TIME DRY WET		PROJEC HX213	PROJECT & LEG HX213		2500	3m	STATION DESIGNATION	GNATION /	<i>b</i>
Cham Co Co Co Co Co Co Co C	LONGITUDE DATE	ا ر	23 M	15		VISIBILITY UNIND	CLOUD (am		
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E NAME/ID STA. Р WIND WIND OUR (APT PER DEPTH DIRN. SPD. C. DEPTH STATION DESIGNATION MAX. DEPTH = D D REMARKS 977526036872 (deg) (m/s) File Name/Header 70 30 SEA STATE VISIBILITY hutbotton DATA LOCATION (mp) BUCSSBUG Wares WET BULB ပ္ Tape/Diskette 1D DRY BULB ပ္ 51.90 N/ (334.81 W23 AUG982030 ¥ E TIME (GMT) PROJECT & LEG ¥ HX213 § DATE JD= DAY JD/TIME LONGITUDE ₹ START DOWN AT SUPFACE AT DEPTH DATA ON TIMES 9 LATITUDE Z 9 4257 Alpha Helix TYPE & SN 뜮 PRESS SN COND SN TEMP SN VESSEL CAST

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۸e	SAMPLE BOTTLE NUMBER	NUTR.													
eed val	SAM	SAL.													
Cleaned air bleed valve	SAMPLE BOTTLE DATA	SALINITY								E			*	93	
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DIRN. SPD. CLOM STATION DESIGNATION Ξ MAX. DEPTH = <u>E</u> REMARKS Cleaned air bleed valve 877 SAL. 2/5/ (m/s) SAMPLE BOTTLE SALINITY DATA File Name/Header SEA STATE VISIBILITY 986 DATA LOCATION Wares 320 (mp) HEESENGE TRANSMISSOMETER WET BULB SALINITY <u>ဂ</u> Tape/Diskette ID ORY BULB <u>ဂ</u> ¥ E 0435520 516 N 16327 81 W23 A UG 9 82159 TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHIAM Œ HX213 ₹ DATE JD= DA≺ N FLUOR JOYTIME PHI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH X PAR DATA ON 9 TIMES HESSURE 57 LATITUDE 16.5 30 432 29.0 9 Alpha Helix TYPE & SN E E PRESS SN COND SN TEMP SN TEMP SN VESSEL CAST S 10 12 က S 9 Φ 0

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WHIT'S NUTR. SPICINCIPIS Ε STA. NAME/ID SAMPLE BOTTLE NUMBER 뚱 8 BOTTOM DEPTH STATION DESIGNATION $\widehat{\mathbf{E}}$ MAX. DEPTH = RES. ソスリ REMARKS Cleaned air bleed valve S WIND (& mt).
CLOUD (& mt).
PSFE
APPER 4 SAL. 7 (m/s) 1 × × SAMPLE BOTTLE WIND DIRN. SALINITY DATA 5260 (ded) File Name/Header SEA STATE VISIBILITY 348 Waves 260 000 DATA LOCATION (mb) BESSONEE TRANSMISSOMETER WET BULB <u>(၃</u> SALINITY Tape/Diskette ID ORY BULB <u>(</u> TIME (GMT) H M 04457301516 N16324178W13 3 N G 9 82 335 CID CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG ChIAM 旡 HX213 Ş DATE JD= DAY MRUOR JD/TIME PRI. TEMP. 24,68 LONGITUDE ₹ START DOWN AT SURFACE AT DEPTH |V||PAR DATA ON 9 TIMES HESSER 25,20 30,5 39.5 20.8 LATITUDE Z 70 30 20 Alpha Helix TYPE & SN £ PRESS SN SOND SN TEMP SN TEMP SN VESSEL CAST 8 10 2 က Ξ 2 ဖ œ 6

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VESSEL Alpha Helix				ťΫ	PRWEUI & LE HX213	5	3	i	W /	2	OI WIN	V DESIGN	N N N	J.	
CONSC CAST #				DATE IO-		TIME	DRY	MET SE	HESSURE YNSIBILITY	QNIM	WIND CO	CLOUD (amt) PRF PSHTATM	BOTTOM		STA.
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POS. TRIP DEPTH			CIDCO	WERTED	CTD CONVERTED MONITOR VALUES	/ALUES			ගි	SAMPLE BOTTLE DATA	TTLE	SAMP	LE BOTT	SAMPLE BOTTLE NUMBER	BER
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DEG	-	DEG	MIN		MO YR	HR MIN	(°C)	(°C) (mb)	(geb) • •	(m/s)	*	(m)		
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VESSEL Alpha Helix		,		PROJEC HX213	PROJECT & LEG HX213		7	CNG	200	STATIC	STATION DESIGNATION	NATION		
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WHIT'S NOTR. Ε STA. NAME/ID SAMPLE BOTTLE NUMBER PP 딩 BOTTOM DEPTH STATION DESIGNATION MAX. DEPTH = RES. Cleaned air bleed valve S WINCLOUD (&mt) REMARKS SAL. (S/HH) 2000 SAMPLE BOTTLE DATA SALINITY WIND (ded) OIRN. File Name/Header SEA STATE VISIBILITY DATA LOCATION (mb) 2400 **BUCKSONE** Daves THANSMISSOMETER WET (၁) SALINITY Tape/Diskette ID DRY BULB ပ္ H. GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHIAM 8 뜻 7 W25 A UG HX213 8 DATE JD= DAY FLUOR JD/TIME PRI. TEMP. LONGITUDE 16834 START DOWN AT SURFACE / PAR AT DEPTH DATA ON TIMES 9 HESSEL LATITUDE Z ≥ 990 Alpha Helix TYPE & SN 문 PRESS SN NS GNOO TEMP SN TEMP SN VESSEL SONSC CAST POS. 12 10 Ξ B

