VESSEL	N Oscar i	Dyeon			PRO DY1:	JECT & I	_EG eg 1				_		STATI	ON DES	SIGNATION		
CONSC							DR'		RELATIVE	RESSURE	SEA STATE VISIBILITY	TRUE WIND	TRUE !	CLOUD (amt) TYPE WEATHER	воттом		
CAST#		TITUDE		LONGITUDE	DATE		` /		HUMIDITY		<u>ω </u>	DIR.	SPD.	<u> </u>	DEPTH	NAME/ID	┥
		MIN	DEG		DAY M			(°C)	(%)	(mb)		(deg)	(1/19)		(m)		_
100	550	5.62 N	15	726.75	N25 0	8 1 3	023/13	3	89.0	1 3		200	09		10186	-06	4
CTD			TIMES	JD/	TIME			D/	ATA LOCAT	ION			ļ	REMAR	KS		
TYPE & S	SN		DATA	ON		_	Tape/Diskette	/DVD ID) File	Nam	e/He	ader	•				_
PRESS S	SN <u>9+</u>	S/N 0772	STAR	T DOWN		-	DY1308			CTD			_				
PRI CONE	SN <u>40</u>	S/N 2985	AT DE	PTH		-							.				
PRI TEMP	SN 3+	S/N 2376	AT SU	RFACE										MAX. D	EPTH =	<u>m</u>	_
SEC CON	DSN 4C	S/N 3127			**	on prima	ry T/C**										
		S/N 4379		PAR S/N 70281	×ν	ETStar F	LUOR S/N 868	X O2	S/N 0904 (n	ıri)	x 102	S/N 19	31 (sec)		Cleaned air	bleed valve	
SEC LEIVII	P 3N 37	3/N 43/9	1 1-1		<u>~</u>	Liotaii	20011 0311 000	77	O (P	",	<u> </u>		. (555)				- 1
DOC I	TOID 1		X.	ALTIMETER	ONVERTER	MONITO	D VALUES						SAMPI	F BOT	TI E NUMBE	·R	\dashv
	TRIP EPTH (m)		X		ONVERTED	MONITO	R VALUES	·-					SAMPI	E BOT	TLE NUMBE	R	\parallel
			91	CTD C					SEC. SALINI	TY	SA	L. NO.		E BOT	TLE NUMBE	APPROX FLUORO	
DE	EPTH (m)	PRESSUF	91		ONVERTED SEC. 1		PRI. SALINIT	Y S	SEC. SALINI	ΙΤΥ			OXYG	EN NO.	<u> </u>	APPROX FLUORO	
1 DE	PTH (m)		91	CTD C				Y S	SEC. SALINI	ITY	sa * a5			EN NO.	<u> </u>	APPROX FLUORO	0
1 2	76 50		91	CTD C				Y S	SEC. SALINI	ITY			OXYG	EN NO.	CHL (m	APPROX FLUORO	0000
1 2 3	76 50		91	CTD C				Υ 5	SEC. SALINI	TY			OXYG	EN NO.	CHL (m	APPROX FLUORO	. 2
1 2 3 4	76 50		91	CTD C				Y S	SEC. SALINI	ITY			OXYG	EN NO.	CHL (m	APPROX FLUORO	0000
1 2 3 4 5 5	76 50 40 20		91	CTD C				-Y §	SEC. SALINI	ITY			OXYG	EN NO.	CHL (m \39 \38 \38	APPROX FLUORO	N 0 0 0 0
1 2 3 4 5 5	76 50		91	CTD C				YS	SEC. SALINI	ITY			OXYG	EN NO.	CHL (m \39 \38 \38 \39	APPROX FLUORO	000000000000000000000000000000000000000
1 2 3 4 5 6	76 50 40 20		91	CTD C				Y S	SEC. SALINI	TY			OXYG	EN NO.	CHL (m 139 138 138 139	APPROX FLUORO	N 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1 2 3 4 5 6 7	76 50 40 20		91	CTD C				YS	SEC. SALINI	ITY			OXYG	EN NO.	CHL (m 139 138 138 139	APPROX FLUORO	N 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1 2 3 4 5 6 7 8	76 50 40 20		91	CTD C				Y S	SEC. SALINI	TY			OXYG	EN NO.	CHL (m 139 138 138 139	APPROX FLUORO	N 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1 2 3 4 5 6 7 8 9	76 50 40 20		91	CTD C				YS	SEC. SALINI	ITY			OXYG	EN NO.	CHL (m 139 138 138 139	APPROX FLUORO	N 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

VESSEL NOAA R/V	/ Oscar i	Dvson			PROJECT & DY1308 L	LEG eg 1				STAT	ION [DESI	GNATION		
CONSC CAST#	LA	TITUDE		LONGITUDE	DATE JD=	TIME (,	BULB AIR RELATIVI MP) HUMIDIT	<u>د این ></u>	TRUE WIND DIR.	TRUE WIND SPD.	* CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
		MIN 9 29 N	DEG	727.49 v	DAY MO YR		°C) (%)	(mb) * *	(deg)	(kts)	+	╫	(m) Q8 9	070	d
CTD			TIMES		rime		DATA LOC	ATION	1-1-1-	,	REM	IARK		, , , ,	
TYPE & SI	N		DATA	ON		Tape/Diskette/	DVD ID F	ile Name/H	eader						
PRESS SN	N <u>9+</u>	S/N 0772	STAR	T DOWN		DY1308		CTD		-		*****			
PRI COND S	SN <u>4C</u>	S/N 2985	AT DE	PTH						-					
PRI TEMP S	SN <u>3+</u>	S/N 2376	AT SU	RFACE							MAX	. DE	PTH =	m	4
	TRIP PTH (m)	· · · · · · · · · · · · · · · · · · ·	-	PAR S/N 70281 ALTIMETER CTD CO	ONVERTED MONITO	FLUOR S/N 868 R VALUES						ОТТ	LE NUMBER		
		PRESSUF	RE	PRI. TEMP.	SEC. TEMP.	PRI. SALINIT	Y SEC. SALI	NITY S	AL. NO.	охус	SEN N	1 0.	CHL (ml)	APPROX. FLUORO LEVEL	Λ
	30							• 6	52			4			
	20				 									+	-
2 I 4	47 I					i	1								
	40 30			· · · · · · · · · · · · · · · · · · ·											_ •,
4 3 5 6	30 20														_•
4 3 5 3 6 7	30 20 10														
4 2 5 3 6 7	30 20														_•
4 2 5 6 7 7	30 20 10														
4 2 5 6 7 9 8	30 20 10														

