													YR	HR
009	5	44	N	166	14	9	W	22	09	50	7	0	9	12	0	1	1	2	0	9
<div> <div> <b>CID</b>            TYPE &amp; SN 93001            PRESS. SN 39443            TEMP. SN 845            COND. SN 693         </div> <div> <b>ATTACHMENTS:</b>            LIGHT METER (✓)            FLUOROMETER (✓)            OTHER:            OTHER:         </div> </div>																				
<div> <b>FILENAME:</b> CAST9.DAT  <b>REMARKS</b> (include alternate station designation if applicable):            Line XV, Station 87 Max CTD depth: 279            west side of Windward Loop         </div>																				
Position	#	Bot. Trip	Depth	TIME@	Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position			
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.								
1			071055	259.105	3.664	33.536	3.1147						33.5549			/		1		
2																/		2		
3																/		3		
4																/		4		
5																/		5		
6																/		6		
7																/		7		
8																/		8		
9																/		9		
10																/		10		
11																/		11		
12																/		12		

[illegible]

VESSEL: <u>NOAAS Surveyor</u>				PROJECT & LEG: <u>54-96-03</u>				INITIALS: <u>NM</u> CHECKED BY: _____				PAGE <u>11</u> of <u>  </u>			
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CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 234			TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN												
0115448.4	N	16.551.3	W	22.009.5	09	27	10	10	3	10.0	32.3	5	250	10							

  

CTD				FILENAME: <u>CAST11.3AT</u>			
TYPE & SN	<u>93001</u>	LIGHT METER (V)	_____	REMARKS (include alternate station designation if applicable): <u>Line XIV, Station 85</u> <u>north side of Vindex box</u> <u>max CTD depth 159 m</u>			
PRESS. SN	<u>39443</u>	FLUOROMETER (V)	_____				
TEMP. SN	<u>845</u>	OTHER:	_____				
COND. SN	<u>693</u>	OTHER:	_____				

  

Position	#	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient	Bottle #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw							Sal.
1				092816	138.776	4.152	33.026	3.1081				33.0452				/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12

[illegible]

VESSEL: NOAA Surveyor						PROJECT & LEG: SK-95-03							INITIALS: CD CHECKED BY:								PAGE 13 of														
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE				DATE JD=234				TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		BAR (mb, integer)		SEA STATE (mb, integer)		VISIBILITY		WIND DIRECTION		WIND SPEED (kts)		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
01354	55.7	N	165	28.2	W	22	AUG	95	11	34	10.5	10.0	32.3	6	2	40	15	9	4	133	013														
ATTACHMENTS:												FILENAME: CAST13.DAT																							
CTD												REMARKS (include alternate station designation if applicable): Line XIV Station 83 north side of channel loop longer hung on broken bottle; no water sample.																							
TYPE & SN 93001																																			
PRESS. SN 39443																																			
TEMP. SN 845																																			
COND. SN 693																																			
LIGHT METER (V)																																			
FLUOROMETER (V)																																			
OTHER:																																			
OTHER:																																			
TIME@		Depth		Trip		Press.		Temp.		Salinity		Cond.		Fluor.		ThermP		Avg. Tw		Sal.		Nutrient Bottle #		Chlor/ MZ		Other		Position							
1	112			113450	115.223	4.487	32.921	3.1268																/			1								
2																								/			2								
3																								/			3								
4																								/			4								
5																								/			5								
6																								/			6								
7																								/			7								
8																								/			8								
9																								/			9								
10																								/			10								
11																								/			11								
12																								/			12								

VESSEL: NOAAS Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CD				CHECKED BY:				PAGE 14 of																																							
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=234				TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		BAR (mb, integer)		SEA STATE (mb, integer)		VISIBILITY		WIND DIRECTION		WIND SPEED (kts)		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID																					
0145459.2	N	165	17.2	W	12	AUG	95	1235	10.3	10.0	31	352	57	159	75	1113	1014																																						
CTD		ATTACHMENTS:		FILENAME: CAST14.DAT				2-3 1-2																																															
TYPE & SN		93001		LIGHT METER (V)																																																			
PRESS. SN		39443		FLUOROMETER (V)																																																			
TEMP. SN		845		OTHER:																																																			
COND. SN		693		OTHER:																																																			
REMARKS (include alternate station designation if applicable):																																																							
Line XIV, Station 82																																																							
north side of Vindicator Pass box																																																							
Moody CTD depth: 107 m																																																							

TIME @		Monitor Values				Sample Bottle Data				Sal.		Nutrient		Chlor/		Other		Position	
Bot. #	Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	Bot. #	Nutrient	Sal.	Bot. #	MZ				
1	10	12340	12.713	8.497	32.374	3.4194				32.3876					/				1
2															/				2
3															/				3
4															/				4
5															/				5
6															/				6
7															/				7
8															/				8
9															/				9
10															/				10
11															/				11
12															/				12



VESSEL: NOAA Surveyor		PROJECT & LEG: SU-95-03		INITIALS: CD		CHECKED BY:		PAGE 16 of																
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=234		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR													MIN			
016	54	56.3	N	164	59.4	W	22	AUG	9	5	14	4	3	5	2	6	5	1	8	9	4	8	8	0116
CTD		ATTACHMENTS:		FILENAME: CAST016.DAT		23-1-2		88																
TYPE & SN	93001		LIGHT METER (N)						REMARKS (include alternate station designation if applicable):															
PRESS. SN	39443		FLUOROMETER (N)						line XIII, Station 80															
TEMP. SN	845		OTHER:						east side of Vinson's loop															
COND. SN	693		OTHER:						sampled caught 27 no salinity sample															
#	Boat	Trip	Depth	TIME@	Monitor Values					Sample Bottle Data			Sal.	Bot. #	Nutrient	Bottle #	Chlor/	Other	Position					
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.												
1		35	14452	14452	37.780	7.188	32.348	3.3044												1				
2																				2				
3																				3				
4																				4				
5																				5				
6																				6				
7																				7				
8																				8				
9																				9				
10																				10				
11																				11				
12																				12				

