									da cou						
VESSE					PROJECT & L							STATI	ON DES	SIGNATION.	
NOAA :	Ship Osc	ar Dyson			DY 17-0	o LEG	邱					ļ	55	5.0 li	le
CONS CAST	# L	.ATITUDE	LON	NGITUDE	DATE JD=	TIME (GMT)	DRY BUL (AIR TEMP)	.B RELAT HUMID	AAI		TRUE WIND DIR.	TRUE WIND SPD.	CLOUD (amt TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY MO YR	HR MIN	 	(%)	(mb)	* *	(deg)	(kts)	* * *	(m)	
030	<u> 157</u>	30.1357N	1614	19.09W	2907 17	1403	11.2)		1// 1	4335	5.3		94.6	555.0
CTD			TIMES	JD/TI	ME			DATA LO	CATION				REMAR		
TYPE 8	k SN		DATA ON			Tape/Disl	kette/DVD) ID	File Nar	ne/Hea	der		- FO	a	
PRESS	SN 9	+ S/N 0772	START DO	OWN					CTD						
PRI CON	NDSN 4	C S/N 2985	AT DEPTH	 H											
PRI TEM	•	+ S/N 2376	AT SURFA	ACE								.	MAX. D	EPTH = QU	. () m
	*****	C S/N 3127													<u> </u>
SEC TE	MPSN 3	+ S/N 4379	∤ }	R S/N 70296 ORO S/N 2057	pH S/N ISUS S/N		\vdash	O2 S/N 196 O2 S/N 187		X Trar X ^{Altin}	neter Si			Cleaned air ble	ed valve
POS.	TRIP DEPTH (m)		CTD COI	NVERTED MONITOR	R VALUES						SAMPI	E BOT	TLE NUMBER	
		PRESSUF	RE I	PRI. TEMP.	SEC. TEMP.	PRI. SAI	LINITY	SEC. SA	LINITY	SAL	NO.	OXYG	EN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1										ļ					
2															
3										 					
4	······································									<u> </u>					
5 6										-					
7								······································							
8										<u> </u>			 		
9	•									<u> </u>				<u> </u>	
10				····				······································		†					
11		1													
12															

VESSEL NOAA Ship Osc	ar Dyson			PROJECT & I		-ITTE					STATI			SNATION B	W of)
DEG	ATITUDE MIN	DEG	ONGITUDE MIN	DATE JD=	TIME (GMT) HR MIN	DRY BUL (AIR TEMP) (°C)	RELATIVE HUMIDITY (%)	(mb)	* SEA STATE * VISIBILITY	TRUE WIND DIR. (deg)	WIND SPD. (kts)	* CLOUD (amt)	Т	BOTTOM DEPTH (m)	STA. NAME/ID
	29.943 N		24.8 GM		0715	12.0		1013		33).7	0.2	44	4	142.48	
CTD		TIMES	JD/T	IME	F 15:1	(ID) (D	DATA LOCAT					REMA	RKS	8	
TYPE & SN		DATA O			Tape/Disk	ette/DVD		e Nam	ne/He	ader					
	+ S/N 0772	START	-	· · · · · · · · · · · · · · · · · · ·			CTI	D			.				
_		AT DEP									.			100	1.6
		AT SUR	FACE									MAX. [DEP	TH = 129.	W m
	C S/N 3127 + S/N 4379	\Box	AR S/N 70296 LUORO S/N 2057	pH S/N ISUS S/N			D2 S/N 1961(1º D2 S/N 1875 (2	ŀ		ans S/N imeter S	/N 4740	₈ [Ci	leaned air ble	ed valve
POS. TRIP DEPTH (m)		CTD CO	NVERTED MONITOR	RVALUES						SAMPL	E BO	TTL	E NUMBER	
	PRESSUR	E	PRI. TEMP.	SEC. TEMP.	PRI. SAL	JNITY	SEC. SALINI	TY		NO.	OXYG	EN NO.		CHL (ml)	APPROX. FLUORO LEVEL
1 Portion									10	11			_		
2 (131)													+		
4													+		
5													+	····	
6													T		
7															
8															
9													\perp		
10									······································	·····			-		
11 12			·····										+		

Note: One Record was turned on at 10m, while the pumps were activating. It Accordes the up to the surface then Recorded Surface -> 131 (bottom) when a bottle was triped. The Data Recording (Seasone) program was turned off too early and did not log the entire up cast.

