WIN (°C) (°C) (mb) TALLI WIND DIRN. SPD.  OCATION  Vame/Header  VAMAX. DEPTH =  SALINITY  SALINITY  SALINITY  SALINITY  SALINITY  SALINITY  SALINITY  WIND  DATA  WARKS WET  OX is in sec sens  WAX. DEPTH =  DATA  SALINITY  SALINITY	12	11	10	9	8	7 0	6	+		4 20	3 40	2 50	1 276	PRESSURE PRI. TEMP.	POS. DEPTH CTD CONVERTED MONITOR VALUES		2489 PAR S/N 4603	PRI COND SN 2985 AT SURFACE	SEC TEMP SN 2786 AT DEPTH	PRI TEMP SN 2376 START DOWN	PRESS SN DATA ON	SBE 9+ 772 TIMES JD/TIME	DEG MIN DEG MIN DAY MO TR	LONGITUDE DATE JD=	
PRESSURE  * SEA STATE						0	> ·		ist.		A WINTER			SEC. TEMP SALINITY	NONITOR VALUES		FLUOR S/N 1036 PRI OXY 910				File Name/Header	DATA LOCATION	O & TR	TIME GMT) DRY BULB WET BUI	DYU8-49 +
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			(	>;	5	-	20	C	40	50	4-7	(bot)	TRIP DEPTH	SEC COND SN	ND SN	SEC TEMP SN_	MP SN	SZ	·	DEG 54		Ship OSC/
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			i									PRI. TEMP	CTD C	4603	Silver		¥	<u> </u>	JD/	MIN S		00
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									İ			SALINITY	SAMPLE BOTTLE DATA	Y 904	MAX. DEPTH = 4	Cleaned air bleed valve	0X 1001	ဝိ	REMARKS WETStar & pri OX are in pri sensor loop; sec	(deg) (m/s)	SPD	STAIL
											3.15	SAL	SAMP		0	id valve	120 ass	r loop - sta	Star & pri O	*	CLOUD (am TYPE WEATHER	STATION DESIGNATION
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				787	)       	2	1	7 50	2000	0 7 0	707	욷	TE NUMB			to a man a margaritary formatter	7	altimeter	yri sensor	BU	STA. NAME/ID	
												NUTR.	E PR					m program y state and man	loop; sec		AME/ID	

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					<u> </u> 	0	6	3 8	70	3	40	8	1	TRIP DEPTH	ND SN 2489	ID SN 2985	MP SN 2786	IP SN 2376	SX 		54 07.	DEG MIN	LATITUDE	VESSEL NOAA Ship OSCAR DYSON
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													SA	SAMPL	PRIO	] MAX	<u></u>	]	OX is	REM.			SEA STATE	
		j									ţ		SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPTH =	Cleaned air bleed valve	a manuscript of the first in the state of th	OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		(eg) (lean)	SPD WIN	
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						i.						PRI. TEMP.	TD CONVE	ļ	015	101	210		JD/TIME	DAY MC	DA	
 							-	-		<u> </u>			CTD CONVERTED MONITOR VALUES		(y)	84	S			M A Y	ے[	PROJECT & LEG
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	i.	ļ	į									SALINITY		Y 910		ı	•				jœ	D.
	T		T	<u> </u> 				<u> </u>	<u> </u>		<u> </u>		SA				7-	0	70		PRESSURE * SEA STATE * VISIBILITY	
												SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPTH =	Cleaned		X is in sec	EMARKS		WIND DIRN.	
-		<u> </u>	<u> </u>  -	1		<u> </u>	<u> </u> 	<u> </u>			<u> </u>  -	SAL			TOT	_ <u>bie</u>		sensor loop	WETStar &		* CLOUD (an	STATION D
-	+		+				+		+			L. NUTR.	SAMPLE BOTTLE NUMBER		3			OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		* WEATHER BOTTOM	STATION DESIGNATION
				+		+			+			CHL.	TTLE NUN				1	one altimete	in pri sensi	<b>87</b>		- 2
												NUTR.	BER					1	or loop; sed		STA. NAME/ID	