WHIT'S NUTR. E NAME/ID SAMPLE BOTTLE NUMBER STA. WIND OUR BOTTOM 풀 STATION DESIGNATION MAX. DEPTH = SEE EEEE Cleaned air bleed valve REMARKS SAL. 1 SAMPLE BOTTLE SALINITY MIND 0 DATA (ded) File Name/Header Warres 2400 SEA STATE VISIBILITY DATA LOCATION (mb) BRESSURE TRANSMISSOMETER WET <u>(၃</u> SALINITY Tape/Diskette ID ORY BULB H. WEIN TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG ChIAM W25 A U G 9 B Œ HX213 8 DATE JD= DAY FLUOR JD/TIME PHI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH PAR DATA ON TIMES PRESSURE LATITUDE OEPTH PEPTH Alpha Helix TYPE & SN Ê Ŕ PRESS SN 56 COND SN TEMP SN TEMP SN VESSEL CAST PQS. 12 10 Ξ Ŋ 9 œ 6

WHIT'S NUTH. 0/0/ Ε STA. NAME/ID SAMPLE BOTTLE NUMBER 풀 SPD. CLOUD (amt) STATION DESIGNATION MAX. DEPTH = EE SE Cleaned air bleed valve REMARKS SAL. SAMPLE BOTTLE SALINITY MIND 0 DATA (ded) NHI NHI File Name/Header Wayes SEA STATE VISIBILITY 166 DATA LOCATION (qm) **BUCSSAME** TRANSMISSOMETER 2600 WET BULB (၃ (၃ SALINITY Tape/Diskette ID ORY BULB ξ Q H W TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHAM W 35 A U G 9 B Œ HX213 8 DATE JD= DAY FUGH JD/TIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH Z PAR DATA ON TIMES PPESSURE LATITUDE 505830 THIP DEPTH 7 2 55.4 9 3 Alpha Helix TYPE & SN Ê PRESS SN NS QNOO TEMP SN TEMP SN VESSEL CAST POS. 10 12 Ξ ß ဖ œ 0

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VESSEL Alpha Helix			-	PROJECT & LEG	& LEG	27601.2	'2m	STATIO	STATION DESIGNATION	NATION		
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TYPE & SN		DATA ON			Tape/Diskette ID		File Name/Header		£3			
PRESS SN		START DOWN			·							
TEMP SN		АТ БЕРТН	85		1			<u></u>				
COND SN		AT SURFACE				2	50		MAX. DEPTH =	PTH =	,	E
TEMP SN		PAR	PEUOR		ChlAM	TRANSMISSOMETER		d air ble	Cleaned air bleed valve	6		
POS. TRIP DEPTH			CTD CONVE	CTD CONVERTED MONITOR VALUES	OR VALUES		SAMPLE BOTTLE DATA	тте	SAMP	SAMPLE BOTTLE NUMBER	LENUM	BER
Š	FRESSURE	335	PRI. TEMP.	38	SEC. TEMP	SALINITY	SALINITY	>	SAL.	NUTR.	岩	WHIT'S NUTR.
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WHIT'S NUTR SKAILOS Ε NAME/ID SAMPLE BOTTLE NUMBER STA. 占 BOTTOM DEPTH STATION DESIGNATION MAX. DEPTH = REPER PROPERTY. REMARKS Cleaned air bleed valve WEND (AMI)
CLOUD (AMI)
TYPE

METATHER SAL. (ent/s) SAMPLE BOTTLE DATA SALINITY WIND DIRN. 000 (deg) File Name/Header SEA STATE VISIBILITY 995 DATA LOCATION (mb) 00 THANSMISSOMETER WET BULB ပ္ SALINITY Tape/Diskette ID DRY BULB ပ္ပ 1442 ¥ E (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHAM .9 0 W Z S A U G 9 8 ¥ HX213 ₹ DATE JD= DA≺ FUOR JD/TIME PRI. TEMP. LONGITUDE START DOWN 1823 AT SURFACE AT DEPTH <u>R</u> DATA ON 8 TIMES PRESSURE 0525 035 40N 58LATITUDE 9 0.9 20.0 Alpha Helix TYPE & SN 3 £ PRESS SN COND SN TEMP SN TEMP SN **VESSEL** SONSC CAST S. 10 12 Ξ က 9 œ 6

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TEMP SN		АТ ДЕРТН	#1		- 	(%)								
COND SN	-	AT SURFACE	W		4						MAX. DEPTH =	EPTH =		Ε
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.so 1. 30	тяр ОЕРТН	С.	CTD	CTD CONVERTED	O MONITOR VALUES	VALUES		*.	SAMPLE	SAMPLE BOTTLE DATA	SAM	SAMPLE BOTTLE NUMBER	LE NUMI	BER
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VESSEL				PR	PROJECT & LEG	9	2	Wares.	,	STATIC	STATION DESIGNATION	NOTIAN.	_	-
Alpha Helix				HX213	213			270 1.	7		0770	0		
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TEMP SN		PAR	K	FLUOR	ChlAM		TRANSMISSOMETER	SOMETER	Cleane	Cleaned air bieed valve	ed valv	9/		
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WHIT'S NUTR. 49K1COS Ε NAME/ID SAMPLE BOTTLE NUMBER 占 BOTTOM DEPTH STATION DESIGNATION $\widehat{\mathbb{E}}$ MAX. DEPTH = NGTA. REMARKS Cleaned air bleed valve S WIND (amt)
CLOUD (amt)
TYPE
MEATHER SAL. 9966300258 (sut) SAMPLE BOTTLE DATA WIND SALINITY (deg) File Name/Header YTUIBISIV 2700/2m SEA STATE (mb) DATA LOCATION **BUESSOLUE** TRANSMISSOMETER WET BULB <u>ဂ</u> SALINITY Tape/Diskette ID ORY BUB (S) NE E GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG 6 W2 5 A U G 9 8 1 ChIAM Œ HX213 S DATE JD= DAY A LOS JD/TIME PHI. TEMP. LONGFIUDE ₹ START DOWN AT SURFACE PAR AT DEPTH DATA ON 0555842158N168 TIMES PHESSURE LATITUDE ₹ 47.5 OEPTH DEPTH 30.2 1 9 20.7 101 Alpha Helix TYPE & SN 6 PRESS SN COND SN TEMP SN TEMP SN VESSEL SONSC CAST PQS. 10 12 -ဖ æ 6