after this station, headed back to Ketchikan



VESSEL: NOAAS Surveyor				PROJECT & LEG: 54-95-03				INITIALS: <u>DD</u>				CHECKED BY: _____				PAGE 13 of 13																																																																																																																																																																																																																																							
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 236		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																																																																																																																																																																																																																																								
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN																																																																																																																																																																																																																																							
01750	42.6	N	173	29.6	W	24	AUG	19	51	2.5	18	52	09	47	191	017																																																																																																																																																																																																																																							
<p>CTD</p> <p>FILENAME: <u>CAS117.DAT</u></p> <p>REMARKS (include alternate station designation if applicable):  <u>Line I, Station 1</u>  <u>data for water samples on VP17.DAT</u>  <u>* only water for 23 min for the run</u> </p>																																																																																																																																																																																																																																																							
TYPE & SN		LIGHT METER (V)		FLUOROMETER (V)		OTHER:		OTHER:																																																																																																																																																																																																																																															
PRESS. SN		39443																																																																																																																																																																																																																																																					
TEMP. SN		845																																																																																																																																																																																																																																																					
COND. SN		693																																																																																																																																																																																																																																																					
<table border="1"> <thead> <tr> <th rowspan="2">Position</th> <th rowspan="2">#</th> <th rowspan="2">Bot. #</th> <th rowspan="2">Depth</th> <th rowspan="2">T-ack</th> <th colspan="2">TIME @</th> <th colspan="4">Monitor Values</th> <th colspan="2">Sample Bottle Data</th> <th rowspan="2">Sal. Bot. #</th> <th rowspan="2">Nutrient #</th> <th rowspan="2">Chlor/ MZ</th> <th rowspan="2">Other</th> <th rowspan="2">Position</th> </tr> <tr> <th>Depth</th> <th>Trip</th> <th>Press.</th> <th>Temp.</th> <th>Salinity</th> <th>Cond.</th> <th>Fluor.</th> <th>ThermP</th> <th>Avg. Tw</th> <th>Sal.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>3000</td> <td>✓</td> <td></td> <td></td> <td></td> <td>3002.453</td> <td>1.5124</td> <td>34.6465</td> <td>3.1324</td> <td></td> <td></td> <td>* 2956.3</td> <td>1.52</td> <td>32.3596</td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td></td> <td>2500</td> <td></td> <td></td> <td></td> <td></td> <td>2493.399</td> <td>1.6198</td> <td>34.6249</td> <td>3.1206</td> <td></td> <td></td> <td></td> <td></td> <td>34.3192</td> <td></td> <td>2</td> </tr> <tr> <td>3</td> <td></td> <td>2000</td> <td></td> <td></td> <td></td> <td></td> <td>2007.019</td> <td>1.7778</td> <td>34.5934</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>34.5496</td> <td></td> <td>3</td> </tr> <tr> <td>4</td> <td></td> <td>1500</td> <td>✓</td> <td></td> <td></td> <td></td> <td>1479.484</td> <td>2.0824</td> <td>34.5302</td> <td></td> <td></td> <td></td> <td>1463.0</td> <td>2.07</td> <td>34.6171</td> <td></td> <td>4</td> </tr> <tr> <td>5</td> <td></td> <td>700</td> <td></td> <td></td> <td></td> <td></td> <td>700.702</td> <td>3.0729</td> <td>34.3012</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>34.6373</td> <td></td> <td>5</td> </tr> <tr> <td>6</td> <td></td> <td>0</td> <td>✓</td> <td></td> <td></td> <td></td> <td>2.966</td> <td>11.3495</td> <td>32.3405</td> <td></td> <td></td> <td></td> <td>6.4</td> <td>11.31</td> <td>34.6443</td> <td></td> <td>6</td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8</td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9</td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> </tr> </tbody> </table>				Position	#	Bot. #	Depth	T-ack	TIME @		Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient #	Chlor/ MZ	Other	Position	Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	1		3000	✓				3002.453	1.5124	34.6465	3.1324			* 2956.3	1.52	32.3596		1	2		2500					2493.399	1.6198	34.6249	3.1206					34.3192		2	3		2000					2007.019	1.7778	34.5934						34.5496		3	4		1500	✓				1479.484	2.0824	34.5302				1463.0	2.07	34.6171		4	5		700					700.702	3.0729	34.3012						34.6373		5	6		0	✓				2.966	11.3495	32.3405				6.4	11.31	34.6443		6	7																	7	8																	8	9																	9	10																	10	11																	11	12																	12
Position	#	Bot. #	Depth						T-ack	TIME @		Monitor Values				Sample Bottle Data						Sal. Bot. #	Nutrient #	Chlor/ MZ	Other	Position																																																																																																																																																																																																																													
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1		3000	✓				3002.453	1.5124	34.6465	3.1324			* 2956.3	1.52	32.3596		1																																																																																																																																																																																																																																						
2		2500					2493.399	1.6198	34.6249	3.1206					34.3192		2																																																																																																																																																																																																																																						
3		2000					2007.019	1.7778	34.5934						34.5496		3																																																																																																																																																																																																																																						
4		1500	✓				1479.484	2.0824	34.5302				1463.0	2.07	34.6171		4																																																																																																																																																																																																																																						
5		700					700.702	3.0729	34.3012						34.6373		5																																																																																																																																																																																																																																						
6		0	✓				2.966	11.3495	32.3405				6.4	11.31	34.6443		6																																																																																																																																																																																																																																						
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VESSEL: NOAA Surveyor		PROJECT & LEG: SU-95-03		INITIALS: CH		CHECKED BY:		PAGE 20 of																
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 236		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	SEA STATE (mb, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR											MIN					
0205	128.0	N	173	32.2	W	24	A	6	9	5	1	5	4	3	1	2	8	6	4	4	7	4	3	020
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):																		
TYPE & SN		LIGHT METER (N)		FLUOROMETER (N)		Line I, Station 4																		
PRESS. SN		39443		OTHER:		Computer froze, rebooted. Second file named CAST20-2																		
TEMP. SN		845		OTHER:		third file named CAST20-3																		
COND. SN		693		OTHER:																				
Position	#	Bot. Depth	Track	TIME @		Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position								
				Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP						Avg. Tw	Sal.						
1	3000	✓	15	1547	2999.924	1.5360	34.6512				2949.7	1.54	319823		/		1							
2	2500		1556	2499.907	1.6640	34.626							34.2834		/		2							
3	2000		1606	2000.015	1.8532	34.5887							34.5319		/		3							
4	1500	✓	1620	1499.253	2.1642	34.5223					1483.6	2.16	34.5974		/		4							
5	700			700.480	3.2524	34.2745							34.6318		/		5							
6	0	✓		5.083	11.0695	34.9724					3.1	11.06	34.6545		/		6							
7															/		7							
8															/		8							
9															/		9							
10															/		10							
11															/		11							
12															/		12							

