

DMD
June 1997

PG 1 39

VESSEL NOAAS DISCOVERER		PROJ. & LEG DI96-03		STA. DESIGNATION STA 1 HAUL 1																							
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD= 117			TIME (GMT)		DRY BULB	WET BULB	Barometer (millibars)	Sea State	Visibility	WIND DIR.	WIN SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN																
001	59	54	60	N	14	82	41	18	W	26	A	P	R	9	6	14	56	41	41	00	18	04	56	28	82	176	11-1
CTD: Seabird 9+		TIMES			JD/TIME			DATA LOCATION										REMARKS									
S/N 09P8431-315		DATA ON						Tape/Diskette ID			File Name/Header							Fluorometer max depth = 154									
PRESS S/N 53960		START DOWN																Fluorometer at maximum									
TEMP(1) S/N 31321		AT DEPTH																need to change range									
COND S/N 40915		AT SURFACE																nothing									
TEMP(2) S/N 710																											
TRIP DEPTH		CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA			SAL. BOT. #			OTHER SAMPLE																
1	60	PRESS.	TEMP.	SAL.	THERMAP			SALINITY			x			1													
2	50				10.0			31.9203																			
3	40				10.0																						
4	30				10.0																						
5	20				10.0																						
6	10				10.0																						
7	0	lost *																									
8																											
9																											
10																											
11																											
12																											

last raw data average (0m) lost when attempting to print screen. System froze
and required reboot.

fluorometer: 0-10 scale

VESSEL NOAAS DISCOVERER				PROJ. & LEG D196-03				STA. DESIGNATION STA 3 HAUL 1																		
CONS C CAS T #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD= 117 DAY MO YR		TIME (GMT) HR MIN		DRY BULB		WET BULB		WIND DIR.		WIN SP		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID		
003	594	51.7	N	148	17.2	3	W	7	4	APR	96	18	38	5.2	5.0	02	28	07	00	8	6	3	1	158	3-1	STA.
CTD		TIMES		JD TIME		DATA ON		Tape/Diskette ID		DATA LOCATION		REMARKS		150 max depth												
TYPE & SN 92007		DATA ON		START DOWN		AT DEPTH		AT SURFACE																		
PRESS SN 440K-008 5320		DATA ON		START DOWN		AT DEPTH		AT SURFACE																		
TEMP SN 000 31321		DATA ON		START DOWN		AT DEPTH		AT SURFACE																		
COND SN 500 40915		DATA ON		START DOWN		AT DEPTH		AT SURFACE																		
TEMP SN 704 710		DATA ON		START DOWN		AT DEPTH		AT SURFACE																		

VESSEL NOAAS DISCOVERER		PROJ. & LEG BT-00-02 D196-03		STA. DESIGNATION STA 4 HAUL 1											
CONS C CAS T #	59 35.15	148 09.63		2045	TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
DEG	MIN	DEG	MIN	DATE JD=117	DAY	MO	YR	HR	MIN	5.7	5.00	4.37	1700	77	4-1
04	59	34	99	N	14	8	09	17	34	5.7	5.00	4.37	1700	77	4
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN 00067		DATA ON				Tape/Diskette ID		File Name/Header							
PRESS SN 440K-023 53960		START DOWN													
TEMP SN 889 31321		AT DEPTH													
COND SN 530 40915		AT SURFACE													
TEMP SN 707 710															
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #		OTHER SAMPLE			
		PRESS.	TEMP.	SAL.		Therm-P	SALINITY								
1	50	193.583	5.411	32.509		1.289	32.5169								
2	40	49.562	5.694	32.254		5.154									
3	30	40.423	5.703	32.254		4.885									
4	20	30.416	5.670	32.225		6.973									
5	10	19.660	5.640	32.207		8.324									
6	0	9.609	5.602	32.189		9.940									
7		3.937	5.748	32.184		6.478									
8															
9															
10															
11															
12															

*(sample depth not noted
@ time of collection)

