

VESSEL Alpha Helix		PROJECT & LEG HX240-222		STATION DESIGNATION NIC X 15	
CONSC CAST #		LATITUDE		LONGITUDE	
2015938.38 N		167 14.00 W		DATE JD=	
2015938.38 N		167 14.00 W		11 AUG 98	
TIME (GMT)		DRY BULB (°C)		WET BULB (°C)	
1519		7.2		11.3	
SEA STATE		WIND DIRN. (deg)		WIND SPD. (m/s)	
180		180		10	
PRESSURE		CLOUD (amt)		WEATHER	
1136		762		50	
CTD		DATA LOCATION		REMARKS	
TYPE & SN		Tape/Diskette ID		File Name/Header	
PRESS SN		START DOWN		mi/ky green	
TEMP SN		AT DEPTH			
COND SN		AT SURFACE		MAX. DEPTH = m	
TEMP SN		CCTD CONVERTED MONITOR VALUES		Cleared air bleed valve	
TRIP DEPTH		PAR		FLUOR	
1		23		10	
2		10		10	
3		0		10	
4		0		10	
5		0		10	
6		0		10	
7		0		10	
8		0		10	
9		0		10	
10		0		10	
11		0		10	
12		0		10	

VESSEL Alpha Helix		PROJECT & LEG HX249 222		STATION DESIGNATION N/CX13									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD=	TIME (GMT)	WET BULB (°C)	DRY BULB (°C)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
2025	29.06 N	167.24 W	11 AUG 99	1642	4.5	11.35	160	06	762	32	N/CX13		
CTD		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header							
PRESS SN		START DOWN											
TEMP SN		AT DEPTH											
COND SN		AT SURFACE											
TEMP SN								MAX. DEPTH = m					
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE NUMBER					
POS.		PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAL.	NUTR.	CHL.	WHIT'S NUTR.
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

VESSEL		PROJECT & LEG		STATION DESIGNATION												
Alpha Helix		HX249-222		220° 1.0												
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
2045	916:35 N	16749.95 W	11 AUG 98	1921	6.1		1.03	6070	4	762						
CTD		JD/TIME		DATA LOCATION		REMARKS										
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header										
PRESS SN		START DOWN														
TEMP SN		AT DEPTH														
COND SN		AT SURFACE														
TEMP SN																
TRIP DEPTH																
POS.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION																
Alpha Helix		HX249 222		22691.0 68 NIC08																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO														YR
211	58	35	44	N	16	02	39	37	W	12	A	U	G	9	8	7	2	55		
CTD		TIMES		JD/TIME		99		DATA LOCATION											REMARKS	
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header														
PRESS SN		START DOWN																		
TEMP SN		AT DEPTH																		
COND SN		AT SURFACE																	MAX. DEPTH = m	
TEMP SN																				
TRIP DEPTH																				
POS.																				
1		50																		
2		40																		
3		30																		
4		25																		
5		20																		
6		15																		
7		10																		
8		0																		
9																				
10																				
11																				
12																				

[illegible]

[illegible]

VESSEL Alpha Helix		PROJECT & LEG HX249 222				STATION DESIGNATION 250° / 1.8m															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO													YR		
21	65	21.6	168	39.2	15	AUG	99	7.5		0.936			000	10	872		63m	K13			
CTD		TIMES		JD/TIME		DATA LOCATION													REMARKS		
TYPE & SN		DATA ON				Tape/Diskette ID File Name/Header															
PRESS SN		START DOWN																			
TEMP SN		AT DEPTH																			
COND SN		AT SURFACE																	MAX. DEPTH = m		
TEMP SN						<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input checked="" type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER <input type="checkbox"/> Cleaned air bleed valve															
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA											SAMPLE BOTTLE NUMBER			WHIT's NUTR.
1	6.5																				
2	6.4																				
3	6.8																				
4	6.8																				
5	6.6																				
6	6.7																				
7	6.8																				
8	6.3																				
9																					
10																					
11																					
12																					