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VESSEL: NOAAS Surveyor				PROJECT & LEG: 54-96-03				INITIALS: <u>SD</u>				CHECKED BY: _____				PAGE <u>29</u> of _____				
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>238</u>		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
02952	17	0	N	171	07	14	W	26	AUG	95	00	05	12	5	12	0	12	22	14	0299
CTD				ATTACHMENTS:				FILENAME: <u>18</u>				SC								
TYPE & SN <u>93001</u>				LIGHT METER (V) _____				REMARKS (include alternate station designation if applicable):  <u>Line II, Station 12</u>												
PRESS. SN <u>39443</u>				FLUOROMETER (V) _____																
TEMP. SN <u>845</u>				OTHER: _____																
COND. SN <u>693</u>				OTHER: _____																

  

Position	Bot. #	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.						
1					2.734	10.954	28.88	13.6870					32.8861			/		1
2															/		2	
3															/		3	
4															/		4	
5															/		5	
6															/		6	
7															/		7	
8															/		8	
9															/		9	
10															/		10	
11															/		11	
12															/		12	

VESSEL: NOAAS Surveyor				PROJECT & LEG: 54-95-03				INITIALS: <u>CD</u> CHECKED BY: _____				PAGE 30 of _____						
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO												
030	52	32.4	N	176	03.15	W	26	Aug	9	5	0300	12.4	11.9	1140	108	712	3569	030
<div> <div>CTD</div> <div> <div>TYPE &amp; SN</div> <div>93001</div> </div> <div> <div>PRESS. SN</div> <div>39443</div> </div> <div> <div>TEMP. SN</div> <div>845</div> </div> <div> <div>COND. SN</div> <div>693</div> </div> </div> <div> <div>ATTACHMENTS:</div> <div> <div>LIGHT METER (✓)</div> <div>FLUOROMETER (✓)</div> <div>OTHER:</div> <div>OTHER:</div> </div> </div> <div> <div>FILENAME:</div> <div>1-2-7</div> </div>																		
<div> <div>REMARKS (include alternate station designation if applicable):</div> <div> <div>Line II, Station 13</div> <div>30 min all the way down</div> <div>there were some lg salinity spikes at the surface, so I</div> <div>so started the cast =&gt; didn't restart the tape</div> </div> </div>																		
Position	#	Bot. #	Track	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal. Bot. #	Chlor/ MZ	Other	Position	
						Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP					Avg. Tw
1						858.654	3.2106	34.2343	3.1599						34.2408	/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12







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VESSEL: NOAA Surveyor						PROJECT & LEG: SL-95-03							INITIALS: CH CHECKED BY:								PAGE 34 of														
CONSECUTIVE CAST NUMBER		LATITUDE			LONGITUDE			DATE JD= 238			TIME (GMT)			DRY BULB (°C)		WET BULB (°C)		BAR (mb, integer)		SEA STATE (m, integer)		VISIBILITY		WIND DIRECTION		WIND SPEED (kts)		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN																							
34	53	28	3	N	17	52	9	7	W	26	A	0	9	5	11	0	11	0	0	5	3	S	1	6	5	1	0	0	6	6	3	8	0	6	34
CTD		ATTACHMENTS:			FILENAME:			REMARKS (include alternate station designation if applicable): Line III, Station 17																											
TYPE & SN		LIGHT METER (V)																																	
PRESS. SN		FLUOROMETER (V)																																	
TEMP. SN		OTHER:																																	
COND. SN		OTHER:																																	

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VESSEL: NOAAS Surveyor		PROJECT & LEG: SU-95-03		INITIALS: CD		CHECKED BY:		PAGE 36 of																
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 238		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN				
26	53	29	2	N	174	07	5	W	26	09	5	22	01	13	7	25	0	30	8	7	2	36	54	36
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):																		
TYPE & SN		93001		LIGHT METER (V)																				
PRESS. SN		39443		FLUOROMETER (V)																				
TEMP. SN		845		OTHER:																				
COND. SN		693		OTHER:																				
TIME @		Monitor Values		Sample Bottle Data		Sal.		Chlor/		Other		Position												
Bot. #	Trip	Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	Bot. #	Chlor/	Other	Position									
1	800			779.309	3.1756	34.2409					34.2481		/		1									
2													/		2									
3													/		3									
4													/		4									
5													/		5									
6													/		6									
7													/		7									
8													/		8									
9													/		9									
10													/		10									
11													/		11									
12													/		12									





VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CD				CHECKED BY:				PAGE 39 of																																			
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB (°C)		WET BULB (°C)		BAR. (mb, integer)		SEA STATE (mb, integer)		VISIBILITY		WIND DIRECTION		WIND SPEED (kts)		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID																			
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR																									MIN																	
039	52	52	11	N	174	07	10	W	26	08	22	10	09	10	03	08	37	2	6	5	30	3	2	9	6	039	52	11	N	174	07	10	W	26	08	22	10	09	10	03	08	37	2	6	5	30	3	2	9	6	039
CTD				ATTACHMENTS: 27				FILENAME: 346-8				REMARKS (include alternate station designation if applicable): Line IV, station 21																																							
TYPE & SN				93001				LIGHT METER (V)																																											
PRESS. SN				39443				FLUOROMETER (V)																																											
TEMP. SN				845				OTHER:																																											
COND. SN				693				OTHER:																																											