VESSEL NOAA R		r Dyson			PROJECT & I	LEG eg 1			STATION DE	SIGNATION		
CONSC CAST#				ONOITHINE		DRY	IR RELATIVE	PRESSURE SEA STATE VISIBILITY	D WINDSIE	BOTTOM DEPTH	STA. NAME/ID	
CASI#	DEG	ATITUDE MIN	DEG	ONGITUDE	DATE JD=			(mb) * * (de	g) (kts) * * *	(m)	IAVIAIPID	\dashv
003	1	34.02 N	1		<u> </u>		.a85.	11 25		99		
CTD			TIMES	JD/I			DATA LOCAT	TION	REMAR	RKS		
TYPE &	SN		DATA C	ON		Tape/Diskette/[OVD ID File	e Name/Header	brooms block in a second			
PRESS S	SN <u>9</u>	+ S/N 0772	START	DOWN		DY1308		CTD 003				
PRI CON	_	C S/N 2985	AT DEP				·		_	man produced specials of April 1964 (1964)		
PRI TEMF	'SN 3	s+ S/N 2376	AT SUR	RFACE					MAX. D	EPTH =	m	4
POS.	TRIP EPTH (m	1)	X A	LTIMETER CTD CC	ONVERTED MONITO	R VALUES			SAMPLE BOT	TLE NUMBER	-	
		PRESSU	RE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALIN	ITY SAL. NO	. OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL	
1 80	90	12553.	-					• 253	. 10			a a
2	75											_ 2
3	50									139		5
4	40									138		_ 2
5	30	<u> </u>								1.738	<u> </u>	- 3 3
6	90					<u> </u>				. 139		-
7	10									139		- 2
8	0		-						_	139	 	- 1 "
9		-		ŧ			-					\dashv
10		II .	- 1		1	I		t				⊣
11											·	

/ESSEL	V Oscar Dy	vson					PROJEC									ST	ATIO	N DES	SIGN	ATIO	N		
CONSC CAST#	LATI DEG M	ITUDE AIN	DEG	ONGITUD	ı	D/ DAY	ATE JD:	= YR	TIME (GMT) HR MIN		R	RELATIVE HUMIDITY (%)	a PRESSURE	* SEA STATE * VISIBILITY	TRUI WINI DIR (deg) (k	(s) *	* TYPE * WEATHER	B(OTTO DEPTI (m)		STA NAME	
CTD	12:514:0	2: • : 1 : 1 : 1	TIMES		JD/T		(0,0	1,0	1 1 1	1,000	DA1	TA LOCAT	ION		0401	· -		EMAR	KS		1 1	.!_ - -	,
TYPE & S	SN		DATA	ON					Tape/Disk	ette/DV	D ID	File	e Nar	ne/He	eader								
PRESS S	SN 9+ S	S/N 0772	START	DOWN					DY13	308		_	CTD	00	4	_							
PRI COND	SN 4CS	S/N 2985	AT DE	PTH					_			- 			-								
PR! TEMP	SN 3+ S	S/N 2376	AT SU	RFACE													м	AX. DI	EPT	 =		m	
SEC TEM!	PSN 3+ S	S/N 4379	∙ ⊢	PAR S/N 70		2	WETS	Star Fi	LUOR S/N	868 X	02 S	S/N 0904 (p	ori)	ХО	2 S/N 1	961 (sec)	L	Clea	ned a	ir blee	d valve	
POS.	TRIP EPTH (m)	S/N 4379	∙ ⊢	LTIMETER	₹				LUOR S/N	868 <u>X</u>	O2 S	5/N 0904 (p	ori)	X 0	2 S/N 1			ВОТ	4			d valve	
POS.	TRIP	S/N 4379 PRESSUR	X/	LTIMETER	R CTD CO	NVERT		NITOF			- 	E/N 0904 (p			2 S/N 1	SA		BOT	TLE		BER	APPI FLU	ROX. ORO
POS. DE	TRIP EPTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN				SA	MPLE	BOT	TLE	NUMI	BER	APPI FLU	ROX. ORO
POS. DE	TRIP EPTH (m)		RE	ALTIMETEF (CTD CO	NVERT SE	ED MON	NITOF	R VALUES	LINITY	SE					SA	MPLE	BOT	TLE	NUMI	BER	APPI FLU	ROX. ORO
1 2 - 3 (4)	TRIP EPTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN				SA	MPLE	BOT	TLE	CHL (BER	APPI FLU	ROX. ORO
1 2 3 4 4	TRIP EPTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN				SA	MPLE	BOT	TLE	NUMI	ml)	APPI FLU	ROX. ORO
1 2 - 3 4 N 5 - 7	TRIP EPTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN				SA	XYGE	BOT	TLE	CHL (SER (ml)	APPI FLU	ROX. ORO
1 2 - 3 4 N 5 - 7	TRIP EPTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN		SA	AL. NO.	SA	MPLE	BOT	TLE	CHL (SER (ml)	APPI FLU	ROX. ORO
1 2 - 3 4 1 5 6 7 8	TRIP = PTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN		SA		SA	XYGE	BOT	TLE	CHL (SER (ml)	APPI FLU	ROX. ORO
1 2 3 4 1 5 6 7 8 9	TRIP EPTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN		SA	AL. NO.	SA	XYGE	BOT	TLE	CHL (SER (ml)	APPI FLU	ROX. ORO
1 2 - 3 4 1 5 6 7 8	TRIP EPTH (m)		RE	ALTIMETEF (PRI. TE	CTD CO	NVERT SE	ED MON	NITOF	PRI. SA	LINITY	SE	EC. SALIN		SA	AL. NO.	SA	XYGE	BOT	TLE	CHL (SER (ml)	APPI FLU	ROX. ORO