VESSEL NOAA Sh	nip Oscar	r Dyson			PROJECT & L	EG Obleg	中				STATION DES)9 (line)	
consc cast #	.i	ATITUDE MIN	DEG	NGITUDE MIN \ .CO6 W	DATE JD= DAY MO YR		RY BULE (AIR TEMP) (°C)	RELATIVE HUMIDITY	PRESSURE * SEA STATE * VISIBILITY	TRUE WIND DIR. (deg)	* * (Sty) * CLOUD (amt) * TYPE * WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
CTD		· ·	TIMES	JD/TI	ME		ı	DATA LOCATI	ON		REMAR	KS	
TYPE & S	SN		DATA ON			Tape/Disket	te/DVD I	ID File	Name/He	eader			
PRESS S	SN <u>9</u> +	S/N 0772	START DO	NWC				CTD			_		
PRI COND	SN 40	S/N 2985	AT DEPTH	4							_		
PRI TEMP	SN <u>3+</u>	S/N 2376	AT SURFA	ACE							MAX. DE	EPTH = 🕢 🛭	m
SEC CONE	D SN 40	S/N 3127	P		pang		_				_		
SEC TEMP	⊃SN <u>3</u> +	S/N 4379		R S/N 70296	pH S/N ISUS S/N		₩	2 S/N 1961(1°)	\mathbf{H}_{λ}	ans S/N timeter S		Cleaned air ble	d valve
POS.	TRIP	1	X FLU	ORO S/N 2057	ISOS S/IN IVERTED MONITOR	VALUES	^ o:	2 S/N 1875 (2°) X A		SAMPLE BOTT	FI E NI IMPED	
	PTH (m)			010 001	WEITTED MONITOR	VALUES					OMNIFEE DOT	ILE NOMBEN	
		PRESSUF	E I	PRI. TEMP.	SEC. TEMP.	PRI. SALIN	IITY	SEC. SALINIT	Y SA	AL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1													
2		l .											
3													
h													
4													
h													
4 5													
4 5 6													
4 5 6 7 8 9													
4 5 6 7 8													

- taker. ~15 in above depth(81m)

										•	
VESSEL NOAA Ship Oscal	r Dyson		PROJECT &	LEG - 06 leg III			STATION DES	SIGNATION			
	1 .44 N JE	LONGITUDE DEG MIN 5232.145 W MES JD/T	DATE JD= DAY MO YR	DRY BI) (%) (mb)	3 462	* (sty) * CLOUD (amt) * TYPE * WEATHER	(m) 158,1	STA. NAME/ID SCIAC ha		
TYPE & SN	DA	TA ON		Tape/Diskette/DV	/D ID File Na	me/Header	 				
PRESS SN 9+	S/N 0772 ST	ART DOWN			CTD						
PRI COND SN 4C	S/N 2985 AT	DEPTH					-				
PRITEMP SN 3+	S/N 2376 AT	SURFACE	· · · · · · · · · · · · · · · · · · ·				MAX DE	EPTH = Ï 4 9	m		
SEC COND SN 4C	S/N 3127						10000		111		
SEC TEMP SN 3+		X PAR S/N 70296 X FLUORO S/N 2057	pH S/N ISUS S/N	Ī▽	O2 S/N 1961(1°) O2 S/N 1875 (2°)	X Trans S/N X Altimeter S		Cleaned air blee	ed valve		
POS. TRIP DEPTH (m)		ста со	NVERTED MONITO	R VALUES			SAMPLE BOTT	TLE NUMBER			
	PRESSURE	PRI. TEMP.	SEC, TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL		
1											
3											
4											
5											
6										.•	
7											5
8										•	•••
9										·	
10											· .
11											•
12		1			l		1		1	•	•