NO
50
40
30
20
10
0

VESSEL		PROJ. & LEG		STA. DESIGNATION																	
NOAAS DISCOVERER		BH-06-02 D196-03		STA S HAUL 1																	
CONS C CAS T #	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DATE JD= 117	DAY	MO	YR	TIME (GMT)	✓	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
0055923.33	N 14803.25	W 26	APR	96	23	00	5.2	4.9	06	28	120	09	7	7	1	158			5-1		
CTD		TIMES		JD/TIME		DATA LOCATION															
TYPE & SN -02007		DATA ON		Tape/Diskette ID File Name/Header																	
PRESS SN 440K-028 53960		START DOWN																			
TEMP SN 689- 31321		AT DEPTH																			
COND SN 550- 40915		AT SURFACE																			
TEMP SN 701- 710																					
POS	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #	OTHER SAMPLE										
		PRESS.	TEMP.	SAL.	TEMP-P	SALINITY															
1	150/180	147.106	5.565	32.561	0.832	32.569			5	848											
2	100	99.196	5.369	32.362	2.311					847											
3	75	74.747	5.514	32.366	3.286					846											
4	100	59.933	5.624	32.295	4.988																
5	50	49.283	5.689	32.295	4.920					845											
6	40	38.533	5.675	32.290	3.110																
7	30	29.930	5.688	32.289	4.610					844											
8	20	20.310	5.716	32.286	6.373					843											
9	10	9.927	5.821	32.274	3.864					842											
10	0	3.665	6.013	32.274	3.029					841											
11																					
12																					

max depth = 177

VESSEL				NOAAS DISCOVERER				PROJ. & LEG				STA. DESIGNATION							
				D190-02				D196-03				STA 6 HAUL 1							
CONS C CAS T #		59 12.12		147 56.19		0121		DATE JD= 117		WET BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
LATITUDE		DEG MIN		DEG MIN		TIME (GMT)		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	
59 12.19 N		147 56.19 W		0121		DATE JD= 117		DAY MO YR		DRY BULB		WIND DIR.		CLOUD (amt)		BOTTOM DEPTH (m)		STA. NAME/ID	

VESSEL NOAA'S DISCOVERER				PROJ. & LEG D196-02 D196-03				STA. DESIGNATION STA 7 HAUL 1																	
CONS C CAS T #		LATITUDE		LONGITUDE		DATE JD= 118		TIME (GMT)		WET BULB		WIND DIR. 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								
06	15	84	3.99	N	148	51.0	1	W	27	A	P	9	6	05	53	4.7	450	8	38	165	058	6	2	224	7-1
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																	
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header																			
PRESS SN 440K-029 53960		START DOWN																							
TEMP SN 800- 31321		AT DEPTH																							
COND SN 500- 40915		AT SURFACE																							
TEMP SN 701- 710																									
TRIP DEPTH		CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #		OTHER SAMPLE													
POS.		PRESS.	TEMP.	SAL.	THERM-P	SALINITY																			
1	148	214.636	5.762	33.266	1.038	33.2742					849														
2	206	198.982	5.745	33.245	0.851						858														
3	156	149.690	5.424	32.793	0.717						857														
4	100	99.466	5.454	32.521	6.949						856														
5	75	71.799	5.394	32.373	1.754						855														
6	50	52.384	5.519	32.325	4.267						854														
7	40	39.847	5.558	32.320	2.723																				
8	30	29.949	5.593	32.314	3.812						853														
9	20	20.048	5.711	32.311	4.349						852														
10	10	19.890	5.808	32.325	2.843						851														
11	0	2.302	5.804	32.325	4.634						850														
12																									

VESSEL NOAAS DISCOVERER		PROJ. & LEG DL-06-02- D196-03		STA. DESIGNATION STA 8 HAUL 1																					
CONS C CAS T #	LATITUDE		LONGITUDE		DATE JD= 118	TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID											
	DEG	MIN	DEG	MIN																					
0085	85	2.9	3	N	148	44.8	1W	27	APR	96	07	11	5.0	4.7	49	38	17	5	07	8	6	2	27	7	8-1
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS									
TYPE & SN -02067		DATA ON				Tape/Diskette ID										File Name/Header									
PRESS SN 446K-023 5396		START DOWN																							
TEMP SN 889 31321		AT DEPTH																							
COND SN 580 40915		AT SURFACE																							
TEMP SN 701 710																Max Depth 268									