VESSEL NOAA R	IV Oscar I	Dyson			PROJECT & L	.EG eg 1					30		ESIGNATION		
CONSC CAST#	LA DEG	ATITUDE MIN	DEG	ONGITUDE MIN	DATE JD= DAY MO YR	TIME (GMT) T	(BULB AIR RELATIVE EMP) HUMIDITY (°C) (%)	O 3 PRESSURE	* SEA STATE * VISIBILITY	TRUE WIND DIR. (deg)	TRUE WIND SPD. (kts)	* CLOUD (amt)	* (m)		STA. NAME/ID
CTD	10:0°C	2.53 N	TIMES	JD/TI		131912	DATA LOCA		1_1	<u> </u>		REM	ARKS	01 1	
TYPE &	SN		DATA O		HAIL	Tape/Diskette		le Nan	ne/He	ader			VOTE V	01-	CHNG
PRESS		S/N 0772	START		·····	DY1308				5			2 m 02		
PRI CONI	_		AT DEP	TH									only)		
PRI TEME	— PSN 3+	S/N 2376	AT SUR	FACE								MAX.	DEPTH =		m
POS.	TRIP		. —	AR S/N 70281 LTIMETER CTD CO	X WETStar F		X O2 S/N 0904	(pri)	X 02			·	Cleaned air		valve
1 1	EF 117 (III)														
	EF16 (III)		RE	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	SAI	L. NO.	OXYG	EN N	O. CHL (m	nl)	APPROX. FLUORO LEVEL
1 \	09	PRESSUR	RE	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	SAI	L. NO.	OXYG		O. CHL (n	ıl)	FLUORO LEVEL
2	100		RE	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	SAI	L. NO.			O. CHL (n	nl)	FLUORO LEVEL
3	09 100 75		RE_	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	SAI	L. NO.					FLUORO LEVEL
3 4	09 100 75		RE .	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	SAI	L. NO.			385	*	FLUORO LEVEL
3	09 100 75 50 40		RE	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	SAI	L. NO.				*	FLUORO LEVEL
2 3 4 5	09 100 75		RE_	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	w .				383	* * * * * * * * * * * * * * * * * * *	FLUORO LEVEL
2 3 4 5 6	09 100 750 40 30		RE_	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALII	NITY	SAI				285 283 283 283 285) > >	FLUORO LEVEL
2 3 4 5 6 7 8 9	09 100 750 70 70 70 70		RE .	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	w .				383 383 383) > >	FLUORO LEVEL
2 3 4 5 6 7 8	09 100 75 50 40 30 30		RE.	PRI. TEMP.	SEC. TEMP.	PRI. SALINI	Y SEC. SALIF	NITY	w .				285 283 283 283 285) > >	FLUORO LEVEL

VESSEL NOAA R/	V Oscar i	Dyson			PROJECT & L DY1308 Le	EG g 1			I	STATION DES		
CONSC CAST#	LA	ATITUDE		NGITUDE	DATE JD=	DRY B TIME (AIF (GMT) TEM	RELATIVE P) HUMIDITY		TRUE WIND DIR. (deg)	* (sta) (smt) (smt	BOTTOM DEPTH (m)	STA. NAME/ID
		MIN	DEG	MIN	DAY MO YR		200		123	0 2	1 4 6	
CTD	1261	D: · MITIN	TIMES	JD/T		155512	DATA LOCAT			REMARK	KS	<u> </u>
	201				IIVIE	Tape/Diskette/D\		e Name/Hea	oder			
TYPE & S			DATA ON				יווים טוטע					
PRESS S		- S/N 0772	START D			DY1308		CTDOOL	2	10 mm Aver		
PRI COND	SN <u>40</u>	S/N 2985	AT DEPTI	H								
PRI TEMP	SN <u>3+</u>	S/N 2376	AT SURF	ACE						MAX. DE	PTH =	m
SEC CON	DSN 40	C S/N 3127			**on primar		_			_	1	
			1 U	R S/N 70281	Y METStar E	LUOR S/N 868	C 02 S/N 0904 (c	pri) X O2	S/N 196	1 (sec)	Cleaned air ble	ed valve
SEC TEMP	PSN 3+	- S/N 4379	X PAF	(5/N /UZO I	V AAE I Orai L	E00((0))(000 E	, om on , ood , ()			. /,		
SEC TEMP	P SN <u>3+</u>	+ S/N 4379	1 H		VVETStarr	2001.0.11000				. (555)		
POS.	TRIP		1 H	IMETER	NVERTED MONITOR		<u> </u>			SAMPLE BOTT	LE NUMBER	
POS.			1 H	IMETER							LE NUMBER	
POS.	TRIP		X ALT	IMETER			SEC. SALIN				LE NUMBER CHL (ml)	APPROX. FLUORO LEVEL
POS.	TRIP EPTH (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES			NO.	SAMPLE BOTT	·.	FLUORO
POS. DE	TRIP		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	·.	FLUORO
POS. DE	TRIP EPTH (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	CHL (ml)	FLUORO
1 \ 2 \ \ 3 \ -	TRIP EPTH (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	·.	FLUORO
POS. DE	TRIP EPTH (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	CHL (ml)	FLUORO
1 \ 2 \ \(\) 3 \ - 5	TRIP EPTH (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	CHL (ml)	FLUORO
POS. DE	TRIP =PTH (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	281 283	FLUORO
1 \ 2 \ \ 3 \ - 5 \ 6 \ 7 \ - 7	TRIP (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	281 283 283 283 283	FLUORO
POS. DE	TRIP =PTH (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	281 283 283 283	FLUORO
POS. DE	TRIP (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	281 283 283 283 283	FLUORO
POS. DE	TRIP (m)		X ALT	IMETER CTD CO	NVERTED MONITOR	R VALUES		IITY SAL	NO.	OXYGEN NO.	281 283 283 283 283	FLUORO