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WHIT'S NUTR. 40NACOX Ε NAME/ID SAMPLE BOTTLE NUMBER STA. 문 BOTTOM DEPTH STATION DESIGNATION SEE. MAX. DEPTH = REMARKS Cleaned air bleed vaive SP MIND (amt)
CLOUD (amt)
WEATHER 1032878 SAL. To All SAMPLE BOTTLE DATA MIND SALINITY (ded) OFFIN N File Name/Header S.m. VISIBILITY 166 SEA STATE DATA LOCATION (mb) Waves 1 **BUCSSALUE** TRANSMISSOMETER WET BULB <u>ဂ</u> SALINITY Tape/Diskette ID PHZ BULB ပ္ ¥ E GMT) b CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG 149W25AUG981 CHIAM ¥ HX213 8 DATE JD= DAY / FUOR JD/TIME PRI, TEMP. LONGITUDE ₹ START DOWN AT SURFACE AT DEPTH -PAR DATA ON S1012181414.171311168 9 TIMES PHESSURE LATITUDE Z DEG 28 Alpha Helix TYPE & SN 3 g PRESS SN COND SN TEMP SN TEMP SN SONSC VESSEL CAST SS. 0 - က ဖ 8 O

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AT DEPTH AT DEPTH AT STAFF DOWN AT DEPTH AT SUPFACE CTD CONVERTED MONITOR VALUES SAMPLE BOTTLE CTD CONVERTED MONITOR VALUES SALINITY SALIN	Đ.		TIMES	II.J/Qr	ME		_	0	ATA LOC	ATION			REMARK	S		
AT DEPTH AT SUPFACE TO CONVERTED MONITOR VALUES SALINITY	NS X		DATA ON			- 12	ape/Diske	ette ID	Ĕ	Name/	Header	!				
AT SUPFACE AT SUPFACE AT SUPFACE TO CONVERTED MONITOR VALUES PITH THESSIFE PRI TEMP. SEC. TEMP SALINITY SALINITY S. 2.7	NS.		START DOW	Z		e										
AT SUBFACE The Cham Thansmissometer Cleaned air blees of the CTD Convertied Montror values Salinity S	S	85	AT DEPTH		6 3	L							i			
PTH CTD CONVENTED MONITOR VALUES SAMPLE BOTTLE DATA FILE F	SS		AT SURFACE	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	. 100	37							AAX. DEI	PTH =		٤
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5.4 NJTR. SEC.TEMP SALINITY SAL. NJTR. 22.7 SALINITY SAL. NJTR. 22.7 SALINITY SALINI	TRIP DEPTH			CTDCON	WERTED MC	NOTION V	NUES			S	AMPLE BO DATA	TTLE	SAMPI	LE BOTT	LE NUM	BER
45.t 23.c 2.7 9.3 6.7 6.7		FRESS	Щ.	PRI. TEA	JP.	SEC. TE	•	SAI	<u></u> FIN		SALINIT			NOTE	불	WHIT'S NUTR.
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C10171MA WHIT'S NUTH. Ε NAME/ID SAMPLE BOTTLE NUMBER WIND COOL (AMIL)

CLOUD (AMIL)

TYPE

TYPE

(M) 占 STATION DESIGNATION MAX. DEPTH = <u>K</u> 0 REMARKS Cleaned air bleed valve त SAL. 30 SAMPLE BOTTLE DATA SALINITY MIND (deg) 1320 File Name/Header SEA STATE VISIBILITY DATA LOCATION S (gm) **BUNSSBUU** 3000 TRANSMISSOMETER WET BULB <u>လ</u> SALINITY 5.00 Tape/Diskette ID ORY BULB ပ္ပ ¥ E GMT) CTD CONVERTED MONITOR VALUES 351N16808.33W2SAUG98181 SEC. TEMP PROJECT & LEG CHAM Œ HX213 Ş DATE JD= DAY / FLUOR JD/TIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH DATA ON FA3 9 TIMES PRESSURE LATITUDE Z 585858 9 30.0 21.4 TRIP DEPTH 8 6.8 Alpha Helix TYPE & SN CTD PRESS SN COND SN TEMP SN TEMP SN VESSEL CAST N S 10 12 2 9 œ O)