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VESSEL: NOAAS Surveyor		PROJECT & LEG: SL-95-03		INITIALS: CH		CHECKED BY:		PAGE 42 of										
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 239		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN		
4252	27.5	N	174	06.6	W	27	A	6	9	5	14	28	12.0	11.0	11.0	1203	42	
<div> <div>CTD</div> <div> <div>TYPE &amp; SN</div> <div>93001</div> </div> <div> <div>PRESS. SN</div> <div>39443</div> </div> <div> <div>TEMP. SN</div> <div>845</div> </div> <div> <div>COND. SN</div> <div>693</div> </div> </div>																		
<div> <div>ATTACHMENTS:</div> <div> <div>LIGHT METER (V)</div> <div>FLUOROMETER (V)</div> <div>OTHER:</div> <div>OTHER:</div> </div> </div>																		
<div> <div>FILENAME:</div> <div>Line IV, Station 23</div> </div>																		
REMARKS (include alternate station designation if applicable):																		
<div> <div>Monitor Values</div> <div> <div>TIME @</div> <div>Depth</div> <div>Trip</div> <div>Press.</div> <div>Temp.</div> <div>Salinity</div> <div>Cond.</div> <div>Fluor.</div> <div>ThermP</div> <div>Avg. Tw</div> <div>Sal.</div> </div> </div>																		
Position	#	Trip	Depth	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	Sal.	Bot. #	Nutrient	Bottle #	Chlor/	Other	Position
1	600		590.004	3.4764	34.0577						34.0777					/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12

VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CH		CHECKED BY:		PAGE 43 of										
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=239		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO												
43	52	25.5	N	174	06.7	W27	7A	06	95	15	42	91.8	123	726	230	761	724	43
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):												
TYPE & SN		93001		LIGHT METER (✓)		Line IV, Station 24												
PRESS. SN		39443		FLUOROMETER (✓)														
TEMP. SN		845		OTHER:														
COND. SN		693		OTHER:														
Position	#	Bot. #	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position	
					T-rack	Depth	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP						Avg. Tw
1					1.402	7.2921	32.9224					3.3	7.37	33.1464		/		1
2															/			2
3															/			3
4															/			4
5															/			5
6															/			6
7															/			7
8															/			8
9															/			9
10															/			10
11															/			11
12															/			12





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VESSEL: NOAAS Surveyor				PROJECT & LEG: SU-95-03				INITIALS: CH				CHECKED BY:				PAGE 50 of					
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 240				TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE (mb, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN												
50	52	48.0	N	172	11.6	W	28	Aug	95	16	04	9.9	9.9	06	53	14	03	08	SS	1164	50
ATTACHMENTS:										FILENAME:											
CTD										REMARKS (include alternate station designation if applicable):											
TYPE & SN 93001										Line VI, Station 31											
PRESS. SN 39443																					
TEMP. SN 845																					
COND. SN 693																					
Position	#	Bot. #	Depth	T-track	TIME @		Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position		
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.							
1			600			599.023	3.4587	34.0940									/		1		
2																	/		2		
3																	/		3		
4																	/		4		
5																	/		5		
6																	/		6		
7																	/		7		
8																	/		8		
9																	/		9		
10																	/		10		
11																	/		11		
12																	/		12		

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VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CH				CHECKED BY:				PAGE 8 of 8					
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=241		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN	
58	53	48.3	N	170	31.5	W	29	AUG	95	12	39	10	2	9	2	06	57	22	19	54	58
CTD				ATTACHMENTS:				FILENAME:													
TYPE & SN 93001				LIGHT METER (✓)				REMARKS (include alternate station designation if applicable):													
PRESS. SN 39443				FLUOROMETER (✓)				LINE X, Station 53													
TEMP. SN 845				OTHER:																	
COND. SN 693				OTHER:																	

  

Position	#	Depth	T-track	TIME @				Monitor Values				Sample Bottle Data			Sal.	Nutrient Bottle #	Chlor/ MZ	Other	Position
				Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	Bot. #					
1						2.025	9.7703	32.7092					76.9	10.23	32.7276		/		1
2																	/		2
3																	/		3
4																	/		4
5																	/		5
6																	/		6
7																	/		7
8																	/		8
9																	/		9
10																	/		10
11																	/		11
12																	/		12



VESSEL: NOAAS Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CH				CHECKED BY:				PAGE 60 of 60								
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 241		TIME (GMT)		DRY BULB (° C)	WET BULB (° C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN				
6053	19.5	N	170	24.3	W	79	8	5	9	5	8	6	10	4	7	2	10	27	4	6	1	18	12	60
CTD				ATTACHMENTS:				FILENAME:				REMARKS (include alternate station designation if applicable):												
TYPE & SN 93001				LIGHT METER (N)								LINE X, station 55												
PRESS. SN 39443				FLUOROMETER (N)																				
TEMP. SN 845				OTHER:																				
COND. SN 693				OTHER:																				

  

Position	#	Bot. #	Trip	Depth	TIME@	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position	
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw						Sal.
1						156.60	22.169	24.5018					34.5117			/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12

VESSEL: NOAA Surveyor		PROJECT & LEG: SU-95-03		INITIALS: CH		CHECKED BY:		PAGE 61 of											
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 241		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN			
61	53	10.0	N	170	23.1	W	29	A	06	09	52	00	05	9.5	8.8	114	822027	1420	61
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):													
TYPE & SN		LIGHT METER (N)		FLUOROMETER (N)		LINE X, Station 56													
PRESS. SN		OTHER:		OTHER:															
TEMP. SN		OTHER:		OTHER:															
COND. SN		OTHER:		OTHER:															
TIME@		Monitor Values		Sample Bottle Data		Sal.		Nutrient		Chlor/		Other		Position					
Bot. #	Trip	Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	Bot. #	Nutrient	Chlor/	Other	Position			
1	501			2.646	6.416	33.09					33.0470			/		1			
2														/		2			
3														/		3			
4														/		4			
5														/		5			
6														/		6			
7														/		7			
8														/		8			
9														/		9			
10														/		10			
11														/		11			
12														/		12			