VESSEL NOAA R/V	V Oscar Dyson		PROJECT & L	EG eg 1			STATION DES			
CONSC CAST#	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR		(%) (mb)	" " (deg)	* (sty) * (sty) * TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	5630.00N	15734.84W		184510.	389.08	5 010		<u> </u>		
CTD		TIMES JD/T	IME .		DATA LOCATION		REMARI	(8		
TYPE & S	in .	DATA ON	 .	Tape/Diskette/DV		me/Header				
PRESS SI	N 9+ S/N 0772	START DOWN		DY1308	CTE	007				
PRI COND	SN 4C S/N 2985	AT DEPTH								
PRI TEMP S	SN <u>3+ S/N 2376</u>	AT SURFACE			<u></u>		MAX. DE	PTH =	m	-
SEC COND	OSN 4C S/N 3127	_	**on primar		,			ı		İ
SEC TEMP	SN 3+ S/N 4379	X PAR S/N 70281	X WETStar F	LUOR S/N 868 X	O2 S/N 0904 (pri)	X O2 S/N 19	61 (sec)	Cleaned air blee	d valve	
		X ALTIMETER								
	TRIP PTH (m)	CTD CO	NVERTED MONITOR	ŔVALUES			SAMPLE BOTT	LE NUMBER		
										1
	PRESSU	RE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL	NUT
1 1.0		RE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO	316
1 Feb. 97 (934)668								CHL (ml)	FLUORO LEVEL	316° F16
2 \10	06 NO						OXYGEN NO.		FLUORO LEVEL	216° 217 2171
3 -	75 50							281	FLUORO LEVEL	216 217 217 217
2 \ 3 - 4 5 \ 5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	06 NO 35 50 40							28\ 283	FLUORO LEVEL	216
2 \ 0 3 - 4 5 5 \ 1 6 3	06 NO 35 50 40							285 283 283	FLUORO LEVEL	216
2 \ 0 \ 3 \ - 4 \ 5 \ 1 \ 6 \ 7 \ 2	06 NO 35 50 40 30					D	0244	28\ 283	FLUORO LEVEL	316° F16
2 \ 0 \ 3 \ - 4 \ 5 \ 1 \ 6 \ 7 \ 2	06 NO 35 50 40 30							28\ 283 283 283	FLUORO LEVEL	215
2 10 3 - 4 5 6 7 8	06 NO 35 50 40 30					D	0244	281 283 283 283 283	FLUORO LEVEL	215
2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	06 NO 35 50 40 30					D	0244	281 283 283 283 283	FLUORO LEVEL	215

A seemed to how small or bubbles to took another sample @ 75 m

VESSEL NOAA R/V (Oscar Dyson	,		PROJECT & L	EG g 1			STATION DES	SIGNATION	
CONSC CAST #	LATITUD PEG MIN	DE DE		DATE JD= DAY MO YR	DRY BL TIME (AIR (GMT) TEMF HR MIN (°C)	P) RELATIVE HUMIDITY (%) (I	D	RUE TRUE QUI IR. SPD. O' Y eg) (kts) * * *	BOTTOM DEPTH (m)	STA. NAME/ID
CTD	<u></u>	TIME		IME		DATA LOCATION	ON	REMAR	KS	
TYPE & SN	I	DAT	A ON		Tape/Diskette/DV	DID File	Name/Heade	r		* * * * * * * * * * * * * * * * * * * *
PRESS SN	9+ S/N 0	772 STA	RT DOWN		DY1308		TD	AND		
PRI COND SI	N 4C S/N 2	985 AT C	EPTH							
PRI TEMP SN	N 3+ S/N 2	376 AT S	URFACE					MAX. D	EPTH =	m
OFF TEMP OF	:N 3+ S/N 4'	379 I IX	PAR S/N 70281	IX IWETStar F	LUOR S/N 868 X	IO2 S/N 0904 (Dr)) IX IU2 5/I	N 1961 (SEC)	Cleaned air ble	ed valve
POS. TF	RIP TH (m)		ALTIMETER	NVERTED MONITOR					TLE NUMBER	
POS. TF	RIP TH (m)		ALTIMETER			SEC. SALINIT		SAMPLE BOT	TLE NUMBER CHL (ml)	APPROX. FLUORO LEVEL
DEPT	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO
POS. TF DEPT	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES			SAMPLE BOT	<u> </u>	APPROX. FLUORO
POS. TF DEPT	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO
POS. TF DEPT	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO
POS. TF DEPT	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO
POS. TF DEPT 3 4 5 6 7	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO
POS. TF DEPT 3 4 5 6 7 8	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO
POS. TF DEPT 3 4 5 6 7 8 9	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO
POS. TF DEPT 3 4 5 6 7 8	RIP TH (m)	×	ALTIMETER CTD CO	NVERTED MONITOR	R VALUES		Y SAL. N	SAMPLE BOT O. OXYGEN NO.	<u> </u>	APPROX. FLUORO

VESSEL NOAA R		r Dyson			PROJ DY13	ECT & L	EG g 1					- <u>-</u>			IGNATION		
CONSC CAST#		LATITUDE MIN	LON DEG	GITUDE MIN	DATE DAY MO		TIME (GMT)	DRY BULB (AIR TEMP) (°C)	RELATIVE HUMIDITY (%)	3 PRESSURE	* SEA STATE * VISIBILITY	TRUE WIND DIR. (deg)	TRUE CONTROL OF TRUE CONTROL O	* TYPE * WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
009	572	28.84N	1552	9.03 W	29 0	8 1 3	0639	11.2	84.	94		37.6	21		301	10=	<u> </u>
CTD			TIMES	JD/Ti	ME			ı	DATA LOCAT	ION			R	EMARI	KS.		
TYPE &	SN		DATA ON				Tape/Diske	ette/DVD I	D File	e Nan	ne/He	ader					
PRESS :	SN 9	9+ S/N 0772	START DO)WN			DY130	08		CTD							
PRI CONI	DSN 4	4C S/N 2985	AT DEPTH														
PRI TEMF	PSN 3	3+ S/N 2376	AT SURFA	CE									N	AX. DE	PTH =	m	
	_	4C S/N 3127 3+ S/N 4379	X PAR	S/N 70281		n primar ETStar F		68 X O	2 S/N 0904 (¢	ori)	X 02	S/N 196	61 (sec)		Cleaned air b	eed valve	
SEC TEM			1 H														
POS.	TRIP EPTH (n		X ALTI	METER	NVERTED N									Е ВОТ1	LE NUMBER	<u> </u>	_
POS.	TRIP		X ALTI	METER		IONITO			SEC. SALIN		SAI	NO.			LE NUMBEF	APPROX. FLUORO LEVEL	
POS.	TRIP	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI		SAMPLI	N NO.		APPROX. FLUORO	
POS. D	TRIP EPTH (n	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO] 2
1 2 3	TRIP EPTH (n 290 250 150	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO] , ;
POS. D	TRIP EPTH (n 290 250 150 100	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO	12
POS. D	TRIP EPTH (n 290 250 150 100 75	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO	
POS. D	TRIP EPTH (n 290 250 150 100	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO	1222
POS. DI 2 3 4 5 5	TRIP EPTH (n 290 250 150 100 75 50	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO	
POS. DI 2 3 4 5 6 7 7	TRIP EPTH (n 290 250 150 100 75 50 40	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO	
POS. D	TRIP EPTH (n 290 250 150 100 75 50 40 30 20	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO	
POS. DI 2 3 4 5 6 7 8 9	TRIP EPTH (n 290 250 150 100 75 50 40 30 20	n)	X ALTI	METER CTD CO	NVERTED M	IONITO	R VALUES				SAI	NO.	SAMPLI	N NO.		APPROX. FLUORO	