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERM-P	SALINITY		
1	NB	266.452	5.611	33.659	0.690		8	869
2	250	255.471	5.656	33.616	0.640			868
3	200	200.829	5.666	33.223	0.563			867
4	150	151.330	5.576	32.894	0.590			866
5	100	100.841	5.408	32.571	1.061			865
6	75	75.521	5.517	32.424	3.938			864
7	50	49.816	5.692	32.343	3.829			863
8	40	40.098	5.701	32.340	5.877			
9	30	29.585	5.745	32.332	5.745			862
10	20	20.018	5.746	32.322	3.917			861
11	10	9.667	5.999	32.312	6.005			860
12	0	2.737	6.000	32.312	6.626			859

VESSEL NOAAS DISCOVERER		PROJ. & LEG DL96-02 D196-03		STA. DESIGNATION STA 11 HAUL 1										
CONS C CAS T #	LATITUDE		LONGITUDE		DATE JD= 18	TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN										
01159	20.4	0 N	148	49.4	W 27	APR 96	1411	4.5	4.5	133	862	145	111	
CTD		TIMES		JD/TIME		DATA LOCATION								
TYPE & SN -92067		DATA ON		Tape/Diskette ID		File Name/Header								
PRESS SN 440K-023-5320		START DOWN												
TEMP SN 880-31321		AT DEPTH												
COND SN 580-40915		AT SURFACE												
TEMP SN 701-710														
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #		OTHER SAMPLE		
		PRESS.	TEMP.	SAL.		TEMP-P	SALINITY							
1	NB	513.136.814	5.341	32.485	2.188							895		
2	100	100.100.675	5.213	32.307	4.201							894		
3	75	25.74.961	5.355	32.283	4.389							893		
4	50	49.443	5.503	32.287	4.182							892		
5	30	30.348	5.640	32.284	5.274							891		
6	20	20.131	4.977	32.159	6.338							890		
7	10	9.851	5.216	32.037	16.74							889		
8	0	1.976	5.215	32.037	13.95							888		
9														
10														
11														
12														

VESSEL NOAAS DISCOVERER		PROJ. & LEG DL-00-02- D196-03		STA. DESIGNATION STA 12 HAUL 1																							
CONS C CAS T #	LATITUDE		LONGITUDE		DATE JD= 18	TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID													
	DEG	MIN	DEG	MIN																							
01	25	92.9	01	N	14	85	7.6	9W	27	APR	96	16	11	5.2	5.0	13	3	8	14	0	11	8	6	Z	1	82	12-1
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS											
TYPE & SN 92067		DATA ON				Tape/Diskette ID		File Name/Header																			
PRESS SN 440K-023-5376		START DOWN																									
TEMP SN 809-31321		AT DEPTH																									
COND SN 500-40915		AT SURFACE																									
TEMP SN 701-710																											
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #		OTHER SAMPLE															
		PRESS.	TEMP.	SAL.		Therm-P	SALINITY																				
1	NB	1172.062	5.322	32.511	7	0.861					2056																
2	150	150.291	5.203	32.392		1.118					2055																
3	150	99.532	5.333	32.287		3.489					2054																
4	75	75.381	5.248	32.254		6.020			5d		2053																
5	50	49.616	5.331	32.239		5.236					2052																
6	40	39.436	5.368	32.209		5.277																					
7	30	30.677	5.478	32.202		7.409																					
8	20	22.562	5.291	32.143		6.837					2051																
9	10	12.846	5.165	32.096		6.653					2050																
10	0	2.279	5.163	32.096		5.189					2049																
11											896																
12																											

VESSEL		NOAAS DISCOVERER		PROJ. & LEG		DI-00-02		D196-03		STA. DESIGNATION		STA 14 HAUL 1									
CONS C CAS T #	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DATE JD=118	DAY	MO	YR	TIME (GMT)	✓	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0145938.96	N	119904.56	W	27	APR	96	19	08	5.6	5.2	15	38	130	14	87	2	170	141			
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS									
TYPE & SN -02067		DATA ON																			
PRESS SN -440K-023 53960		START DOWN																			
TEMP SN -889 31321		AT DEPTH																			
COND SN -530 40915		AT SURFACE																			
TEMP SN -701 710																					
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD		SAL.		THERM-P		SALINITY		SAL. BOT. #		OTHER SAMPLE									
1	NB	PRESS.	TEMP.	TEMP.	SAL.	THERM-P		SALINITY		SAL. BOT. #		OTHER SAMPLE									
2	150	164.683	5.177	32.394	0.383	32.3846		2074		2073		2072									
3	100	149.896	4.907	32.243	0.511	1.865		2071		2070		2069									
4	75	100.026	4.669	32.085	1.865	3.930		2068		2067		2066									
5	50	74.791	4.802	32.055	3.930	2.176		2069		2068		2067									
6	40	50.241	4.696	31.997	2.176	16.72		2069		2068		2067									
7	30	39.791	4.771	31.951	16.72	15.15		2069		2068		2067									
8	20	30.641	4.876	31.940	15.15	16.02		2069		2068		2067									
9	10	20.267	4.878	31.938	16.02	25.15		2069		2068		2067									
10	0	10.603	5.000	31.912	25.15	17.63		2069		2068		2067									
11		3.602	5.021	31.911	17.63																
12																					