and the control of t The control of the control of

VESSEL			PROJECT & I	.EG			STATION DES	IGNATION	······
NOAA Ship Osca	r Dyson			06 LEG III			line	_28.	
DEG	ATITUDE MIN 8.61 N	LONGITUDE DEG MIN	DATE JD= DAY MO YR WOZANGI	TIME (AIR TEMF HR MIN (°C)	(%) (mb)	TRUE WIND DIR. * * (deg)	* * (\$x)	BOTTOM DEPTH (m)	STA. NAME/ID
СТД		TIMES JD/	TIME		DATA LOCATION		REMAR		
TYPE & SN		DATA ON		Tape/Diskette/DV	D ID File Nar	ne/Header			
PRESS SN 9+	S/N 0772	START DOWN			CTD				
PRI COND SN 40	C S/N 2985	AT DEPTH	· · · · · · · · · · · · · · · · · · ·				•		
PRITEMP SN 3+	- S/N 2376	AT SURFACE				······································	MAX. DE	EPTH = 500	m
SEC COND SN 40	C S/N 3127						-		-
SEC TEMP SN 3+	- S/N 4379	X PAR S/N 70296	pH S/N	X	O2 S/N 1961(1°)	X Trans S/N		Cleaned air blee	d valve
		X FLUORO S/N 205	7 ISUS S/N	X	O2 S/N 1875 (2°)	X Altimeter Si	N 47408	l	
POS. TRIP DEPTH (m)		CTD C	ONVERTED MONITOR	RVALUES		Salinifi	SAMPLE BOTT 1 Bottle	TLE NUMBER サ203	/500m
	PRESSUR	RE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1 500M						203			
2					****	Sample.			
3 4					4	HT,			
5					``				<u> </u>
6									
7									<u> </u>
8									
9									
10									ļ
11 12					······································				
	i .	1	1	ı					1

VESSE	EL		1		PROJECT & I	FG			STATION DES	NONATION	·	1	,		
	Ship Osca	ar Dyson		,	DY - 17 -	LEG Db Leg III			(a) \ (b)	O line					
cons cast	# L/	ATITUDE MIN 05 N	DEG	NGITUDE MIN 4.06w	DATE JD=	DRY BUTTIME (AIR (GMT) TEMP	(%) (mb)	TRUE WIND DIR. * * (deg)	ID (amt)	BOTTOM DEPTH (m)	STA. NAME/ID				
CTD			TIMES	JD/T	IME		DATA LOCATION		REMAR						
TYPE 8	3. SN		DATA ON			Tape/Diskette/DV	'D ID File Nar	me/Header							
PRESS	SN 94	+ S/N 0772	START D	NWC			CTD								
PRI COI	ND SN 40	C S/N 2985	AT DEPTH	-t					-						
PRI TEM	MPSN 3+	+ S/N 2376	AT SURF	ACE					MAX. DE	PTH = 104	,15m				
SEC CO	NDSN 40	C S/N 3127													
SEC TE	MPSN 3+	+ S/N 4379	† 	S/N 70296 ORO S/N 2057	pH S/N ISUS S/N		O2 S/N 1961(1°) O2 S/N 1875 (2°)	X Trans S/N X Altimeter S	/N 47408	Cleaned air blee	d valve				
POS.	TRIP DEPTH (m)		t the state of the		NVERTED MONITOR	R VALUES			SAMPLE BOTT	LE NUMBER			•		ta.
	2 <u></u> 1 111 (111)														
		PRESSUR	E I	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL				
1															
2															
3 4															
5															
6													.*		
7												**	,	9.	
8 9															
10															
11							W.1. W.1.								
12															

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										•	
VESSEL NOAA S	Ship Oscar Dyson		PROJECT & I	LEG - ClolegIII			STATION DES				
consc cast#	LATITUDE DEG MIN		DATE JD= DAY MO YR	DRY BI TIME (AIR (GMT) TEMR HR MIN (°C)	JLB RELATIVE HUMIDITY (%) (mb)		D (amt)	BOTTOM DEPTH (m)	STA. NAME/ID		•
CTD		TIMES JD/T	IME ~		DATA LOCATION		REMAR	KS	1		
TYPE &	SN	DATA ON	·	Tape/Diskette/DV	DID File Na	me/Header					
PRESS S	SN 9+ S/N 0772	START DOWN			CTD						
PRI CONI	D SN 4C S/N 2985	AT DEPTH					_				
PRI TEMF	SN 3+ S/N 2376	AT SURFACE					MAX. DE	EPTH = 170, C	m		
SEC CON	ID SN 4C S/N 3127										
SEC TEMI	P SN 3+ S/N 4379	X PAR S/N 70296 X FLUORO S/N 2057	pH S/N ISUS S/N	X	O2 S/N 1961(1°)	X Trans S/N		Cleaned air blee	d valve		
	TRIP		NVERTED MONITOR	R VALUES	O2 S/N 1875 (2º)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	SAMPLE BOTT	TE NUMBER			•
DE	EPTH (m)						Or ann LL BOT	EL NOMBLIN	i		
									APPROX.		•
	PRESSU	IRE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OVVOEN NO	OLU /D	FLUORO	\$	
1			OLO. TEIVIT.	TIVI. SALINITE	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	LEVEL		
2											
3											
4											
5											
6										,•	
7											
8										••	
9											
11											,
12											