RIJAA K	NV Oscar Dyson			PROJECT & L	EG g 1		•		STATION DES	IGNATION	
CONSC CAST#	;		LONGITUDE	DATE JD=	DRY BI	RELATIVE HUMIDITY	PRESSURE SEA STATE VISIBILITY	TRUE WIND DIR.	CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DE	G MIN	DAY MO YR	HR MIN (°C)		(mb) " "	(deg)	(kts) * * *	(m)	
010	5714.7	JN 15	527 - 76W	29 A VG 13	103510	592.	921	015	24	263	108
CTD		TIME	S JD/TI	ME		DATA LOCAT	ION		REMARI	KS	
TYPE &	SN	DATA	A ON		Tape/Diskette/D\	'D ID File	Name/Hea	ader			200000000000000000000000000000000000000
PRESS S	SN 9+ S/N 0772	STAF	RT DOWN	-	DY1308		CTDO10				
PRI CONI	D SN 4C S/N 2985	AT D	 EPTH								
PRI TEMP			URFACE						MAX. DE	PTH =	m
SEC CON	*************************************			**on primar	v T/C**	-					
	MP SN 3+ S/N 4379		PAR S/N 70281		LUOR S/N 868	O2 S/N 0904 (b)	ri) X 02	S/N 196	61 (sec)	Cleaned air ble	ed valve
SEC IEM	7F SN 3+ 3/N 43/S		1	IX WE TOWN	LOOK GIVE GOO	102 G/(1000 / (p.	., E1		. (000)		
POS.	TRIP		ALTIMETER CTD CO	NVERTED MONITOR	R VALUES				SAMPLE BOTT	ILE NUMBER	
	EPTH (m)										
3		SURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1 2	PRES	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.	CHL (ml)	FLUORO
	254 PRES	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.	CHL (ml)	FLUORO LEVEL
	PRES	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.	CHL (ml)	FLUORO LEVEL
2 2	PRES	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.	CHL (ml)	FLUORO LEVEL
2 3	PRES 254 200 150 100 75	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.		FLUORO LEVEL
2 3 3 4	PRES 254 200 150 100 75	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.	285	FLUORO LEVEL
2 3 4 5 6 7	PRES 254 200 150 100 75 50 40	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	NO.	OXYGEN NO.	285	FLUORO LEVEL
2 3 4 5 6 7 8	PRES 254 200 150 100 75 50 40 30	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL	. NO.	OXYGEN NO.	285 283 283	FLUORO LEVEL
2 3 4 5 6 7 8 9	PRES 254 200 150 100 75 50 40 30 20	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI				285 283 283 283	FLUORO LEVEL
2 3 4 5 6 7 8	PRES 254 200 150 100 75 50 40 30	SSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL		OXYGEN NO.	285 283 283	FLUORO LEVEL

VESSE	L R/V Oscar L	Dycon			PROJECT & L	EG g 1						STATIO	N DES	SIGNATION		
CONSC	c	Dysui				DF TIME	RY BULB (AIR	RELATIVE	RESSURE	SEA STATE VISIBILITY	TRUE WIND DIR.	TRUE S	PE FATHER	воттом	STA.	
CAST#		TITUDE		ONGITUDE	DATE JD=		TEMP)	HUMIDITY		피기	DIR.	SPD.	<u> </u>	DEPTH	NAME/ID	4
	DEG	MIN	DEG	MIN	DAY MO YR	HR MIN	(°C)	(%)	(mb)		(deg)	(kts) ¹	* *	(m)	400 000	-
011	570	0.42 N	15	526 4 1 W	29 AUG 13	14541	0.4	90.	92		336	27		269	100	Ц.
CTD			TIMES	JD/T	IME			DATA LOCAT	TION			ļ	REMAR	KS		_
TYPE &	k SN		DATA	ON		Tape/Diskett	e/DVD I	ID File	e Nam	e/He	ader				- 117	-
PRESS	SN 9+	S/N 0772	STARI	DOWN		DY1308			CTD (110						
PRI CON	_	S/N 2985	AT DE	 РТН												
PRI TEM			AT SU	REACE		-							IAX. DI	EPTH =	m	
SEC CO	MPSN 3+	S/N 4379	XF	PAR S/N 70281	X WETStar F	LUOR S/N 868	X O	2 S/N 0904 (p	ori)	<u> M</u> O2	S/N 196) (Sec)		Cleaned air b	eed valve	
SEC TEM	MP SN 3+ TRIP DEPTH (m)		1 1-1	LTIMETER	X WETStar F			2 S/N 0904 (p	ori)					TLE NUMBER		
SEC TEM	TRIP			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4				SAMPL				
POS.	TRIP DEPTH (m)			LTIMETER				2 S/N 0904 (p			NO.	SAMPL	E BOT	TLE NUMBER	APPROX. FLUORO	
POS.	TRIP DEPTH (m)			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	TLE NUMBER	APPROX. FLUORO	3
POS.	TRIP DEPTH (m) 그 등억			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	TLE NUMBER	APPROX. FLUORO	_ a
POS. C	TRIP DEPTH (m)			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	TLE NUMBER	APPROX. FLUORO	
POS. L	TRIP DEPTH (m)			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	CHL (ml)	APPROX. FLUORO	33733
POS. C	TRIP DEPTH (m)			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	CHL (ml)	APPROX. FLUORO	3 3 3 3 3 3
POS. D	TRIP DEPTH (m) 259 200 150 150 150 40			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	CHL (ml)	APPROX. FLUORO	3 a 3 a 2 x x
POS. [1 2 3 4 5 6	TRIP DEPTH (m)			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	CHL (ml)	APPROX. FLUORO	3 3 3 3 3 3 3 3 3
POS. [1] 1 2 3 4 5 6 7	TRIP DEPTH (m) 259 200 150 150 150 40			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	CHL (ml)	APPROX. FLUORO	3 3 3 3 3 3 3 3 3 3
POS. [2] 1 2 3 4 5 6 7 8	TRIP DEPTH (m)			ALTIMETER CTD CC	NVERTED MONITO	RVALUES		: 4		SAI	NO.	SAMPL	E BOT	CHL (ml)	APPROX. FLUORO	3 3 3 3 3 3 3 3 3