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WHIT'S NUTR. 43 NICO1 Ε NAME/ID SAMPLE BOTTLE NUMBER STA. 占 WIND (amt)
CLOUD (amt)
TYPE
WEATHER
DEPTH STATION DESIGNATION MAX. DEPTH = NOTH. REMARKS Cleaned air bleed valve 432030877 SAL. (FINTS) SAMPLE BOTTLE SALINITY WIND DIPN. DATA (deg) File Name/Header 0 VISIBILITY Ū 00 SEA STATE DATA LOCATION (qm) HPESSUPE THANSMISSOMETER WET ပ္ပ SALINITY Work 3.0 Tape/Diskette ID ORY BULB <u>ဂ</u> N∰ E TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHAM 172/11/68/51.77/W2/5TA UG9/8 Œ HX213 Ş DATE JD= DAY 7 Fuon JD/TIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE PAH AT DEPTH DATA ON 9 TIMES PRESSURE LATITUDE Ø-₹ E 595851 TRIP 8 3 Alpha Helix TYPE & SN 0 £ PRESS SN COND SN TEMP SN TEMP SN CAST **VESSEL** Š 0 12 - Ø က S 9 æ 6

WHIT'S NUTH. Ε #15TWITIPIO/ NAME/ID SAMPLE BOTTLE NUMBER STA. 占 SPD. CLOUD (amt) STATION DESIGNATION MAX. DEPTH = EE SE REMARKS Cleaned air bleed valve SAL. SAMPLE BOTTLE SALINITY WIND DIRN. DATA (deg) 09/5-13/6 File Name/Header 2.5 310 VISIBILITY SEA STATE DATA LOCATION (mp) TRANSMISSOMETER Wares WET BULB <u>(၃</u> SALINITY Tape/Diskette 1D DRY BULB <u>(၃</u> GMT) CITD CONVERTED MONITOR VALUES Ŧ SEC. TEMP PROJECT & LEG CHIAM σ 旡 159 W24A0G9 HX213 Ş DATE JD= DAY ENGH. JD/TIME PHI. TEMP. LONGITUDE ₹ START DOWN AT SURFACE PAH AT DEPTH DATA ON TIMES 9 PHESSURE z 05854.97 28.5 LATITUDE 8 ₹ DEPTH DEPTH 92 30 Alpha Helix Q TYPE & SN CE PRESS SN NS GNOO **TEMP SN** TEMP SN VESSEL SONSC CAST S. 0 2 - c S ဖ O 4 8

14/2 M1 403 WHIT'S NUTR. Ε NAME/ID SAMPLE BOTTLE NUMBER WIND OUD (SMILL) 몽 STATION DESIGNATION MAX. DEPTH = NGTA. AOZ Cleaned air bleed valve REMARKS 6 72 SAL. 32020 SAMPLE BOTTLE SALINITY WIND DIPN. DATA (deg) File Name/Header 3200 SEA STATE VISIBILITY DATA LOCATION (mb) **BESSONE** Dave THANSMISSOMETER WET BULB <u>ဂ</u> SALINITY Tape/Diskette 1D ORY BULB <u>(၃</u> ¥ E 17/4/ TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHIAM 8 Œ 70W2C A UG 9 HX213 8 DATE JD= DAY FLUOR **JD/TIME** PRI TEMP LONGITUDE ₹ START DOWN AT SURFACE 5850.36N16821 AT DEPTH | PAR DATA ON TIMES 9 HESSEL B 30.4 σ-LATITUDE 9 Z ∑ OFFTE PEPPE 9 Ž Alpha Helix TYPE & SN 0 CTD 0 PRESS SN COND SN TEMP SN TEMP SN VESSEL CAST <u>=</u> S 10 12 က - S æ 9 6

WHIT'S NUTR. GONTAOS Ε NAME/ID SAMPLE BOTTLE NUMBER STA. WIND OUT (amt) 풍 STATION DESIGNATION V (ϕ o S<u>E</u> MAX. DEPTH = REMARKS Cleaned air bleed valve SAL. SAMPLE BOTTLE SALINITY WIND DIPN DATA ш Д (deg) File Name/Header Θ 320 12.5 VISIBILITY SEA STATE DATA LOCATION (mp) 1 are TRANSMISSOMETER WET SALINITY <u>(၃</u> <u>2</u> Tape/Diskette ID DRY BULB ပ္ NEW H 0/cp/5/8/4/51.70/1/6/2/6/8/5/W2CAUG9/8/1/8/4/ TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHIAM Œ HX213 S DATE JD= DAY MEUOR JD/TIME PHI, TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH Z PAR DATA ON TIMES 8 HESSURE LATITUDE **Z** 328 45.8 OFFE HPPA DEG 22 Alpha Helix TYPE & SN Ę PRESS SN NS QNOO TEMP SN TEMP SN CONSC **VESSEL** CAST Š 10 12 -N c S 9 8 6

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WHIT'S NUTR. N/ 000 Ε NAME/ID SAMPLE BOTTLE NUMBER STA. 占 BOTTOM DEPTH STATION DESIGNATION $\widehat{\mathbb{E}}$ MAX. DEPTH = EE SE REMARKS Cleaned air bleed valve WEATHER CLOUD (amt) TYPE CLOUD (amt) SAL. (First) 70 SAMPLE BOTTLE WIND DIRN. SALINITY DATA (deg) File Name/Header SEA STATE VISIBILITY o 09 DATA LOCATION N (gm) works **HEESSUBE** 3200 TRANSMISSOMETER WET BULB <u>(၃</u> SALINITY Tape/Diskette ID ORY BUB <u>(</u> 016357814131.1361N116812191.421W216101918119116 **Z** TIME (GMT) CTD CONVERTED MONITOR VALUES Ŧ SEC. TEMP PROJECT & LEG CHIAM ¥ HX213 DATE JD= DA≺ FLUOR JD/TIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH ₩ H DATA ON TIMES 图 PRESSURE 20.2 32 4 LATITUDE Alpha Helix TYPE & SN £ PHESS SN COND SN TEMP SN TEMP SN CAST **VESSEL** POS. 0 က 4 τO 9 œ 0