,

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VESSEL			+ IBBO IEGE 4					·	
	nip Oscar Dyson		PROJECT &	Ob leg III			STATION DE	SIGNATION 29,0	1119
037	LATITUDE DEG MIN 5836 .75 I		· · · · · · · · · · · · · · · · · · ·	DRY B TIME (AIF (GMT) TEM HR MIN (°C)	(%) (mb	TRUE WIND DIR. * * (deg)	TRUE DOUG amt) CCOUD (amt) (kts) * * *	BOTTOM DEPTH (m)	STA. NAME/ID 29,0)1110
CTD		TIMES JE)/TIME		DATA LOCATION		REMAI	RKS	
TYPE & S	SN .	DATA ON		Tape/Diskette/DV	DID File Na	me/Header			
PRESS SI	N 9+ S/N 0772	START DOWN			CTD				
PRI COND	SN 4C S/N 2985	AT DEPTH							
PRI TEMP S	SN 3+ S/N 2376	AT SURFACE					MAX. D	EPTH = 181	, Z m
SEC TEMP	SN 4C S/N 3127 SN 3+ S/N 4379	X PAR S/N 70296 X FLUORO S/N 208	pH S/N ISUS S/N	X	O2 S/N 1961(1º) O2 S/N 1875 (2º)	X Trans S/N X Altimeter S	S/N 47408	Cleaned air bl	
DEF	PTH (m)						SAIMF LE BOT	TLE NOWBER	APPROX.
1	PRESSU	RE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	FLUORO LEVEL
2									
3									
4									
5 6									
7									
8				3					
9									
10							-		
12									

VESSEL NOAA Ship Osc	car Dyson		PROJECT &	LEG Ob legill			STATION DE	ESIGNATION	
CONSC CAST # DEG	LATITUDE MIN	LONGITUDE DEG MIN 1 14929 .42	DATE JD= DAY MO YR W 06 AXG 17	TIME (A	°C) (%) (mb		TRUE (I	BOTTOM DEPTH (m)	STA. NAME/ID
CTD			/TIME	11 00 10	DATA LOCATION			, , , , , , , , , , , , , , , , , , ,	OSO MIC
TYPE & SN		DATA ON	, , , , , , , , , , , , , , , , , , , ,	Tape/Diskette/		r ame/Header	REMA	RKS	
PRESS SN 9	9+ S/N 0772	START DOWN		, aporbionation	CTD	ame/neader			
PRICONDISN 4	4C S/N 2985	AT DEPTH			CID		-		
PRITEMP SN 3	3+ S/N 2376	AT SURFACE					- MAX F	DEPTH = 137	77
SEC COND SN 4	IC S/N 3127						JIVI/OX. L	DCF 111 - 10 /	_ >
SEC TEMP SN 3	3+ S/N 4379	X PAR S/N 70296 X FLUORO S/N 205	pH S/N ISUS S/N		X O2 S/N 1961(1°) X O2 S/N 1875 (2°)	X Trans S/N x Altimeter S		Cleaned air ble	eed valve
POS. TRIP DEPTH (m	1)	CTD C	ONVERTED MONITOR	RVALUES			SAMPLE BOT	ITLE NUMBER	ε
1 Bottom	PRESSUR	RE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1 (133)						204			
3									
4									
6									
7	 								
8									
9									
10									
11 12									
144	Ш		<u> </u>						