VESSEL NOAAS DISCOVERER		PROJ. & LEG D196-02 D196-03		STA. DESIGNATION STA 15 HAUL 1												
CONS C CAS T #	LATITUDE		LONGITUDE		DATE JD= 118		TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIN SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO										YR
0155942.99	N	14908.17	W	27	APR	96	20	39	5.1	4.7	163	80901	5872	158	15-1	
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS
TYPE & SN 92067		DATA ON				Tape/Diskette ID		File Name/Header								
PRESS SN 410K-023 5320		START DOWN														
TEMP SN 800- 31321		AT DEPTH														
COND SN 500- 40915		AT SURFACE														
TEMP SN 704 710																

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	TEMP-P	SALINITY		
1	150	146.686	5.112	32.302	0.527	15	2082	
2	100	99.494	4.705	32.165	0.509		2081	
3	75	76.403	4.759	32.095	1.724		2080	
4	50	49.533	4.667	32.005	1.342		2079	
5	30	29.142	4.834	31.983	7.417		2078	
6	20	20.745	4.808	31.968	9.430		2077	
7	10	10.469	5.070	31.948	28.66		2076	
8	0	2.813	5.146	31.944	19.13		2075	
9								
10								
11								
12								

VESSEL NOAAS DISCOVERER				PROJ. & LEG D196-03				STA. DESIGNATION STA 16 HAUL 1													
CONS C CAS T #	LATITUDE		LONGITUDE		DATE JD= 119		TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO										YR	HR	MIN			
51659	23.9	11	150	15.7	1W	28	APR	96	00	21	41	4.1	16	38	025	17	8	7	2	098	16-1
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS					
TYPE & SN 02007-		DATA ON		Tape/Diskette ID		File Name/Header															
PRESS SN 410K-020-5300		START DOWN																			
TEMP SN 000- 31321		AT DEPTH																			
COND SN 500- 40915		AT SURFACE																			
TEMP SN 701- 710																					
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				f100r				SAMPLE BOTTLE DATA				SAL. BOT. #	OTHER SAMPLE						
		PRESS.	TEMP.	SAL.		THERM-P	SALINITY														
1	NB	86.780	4.342	31.856		5.662					16	2089									
2	75	74.134	4.343	31.855		5.959						2088									
3	50	49.831	4.324	31.809		3.896						2087									
4	30	29.517	4.454	31.764		11.93						2086									
5	20	19.666	4.513	31.753		11.94						2085									
6	10	9.467	4.552	31.718		11.29						2084									
7	0	4.203	4.565	31.665		8.357						2083									
8																					
9																					
10																					
11																					
12																					