VESSEL: NOAA Surveyor				PROJECT & LEG: SU-96-03				INITIALS: CD				CHECKED BY:				PAGE 63 of			
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=241		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE (0-4)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR											
063	53	04.9	N	170	15.6	W	29	AUG	95	22	52	9.1	8.3	123	820	516		540	63
CTD				ATTACHMENTS:				FILENAME:				2-3 12							
TYPE & SN 93001				LIGHT METER (V)				REMARKS (include alternate station designation if applicable):				LWEX, station 58							
PRESS. SN 39443				FLUOROMETER (V)															
TEMP. SN 845				OTHER:															
COND. SN 693				OTHER:															

  

Position	Bot. #	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
				Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.					
1		105250		400.353	3.505	33.951		478.1	3.49	33.9570			/		1
2													/		2
3													/		3
4													/		4
5													/		5
6													/		6
7													/		7
8													/		8
9													/		9
10													/		10
11													/		11
12													/		12

VESSEL: NOAA Surveyor				PROJECT & LEG: SL-95-03				INITIALS: DD				CHECKED BY:				PAGE 64 of								
CONSECUTIVE CAST NUMBER		LATITUDE			LONGITUDE			DATE			TIME (GMT)		DRY BULB (° C)	WET BULB (° C)	BAR (mb, integer)	SEA STATE (m, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN												
0164	523	7.0	N	170	56.8	W	30	AUG	95	06	56	8.1	8.5	12	13	8	220	22	1	410	DL64			
CTD		ATTACHMENTS:			FILENAME:			2-3 10-11 423																
TYPE & SN		LIGHT METER (N)			PRESS. SN			REMARKS (include alternate station designation if applicable):																
PRESS. SN		FLUOROMETER (N)			TEMP. SN			Line VII station 38																
COND. SN		OTHER:			OTHER:			temp not started till 120m																
93001		693			845																			
39443																								

FILENAME:	REMARKS (include alternate station designation if applicable):
	2-3 10-11

line VII - Station 38  
tape not started yet 120m

Position	Bot. #	Trip	Depth	TIME @		Monitor Values						Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
				Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.							
1		0				1.846	5.770	33.006									/		1	
2																	/		2	
3																	/		3	
4																	/		4	
5																	/		5	
6																	/		6	
7																	/		7	
8																	/		8	
9																	/		9	
10																	/		10	
11																	/		11	
12																	/		12	



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VESSEL: NOAA Surveyor		PROJECT & LEG: SU-95-03		INITIALS: <u>CD</u>		CHECKED BY: _____		PAGE 65 of 65																
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 242		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID									
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN								
0655	22	7.5	N	171	05	0	W	30	AUG	95	08	23	8.5	8.0	123	82	10	18	9	1	4	64	453	65
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):																		
TYPE & SN		LIGHT METER (V)		PRESS. SN		FLUOROMETER (V)		OTHER:		COND. SN		OTHER:		Line VII, Station 37										
93001				39443						693														

Position	#	Bot. #	Depth	Trip	Monitor Values				Sample Bottle Data			Nutrient	Chlor/	Other	Position	
					TIME@	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP					Avg. Tw
1					40.176	3.905	33.977							/		1
2														/		2
3														/		3
4														/		4
5														/		5
6														/		6
7														/		7
8														/		8
9														/		9
10														/		10
11														/		11
12														/		12

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VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CH		CHECKED BY:		PAGE 67 of											
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 242		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN			
675222.5	N	171	44.4	W	30	06	09	12	15	8.5	8.0	12	47	190	199	1	29	13	67
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):													
TYPE & SN		LIGHT METER (N)		FLUOROMETER (N)		Line VII, Station 35													
PRESS. SN		39443		OTHER:															
TEMP. SN		845		OTHER:															
COND. SN		693		OTHER:															
Position	Bot. #	Track	Depth	TIME @	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sample Bottle Data		Sal.	Nutrient	Chlor/	Other	Position	
1	1	Surf		2.381	7.823	32.986										/		1	
2	2															/		2	
3	3															/		3	
4	4															/		4	
5	5															/		5	
6	6															/		6	
7	7															/		7	
8	8															/		8	
9	9															/		9	
10	10															/		10	
11	11															/		11	
12	12															/		12	

VESSEL: NOAA Surveyor						PROJECT & LEG: SL-95-03							INITIALS: CH CHECKED BY:								PAGE 68 of					
CONSECUTIVE CAST NUMBER		LATITUDE			LONGITUDE			DATE JD= 242			TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN	N	DEG	MIN	E	DAY	MO	YR	HR	MIN														
68	52	21	09	N	171	58	08	WS	06	09	51	33	5	9.0	8.0	012	47	18	51	11	9	0	2	34	3	68
CTD		ATTACHMENTS:											FILENAME:													
TYPE & SN		LIGHT METER (V) _____											REMARKS (include alternate station designation if applicable): Line VII, Station 34													
PRESS. SN		39443																								
TEMP. SN		845																								
COND. SN		693																								
Position	#	Bot.	Trip	Depth	T-track	TIME @				Monitor Values				Sample Bottle Data				Sal.	Nutrient #	Chlor/ MZ	Other	Position				
						Depth	Trip	Press.	Temp.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	Bot.#									
1			✓	300		39.58	3.81	33.55								179.8	3.82					/		1		
2																						/		2		
3																						/		3		
4																						/		4		
5																						/		5		
6																						/		6		
7																						/		7		
8																						/		8		
9																						/		9		
10																						/		10		
11																						/		11		
12																						/		12		

VESSEL: NOAAS Surveyor		PROJECT & LEG: SU-96-03		INITIALS: CH		CHECKED BY:		PAGE 69 of														
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 242		TIME (GMT)		WIND SPEED (kts)	WIND DIRECTION	WET BULB (°C)	WIND VISIBILITY	SEA STATE (mb, integer)	WIND TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR										MIN				
695222.0	N	17	16	7.9	W	30	A	6	9	5	1	4	4	6	9.5	1	0	5	109	0	387	69
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):																
TYPE & SN		LIGHT METER (V)		PRESS. SN		FLUOROMETER (V)		OTHER:		OTHER:		Line VII, Station 33										
PRESS. SN		39443		COND. SN		693																
TEMP. SN		845																				
COND. SN		693																				