LICCOLL			T		TREO JEON			· · · · · · · · · · · · · · · · · · ·					Tomas .				
VESSEL NOAA Sh	in Occa	r Ducon			PROJECT			-11-					SIAIR	OS OS		NATION	
NOAA SI	iip Osca	Dyson	 		11/1-11	1- 0	b leg=			γ		r			>!	line	
CONSC CAST#	L	ATITUDE	L	ONGITUDE	DATE JD=		TIME (GMT)	DRY BUI (AIR TEMP)	RELATIVE	PRESSURE	SEA STATE VISIBILITY	TRUE WIND DIR.	TRUE SWIND OF	TYPE		BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY MO	YR	HR MIN	(°C)	(%)	(mb)	* *	(deg)	(kts) *	* * *		(m)	
039	533	2.21 N	149	36.21 w	D7 AU9		0639	13.8		1019		135	7.6		-		031 line
CTD			TIMES	JD/Ti	ME				DATA LOCA	TION			F	REMA	RKS		
TYPE & S	SN .		DATA O	N	······································		Tape/Disk	ette/DVE	DID File	e Nan	ne/He	ader					
PRESS S	N 9+	S/N 0772	START	DOWN					<u>CT</u>	D			-				
PRI COND	SN 40	C S/N 2985	AT DEP	TH					· · · · · · · · · · · · · · · · · · ·				-				
PRI TEMP	SN <u>3+</u>	- S/N 2376	AT SUR	FACE	•								٨	MAX. [DEPT	TH = 107	∍∫ m
SEC COND	SN 40	C S/N 3127			·····						_						-
SEC TEMP		- S/N 4379	1	AR S/N 70296 UORO S/N 2057	pH S/N ISUS S	5/N		<u> </u>	O2 S/N 1961(1 O2 S/N 1875 (2			ans S/N imeter S				eaned air ble	ed valve
	TRIP PTH (m)			CTD COI	NVERTED MONI	ITOR	R VALUES						SAMPL	E BO	TTLE	NUMBER	
		PRESSUF	₹E	PRI. TEMP.	SEC. TEMP.		PRI. SAL	.INITY	SEC. SALIN	ITY	SA	L. NO.	OXYGE	EN NO.		CHL (ml)	APPROX. FLUORO LEVEL
1																	
3					•								ļ	·····			
4															-		
5					***												
6)											1		
7															1		
8															<u> </u>		
9																	
10																	
11																	
12																	

VESSEL			PR	OJECT & LEG			STATION DES	SIGNATION		1		•	
NOAA SI	nip Oscar Dyson			1-17-06 LegI	Ţ.l		032	line					
CONSC CAST#	LATITUDE DEG MIN 59 06.35	LONGITU DEG MI N 14837:		E JD= (GMT) MO YR HR MIN	PRY BULB (AIR RELATIVE HUMIDITY (°C) (%) 14.3 96.0	TRUE SEA STATE (deg) * (deg) * (deg)	(sty) * * (CLOUD (amt) * WEATHER		sta. name/id 32 line		,		
CTD		TIMES	JD/TIME	9	DATA LOCAT	ION	REMAR	KS					
TYPE & S	SN	DATA ON		Tape/Diske	tte/DVD ID File	Name/Header							
PRESS S	SN 9+ S/N 0772	START DOWN			СТІ)							
PRI CONE	SN 4C S/N 2985	AT DEPTH	***************************************										
PRI TEMP	sn 3+ S/N 2376	AT SURFACE				***************************************	MAX. DI	EPTH = \ 7\ ,	\ m				
SEC CON	D SN 4C S/N 3127		7										
SEC TEMP		X PAR S/N 7	`	pH S/N ISUS S/N	X O2 S/N 1961(1° X O2 S/N 1875 (2'	Altimator		Cleaned air blee	d valve	,		,	
	TRIP PTH (m)		CTD CONVERTED	MONITOR VALUES			SAMPLE BOT	TLE NUMBER					
	PRESS	JRE PRI. T	EMP. SEC.	TEMP. PRI. SALII	NITY SEC. SALINI	TY SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL				
1													
2													
3 4													
5													
6												.•	
7											-,		
8							ļ			_		•••	
9 10												,	
11													
12								- · · · · · · · · · · · · · · · · · · ·					