I CONGITUDE DATE DEG MIN DEG MIN DAY  TIMES JD/TIME  DATA ON  START DOWN AT DEPTH AT SURFACE O439 AT SURFACE O456  PRI. TEMP.  10.2  1.9  1.9	12	<u></u>	10	9	8	7	°	) [	5	4 20	3 30	2 40	- 8		POS. DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	866542	CONSC CAST#	NOAA Ship OSCAR DYSON
LONGITUDE DATE JD=  CO MIN DAY MO YR HR MIN (*C) (*C) (*MD)  SS JOTIME  RT DOWN A ON  RT DOWN O 4 39  SUPFACE O 4 56  PRI. TEMP.  SEC. TEMP  SEC. TEMP  SALINITY  TIME  CGMT) DRY BULB WET BULB SS STATE  SALINITY  PRI. TEMP.  SEC. TEMP  SALINITY  SALINITY							1.9	10	10.7	19.7	29.	39.	49,3	PRESSUF		2489				D,		W N		
TIME (GMT) DRY BULB WET BULB PRESSION FILE Name/Header  FILUOR S/N 1036  SEC. TEMP  SALINITY  SEC. TEMP  SALINITY  SALINITY  SALINITY											7	6	T		CT	PAR S/N 4603	SURFACE	r DEPTH (	ART DOWN	ATA ON		+ + M		3 DYO 8
DRY BULB WET BULB WET BULB PRESSURE  SALINITY  SEA STATE														I. TEMP.	D CONVERTED M		)456	七トト	)439 		JD/TIME	7 W   U M A	DATE JD=	DY08-1
SALINITY  SALINITY  SEA STATE														SEC. TEMP	ONITOR VALUES	FLUOR S/N 1036				File Na	DATA LO	0 8	H (G) ∃	8.7
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	:						,							SALINIT						me/Header	CATION			
WIND D WIN D WIN D DEPTH (deg) (m/s) * * * (m)  MARKS WETStar & pri OX are in is in sec sensor loop - stand-alon IOXY 904  PLE BOTTLE DATA  SALINITY  SAL. NUTR.															SAM	15	MA		<u></u>	OX	RE		PRESSURE	
SAL NUTR.  SAMPLE BOTTO	==													SALINITY	PLE BOTTLE DATA	OXY 904	X. DEPTH =	Cleaned air blee		is in sec sensor	MARKS WETS		SPD. WIN	
															SAMPLE BOT		3			loop - stand-alon	ar & pri OX are in	17	* TYPE * WEATHER	

12	⇉	10	9	8	<u> </u> -	7	6	5	4	ω	2			POS.	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	400		CONSC CAST#	VESSEL NOAA S
							O	δ	20	Š	ર્દ	50		TRIP				SN.	SN		542	DEG	LA:	VESSEL NOAA Ship OSCAR DYSON
							ಖ	٥.	22	29	c),	7	PRES		2489	2985	2786	2376		772	4.97	MIN	LATITUDE	PYSON
							<i>ب</i> ر	9.8	20.0	2.8	9.0	th, 9	PRESSURE		✓PAR S	AT/SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	N 1650	DEG	5	8040 <b>8</b>
													PR	압	PAR S/N 4603	ACE		NWO			<u>ه</u>	MIN	LONGITUDE	20X
į		<u> </u>											PRI. TEMP.	D CONVER		8450	150	0536	:	JD/TIME	OOW 14	DAY	DATE JD=	
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	l			1									SALINITY		PRI OXY 910				er			(5	DRY BULB WET BUI	DSDB I.D.
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_		1		1						-			SAL. NU	SAMPLE	6	] (O			oop - stand-	r & pri OX ¿		1 20	* TYPE * WEATHER	STATION DESIGNATION
-	+	+	-							+		+	NUTR. CHL.	SAMPLE BOTTLE NUMBER			1	the statement is seen in the case of the case of	OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec			BOTTOM DEPTH ST/	000
	+		+			1		+	+		+	+	NUTR.	UMBER					eter	nsor loop; s		-	STA. NAME/ID	u/