VESSEL		NOAAS DISCOVERER		PROJ. & LEG		DL-06-02- D196-03		STA. DESIGNATION		STA 19 HAUL 1	
018		CONS		DATE JD= 119		TIME (GMT)		WET BULB		WIND DIR.	
C CAS		T #		LONGITUDE		LATITUDE		WIND DIR.		WIND DIR.	
T #		DEG MIN		DEG MIN		DEG MIN		WET BULB		WIND DIR.	
0195913.9		4 N		150 06.4		1 W		28 APR 1980		4.3 14.2 15 3 7 11.5 10 6 2	
CTD		TIMES		JD/TIME		DATA ON		Tape/Diskette ID		File Name/Header	
TYPE & SN 82067		DATA ON		START DOWN		AT DEPTH		AT SURFACE		REMARKS	
PRESS SN 418K-023 53900		START DOWN		AT DEPTH		AT SURFACE		Station 18 was a drifter deployment no CTD taken there			
TEMP SN 689 31321		AT DEPTH		AT SURFACE		AT SURFACE					
COND SN 689 40915		AT SURFACE		AT SURFACE		AT SURFACE					
TEMP SN 701 710		AT SURFACE		AT SURFACE		AT SURFACE					
TRIP DEPTH		CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		OTHER SAMPLE		SAL. BOT. #			
1 NB		PRESS. 153.766		TEMP. 4.986		SAL. 32.266		THERM-P 1.424		SALINITY 32.2763	
2 150		PRESS. 148.968		TEMP. 5.008		SAL. 32.266		THERM-P 2.982		OTHER SAMPLE 2106	
3 100		PRESS. 98.611		TEMP. 4.719		SAL. 32.146		THERM-P 1.334		OTHER SAMPLE 2105	
4 75		PRESS. 76.197		TEMP. 4.784		SAL. 32.294		THERM-P 2.396		OTHER SAMPLE 2104	
5 50		PRESS. 51.632		TEMP. 4.605		SAL. 32.447		THERM-P 2.421		OTHER SAMPLE 2103	
6 40		PRESS. 41.519		TEMP. 4.544		SAL. 31.971		THERM-P 2.165		OTHER SAMPLE 2102	
7 30		PRESS. 32.368		TEMP. 4.538		SAL. 31.955		THERM-P 2.555		OTHER SAMPLE 2101	
8 20		PRESS. 22.234		TEMP. 4.513		SAL. 31.936		THERM-P 3.151		OTHER SAMPLE 2100	
9 10		PRESS. 10.382		TEMP. 4.889		SAL. 31.890		THERM-P 19.64		OTHER SAMPLE 2099	
10 0		PRESS. 2.834		TEMP. 4.959		SAL. 31.884		THERM-P 18.34		OTHER SAMPLE 2098	
11											
12											

VESSEL						PROJ. & LEG							STA. DESIGNATION																												
NOAAS DISCOVERER						01-06-02- D196-03							STA 20 HAYL																												
CONS C CAS T #		LATITUDE		LONGITUDE		DATE JD= 119		TIME (GMT)		DRY BULB		WET BULB		S.S.		WIND DIR.		WIN SP		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID															
019	01	09	02	N	15	00	02	4	W	2	8	A	P	R	9	6	0	3	3	8	3	7	1	5	3	7	1	3	0	1	3	8	6	2	1	3	9	2	0	-	1
CTD						TIMES						JD/TIME						DATA LOCATION						REMARKS																	
TYPE & SN 02667						DATA ON						Tape/Diskette ID						File Name/Header																							
PRESS SN 440K-023 5320						START DOWN																																			
TEMP SN 889 31321						AT DEPTH																																			
COND SN 580 40915						AT SURFACE																																			
TEMP SN 70+ 710																																									

VESSEL NOAAS DISCOVERER						PROJ. & LEG D-96-02- D196-03				STA. DESIGNATION STA 21 HAUL 1													
CONSC CAST # 020		LATITUDE		LONGITUDE		DATE JD= 119		TIME (GMT)		DRY BULB		WET BULB				WIN SP		CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m) 209	STA. NAME/ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN													
0	27	59	03.14 N	149	54.1 W	28	A	P	R	96	07	38	13	13	16	37	18	00	78	7	209	211-1	
CTD		TIMES		JD/TIME		DATA LOCATION																REMARKS	
TYPE & SN -02067		DATA ON		Tape/Diskette ID File Name/Header																			
PRESS SN 410K-029 53%		START DOWN																					
TEMP SN 089- 31321		AT DEPTH																					
COND SN 530- 40915		AT SURFACE																					
TEMP SN -704- 710																							

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERM-P	SALINITY		
1	200	200.319	5.492	32.739	0.936		651	
2	150	148.975	5.442	32.634	0.991		650	
3	100	98.416	5.322	32.403	2.687		649	
4	75	73.391	5.380	32.316	4.245		648	
5	50	48.869	5.561	32.294	4.605	Sal 20	647	
6	30	30.298	5.616	32.291	3.956		646	
7	20	21.175	5.634	32.294	5.227		645	
8	10	10.775	5.855	32.273	4.002		644	
9	0	2.616	5.846	32.256	4.368		643	
10								
11								
12								