  

Position	#	Bot. #	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient	Bottle #	Chlor/ MZ	Other	
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw						Sal.
1		Surf			1.134	9.6596	32.916									/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12

VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CD		CHECKED BY:		PAGE 70 of 70													
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=243		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN	
70522	8.5	N	170	34.0	W	31	AUG	95	06	05	8.6	8.4	03	4	00	0	8	9	4	309	70
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):															
TYPE & SN		LIGHT METER (✓)		PRESS. SN		FLUOROMETER (✓)		OTHER:		OTHER:		Line VIII, Station 39									
COND. SN		693																			

  

Position	#	Bot. #	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw						Sal.
1					181.997	4.4652	35.424								/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12

VESSEL: NOAAS Surveyor				PROJECT & LEG: 54-95-03				INITIALS: _____				CHECKED BY: _____				PAGE 31 of _____							
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=2400		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE (mb, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN			
71	52	19.8	N	170	31.8	W	31	AUG	9	5	07	28	9.9	9.9	04	23	15	89	2	527	520	71	
CTD				ATTACHMENTS:				FILENAME: 1-2 3				REMARKS (include alternate station designation if applicable):  Line VIII, Station 40											
TYPE & SN 93001				LIGHT METER (V) _____																			
PRESS. SN 39443				FLUOROMETER (V) _____																			
TEMP. SN 845				OTHER: _____																			
COND. SN 693				OTHER: _____																			

  

Position	#	Bot. #	Depth	T-rack	TIME @		Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP					
1							515.462	3.432	34.192						/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12

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VESSEL: NOAA Surveyor										PROJECT & LEG: 54-96-03										INITIALS: <i>CD</i> CHECKED BY: _____										PAGE 11 of									
CONSECUTIVE CAST NUMBER		LATITUDE			LONGITUDE			DATE JD=244			TIME (GMT)			DRY BULB (°C)		WET BULB (°C)		BAR (mb, integer)		SEA STATE (mb, integer)		VISIBILITY		WIND DIRECTION		WIND SPEED (kts)		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID					
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN																											
0775	114.4	N	1300	4.0	W	01	SEP	95	01	59	12.1	11.2	153	7	22	5	15	63	1	7	15	6	7	7															
CTD										FILENAME: <i>38 AC</i>										REMARKS (include alternate station designation if applicable): <i>Line VIII, Station 46</i>																			
TYPE & SN <i>93001</i>										LIGHT METER (V) _____																													
PRESS. SN <i>39443</i>										FLUOROMETER (V) _____																													
TEMP. SN <i>845</i>										OTHER: _____																													
COND. SN <i>693</i>										OTHER: _____																													

Position	Bot. #	Trip	Depth	T-track	TIME@		Monitor Values					Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.					
1							350.70	1.523	34.661							/		1	
2																/		2	
3																/		3	
4																/		4	
5																/		5	
6																/		6	
7																/		7	
8																/		8	
9																/		9	
10																/		10	
11																/		11	
12																/		12	

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VESSEL: <u>NOAAS Surveyor</u>										PROJECT & LEG: <u>SL-95-03</u>										INITIALS: <u>CD</u> CHECKED BY: _____										PAGE <u>81</u> of _____									
CONSECUTIVE CAST NUMBER	LATITUDE				LONGITUDE				DATE JD= <u>244</u>				TIME (GMT)				DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID												
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN																												
81	53	57	16	N	16	40	06	W	01	SEP	95	21	22	10	11	10	10	10	10	10	10	10	10	10	10	10	10	81											
CTD										ATTACHMENTS:										FILENAME: <u>16-7</u>																			
TYPE & SN <u>93001</u>										LIGHT METER (✓) _____										REMARKS (include alternate station designation if applicable):  <u>LINE X1, station 62</u>																			
PRESS. SN <u>39443</u>										FLUOROMETER (✓) _____																													
TEMP. SN <u>845</u>										OTHER: _____																													
COND. SN <u>693</u>										OTHER: _____																													

  

Position	#	Bot. #	Depth	T-rack	TIME @				Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.							
1							1519.294	2.2671	34.4931									/		1	
2																		/		2	
3																		/		3	
4																		/		4	
5																		/		5	
6																		/		6	
7																		/		7	
8																		/		8	
9																		/		9	
10																		/		10	
11																		/		11	
12																		/		12	







VESSEL: NOAA Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CD		CHECKED BY:		PAGE 85 of										
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 246		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO												
85	56	35.9	164	39.0	03	SEP	95	03	29	10.9	9.5	193	83	20	11	862	73	BS
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):												
TYPE & SN		LIGHT METER (✓)		FLUOROMETER (✓)		CTD PRIOR TO RECOVERY OF												
PRESS. SN		39443		OTHER:		F-95B5M-2 & F-95B5S-2												
TEMP. SN		845		OTHER:														
COND. SN		693		OTHER:														
Position	#	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position		
				Press.	Tamp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.							
1	70			71.206	1.0113	32.1036							788	/		1		
2	60			61.153	1.0237	32.1049							789	/		2		
3	50			51.324	1.0459	32.1064							790	/		3		
4	40			40.559	1.0564	32.1073							791	/		4		
5	30			30.957	1.0621	32.1070							792	/		5		
6	20			20.202	7.5885	31.6638							793	/		6		
7	10			9.899	10.4476	31.5961							794	/		7		
8	0			1.285	10.5877	31.5998							795	/		8		
9														/		9		
10														/		10		
11														/		11		
12														/		12		

VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CH		CHECKED BY:		PAGE 86 of									
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=246		TIME (GMT)		WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR						MIN			
86	55	05.11	N	164	32.16	W	03	SEP	9	5	16	44	86				
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):											
TYPE & SN		LIGHT METER (V)		FLUOROMETER (V)		OTHER:											
PRESS. SN		39443		OTHER:		OTHER:											
TEMP. SN		845		OTHER:		OTHER:											
COND. SN		693		OTHER:		OTHER:											
Position	Bot. #	Trip	Depth	TIME@	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw						Sal.
1	56				56.741	7.8392	32.0421							796	/		1
2														797	/		2
3	50				49.590	7.8406	32.0418							798	/		3
4	40				40.278	7.9023	32.0012							799	/		4
5	30				30.044	7.9746	31.9668							800	/		5
6	20				20.207	8.0803	31.9131							801	/		6
7	10				9.833	8.3767	31.8465							802	/		7
8	0				1.501	9.1628	31.7117							-	/		8
9															/		9
10															/		10
11															/		11
12															/		12



VESSEL: NOAAS Surveyor		PROJECT & LEG: SL-96-03		INITIALS: CD		CHECKED BY:		PAGE 88 of													
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=2417		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR													MIN
88	54	23.8	N	163	54.1	W	09	50	639	11.4	10.0	1082	2	6	5	0	6	1	79	882	
CTD		ATTACHMENTS:		FILENAME: CAST882**		1-2															
TYPE & SN 93001		LIGHT METER (V)		REMARKS (include alternate station designation if applicable):																	
PRESS. SN 39443		FLUOROMETER (V)																			
TEMP. SN 845		OTHER:																			
COND. SN 693		OTHER:																			
Position	#	Bot. #	Trip	Depth	Monitor Values				Sample Bottle Data				Nutrient	Bottle #	Sal.	Bot. #	Chlor/	Other	Position		
					TIME@	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw								Sal.	
1				062850	52.243	6.1985	31.7680					52.8	6.22				/		1		
2																	/		2		
3																	/		3		
4																	/		4		
5																	/		5		
6																	/		6		
7																	/		7		
8																	/		8		
9																	/		9		
10																	/		10		
11																	/		11		
12																	/		12		

LINE XVI STATION 87  
 \*FIRST DOWN CAST SUSPICIOUS ⇒ USE  
 SECOND CAST (CAST882) (WAS NOT TAKEN OUT DE WATER)









VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-96-03		INITIALS: CH		CHECKED BY:		PAGE 92 of							
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 247		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							
925357.9	N 16329.2	W 04519.5	1100	10.8	9.7	08	47	03	02	09	11	96	92		
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):									
TYPE & SN 93001		LIGHT METER (V)		LINE XVI, STATION 91											
PRESS. SN 39443		FLUOROMETER (V)													
TEMP. SN 845		OTHER:													
COND. SN 693		OTHER:													

  

Position	#	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw					
1					62.655	5.4826	32.2269							/		1
2														/		2
3														/		3
4														/		4
5														/		5
6														/		6
7														/		7
8														/		8
9														/		9
10														/		10
11														/		11
12														/		12

[illegible]

[illegible]

VESSEL: <u>NOAAS Surveyor</u>				PROJECT & LEG: <u>54-95-03</u>				INITIALS: <u>CH</u> CHECKED BY: _____				PAGE <u>95</u> of _____								
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>247</u>		TIME (GMT)		DFY BULB (° C)	WET BULB (° C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												
9553	37	5	N	165	10	9	W	04	56	10	9	00	56	30	30	86	62	43	95	
CTD				ATTACHMENTS:				FILENAME:				REMARKS (include alternate station designation if applicable):								
TYPE & SN <u>93001</u>				LIGHT METER (N)								<u>C LWE XVI, station 94</u>								
PRESS. SN <u>39443</u>				FLUOROMETER (N)																
TEMP. SN <u>845</u>				OTHER:																
COND. SN <u>693</u>				OTHER:																

  

Position	#	Depth	T-tag	TIME @				Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
				Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.					
1						663.968	3.3649	34.2417								/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12

[illegible]



VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CD		CHECKED BY:		PAGE 97 of									
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=248		TIME (GMT)	WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	WIND TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO									YR	HR	MIN
97	54	25.3	N	165	08.7	W	05	SEP	9	5	03	15	10.3	9.803	02028731	133	97
ATTACHMENTS: TYPE & SN 93001 PRESS. SN 39443 TEMP. SN 845 COND. SN 693																	
FILENAME: 54-95-03 REMARKS (include alternate station designation if applicable): LINE XV, STATION 84																	

  

Position	#	Bot.	Trip	Depth	TIME@	Monitor Values				Sample Bottle Data			Sal.	Nutrient	Chlor/	Other	Position
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw					
1						51.574	7.6886	31.9666							/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12

VESSEL: <u>NOAAS Surveyor</u>										PROJECT & LEG: <u>SU-95-03</u>										INITIALS: <u>CD</u> CHECKED BY: _____										PAGE <u>98</u> of _____																																																																																																																																	
CONSECUTIVE CAST NUMBER										LATITUDE DEG MIN SEC N 16 51 6.9										LONGITUDE DEG MIN SEC W 05 58 9.5										DATE JD= <u>248</u> DAY MO YR 05 SEP 95										TIME (GMT) HR MIN 04 20										DRY BULB (°C) 9.9										WET BULB (°C) 9.5										BAR (mb, integer) 1034										SEA STATE H										VISIBILITY										WIND DIRECTION										WIND SPEED (kts) 258										CLOUD (amt) 62										TYPE 62										WEATHER 17b										STA. NAME/ID 98									
CTD										ATTACHMENTS:										FILENAME: <u>5-78</u>										REMARKS (include alternate station designation if applicable):  <u>LINE XV, STATION 83</u>																																																																																																																																	
TYPE & SN <u>93001</u>										LIGHT METER (✓) _____																																																																																																																																																					
PRESS. SN <u>39443</u>										FLUOROMETER (✓) _____																																																																																																																																																					
TEMP. SN <u>845</u>										OTHER: _____																																																																																																																																																					
COND. SN <u>693</u>										OTHER: _____																																																																																																																																																					

  