NOAA Ship OSCAR DYSON	RDYSON		U100-00		-	t)		
CONSC			TIME		EA STATE VISIBILITY  DE VISIBILITY	YPE VEATHER	BOTTOM	Unimak G STA NAME/ID
CAST # LA	LATITUDE	DEG MIN DAY MO	YR HR MIN		) (deg)	*		
<u> </u>	0 0 Z	00.76w14m	A Y 0 8 0 8 2 2				<b>X</b>	
-	772 11	IES JD/TIME	DATA LOCATION	ATION	REMARKS WETStar & pri OX are in pri sensor loop; sec	Star & pri C	X are in pri	sensor
PRESS SN		DATA ON	File Name/Header	e/Header	OX is in sec sensor loop - stand-alone altimeter	or loop - sta	nd-alone alti	imeter
SZ	2376 ST	START DOWN	    			0	- 1	IV.
SEC TEMP SN :	2786 AT	AT DEPTH			Cleaned air bleed valve	leed valve		
PRI COND SN	2985 AT	AT SURFACE			MAX. DEPTH =	13	3	
-		PÁR S/N 4603	L FLUOR S/N 1036	LPRI OXY 910	PRI OXY 904			
		CTD CONVERTED	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA	SAMP	SAMPLE BOTTLE NUMBER	NOM
-	BBEccilo		SEC TEMP	SALINITY	SALINITY		NUTR. C	CHL. NUTR.
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				0	0 10.	0 20	0	40	49	49	49 4		TRIP	-	SN 2985	SN 2786	SN 2376		7	DEG MIN 56211.	LATITUDE	VESSEL NOAA Ship OSCAR DYSON
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												PRI.	CTD	PAR S/N 4603	RFACE	I HL	START DOWN	S !	JL	# 8 · 2	LONGITUDE	3DY08
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	1		ļ									SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPTH =	Cleaned air bleed valve		in sec sensor	ARKS WETSt		WIND WIN SPD. CLOUD (and	STATIO
-	-					+						SAL. NUTR.	SAMPLE BO		- N	yd valve		OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		* TYPE  * WEATHER  DEPTH  (m)	7 6
	+	+				+						유	SAMPLE BOTTLE NUMBER			No. many or other sections of the section of the se		one altimeter	in pri sensor	49		- Q
												NUTR.	R						loop; sec		AME/ID	

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						O	0	8	30	40	50		TRIP	]			l	* 	l	W	DEG LA:		VESSEL NOAA Ship OSCAR DYSON
						2.7	10.2	20.1	30.1	29,9	0 B	PRESSURE		2489	2985	2786	2376		772	4.76 N	LATITUDE		RDYSON
												ERE .		PAR S/N 4603	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	10101	LONG		
												PRI. TEMP	CTD CO	603			z 		JD/TIME	% %	LONGITUDE		
												.₹	CTD CONVERTED MONITOR VALUES		ļ				μ	3	DATE JD=		PROJEC
												SEC. TEMP	NITOR VALU	FLUOR S/N 1036		 	1	Fi	DAT	0 8 23	TIME (GMT)		PROJECT & LEG
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												SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPTH =	Cleaned a		OX is in sec s	REMARKS V		* VISIBII VIND (deg)		- (0
												SAL	<u> </u>	=	68	Cleaned air bleed valve		OX is in sec sensor loop - stand-alone altimeter	VETStar & pri		* CLOUI * TYPE * WEAT	D (amt	STATION DESIGNATION
												NUTR. C	SAMPLE BOTTLE NUMBER		3	v v		tand-alone al	OX are in pri	73	BOTTOM DEPTH (m)		SIGNATION
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12	1	10	9	8	7	(	$\dashv$	5 10	4 20	3 30	2 40	1 50		TRIP POS. DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	0 1 156	CONSC	VESSEL NOAA Ship OSCAR DYSON
						Appendix 1	70	70	20,0	30.2	4.04	50.6	PRESSURE	<u>-</u>	2489	2985	2786	2376		772	WIN 1 6 1 4 1	LATITUDE	CAR DYSON
					+								SURE		PAR S/N 4603	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	DEG	LONGITUDE	
													PRI. TEMP.	CTD CONVER	)3	04:39	04:35	04:32	04:31	JD/TIME	. 84 w   5	UDE DATE JD=	
													SEC. T	CTD CONVERTED MONITOR VALUES	FLUOR S/N 1036			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			M A Y 0 8		DY08,86 Q 7
   													TEMP	/ALUES	N 1036				File Name/Header	DATA LOCATION	0435	M M	
		-											SALINITY		PRI OXY 910				eader	N	(°C)	DRY BULB WET BULB	0300 1.0.
	   			     								   		SAI		3		1	:0	72	(mo)		  -  -  -
	i		ŀ					j					SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPTH =	Cleaned air bleed valve		X is in sec sens	EMARKS WET	(deg) (m/s)	WIND DIRN.	
													SAL NUTR.	SAMPLE B		m			OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		* CLOUD (am * TYPE * WEATHER	t)
-												+	CH.	SAMPLE BOTTLE NUMBER					lone altimeter	e in pri sensor	8	BOTTOM DEPTH STA. NAME/ID	12
													NUTR.	ER I	:		İ	ļ		loop; se		AME/ID	