VESSEL		NOAAS DISCOVERER		PROJ. & LEG		STA. DESIGNATION	
021		CONS		C CAS		T #	
LATITUDE		LONGITUDE		DATE JD= 119		TIME (GMT)	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR
28	54.13	14	53.70	28	APR	96	09
CTD		TIMES		JD/TIME		DATA LOCATION	
TYPE & SN -02067		DATA ON		Tape/Diskette ID		File Name/Header	
PRESS SN -009 31321		START DOWN					
TEMP SN -009 31321		AT DEPTH					
COND SN -009 40915		AT SURFACE					
TEMP SN -009 710							
WIND DIR.		WET BULB		DRY BULB		WIND DIR.	
WIND SP		WET BULB		DRY BULB		WIND SP	
CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
232		1		232		22-1	
1	200	22.0	98.2	5.838	33.375	0.808	661
2	200	20.1	39.0	5.846	33.391	0.853	660
3	150	15.1	50.4	5.516	32.882	0.857	659
4	100	9.9	96.5	5.371	32.525	1.106	658
5	75	7.5	97.0	5.372	32.417	3.131	657
6	50	5.0	90.4	5.584	32.337	3.253	656
7	40	4.0	89.3	5.593	32.332	3.809	655
8	30	3.1	02.9	5.559	32.312	4.783	654
9	20	2.1	02.0	5.547	32.299	4.109	653
10	10	1.0	94.3	5.712	32.278	4.274	652
11	0	2.5	74	5.713	32.277	4.053	652
12							

VESSEL		NOAA DISCOVERER		PROJ. & LEG		STA. DESIGNATION												
				D196-02 D196-03		STA 25 HAVL 1												
CONS C CAS T #	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DATE JD= 119	TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
																		HR
025	584	2	1	150	50	2	6W	28	APR	06	16	40	2.6	2.9	153	7	192	25-1
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS										
TYPE & SN 02067		DATA ON		Tape/Diskette ID		File Name/Header												
PRESS SN 440K-023-5324		START DOWN																
TEMP SN 089-31321		AT DEPTH																
COND SN 530-40915		AT SURFACE																
TEMP SN 701-710																		

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERM-P	SALINITY		
1	N/A	182.188	5.475	32.824	1.745		688	
2	150	149.237	5.449	32.755	0.931		687	
3	100	99.602	5.229	32.465	1.724		686	
4	75	75.766	5.208	32.411	2.783		685	
5	50	49.849	5.375	32.385	2.969		684	
6	30	29.718	5.384	32.339	2.824		683	
7	20	19.488	5.505	32.335	2.395		682	
8	10	10.223	5.497	32.308	1.923		681	
9	0	2.405	5.544	32.302	1.537	24	680	
10								
11								
12								

VESSEL NOAAS DISCOVERER		PROJ. & LEG DI96-03		STA. DESIGNATION STA 27 HAUL 1																															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 119		TIME (GMT)		WET BULB	WIND DIR.	WIND S	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN																			
026	58	52.24	N	150	53.80	W	28	A	P	R	9	6	1	9	2	4	3	2	3	0	1	5	3	8	0	6	2	1	6	8	2	7	-	1	
CTD: Seabird 9+																DATA LOCATION										REMARKS									
S/N 09P8431-315																Tape/Diskette ID										File Name/Header									
PRESS S/N 53960																										CAST 27. *									
TEMP(1) S/N 31321																																			
COND S/N 40915																																			
TEMP(2) S/N 710																																			
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #				OTHER SAMPLE																					
		PRESS.	TEMP.	SAL.	THERMP	SALINITY																													
1	NB																																		
2	150																																		
3	100																																		
4	75																																		
5	50																																		
6	30																																		
7	20																																		
8	10																																		
9	0																																		
10																																			
11																																			
12																																			