WHIT'S NUTH. ST3 INITIA 10TO Ε NAME/ID SAMPLE BOTTLE NUMBER STA. 동 BOTTOM DEPTH PEPTH STATION DESIGNATION MAX. DEPTH = NSTEN Ξ REMARKS Cleaned air bleed valve WIND CLOUD (amt) WEATHER SAL. (mrts) SAMPLE BOTTLE WIND DIRN. SALINITY DATA (ded) File Name/Header VISIBILITY SEA STATE DATA LOCATION NICO (mb) 0 **LHESSANKE** TRANSMISSOMETER WET BULB <u>ဂ</u> SALINITY 3 320 Tape/Diskette ID <u>ဂ</u> 7 W26 A UG9 8 1 9 5 9 H MIN GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG ChIAM ⊈ HX213 S DATE JD= DAY FLUOR JD/TIME PRI, TEMP. LONGITUDE 0 645890.93N16832.11 START DOWN AT SURFACE AT DEPTH PAR DATA ON TIMES 9 FIESSUR 58,40.93 LATITUDE 52 TRIP DEPTH 12.4 Alpha Helix TYPE & SN £ PRESS SN NS GNOO TEMP SN TEMP SN CAST VESSEL POS. 7 S φ œ 6

WHIT'S NUTR. SAMI ADOS Ε NAME/ID SAMPLE BOTTLE NUMBER STA. 물 BOTTOM DEPTH STATION DESIGNATION NETH. MAX. DEPTH = (E Cleaned air bleed valve REMARKS SP WIND (SIMI) SAL. ptst SAMPLE BOTTLE WIND DIRN. SALINITY 320 DATA (deg) File Name/Header mo VISIBILITY SEA STATE M 40 DATA LOCATION 0 (mp) Whise 3260 TRANSMISSOMETER WET BULB SALINITY ပ္ပ Tape/Diskette ID ORY BULB <u>ဂ</u> ₹ GMT) CTD CONVERTED MONITOR VALUES 0655836.23N76833.22W24AUG98211 Ŧ SEC. TEMP PROJECT & LEG CHIAM Œ HX213 § DATE JD= DA√ FLOSH JD/TIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH PAH DATA ON TIMES 8 HESSER LATITUDE <u>Z</u> 553 31.8 OEPTH OFFTH 1 9 Alpha Helix 0' TYPE & SN E E PRESS SN COND SN TEMP SN TEMP SN CAST VESSEL Š 12 10 -2 9 ~ Ø 6

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VESSEL				PROJEC	PROJECT & LEG		3	36	e		STATIO	STATION DESIGNATION	NATION		
Alpha Helix				HX213			\ - -	320	2.00		2	7	\downarrow		
	LATITUDE	HONGITUDE	DATE	30° 51°	TIME	(6)	DRY BULB	WET	SEA STATE	VISIBILITY WIND VISIBILITY	WIND SPD.	CLOUD (amt) TYPE MEATHER	BOTTOM		STA. NAME/ID
DEG DEG		DEG	DAY	Y MO	H H	Z	(၁့)	(၁)	(mb)	(deg)	(sturt)	*	(II)		-
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CTD	F	TIMES	JD/TIME				DA	DATA LOCATION	ATION			REMARKS	S		
TYPE & SN	DA	DATA ON			Tape/	Tape/Diskette ID	te ID	Ĭ	File Name/Header	Header	ļ				
PRESS SN	ST	START DOWN			38										
TEMP SN	AT	AT DEPTH		•		i.		1			 !		0.		!
COND SN	AT	AT SURFACE		1] !			 _	MAX. DEPTH =	:PTH =		æ
TEMP SN		J PAR	7 FLUOR		ChIAM	E	TRANSMISSOMETER	OMETER	<u> </u>	Cleane	Cleaned air bleed valve	ed valv	e e		
POS. TRIP DEPTH			TD CONVE	TTED MON	CTD CONVERTED MONITOR VALUES	SS	.			SAMPLE BOTTLE DATA	TTLE	SAMF	SAMPLE BOTTLE NUMBER	LENUM	BER
8	HINSSH	M)	PRI, TEMP.		SEC. TEMP	24	SAL	SALINITY		SALINITY	>	SAL.	NUTR.	GÆ.	WHIT'S NUTR.
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WHIT'S NUTR. NAME/ID CANTAI SAMPLE BOTTLE NUMBER 占 BOTTOM DEPTH STATION DESIGNATION E MAX. DEPTH = EES. REMARKS Cleaned air bleed valve CLOUD (amt)
TYPE
RATHER SAL. MIND (State SPD. 1 SAMPLE BOTTLE SALINITY WIND DIPN. (deg) 0 0 0 DATA 1.5m File Name/Header Wave 32001. VISIBILITY SEA STATE 780 DATA LOCATION (mp) FRESSURE TRANSMISSOMETER WET BULB (၃) SALINITY Tape/Diskette ID ORY Butb <u>(</u> ¥ E GMT) CID CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG HX213 CHAM G 9 8 Œ 8 DATE JD= 7 W 7 C V U DAY //||FLUOR JD/TIME PRI, TEMP. LONGITUDE START DOWN AT SURFACE PAR AT DEPTH DATA ON 9 TIMES PHESSURE 5/8 N 1.8 0.0 17.4 4 LATITUDE 8.0 Z 4 TAIP DEPTH DEG DEG Alpha Helix TYPE & SN Ę M PRESS SN COND SN K TEMP SN TEMP SN VESSEL SONSC CAST SS 12 0 က œ