VESSEL		1	IDDO JEON A		····					•		
	nip Oscar Dyson		DVI - 17-	LEG Do Leg III			STATION DES	SIGNATION			•	
CONSC CAST#		LONGITUDE	DATE JD=	DRY BL TIME (AIR (GMT) TEMF	JLB S S S S S S S S S S S S S S S S S S S	SEA STATE VISIBILITY DAIN BILITY ON BILITY	JD (amt)		STA. NAME/ID			
	DEG MIN	DEG MIN	DAY MO YR		(%) (mb)		(kts) * * *	(m)	(4) ((4)(1)			
041	5941.761	14924.201	NO9 AUG 17	03 18 14.	8 81.0 122	99,2	14.		33Z.I			
CTD		TIMES JD/	TIME		DATA LOCATION		REMAR	KS	,			
TYPE & S	SN	DATA ON	**************************************	Tape/Diskette/DV	DID File Nar	me/Header						
PRESS S	SN 9+ S/N 0772	START DOWN			CTD							
PRI COND	SN 4C S/N 2985	AT DEPTH										
PRI TEMP	SN 3+ S/N 2376	AT SURFACE					MAX. DI	EPTH = 151.	.6 m			
SEC CON	OSN 4C S/N 3127											
	P SN 3+ S/N 4379	X PAR S/N 70296 X FLUORO S/N 2057	pH S/N ISUS S/N	U	O2 S/N 1961(1º) O2 S/N 1875 (2º)	X Trans S/N X Altimeter S	S/N 47408	Cleaned air blee	ed valve			
			3 1		02 3/14 10/3 (Z)	{∧ 						
	TRIP PTH (m)		ONVERTED MONITO	R VALUES	02 3/14 10/3 (2)		SAMPLE BOT	TLE NUMBER				
	TRIP PTH (m)			R VALUES	02 3/14 10/3 (2)			TLE NUMBER				
		CTD CC		R VALUES PRI. SALINITY	SEC. SALINITY	SAL. NO.		TLE NUMBER CHL (ml)	APPROX. FLUORO LEVEL			
DE	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3 4	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3 4 5	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3 4 5 6	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3 4 5 6 7 8 9	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3 4 5 6 7 8 9 10	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			
1 2 3 4 5 6 7 8 9	PTH (m)	CTD CO	ONVERTED MONITO	RVALUES			SAMPLE BOT		FLUORO			

VESSEL				<u> </u>
NOAA Ship Oscar Dyson	PROJECT &	LEG ###	STATION DESIGNATION	
CONSC CAST # LATITUDE DEG MIN OHZ 600 . \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LONGITUDE DATE JD= DEG MIN DAY MO YR N 14 643.62 w 10 Aug 1	DRY BULB TIME (AIR RELATIVE L) (GMT) TEMP) HUMIDITY	TRUE TRUE ON DEPTH STA. NAME/ID TRUE TRUE ON DEPTH NAME/ID TRUE OF COOLD (am) TRUE	
TYPE & SN	DATA ON	Tape/Diskette/DVD ID File Na	ame/Header	
PRESS SN 9+ S/N 0772	START DOWN	CTD		
PRI COND SN 4C S/N 2985	AT DEPTH			
PRI TEMP SN 3+ S/N 2376	AT SURFACE		MAX. DEPTH = 100. 9 m	
SEC COND SN 4C S/N 3127				1
SEC TEMP SN 3+ S/N 4379	X PAR S/N 70296 ph S/N X FLUORO S/N 2057 ISUS S/N	X O2 S/N 1961(1°) X O2 S/N 1875 (2°)	X Trans S/N Cleaned air bleed valve Altimeter S/N 47408	•
POS. TRIP	CTD CONVERTED MONITO		SAMPLE BOTTLE NUMBER	
DEPTH (m)				
Surface PRESSI	JRE PRI. TEMP. SEC. TEMP.	PRI. SALINITY SEC. SALINITY	SAL. NO. OXYGEN NO. CHL (ml) APPROX. FLUORO LEVEL	
1 (5m)			2.65	
3				
4				
5				
6				
7				
8				1
9				
10				,
11 12				