Max Dep = 158

[illegible]

$$\text{Mar Dop} = 166$$

VESSEL				PROJ. & LEG				STA. DESIGNATION																																			
NOAAS DISCOVERER				D196-03				STA 30 HAUL 1																																			
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD= 119			TIME (GMT)		DRY BULB	WET BULB	Barometer (millibars)	Sea State	Visibility	WIND DIR.	WIN SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																					
029	59	05	16	9	N	15	05	9	8	9	W	28	A	P	9	6	2	3	3	9	5	6	4	5	1	5	3	8	2	4	5	0	8	4	6	1	1	8	9	3	0	-	1
CTD: Seabird 9+				TIMES				JD/TIME				DATA LOCATION				REMARKS																											
S/N 09P8431-315				DATA ON				Tape/Diskette ID				File Name/Header				Interesting feature @ 10-20 m, marked by locally high salinity and low T. Did not show in up-trace however, Cast 30AUX is another (short) Cast @ same location to help define this better.																											
PRESS S/N 53960				START DOWN								CAST 030.*																															
TEMP(1) S/N 31321				AT DEPTH																																							
COND S/N 40915				AT SURFACE																																							
TEMP(2) S/N 710																																											

[illegible]

VESSEL						PROJ. & LEG						STA. DESIGNATION												
NOAAS DISCOVERER						D196-03						STA 30 HAUL 1B												
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD= 119			TIME (GMT)			DRY BULB	WET BULB	Barometer (millibars)	VIS	WIND DIR.	WIN SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
0305905159N	151100-04W	28 APR 96	2355	6.0	4.0	15.38	235	08	4	1	193	30-1												
CTD						TIMES						DATA LOCATION						REMARKS						
SBE 9+ S/N 09P8431-315	DATA ON _____						Tape/Diskette ID _____						File Name/Header _____						Second (short) cast to investigate possible inversion seen during cast 029					
PRESS S/N 53960	START DOWN _____												30 AUX. # _____											
TEMP(1) S/N 31321	AT DEPTH _____												TESTLES. # _____											
COND S/N 40915	AT SURFACE _____																							
TEMP(2) S/N 710																								
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD						SAMPLE BOTTLE DATA						SAL. BOT. # OTHER SAMPLE										
1		PRESS.	TEMP.	SAL.	THERMP	SALINITY																		
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

VESSEL				NOAAS DISCOVERER				PROJ. & LEG				STA. DESIGNATION																															
								DI96-03				STA 31 HAWL 1																															
CONSC CAST #	LATITUDE				LONGITUDE				DATE JD= 120				TIME (GMT)		WET BULB		WIND DIR.		WIN SP		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/D																
03	15	9	03	21	N	15	1	43	8	9	W	29	A	P	R	9	6	0	2	5	1	4	5	4	0	1	4	3	8	3	1	0	2	2	4	3	1	1	6	0	3	1	1
CTD				TIMES				JD/TIME				DATA LOCATION				REMARKS																											
TYPE & SN				DATA ON				Tape/Diskette ID				File Name/Header				Max Dep = 154																											
PRESS SN 53960				START DOWN								CAST 031.4																															
PRI TEMP SN 31321				AT DEPTH																																							
COND SN 40915				AT SURFACE																																							
SEC TEMP SN 710																																											

VESSEL NOAAS DISCOVERER		PROJ. & LEG D196-03		STA. DESIGNATION STA 33 HAUL 1																						
CONSC CAST #	LATITUDE		LONGITUDE			DATE JD= 120		TIME (GMT)	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID											
	DEG	MIN	DEG	MIN	DAY	MO	YR									HR	MIN									
033	58	57	06	N	15	14	8	62	W	29	APR	96	05	31	4.8	4.4	14	38	30	00	22	38	1	16	6	33-1
CTD		TIMES			JD/TIME			DATA LOCATION										REMARKS								
TYPE & SN		DATA ON			Tape/Diskette ID			File Name/Header										Max Temp = 15C								
PRESS SN 53960		START DOWN																								
PRI TEMP SN 31321		AT DEPTH																								
COND SN 40915		AT SURFACE																								
SEC TEMP SN 710																										
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA			SAL. BOT. #										OTHER SAMPLE								
		PRESS	TEMP.	SAL.	THERMP			SALINITY																		
1	503	51.646	5.2895	32.2323	1.586			2.100																		
2	40	40.648	5.2195	32.2080	2.333																					
3	30	31.059	5.2029	32.1817	1.836																					
4	20	21.231	5.2073	32.1592	2.045																					
5	10	10.261	5.2843	32.1543	1.300																					
6	10	2.551	5.2854	32.1548	1.941																					
7	0																									
8																										
9																										
10																										
11																										
12																										