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VESSEL Alpha Helix			3)	Œ X	PROJECT & LEG HX213	9:		Mar 320°	1.00	ζ.	STATIO	N DESIG	STATION DESIGNATION)	
	-			<u>.</u>		TIME	DRY	WET	ESSURSE EXATE			(Jms) (Jung) PPE R3HTAER	BOTTOM		STA.
# DEG	LATITUDE	LONGITUDE DEG MIN		DATE JD= DAY MO	-0 Q	H MIN	(C)	,	. oi		SPO.	M .	(m)		NAME/ID
285870	5-10 N	16820	0.83 W	3 W27A	U G 9 8	6400	7	-	093	320	0	1	V	X	E111
GES .	F	TIMES	JD/TIME	ME		8010	Ô	DATA LOCATION	ATION			REMARKS	S		
TYPE & SN		DATA ON			. (1)	Tape/Diskette 1D	ette 1D	File	Name	File Name/Header					
PRESS SN	<u> </u>	START DOWN	z		ē:										
TEMP SN	<u> </u>	AT DEPTH		*		94	٠				<u>.</u> !				
COND SN	<u> </u>	AT SURFACE			,		-		ēs	,	۷.	MAX. DEPTH =	PTH =	:	Ε
TEMP SN	<u> </u>	PAR	PRUOR	₩ ₩	ChlAM		TRANSMISSOMETER	SOMETER		Cleaned air bleed valve	air ble	ed valv	.		
POS. TRIP DEPTH	÷		CTD CONVERTED		MONITOR VALUES	VALUES			100	SAMPLE BOTTLE DATA	TILE	SAMP	SAMPLE BOTTLE NUMBER	LE NOM	BER
-	PRESSURE	₩ ₩	PRI. TEMP.	<u>ā</u>	SEC, TEMP	EMP	SAI	SALINITY		SALINITY		SAL.	E S	븅	WHIT'S NUTH.
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WHIT'S NUTR 57 MIE09 Ε NAME/ID SAMPLE BOTTLE NUMBER 占 BOTTOM DEPTH STATION DESIGNATION MAX. DEPTH = RES. REMARKS Cleaned air bleed valve SPO (amt)
CLOUD (amt)
WEATHER SAL. (tuts) 1 SAMPLE BOTTLE DATA SALINITY MIND (ded) DIPIN File Name/Header SEA STATE VISIBILITY 760 DATA LOCATION (mb) Waves TRANSMISSOMETER WET BULB ပ္ပ SALINITY Tape/Diskette ID DRY BULB ပ္ 5 NE H TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP 9 8 0 PROJECT & LEG CHAM 吳 168151871WATAUG HX213 9 DATE JD= DA≺ A LOS JD/TIME PRI. TEMP. LONGITUDE ₹ START DOWN AT SURFACE AT DEPTH æ Æ DATA ON 9 TIMES HESSET Z LATITUDE 695829.8 B 1 ₹ TRIP DEPTH 9 Alpha Helix TYPE & SN B PRESS SN COND SN TEMP SN TEMP SN VESSEL SONSC 3 CAST SS. 10 12 <u>_</u> S 9 œ 6

1 2031 WHIT'S NOTR. Ε NAME/ID SAMPLE BOTTLE NUMBER STA. F F 문 SPD OLOUD (AMIL) STATION DESIGNATION NETH. MAX. DEPTH = D. Cleaned air bleed valve REMARKS SAL. SAMPLE BOTTLE DATA SALINITY WIND DIPIN. 3/0 (deg) File Name/Header VISIBILITY 09 11 SEA STATE DATA LOCATION (mp) BUCSSTUE TRANSMISSOMETER Samo WET BULB 3100 ပ္ပ SALINITY <u>v</u> DRY BULB Tape/Diskette ID ပ္ 0227 ¥ Y GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG ChIAM 8 矢 6 33 W27 A UG HX213 8 DATE JD= DĄ MRUOR JD/TIME PHI. TEMP. LONGITUDE ₹ START DOWN 3 AT SUPFACE AT DEPTH V PAR DATA ON <u>%</u> TIMES 8 HESSUR z 0 LATITUDE ₹ 170151832 OEPTH DE 21.7 8 Alpha Helix TYPE & SN E E PRESS SN COND SN TEMP SN **TEMP SN** VESSEL CAST 8 12 Ξ 0 ဖ 8 O)

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WHIT'S NUTR. 5 ZN1 E07 NAME/ID SAMPLE BOTTLE NUMBER STA. 중 BOTTOM DEPTH STATION DESIGNATION MAX. DEPTH = NOTE: REMARKS Cleaned air bleed valve WIND CLOUD (&mt) TYPE WEATHER SAL (Extra) 7 SAMPLE BOTTLE WIND DIPN. SALINITY (ded) DATA File Name/Header 3 VISIBILITY Bare SEA STATE DATA LOCATION (mb) TRANSMISSOMETER WET BULB <u>(၃</u> SALINITY Tape/Diskette 1D DAY BULB <u>ဂ</u> ¥ E GMT) S CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHAM 2 W 27 A U G 9 8 Œ HX213 8 DATE JD= DAY FLVOR JD/TIME PRI, TEMP. LONGITUDE ₹ START DOWN AT SURFACE AT DEPTH P& DATA ON TIMES 9 HESSUR 5834.53N LATITUDE **≥** 20.7 9 46.1 7 Alpha Helix TYPE & SN E E PRESS SN COND SN **TEMP SN** TEMP SN SONSC VESSEL CAST SS 10 12 - œ 9 O