VESSEL		PROJECT &	TEG			10-17:01:-		
NOAA Ship Oscar Dyson		04-17-		STATION DESIGNATION				
CONSC CAST # LATITUDE DEG MIN O43 59 28.79 N CTD			DRY B TIME (AIF (GMT) TEM HR MIN (°C)	ULB R RELATIVE HUMIDITY (%) (mb		* * CLOUD (amt) TYPE WEATHER	(m)	STA. NAME/ID
	TIMES JD/TIN	ME		DATA LOCATION		REMAR	KS	
TYPE & SN	DATA ON		Tape/Diskette/DV	DID File Na	me/Header			
PRESS SN 9+ S/N 0772	START DOWN			CTD				
	AT DEPTH					_		
	AT SURFACE					MAX. DE	EPTH = 160	, 2. m
SEC COND SN 4C S/N 3127		_						
POS. TRIP DEPTH (m)	X PAR S/N 70296 X FLUORO S/N 2057 CTD CON	pH S/N ISUS S/N VERTED MONITOR	X	O2 S/N 1961(1°) O2 S/N 1875 (2°)	X Trans S/N X Altimeter S	/N 47408 SAMPLE BOTT	Cleaned air blee	ed valve
PRESSURI	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL, NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
2								
3								
4								
5								
6								
7 8								
9								
10								
11						· ·		
		!			- 1	i		

VESSEL NOAA Sh	ip Osca	r Dyson	PROJECT & LE					& LEG STATION DESIGNATION - Clo Leg III 037 line							
	DEG	ATITUDE MIN 28 N	LC DEG	ongitude Min 28.24 w	DATE JD= DAY MO YR 12 AUG \	TIME (GMT) HR MIN	DRY BUL (AIR TEMP) (°C)	RELATIVE HUMIDITY (%)	3 PRESSURE		TRUE WIND DIR. (deg)	TRUE SUMMER SPD. (kts)	⊋l T		STA. NAME/ID O37 \ne
СТД			TIMES	JD/T	ME			DATA LOCAT	TION	Lh		\ _F	REMAR	iks	
TYPE & S	N		DATA O	N		Tape/Disk	ette/DVD	ID File	e Nam	e/Hea	ader				
PRESS SI	V 9+	S/N 0772	START	DOWN	,			СТІ	D			_			
PRI COND	SN <u>40</u>	S/N 2985	AT DEP	TH											
PRI TEMP S	SN <u>3+</u>	S/N 2376	AT SUR	FACE									MAX. D	EPTH = 130	» m
SEC COND	SN 40	S/N 3127	F1		,,,,,,,		,		,	-				_	
SEC TEMP	SN <u>3+</u>	S/N 4379		AR S/N 70296	pH S/N ISUS S/N		ХС	02 S/N 1961(19	°)	X Trai	ns S/N		Ĺ	Cleaned air ble	ed valve
POS.	TRIP	<u> </u>	X FL	UORO S/N 2057	NVERTED MONITOR) VALUE C	^ c)2 S/N 1875 (2	20)	X		/N 4740		T) E AULMORO	
	PTH (m)			CIDCO	NVERTED MONTOR	(VALUES						SAMPL	E RO1	TLE NUMBER	
								***************************************							APPROX.
		PRESSUR	Ε	PRI. TEMP.	SEC. TEMP.	PRI. SAL	INITY	SEC. SALINI	TY	SAL	NO.	OXYGE	EN NO.	CHL (ml)	FLUORO LEVEL
1															
2															
3 4												<u> </u>			
5								V. I i 							
6															
7															
8										· ·					
9															
10								···					· · · · · · · · · · · · · · · · · · ·		
12															