TIME @			Monitor Values				Sample Bottle Data				Sal.		Nutrient		Chlor/		Position	
Bot. #	Trip	Depth	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	Bot. #	Nutrient	Bot. #	Chlor/	Other	Position		
1		01250	103.286	5.8205	32.6503									/		1		
2														/		2		
3														/		3		
4														/		4		
5														/		5		
6														/		6		
7														/		7		
8														/		8		
9														/		9		
10														/		10		
11														/		11		
12														/		12		





VESSEL: <u>NOAAS Surveyor</u>				PROJECT & LEG: <u>SL-95-03</u>				INITIALS: <u>CH</u> CHECKED BY: _____				PAGE <u>101</u> of _____												
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>248</u>		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID									
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN								
101	54	28.3	N	166	03.2	W	05	S	09	15	07	06	10	00	9.50	74	73	50	20	9	2	54	3	101
<div style="display: flex; justify-content: space-between;"> <div> <b>CTD</b>            TYPE &amp; SN <u>93001</u>            PRESS. SN <u>39443</u>            TEMP. SN <u>845</u>            COND. SN <u>693</u> </div> <div> <b>ATTACHMENTS:</b>            LIGHT METER (N) _____            FLUOROMETER (N) _____            OTHER: _____            OTHER: _____         </div> </div>																								
FILENAME: _____ REMARKS (include alternate station designation if applicable): <div style="text-align: center; font-size: 1.2em;">             LINE XIV, STATION 79*              *LINE XIV, STA 80 WAS SKIPPED DUE TO HEAVY FISHING TRAFFIC           </div>																								

  

Position	#	Depth	TIME@	Monitor Values				Sample Bottle Data		Sal.	Nutrient Bottle #	Chlor/	Other	Position
				Depth	Trip	Press.	Temp.	Salinity	Cond.					
1						441.507	3.652	33.852				/		1
2												/		2
3												/		3
4												/		4
5												/		5
6												/		6
7												/		7
8												/		8
9												/		9
10												/		10
11												/		11
12												/		12

VESSEL: NOAA Surveyor										PROJECT & LEG: SU-95-03										INITIALS: CH CHECKED BY:										PAGE 102 of 102																																																																																																																																	
CONSECUTIVE CAST NUMBER										LATITUDE DEG MIN										LONGITUDE DEG MIN										DATE JD=248 DAY MO YR										TIME (GMT) HR MIN										DRY BULB (°C)										WET BULB (°C)										BAR (mb, integer)										SEA STATE										VISIBILITY										WIND DIRECTION										WIND SPEED (kts)										CLOUD (amt)										TYPE WEATHER										BOTTOM DEPTH (m)										STA. NAME/ID									
102										54 34.7										N 116 09.6										W 05 SEP 95										1033										10.0										9.5										074										700										834										912										424										102																																							
CTD										ATTACHMENTS:										FILENAME:										REMARKS (include alternate station designation if applicable):																																																																																																																																	
TYPE & SN 93001										LIGHT METER (V)																																																																																																																																																					
PRESS. SN 39443										FLUOROMETER (V)																																																																																																																																																					
TEMP. SN 845										OTHER:																																																																																																																																																					
COND. SN 693										OTHER:																																																																																																																																																					
LINE XIV, STATION 78																																																																																																																																																															











VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Phase I		STA. DESIGNATION					
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1075455.6	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB	WET BULB	WIND DIR.	WIND SP
1075455.6	N	16	52	8.7	W	05	S	E	P	9	5	19	24
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS					
TYPE & SN	93001	DATA ON				Tape/Diskette ID		File Name/Header					
PRESS SN	39443	START DOWN											
TEMP SN	845	AT DEPTH											
COND SN	693	AT SURFACE											
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		SAL. BOT. #		OTHER SAMPLE					
1	12	PRESS.	TEMP.	SAL.	THERM-P	SALINITY							
2		12.195	8.697	31.915									
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Phase I		STA. DESIGNATION															
CONSC. CAST #		LATITUDE		LONGITUDE		DATE JD= 248		TIME (GMT)		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
1025459.4		N 16517.9		W 0517.9		W O S E P 9 5		20 52 10		09.5074602022		02022		9		4		114		108			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		LINE XIII, station 72															
PRESS SN 39443		START DOWN																					
TEMP SN 845		AT DEPTH																					
COND SN 693		AT SURFACE																					

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Phase I		STA. DESIGNATION															
CONSC. CAST #		LATITUDE		LONGITUDE		DATE JD= 248		TIME (GMT)		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
1025459.4		N 16517.9		W 0517.9		W O S E P 9 5		20 52 10		09.5074602022		02022		9		4		114		108			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		LINE XIII, station 72															
PRESS SN 39443		START DOWN																					
TEMP SN 845		AT DEPTH																					
COND SN 693		AT SURFACE																					

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Phase I		STA. DESIGNATION															
CONSC. CAST #		LATITUDE		LONGITUDE		DATE JD= 248		TIME (GMT)		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
1025459.4		N 16517.9		W 0517.9		W O S E P 9 5		20 52 10		09.5074602022		02022		9		4		114		108			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		LINE XIII, station 72															
PRESS SN 39443		START DOWN																					
TEMP SN 845		AT DEPTH																					
COND SN 693		AT SURFACE																					

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Phase I		STA. DESIGNATION															
CONSC. CAST #		LATITUDE		LONGITUDE		DATE JD= 248		TIME (GMT)		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
1025459.4		N 16517.9		W 0517.9		W O S E P 9 5		20 52 10		09.5074602022		02022		9		4		114		108			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		LINE XIII, station 72															
PRESS SN 39443		START DOWN																					
TEMP SN 845		AT DEPTH																					
COND SN 693		AT SURFACE																					

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Phase I		STA. DESIGNATION															
CONSC. CAST #		LATITUDE		LONGITUDE		DATE JD= 248		TIME (GMT)		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		WET BULB		WIND DIR.		WIND SP.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
1025459.4		N 16517.9		W 0517.9		W O S E P 9 5		20 52 10		09.5074602022		02022		9		4		114		108			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		LINE XIII, station 72															
PRESS SN 39443		START DOWN																					
TEMP SN 845		AT DEPTH																					
COND SN 693		AT SURFACE																					

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