VESSEL							PROJ. & LEG						STA. DESIGNATION																							
NOAAS DISCOVERER													STA 34 HAUL 1																							
CONSC CAST #							DATE JD= 120						TIME (GMT)		DRY BULB		WET BULB		WIND DIR.		WIN SP		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID							
LATITUDE							LONGITUDE						DEG MIN		DAY MO YR		HR MIN																			
DEG MIN							DEG MIN						15 149		09 30 12		27 44		47		30		1938		81		105		34-1							
00345852.74N							093012W						15149		093012		2744		47		30		1938		81		105		34-1							
CTD							TIMES						JD/TIME						DATA LOCATION						REMARKS											
TYPE & SN							DATA ON												Tape/Diskette ID						File Name/Header											
PRESS SN 53960							START DOWN																													
PRI TEMP SN 31321							AT DEPTH																													
COND SN 40915							AT SURFACE																													
SEC TEMP SN 710																																				
TRIP DEPTH							CONV. MON. VALUES-CTD						SAMPLE BOTTLE DATA						SAL. BOT. #						OTHER SAMPLE											
POS. 1 86							PRESS. 86.320						TEMP. 5.2454						SAL. 32.3381						THERMP 2.268 e r o o						Sal					
2																																				
3																																				
4																																				
5																																				
6																																				
7																																				
8																																				
9																																				
10																																				
11																																				
12																																				

VESSEL				PROJ. & LEG				STA. DESIGNATION															
NOAAS DISCOVERER				DI96-03				STA 35 HAUL 1															
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD= 120			TIME (GMT)		DRY BULB	WET BULB	WIND DIR.	WIND SP.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN												
035	50	48	87	N	15	15	31	W	29	A	08	9	6	07	4	1	3	8	1	11	8	35	1
CTD				TIMES			JD/TIME			DATA LOCATION			REMARKS										
TYPE & SN				DATA ON						Tape/Diskette ID			File Name/Header										
PRESS SN 53960				START DOWN																			
PRI TEMP SN 31321				AT DEPTH																			
COND SN 40915				AT SURFACE																			
SEC TEMP SN 710																							

$$\text{Max } Z = 105$$

VESSEL		NOAAS DISCOVERER		PROJ. & LEG		STA. DESIGNATION									
				BT-06-02 P196-03		STA 37 HAUL 1									
CONS C CAS T #	LATITUDE		LONGITUDE		DATE JD=120	TIME (GMT)	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG MIN	DEG MIN	DEG MIN	DEG MIN											
0375841.73	N	15200.39	W	29	APR	09	56	4.2	3.7	14	4	3	1	149	37-1
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN 92067		DATA ON				Tape/Diskette ID		File Name/Header							
PRESS SN 433K-023 532		START DOWN													
TEMP SN 880 31321		AT DEPTH													
COND SN 500 40915		AT SURFACE													
TEMP SN 701 710															
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		SAL. BOT. #		OTHER SAMPLE							
1	138	PRESS.	TEMP.	SAL.	FP-THERM-P	SALINITY									
2	40	138.831	5.3283	32.5877	2.2990100										
3	70														
4	20														
5	10														
6	0														
7															
8															
9															
10															
11															
12															

Fish returned with conductivity cell hose loose

VESSEL NOAAS DISCOVERER		PROJ. & LEG D196-03		STA. DESIGNATION STA 38 HAUL 1											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 120		TIME (GMT)		WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							
038	5	03	15	20	29	09	11	00	4.2	3.2	2	4	3	1	38-1
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header									
PRESS SN 53960		START DOWN													
PRI TEMP SN 31321		AT DEPTH													
COND SN 40915		AT SURFACE													
SEC TEMP SN 710															
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #		OTHER SAMPLE			
		PRESS.	TEMP.	SAL.		FL	TEMP	SALINITY							
1	50	49.265	5.6685	32.4132		1.737	et+00	3							
2	40	41.943	5.1160	32.4099		1.482									
3	30	32.632	5.2064	32.4130		1.821									
4	20	21.132	5.4240	32.3597		2.374									
5	10	11.004	5.4686	32.3445		1.788									
6	0	2.473	5.4575	32.3472		1.831									
7															
8															
9															
10															
11															
12															