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WHIT'S NUTH. STA. NAME/ID 79 N FOR Ε SAMPLE BOTTLE NUMBER 붕 BOTTOM DEPTH STATION DESIGNATION MAX. DEPTH = NET SE REMARKS Cleaned air bleed valve SPOUD (amt)
MEATHER
MEATHER SAL. (m/s) SAMPLE BOTTLE WIND SALINITY DATA (ded) File Name/Header SEA STATE YTUIBISIV DATA LOCATION (mp) g yours ò TRANSMISSOMETER WET ပ္ SALINITY Tape/Diskette ID DAY BULB <u>ဂ</u> N W H TIME (GMT) 034 CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG ChIAM 8 吳 6 05.51 W27AUG HX213 8 DATE JD= DAY 在 RDBH JD/TIME PRI, TEMP. LONGITUDE Z START DOWN AT SURFACE AT DEPTH - F DATA ON N / 6/2 TIMES 5 HESSLE LATITUDE 072583912 Z 20,3 30.7 0.8 TRIP DEPTH 9 Alpha Helix TYPE & SN g PRESS SN COND SN TEMP SN TEMP SN VESSEL CONSC CAST 8 12 0 1 ထ O

1808 WHIT'S NUTR. Ε NAME/ID SAMPLE BOTTLE NUMBER WIND OUD (AMENTHER DEPTH 方 STATION DESIGNATION MAX. DEPTH = NETHA FILE REMARKS Cleaned air bleed valve SAL. 31018 SAMPLE BOTTLE WIND DIRN. SALINITY (ded) DATA File Name/Header 310 VISIBILITY - DATA LOCATION 094 SEA STATE (mb) Daves THANSMISSOMETER WET BULB (၁ SALINITY OAY BULB Tape/Diskette ID <u>(၃</u> H WIN TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHIAM | A | U | G | B | 똣 HX213 8 DATE JD= DA√ 25W 7 7 40 FLUOR JOJIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE DATA ON AT DEPTH PA FA TIMES 9 PRESSURE $\frac{1}{z}$ LATITUDE **Z** TAIP DEPTH 8 2013 Alpha Helix TYPE & SN 6.0 g PRESS SN COND SN TEMP SN **TEMP SN** CAST VESSEL POS. 0 - ထ œ 6

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WHIT'S NUTR. ٤ NAME/ID SAMPLE BOTTLE NUMBER STA. BOTTOM DEPTH STATION DESIGNATION MAX. DEPTH = REMARKS Cleaned air bleed valve WIND
SPD.
CLOUD (amt)
YPPE
WEATHER SAL. 09 4-31016-1 · form SAMPLE BOTTLE WIND DIPN. SALINITY (deg) DATA File Name/Header VISIBILITY 101 SEA STATE DATA LOCATION (mp) Waves 3100 TRANSMISSOMETER WET BULB <u>(</u> SALINITY Tape/Diskette ID ORY BUTB (၃ 19 8 19 18 ¥ E GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG HX213 CHIAM Œ § DATE JD= 35 W24 1 DAY FLOOR FLOOR JD/TIME PRI. TEMP. LONGITUDE ₹ START DOWN AT SURFACE AT DEPTH <u>₽</u> DATA ON 60 9 TIMES PRESSURE LATITUDE ₹ 43 TIRIP DEPTH BANS 43.2 8 3 200 Alpha Helix TYPE & SN 9 PRESS SN COND SN TEMP SN TEMP SN SONSC VESSEL CAST POS. 10 12 - က 8 6

WHIT'S NUTR. Ε NAME/ID STA. SAMPLE BOTTLE NUMBER 占 BOTTOM DEPTH STATION DESIGNATION (E) MAX. DEPTH == ₩. Cleaned air bleed valve REMARKS WIND CLOUD (amt) YPPE WEATHER SAL. (m/s) SAMPLE BOTTLE 3/02 MIND SALINITY (ded) DATA DIFIN File Name/Header SEA STATE VISIBILITY 080 DATA LOCATION (mp) Lanes THANSMISSOMETER WET <u>ဂ</u> SALINITY <u>v</u> DAY BULB Tape/Diskette ID **်** ¥ E GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG ChIAM 8 \mathcal{F} ATAUGS HX213 8 DATE JD= JOTTIME 1 DA√ A.100.7 PRI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH A TA DATA ON TIMES PHESSURE LATITUDE Z S PEPTH DEFINE 10.3 5 0.0 Alpha Helix TYPE & SN 9 PRESS SN COND SN TEMP SN TEMP SN VESSEL CONSC CAST POS. 0 12 -ဖ œ 6

WHIT'S NUTR. Ε NAME/ID 44N (CO SAMPLE BOTTLE NUMBER STA. ᆼ 딩 WIND OF HER SPD. CFPTH DEPTH STATION DESIGNATION NETA. MAX. DEPTH = REMARKS Cleaned air bleed valve SAL. (m/s) SAMPLE BOTTLE SALINITY WIND DIPIN. 295 DATA (deg) File Name/Header 300 VISIBILITY 093 SEA STATE DATA LOCATION (mb) Wave THANSMISSOMETER WET BULB ပ္ပ SALINITY Tape/Diskette ID OAY BULB <u>ဂ</u> 127 Z Z TIME (GMT) CTD CONVERTED MONITOR VALUES £ SEC. TEMP 8 PROJECT & LEG CHIAM Œ 1.515 W217 A U G 9 HX213 Ş DATE JD= DA≺ HODE HOOR JD/TIME PRI. TEMP. LONGITUDE Z START DOWN AT SURFACE AT DEPTH DATA ON N 1 C 3 TIMES HESSUE LATITUDE 00 2.3 2:4 77 ₹ <u>०७८५६</u> OEPTH DEPTH 9 Alpha Helix TYPE & SN 15/ 6 PRESS SN COND SN 9 TEMP SN TEMP SN 0 VESSEL SONSC Ø 6 0 CAST SS 12 10 - S ဖ œ 6