12	11	10	9	ω		7	თ	5	4	ယ	2			POS.	SEC (	PRI C	SEC T	PRI T	PRESS SN	SBE 9+	0	CA O	CONSC	VESSEL NOAA S
					ļ		0	10	20	30	40	50		TRIP	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	SSN	+	2570	DEG	έ Č	VESSEL NOAA Ship OSCAR DYSON
							2.7	  	200	30.7	40.5	49.8	PRESSURE		2489	2985	2786	2376		772		MIN		AR DYSON
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			i.								į		PRI. TEMP	CTD CON	603	1:40	7:13	N 7:10	56:40	JD/TIME	. 2			708
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	:												SALINITY		PRI OXY 910		}					١.	DRY BULB WET BULB	DSDB I.D.
									<u> </u>  -				ls.	SAMPI	PRI	MAX			OX is	REM		(dm)	PRESSURE SEA STATE VISIBILITY	
													SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPTH =	Cleaned air bleed valve		OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		(deg) (m/s)	WIND DIRN. SPD.	STATI
													SAL	SAME		0			r loop - sta	Star & pri C		*	CLOUD (am TYPE WEATHER	STATION DESIGNATION
										$\perp$			NUTR.	SAMPLE BOTTLE NUMBER		3		a parameter in the second of the	and-alone	)X are in I	1 1/1/2	$\mathbb{E}_{\left[\frac{1}{2}\right]}$	BOTTOM DEPTH	SNATION
													욷	LE NUM				1	altimeter	pri senso	3	<u> </u>		6
					<u> </u>				i				NUTR.	BER				†		r loop; se			STA. NAME/ID	~

3460 MIG N CAST # POS. SBE 9+ VESSEL NOAA Ship OSCAR DYSON SEC COND SN 2489 PRI COND SN SEC TEMP SN PRI TEMP SN PRESS SN 12 Ö DEPTH 00  $\mathcal{O}$ f 50 TRIP DEG Q LATITUDE 2985 2786 2376 Z 295 49.00 30. 0.0 49.8 10 20,0 772 0 7 N 202 PRESSURE 0 0 TIMES START DOWN AT SURFACE AT DEPTH DATA ON DEG PAR S/N 4603 LONGITUDE CTD CONVERTED MONITOR VALUES PRI. TEMP. 00 **S** JD/TIME 02:21 02:20 02:25 DATE JD= 7 M A Y 0 8 PROJECT & LEG <u>S</u> FLUOR S/N 1036 SEC. TEMP 0225 HR MIN DATA LOCATION (GMT) File Name/Header DRY BULB WET BULB c DSDB I.D. PRI OXY 910 SALINITY ි ෆ PRESSURE SEA STATE VISIBILITY SAMPLE BOTTLE
DATA PRI OXY 904 OX is in sec sensor loop - stand-alone altimeter MAX, DEPTH = REMARKS WETStar & pri OX are in pri sensor loop; sec Cleaned air bleed valve SALINITY WIND DIRN. (deg) SPD Z CLOUD (amt) TYPE WEATHER (m/s) STATION DESIGNATION SAL SAMPLE BOTTLE NUMBER BOTTOM DEPTH NUTR. 3  $\widehat{\Xi}$ 0 유 STA. NAME/ID ر س

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		N	2.1	10.0	10.0	19.8	19.8	30,1	30,	40.6	50.5	PRESSURE		2489	2985	2786	2376		772	2.30N	MIN	LATITUDE	R DYSON
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-			_				1		_		<u> </u>	<u> </u>	 	2	= C	몵		c sensor lo	WETSta			SPO WIN	STATION
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												NUTR.	BER						r loop, sec	4	<u>-</u> ]	AT-10 STA. NAME/ID	4