VESSEL NOAA R/	IV Oscar l	Dyson			PROJECT & L	EG eg 1				ST	ATION DES	SIGNATIO	N	
CONSC CAST#	DEG LA	ATITUDE MIN	DEG		DATE JD= DAY MO YR	TIME (A (GMT) TE HR MIN (°	BULB IR RELATIV MP) HUMIDIT C) (%)	A m B B PRESSURE	SEA VISI M	RUE TR ND WI IR. SF eg) (k		BOTTO DEPTI (m)		STA. NAME/ID
	264	6.30 N	1 5		V	11211 411	DATA LOC	, 0x		<u> </u>	REMAR	1000	, 0	
CTD	CN		DATA		IIWE	Tape/Diskette/l			ne/Heade	er		- (10	***	
TYPE &		0.01.0770	1			DY1308	,		012	•				1177 - HILES
PRESS S	-	S/N 0772	1	DOWN		D11300			<u> </u>					
PRI CONE		S/N 2985 S/N 2376	AT DE	RFACE							MAX D	EPTH =		m
SEC CON					**on primar	LUOR S/N 868	V 02 S/N 000	1 (nei)	V 00 00	1 1061 (\	l	ir blee	J.,
SEC TEM	TRIP EPTH (m)		1 1-1	PAR S/N 70281 ALTIMETER CTD C	X WETStar F		O2 5/N 090-	, (bii)	02 5/1		MPLE BOT	Cleaned a		d valve
SEC TEM	TRIP			ALTIMETER					SAL N	SA		.	BER	APPROX. FLUORO LEVEL
POS.	TRIP			ALTIMETER CTD C	ONVERTED MONITO	R VALUES			-	SA	MPLE BOT	TLE NUMI	BER	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) ユンタ			ALTIMETER CTD C	ONVERTED MONITO	R VALUES			-	SA	MPLE BOT	TLE NUMI	BER	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) ユンタ レンの			ALTIMETER CTD C	ONVERTED MONITO	R VALUES			-	SA	MPLE BOT	TLE NUMI	BER	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m)			ALTIMETER CTD C	ONVERTED MONITO	R VALUES			-	SA	MPLE BOT	TLE NUMI	BER	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) 228 150 125 100			ALTIMETER CTD C	ONVERTED MONITO	R VALUES			-	SA	MPLE BOT	TLE NUMI	BER (ml)	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m)			ALTIMETER CTD C	ONVERTED MONITO	R VALUES			-	SA	MPLE BOT	CHL	BER (ml)	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) 150 125 100 75			ALTIMETER CTD C	ONVERTED MONITO	R VALUES			-	SA	MPLE BOT	CHL	(ml)	APPROX. FLUORO LEVEL
POS. DE 1 2 3 4 5 6 7 8 9 9	TRIP EPTH (m) 125 150 125 100 75 50			ALTIMETER CTD C PRI. TEMP.	SEC. TEMP.	R VALUES			SAL N	O. O	MPLE BOT	CHL	BER (ml)	APPROX. FLUORO LEVEL
POS. DE 1 2 3 4 5 6 7 8	TRIP EPTH (m) 228 150 125 100 75 40 30			ALTIMETER CTD C	SEC. TEMP.	R VALUES			-	O. O	MPLE BOT	CHL	(ml)	APPROX. FLUORO LEVEL

VESSE NOAA		ar Dyson				PROJECT &	LEG eg 1								SIGNAT	ION		
CONS	C # DEG	LATITUDE MIN	DEG		DAY	ATE JD= MO YR	TIME (GMT) TE		RELATIVE HUMIDITY (%)	PRESSURE	* SEA STATE VISIBILITY	(deg)	(kts) '	* TYPE	BOT DEF (n	n)	STA.	
	56	32.137N				0813	2331111	. 8		76		667			<u></u> i	70	1/1/	1
CTD			TIMES		TIME				ATA LOCAT					REMAR	NS.). — —		
TYPE (& SN		DATA	ON		<u></u>	Tape/Diskette	םו סעסי			ne/He	ader		e in	i::	Œ E		
PRESS	SN S	9+ S/N 0772	START	DOWN			DY1308			CTD			- ,			12 19 3		
PRI COI	ND SN	4C S/N 2985	AT DE	PTH											. =-	MAN.		-
PRI TEM	AP SN	3+ S/N 2376	AT SUI	RFACE									!	/AX. D	EPTH =	: 	m	
l																		
	TRIP DEPTH (1	m)	<u> </u>	CTD (ONVER	TED MONITO	R VALUES		*				SAMPI	E BOT	TLE NU	IMBER	· · · · · · · · · · · · · · · · · · ·	
		m) PRESSUI		CTD (PRI. TEMP.		EC. TEMP.	R VALUES PRI. SALINIT	Y S	SEC. SALIN	IITY _	SA	L. NO.		E BOT		IMBER	APPR FLUC LEV	RO A
				СТД			T	Υ 5	SEC. SALIN	IITY _	SA				СН	iL (ml)	FLUC	RO EL:
	62 50			СТД			T	Υ 5	SEC. SALIN	IITY_	SA				СH 28	IL (ml)_	FLUC	RO A 22
1 2 3	62 50			СТД			T	Υ 5	SEC. SALIN	IITY _	SA				СН	1L (ml)	FLUC	RO EL 22 -22 -22 -2
1 2 3 4	62 50 40 30			СТД			T	Y	SEC. SALIN	IITY _	SA				28 28	IL (ml)	FLUC	22 - 23 - 23 - 23 - 23 - 23 - 23 - 23 -
1 2 3 4 5	62 50 40 30 zô			СТД			T	Y S	SEC. SALIN	IITY				EN NO.	28 28 28 28 28	1L (ml)	FLUC	22 22 22 22 22 22 22 22 22 22 22 22 22
1 2 3 4	62 50 40 30			СТД			T	Υ 5	SEC. SALIN	IITY _		L. NO.	OXYG	EN NO.	28 28 28	1L (ml)	FLUC	22 - 23 - 23 - 23 - 23 - 23 - 23 - 23 -
1 2 3 4 5 6	62 50 40 20 20			СТД			T	Υ 5	SEC. SALIN	IITY _		L. NO.	OXYG	EN NO.	28 28 28 28 28	1L (ml)	FLUC	22 22 22 22 22 22 22 22 22 22 22 22 22
1 2 3 4 5 6 7 8 9	62 50 40 20 20			СТД			T	Y 8	SEC. SALIN	IITY _		L. NO.	OXYG	EN NO.	28 28 28 28 28	1L (ml)	FLUC	22 22 22 22 22 22 22 22 22 22 22 22 22
1 2 3 4 5 6 7 8	62 50 40 20 20			СТД			T	Υ 5	SEC. SALIN	IITY _		L. NO.	OXYG	EN NO.	28 28 28 28 28	1L (ml)	FLUC	22 22 22 22 22 22 22 22 22 22 22 22 22