WHIT'S NUTR. Ε 44 NICOI NAME/ID STA. SAMPLE BOTTLE NUMBER BOTTOM DEPTH STATION DESIGNATION MAX. DEPTH = (E) **₹** REMARKS Cleaned air bleed valve WN WOOUD (amt) 7 SAL. (m/s) SAMPLE BOTTLE MIND 0936295 SALINITY DATA (deg) DITA N File Name/Header SEA STATE VISIBILITY 11 DATA LOCATION (mb) 36001 Bares WIA 03 NIAOS WET <u>ဂ</u> XA07 Tape/Diskette ID DHY BULB ပ္ပ \$ 2 015/11/2012/18/01/2/18/10/01/01/01/01/11/19/01 TIME (GMT) 63 PROJECT & LEG 7 Ŧ 20/2 HX213 § DATE JD= DA√ JO/TIME AFW CTD CON PH. TE LONGITUDE Z START DOWN AT SUBFACE AT DEPTH DATA ON | **∏**PAR TIMES 8 PHESSURE 18.4 5.9 611 LATITUDE B 2.0 3.7 6.3 3.2 N Z 1717581511 HAIP DEPTH 9 Alpha Helix TYPE & SN 뜮 PRESS SN NS GNOO TEMP SN TEMP SN , O CAST ø Ś VESSEL PQ S 12 9

Pod PG OF	PROJECT & LEG STATION DESIGNATION HX213 $\lambda \mathcal{I} \subset \lambda$	TIME DRY WET SO DIAN. SPD. CI S DEPTH NAME/ID	9 W 2 C A LI G O B 1 9 S 1 7 B 0 9 3 2 2 9 5 1 0 2	DATA LOCATION REMARKS	Tape/Diskette ID File Name/Header			MAX. DEPTH = m	FLUOR ChIAM TRANSMISSOMETER Cleaned air bleed valve	CTD CONVERTED MONITOR VALUES SAMPLE BOTTLE NUMBER DATA	PRI. TEMP. SEC. TEMP SALINITY SAL. NUTR. CHL. NUTR.							95					
	PROJECT & LI HX213	DATE	DAY MO Y	51. 0 9 W 2 8 A U G 9 8		START DOWN	АТ ОЕРТН	AT SURFACE		CTD CONVERTED MONITOR		 ■				57/2		95				;	
		LONGITUDE	DEG 7	TIMES	DATA ON						PRESSURE	16	70,5	5.4	2.5	2.3	2.3	2.4		III.			
	VESSEL Alpha Helix		DEG V	7 0	TYPE & SN	PRESS SN	TEMP SN	COND SN	TEMP SN	POS. TRIP DEPTH		1	2 10	3 5	4	5 0	\Box	7 0	8	6	10	11	

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WHIT'S NUTR. SXXINOS STA. NAME/ID Ε SAMPLE BOTTLE NUMBER 문 SPD. CLOUD (amt) STATION DESIGNATION MAX. DEPTH = NETS. REMARKS Cleaned air bleed valve SAL. SAMPLE BOTTLE WIND DIRN. SALINITY DATA (ded) File Name/Header VISIBILITY SEA STATE 093 DATA LOCATION (mb) TRANSMISSOMETER WET BULB ق SALINITY Tape/Diskette ID OHY BULB ပ္ GMT) 8202 CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG CHIAM 旡 4 W2 8 A UG9 HX213 9≥ DATE JD= DAY A FLOSH JO/TIME PRI. TEMP. LONGITUDE ₹ E START DOWN AT SURFACE AT DEPTH <u>₩</u> DATA ON TIMES 9 HESSUE z 0.43 8.2 14.2 400 LATITUDE 4.3 5.0 wi 3.4 4 Z 07 4 DEG 1 STONES 80 Alpha Helix 20 TYPE & SN S E PRESS SN COND SN a 3 TEMP SN TEMP SN SONSC VESSEL CAST S. 12 0 - 9 æ

WHIT'S NUTR. Ε NAME/ID SAMPLE BOTTLE NUMBER STA. CH. WIND OW PE BOTTOM SPD. CO P WE DEPTH STATION DESIGNATION MAX. DEPTH = ES ES REMARKS Cleaned air bleed valve SAL. (deg) (m/s) 0 40 88 SAMPLE BOTTLE SALINITY WIND DIPIN. File Name/Header 4 VISIBILITY 350 SEA STATE DATA LOCATION (gm) TRANSMISSOMETER Waves WET BULB <u>(၃</u> SALINITY Tape/Diskette ID ORY BULB <u>(၃</u> ¥ E TIME (GMT) 8 CTD CONVERTED MONITOR VALUES (1/18) SEC. TEMP PROJECT & LEG ChIAM ¥ WAT A UGB HX213 § DATE JD= DA≺ FUOR JD/TIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE AT DEPTH PAR DATA ON TIMES 9 HESSER 5938.38 LATITUDE Z TIRIP DEPTH DEG 29.2 Alpha Helix Q TYPE & SN 6 PRESS SN COND SN TEMP SN TEMP SN VESSEL CAST S. 12 10 ო 2 9 œ O