12	<u> </u>	10	9	8	7	0	55	4	ы	2	-3		POS.	SEC C	PRI CC	SEC TE	PRI TEMP SN	PRESS SN	SBE 9+	0 / 5	CONSC	VESSEL NOAA SI
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		5 0	5 0	7	150	25	25	35,	35	44	54.	PRE		2489	2985	2786	2376	; ;	772	8 . 7 C	LATITUDE	VESSEL NOAA Ship OSCAR DYSON
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												SEC.	MONITOR	FLUOR S/N 1036		\	<u> </u>			A Y 0 8	-	PROJECT & LEG
												TEMP	VALUES	VN 1036				File Nam	DATA LOCATION	HR MIN	-	G
												SA		PRI OXY 910				File Name/Header	ATION	. 6	DRY BULB WET BULB	DSDB I.D.
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												SA	SAMPL	- FA	MAX			OX is	REM	(1110)	* SEA STATE * VISIBILITY	
			į									SALINITY	SAMPLE BOTTLE DATA	PKI UXY 904	MAX. DEPTH =	Cleaned air bleed valve		OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec	(ueg) (iii/s)	SPD.	\ \frac{1}{2}
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		20	5,0	17.9	19.7	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	755	25.1	(V)	S	SA	5.5	PRES		2489	2985	2786	2376		772	0	LATITUDE	AR DYSON
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													PRI. TEMP	CTD COM	4603	25	61:40	O4:12	04:1	JD/TIME	9.32w	LONGITUDE	8ºh
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						į							SEC. TEMP	CTD CONVERTED MONITOR VALUES	FLUOR S/N 1036			1	File	DATA L	O 8 DY / Y	ତି	PROJECT & LEG DY08-96
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_		+							+				SAL. NUTR.	SAMPLE		3		-	OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		* TYPE * WEATHER	STATION DESIGNATION
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No samples taken - reclu.

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													CTD CONVERTED MONITOR VALUES		]	74	47		П	M A	DATE JD=	PROJECT & LEG
						Ì			ŀ			SEC. TEMP	TOR VALUES	FLUOR S/N 1036				File Na	DATA LOCATION	1	TIME (GMT) YR HR MIN	* LEG
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												SALINITY	SAMPLE BOTTLE DATA	TRI OAT 904	MAX. DEP 171 -	Clean	<u> </u>	OX is in s	REMARK		* SEA STATE * VISIBILITY  OIRN.  (deg)	
_	1												OTTLE	904		Cleaned air bleed valve		ec sensor i	S WEISta		(m/s) D WN	nt) S
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				Ž								R. CH.	SAMPLE BOTTLE NUMBER						e in pii seiis	08 AI		<u> </u>
				F.								NUTR.	MBER					4	Sol loop, sec	T	STA. NAME/ID	

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												SALINITY		PRI OXY 910				File Name/Header	CATION		DRY BULB WET BULB	
												SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPIH =	Cleaned air bleed valve		OX is in sec sensor loop - stand-alone altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		* SEA STATE * VISIBILITY  * Gdeg) (m/s)	
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		000,	1,80	+	× × ×	2002	30	502	70.1		300	NUTR	SAMPLE BOTTLE NUMBER					altimeter	ri sensor loop, si	A17	STA NAME/ID	

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		7	>	15	51	1	25	25	35	35	45	55		TRIP DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	S SN	+	DEG SIS	# Ő	VESSEL NOAA Ship OSCAR DYSON
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				6							0	-	PRESSURE		PAR S/N 4603	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	DEG	LON	
													PRI. TEMP.	CTD CONVER	4603	H	20:11	NN 20108	20:07	JD/TIME	9.83W/8MA		
								į					SEC. TEMP	CTD CONVERTED MONITOR VALUES	FLUOR S/N 1036		 	_	<u> </u>	DA.	M A Y 0 8	; ; -	DY08-96 9 7
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													SAL. N	<del>                                     </del>			bleed valve		OX is in sec sensor loop - stand-alone alumeter	REMARKS WETStar & pri OX are in pri sensor loop; sec		* CLOUD (am * TYPE * WEATHER	it)
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												SEC. TEMP	CTD CONVERTED MONITOR VALUES	FLUOR S/N 1036				File Na	DATA LOCATION	A Y 0 8 0 4 4 4	O YR HR MIN	TIME (GMT)	PROJECT & LEG
												SALINITY		PRI OXY 910				File Name/Header	CATION		(°C) (°C)	DRY BULB WET BULB	USOB I.O.
												SALINITY	SAMPLE BOTTLE DATA	PRI OXY 904	MAX. DEPTH =	Cleaned air bleed valve		OX is in sec sens	REMARKS WET		(mb) * * (deg) (m/s)	PRESSURE SEA STATE VISIBILITY DINN DINN DINN	
						+					1	SAL. NUTR.		=	3	pleed valve		OX is in sec sensor loop - stand-alone altimeter	TStar & pri OX are i	100	1	CLOUD (am TYPE WEATHER	<u>t)</u>
												CHL. NUTR.	SAMPLE BOTTLE NUMBER					ne altimeter	REMARKS WETStar & pri OX are in pri sensor loop; sec	8	-	H STA. NAME/ID	6+