VESSEL.			PROJECT & I	LEG Ob Leg III			STATION DES	IGNATION		,
NOAA Ship Osc	ar Dyson		101-11-	· 06 Leg H+ 1		1 1 1 1	05	Thine		
DEG	LATITUDE MIN	LONGITUDE DEG MIN 1428.17 W	DATE JD= DAY MO YR VI3 AVG 17	DRY BL TIME (AIR (GMT) TEMF HR MIN (°C) 05 38 13 .	(%) (mb)	TRUE WIND DIR. * * (deg)	WIND O H SPD. 13 L X	(m)	STA. NAME/ID	
СТВ		TIMES JD/T	ime ,		DATA LOCATION		REMAR	KS		
TYPE & SN		DATA ON		Tape/Diskette/DV	D ID File Nar	ne/Header				
PRESS SN 9)+ S/N 0772	START DOWN			CTD					
-		AT DEPTH	······································				-			
_		AT SURFACE			· · · · · · · · · · · · · · · · · · ·		- MAX DE	EPTH = 188	,S m	
SEC COND SN 4		711 00111 7102	····				140 V. DE			
SEC TEMP SN 3	3+ S/N 4379	X PAR S/N 70296 X FLUORO S/N 2057 CTD CC	pH S/N ISUS S/N	X	O2 S/N 1961(1°) O2 S/N 1875 (2°)	X Trans S/N X Altimeter S		Cleaned air blee	d valve	
DEPTH (m	ווי									
	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL	
1										
2										
3						:				
5				-						
6								1		
7										
8										•
9										
10										
11										
12										

VESSEL	PROJEC	TOLEC	
NOAA Ship Oscar Dyson	DY-1		STATION DESIGNATION
CONSC CAST# LATITUDE DEG MIN CONSCIPLINATION	LONGITUDE DATE JD= DEG MIN DAY MO 14110.23w14AUG	/ / / / / / / / / / / / / / / / / / / /	TRUE TRUE ON DIR. SPD. DIR
СТД	TIMES JD/TIME	DATA LOCATION	
TYPE & SN	DATA ON		ame/Header
PRESS SN 9+ S/N 0772	START DOWN	CTD	
PRI COND SN 4C S/N 2985	AT DEPTH		
PRI TEMP SN 3+ S/N 2376	AT SURFACE		MAX. DEPTH = 270,7 m
SEC COND SN 4C S/N 3127 SEC TEMP SN 3+ S/N 4379 POS. TRIP DEPTH (m)	X PAR S/N 70296 pH S/N X FLUORO S/N 2057 ISUS S CTD CONVERTED MON	/N X O2 S/N 1875 (2°)	X Trans S/N Cleaned air bleed valve X Altimeter S/N 47408 SAMPLE BOTTLE NUMBER
BTVM PRESSUR	E PRI. TEMP. SEC. TEMP	PRI. SALINITY SEC. SALINITY	SAL. NO. OXYGEN NO. CHL (ml) APPROX. FLUORO LEVEL
1 (ZTIm)			206
3			
4			
5			
6			
7			
9			
10			
11			
12			

en de la composition La composition de la

					•	•	•
VESSEL NOAA Ship Oscar Dyson	PROJECT	RLEG 7-06 Legit	STATION DES	GIGNATION On Kalsin Bay			•
CONSC LATITUDE DEG MIN HT 5735.15	LONGITUDE DATE JD= DEG MIN DAY MO Y 1 15225.35 W 15AVG 1	TIME (AIR RELATIVE BY HUMIDITY & COOK (Mb)	SEA STATE VISIBILITY VISIBILITY ON MANA CLOUD (amt) TYPE WEATHER			•	
CTD	TIMES JD/TIME	DATA LOCATION	REMAR	KS	·	·	·
TYPE & SN	DATA ON	Tape/Diskette/DVD ID File Nan	ne/Header				
PRESS SN 9+ S/N 0772	START DOWN	СТД					
PRI COND SN 4C S/N 2985	AT DEPTH						
PRI TEMP SN 3+ S/N 2376	AT SURFACE		MAX. DE	EPTH=32.6\ m			
SEC COND SN 4C S/N 3127		_					
SEC TEMP SN 3+ S/N 4379	X PAR S/N 70296 ph S/N	. 57		Cleaned air bleed valve		•	
POS. TRIP	X FLUORO S/N 2057 ISUS S/I	UZ S/N 10/3 (Z*)	X Altimeter S/N 47408 SAMPLE BOTT	FLE NILIMOED			
DEPTH (m)	CID CONVERTED MONTE	OR VALUES	SAMPLE BOT	ILE NUMBER			
PRESSU	RE PRI. TEMP. SEC. TEMP.	PRI. SALINITY SEC. SALINITY	SAL. NO. OXYGEN NO.	APPROX. FLUORO CHL (ml) LEVEL			
2							
3					•		
4							
5							
7					*	*	. *
8							
9							
10							
11						•	,
12			[·	•	•