VESSEL		ar Dyson				PROJECT &	LEG eg 1		·				STATIO	ON DES	SIGNATION	25
CONSC CAST#	DEG	LATITUDE MIN	DEG	ONGITUDE MIN	DAY	ATE JD= MO YR	TIME (GMT) HR MIN	DRY BULB (AIR TEMP) (°C)	RELATIVE HUMIDITY (%)	D 3 PRESSURE	SEA STATE VISIBILITY	TRUE WIND DIR. (deg)	TRUE SWIND (SPD. (kts)	* TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
OT H	56	18.32 N	TIMES		N 30	081:	0241	1111-14	DATA LOCA			2011		REMAR		1 1 2
CTD TYPE &	en e		DATA O		1 11411		Tape/Disk			e Nam	e/Hea	ader	ľ		(4)=(4	- 1 (200 - 2 1) 25
PRESS:		9+ S/N 0772	START				DY13			CTD	•				2	MI
PRI CONI	•	4C S/N 2985	AT DEP													St. Complete
PRI TEM	•	3+ S/N 2376	AT SUR	-									ו	ИАХ. D	EPTH =	m
	•	3+ S/N 4379	1 1-4	R S/N 70281	12	K WETStar	FLUOR S/N 8	68 XIO	2 S/N 0904 (pri)		S/N 196) (SEC)			evisy bee
SEC CON SEC TEM POS. D	•		1 1-4	TIMETER		K WETStar		68 <u>X</u>]0	2 S/N 0904 (pri)					TLE NUMBER	
SEC TEM	IP SN	(m)	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES		2 S/N 0904 (SAMPL			
POS. D	MP SN TRIP DEPTH ((m) PRESSUI	XAL	TIMETER	ONVERT						SAI		SAMPL	E BOT	CHL (ml)	APPROX. FLUORO
POS. D	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml)	APPROX. FLUORO
POS. D	MP SN TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283	APPROX. FLUORO
POS. D	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283 287	APPROX. FLUORO
POS. D	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283	APPROX. FLUORO
POS. D	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283 287	APPROX. FLUORO
POS. D 1 2 3 4 5 6 7	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283 287	APPROX. FLUORO
POS. D	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283 287	APPROX. FLUORO
POS. D 1 2 3 4 5 6 7 8 9	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283 287	APPROX. FLUORO
POS. D	TRIP DEPTH ((m) PRESSUI	XAL	TIMETER CTD C	ONVERT	ED MONITO	R VALUES				SAI	L. NO.	SAMPL	E BOT	CHL (ml) 283 283 283 287	APPROX. FLUORO

VESSEL NOAA RA	V Oscar I	Dvson		· · · · · · · · · · · · · · · · · · ·		PROJECT &	LEG eg 1								IGNATION	
CONSC CAST#	LA DEG	ATITUDE MIN	DEG		DAY	ATE JD=	TIME (GMT) HR MIN	DRY BULI (AIR TEMP) (°C)	RELATIVE HUMIDITY (%)	C G PRESSURE	* SEA STATE * VISIBILITY	TRUE WIND DIR. (deg)	TRUE SWIND (SPD. (kts)	* TYPE * WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
_	560	3 - 74 N			w 30	081	05/8	111.1	93.00	1	<u> </u>	1100	' ' ' 	REMAR	3 9	1112
CTD			TIMES		/TIME		Tene/Diek		DATA LOCA	le Nar	ne/He	ader	ľ	/EMMI/		
TYPE & S			DATA				Tape/Disk		וט דו		HG/TIC	auci	-			
PRESS S		S/N 0772	1	DOWN			DY13	70		CTD			• ,		*	
PRI COND		S/N 2985	AT DE									<u> </u>	· 1	MAY DI	:/ •24 • • • • • • • • • • • • • • • • • •	m
PRI TEMP		S/N 2376	AT SU	RFACE										VIAN. DI	FIR-	
SEC CON	DSN 4C	S/N 3127			ſ	**on prima	FLUOR S/N 8	68 X	02 S/N 0904	(ing)	X o	2 S/N 196	31 (sec)		 Cleaned air bl	eed valve
SEC TEMP	P SN <u>3+</u>	S/N 4379		PAR S/N 70281	1	VIANELOGI	1 LOOK 6/14 0	النا ،	2 0/11 000 1	. ,	أدعا		•		•	
POS.	TRIP			ALTIMETER	•	ED MONITO									TLE NUMBER	
POS.				ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330				SAMPI	E BOT		APPROX. FLUORO LEVEL
POS.	TRIP EPTH (m)			ALTIMETER	CONVERT				SEC. SALI			L. NO.	SAMPI		CHL (ml)	APPROX. FLUORO
POS. DE	TRIP EPTH (m)			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330				SAMPI	E BOT	CHL (ml) 283 283	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) 29			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA		SAMPI	E BOT	CHL (ml) 283 283 287	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m)			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA	ıL. NO.	OXYG	E BOT	CHL (ml) 283 283	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) 29 20			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA	ıL. NO.	OXYG	E BOT	CHL (ml) 283 283 287	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) 29 20			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA	ıL. NO.	OXYG	E BOT	CHL (ml) 283 283 287	APPROX. FLUORO LEVEL
POS. DE 3 4 5 6 7	TRIP EPTH (m) 29 20			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA	ıL. NO.	OXYG	E BOT	CHL (ml) 283 283 287	APPROX. FLUORO LEVEL
POS. DE 1 2 3 4 5 6 7 8	TRIP EPTH (m) 29 20			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA	ıL. NO.	OXYG	E BOT	CHL (ml) 283 283 287	APPROX. FLUORO LEVEL
POS. DE	TRIP EPTH (m) 29 20			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA	ıL. NO.	OXYG	E BOT	CHL (ml) 283 283 287	APPROX. FLUORO LEVEL
POS. DE 1 2 3 4 5 6 7 8	TRIP EPTH (m) 29 20			ALTIMETER CTD (CONVERT	ED MONITO	R VALUES		330		SA	ıL. NO.	OXYG	E BOT	CHL (ml) 283 283 287	APPROX. FLUORO LEVEL

TUDE LONGITUDE				RE ATE	a a a	,	
ODE LONGITUDE	DATE JD=	DRY BU TIME (AIR (GMT) TEMF	RELATIVE	PRESSURE SEA STATE VISIBILITY	MIND OF SERVICE SERVICES	BOTTOM DEPTH	STA. NAME/ID
N DEG MIN	DAY MO YR	HR MIN (°C)	(%)	(mb) * * (deg) (kts) * * *	(m)	
.59 N 15523.29	W30AUG13	074310.	994.	06 34	5 \ \ \	67	1114
	TIME		DATA LOCAT	ION	REMAR	KS	
DATA ON		Tape/Diskette/DV	D ID File	Name/Header	5811	VE IN JEW.	3500125
N 0772 START DOWN		DY1308	···	CTDOIL	~1	300	
N 2985 AT DEPTH					_		
N 2376 AT SURFACE					MAX. D	EPTH =	m
N 3127	**on primar	ry T/C**			_	_	
			O2 S/N 0904 (p	ri) X 02 S/N 1	961 (sec)	Cleaned air bleed	d valve
		_		_		-	
	ONVERTED MONITO	R VALUES			SAMPLE BOT	TLE NUMBER	
PRESSURE PRI TEMP	SEC. TEMP.	PRI. SALINITY	SEC. SALINI	TY SAL. NO.	OXYGEN NO.	CHL (mi)	APPROX. FLUORO LEVEL
THEODORE THE PERSON				- 266	- 300	1	2
						388	2
						287	3,
		 					a
		<u> </u>					
		 	 				6
		 		 		1 983	
		 	 		 	1	\vdash
					1	 	
			 				
		1		ı			
1	TIMES JD/ DATA ON START DOWN N 2985 AT DEPTH N 2376 AT SURFACE N 3127 N 4379 X PAR S/N 70281 X ALTIMETER	TIMES JD/TIME DATA ON N 0772 START DOWN N 2985 AT DEPTH N 2376 AT SURFACE N 3127 N 4379 X PAR S/N 70281 X WETStar F CTD CONVERTED MONITO	TIMES JD/TIME DATA ON Tape/Diskette/DV/DY1308 N 2985 AT DEPTH N 2376 AT SURFACE N 3127 N 4379 X PAR S/N 70281 X WETStar FLUOR S/N 868 X X ALTIMETER CTD CONVERTED MONITOR VALUES	DATA ON Tape/Diskette/DVD ID File N 0772 START DOWN DY1308 N 2985 AT DEPTH N 2376 AT SURFACE N 3127 N 4379 X PAR S/N 70281 X WETStar FLUOR S/N 868 X O2 S/N 0904 (p	TIMES JD/TIME DATA LOCATION DATA ON Tape/Diskette/DVD ID File Name/Header N 0772 START DOWN DY1308 CTD L N 2985 AT DEPTH N 2376 AT SURFACE N 3127 N 4379 X PAR S/N 70281 X WETStar FLUOR S/N 868 X O2 S/N 0904 (pri) X O2 S/N 1 X ALTIMETER CTD CONVERTED MONITOR VALUES PRESSURE PRI. TEMP. SEC. TEMP. PRI. SALINITY SEC. SALINITY SAL. NO.	TIMES JD/TIME DATA LOCATION DATA ON Tape/Diskette/DVD ID File Name/Header N 0772 START DOWN DY1308 CTD C C	TIMES

VESSEL		Over				ROJECT & I	LEG eg 1		·				STATIO	ON DE	SIGNATIO	N	
CONSC CAST#	1	ATITUDE	Ļ	ONGITUDE		TE JD=		DRY BULE (AIR TEMP)	RELATIVE HUMIDITY	PRESSURE	VISIBILITY	TRUE WIND DIR.	TRUE SWIND G	CLOUD (amr) TYPE WEATHER	BOTTO DEPTI		STA. NAME/ID
	DEG	MIN	DEG	MIN		MO YR	1	(°C)	(%)	(mb) *	++	(deg)	(kts) ¹	* * *	(m)		
017	553	5.07N	155	22.79	W 3 O A	V G 1 3	1040	12.0	914.	08		35	18		66	25	115
CTD			TIMES	JD	TIME			1	DATA LOCA	TION			ļ	REMAF	RKS		
TYPE &	SN		DATA C	N		<u></u>	Tape/Disk	ette/DVD	ID Fil	e Name	e/Hea	der	ļ	REN	DOVED	W	ETSta
PRESS S	SN 9+	S/N 0772	START	DOWN			DY13	08		CTD	F/4		. [4 4	3 8 30	
PRI CONI	DSN 4C	S/N 2985	AT DEP	тн									.				
PRI TEMP	 	S/N 2376	AT SUR	FACE									1	MAX. D	EPTH =		m
JEU IEM		5/14-0/5		AR S/N 70281 LTIMETER				TER	2 S/N 0904 (04445		T1 E 511 154	DEP	<u> </u>
POS.	TRIP EPTH (m)			LTIMETER			R VALUES	TER	10				SAMPI	E BOT	TLE NUM	BER	
POS.	TRIP		XA	CTD C	ONVERTE	D MONITO			SEC. SALIN			. NO.	SAMPI	E BOT	TLE NUM	. <u> </u>	APPROX. FLUORO LEVEL
POS.	TRIP EPTH (m)		XA	LTIMETER	ONVERTE		R VALUES		10 -	IITY		. NO.	SAMPI	E BOT		. <u> </u>	FLUORO
POS.	TRIP		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT		. <u> </u>	FLUORO
POS. DI	TRIP EPTH (m)		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT		. <u> </u>	FLUORO
POS. DI	TRIP EPTH (m)		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT		. <u> </u>	FLUORO
POS. DI	TRIP EPTH (m)		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT		(ml)	FLUORO
POS. DI	TRIP EPTH (m)		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT	CHL	(ml)	FLUORO
POS. DI	TRIP EPTH (m)		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT	288 28-	(Im)	FLUORO
POS. DI	TRIP EPTH (m)		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT	288 288 288	(Im)	FLUORO
POS. DI	TRIP EPTH (m)		XA	CTD C	ONVERTE	D MONITO	R VALUES		10 -	IITY	SAL	. NO.	OXYG	E BOT	288 28-	(ml) 5 3 3	FLUORO