VESSEL		PROJECT & LEG		STATION DESIGNATION																	
Alpha Helix		HX249 222		250° 1.0																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO														YR	HR
21858	11	92	N	68	50	07	AUG	98	05	13	09	3	6	35	08	872		60M/Cr			
CTD		TIMES		JD/TIME		99		DATA LOCATION											REMARKS		
TYPE & SN		DATA ON						Tape/Diskette ID		File Name/Header								up cast - appears			
PRESS SN		START DOWN																that Velly first			
TEMP SN		AT DEPTH																was sucked onto pump			
COND SN		AT SURFACE																MAX. DEPTH = m			
TEMP SN																					
TRIP DEPTH																					
POS.																					
1	66.5	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	Cleaned air bleed valve	SAMPLE BOTTLE NUMBER											WHIT'S NUTR.	
2	40.6																				
3	30.4																				
4	20.0																				
5	16.5																				
6	2.4																				
7	2.9																				
8																					
9																					
10																					
11																					
12																					

VESSEL		PROJECT & LEG		STATION DESIGNATION	
Alpha Helix		HX249 222		N1C04	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=
	DEG	MIN	DEG	MIN	DAY MO YR
220	58	44.70	N	168	13.69
					W 12 AUG 99
CTD		JD/TIME		99	
TYPE & SN		DATA ON		Tape/Diskette ID	
PRESS SN		START DOWN		File Name/Header	
TEMP SN		AT DEPTH			
COND SN		AT SURFACE			
TEMP SN				MAX. DEPTH = m	
POS.		TRIP DEPTH		REMARKS	
1	30			From Station Head	
2	20				
3	10				
4					
5					
6					
7					
8	0				
9					
10					
11					
12					

VESSEL		PROJECT & LEG		STATION DESIGNATION																			
Alpha Helix		HX240 222		3001.0 N1C02																			
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	SEC											
221	58	44.7	3	N	168	13.6	4	W	12	AUG	99	8	25	17.8		20.3	63	00	10	8	72	48	ALC04
CTD		TIMES			JD/TIME			DATA LOCATION			Tape/Diskette ID			File Name/Header			REMARKS						
TYPE & SN		DATA ON			START DOWN			AT DEPTH			AT SURFACE			MAX. DEPTH =			m						
PRESS SN																							
TEMP SN																							
COND SN																							
TEMP SN																							
TRIP DEPTH																							
POS.																							
1	20																						
2	20																						
3	13																						
4	13																						
5	9																						
6	9																						
7	5																						
8	5																						
9	3																						
10	3																						
11	0																						
12	0																						

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION								
Alpha Helix		HX249222		N1C04								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WET BULB	SEA STATE	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)		(deg)	(m/s)		(m)		
223	58 44.74 N	168 13.68 W	13 AUG 99	00 01	7.8	2046	300	12	72	48	N1C04	
CTD		JD/TIME		DATA LOCATION		REMARKS						
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header						
PRESS SN		START DOWN										
TEMP SN		AT DEPTH										
COND SN		AT SURFACE						MAX. DEPTH = m				
TEMP SN												
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE NUMBER				
POS.						SAMPLE BOTTLE DATA						
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.		NUTR.	CHL.	WHIT'S NUTR.
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

VESSEL Alpha Helix		PROJECT & LEG HX219-222		STATION DESIGNATION 260° 1.0														
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN														DAY
224	59	49.78	N	16	20	3.54	W	12	AUG	99	15	21	16.8	24.8	26.0	1.4	74	11/24/99
CTD		TIMES		JD/TIME		DATA LOCATION												
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header												
PRESS SN		START DOWN																
TEMP SN		AT DEPTH																
COND SN		AT SURFACE																
TEMP SN						MAX. DEPTH = m												
TRIP DEPTH						Cleaned air bleed valve												
POS.						SAMPLE BOTTLE DATA												
1	1.2					SAMPLE BOTTLE NUMBER												
2	1.9					SAL. NUTR. CHL. WHIT'S NUTR.												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION	
Alpha Helix		HX219-222		240° 10' m N16X15	
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=	
	DEG MIN	DEG MIN	DAY MO YR		
	227 59 38.38 N	147 13.86 W	13 AUG 99		
CTD	TIMES	JD/TIME	DATA LOCATION		
TYPE & SN	DATA ON		Tape/Diskette ID File Name/Header		
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				
TEMP SN			MAX. DEPTH = m		
TRIP DEPTH	CTD CONVERTED MONITOR VALUES				
POS.	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			WHIT'S
1	PRESSURE	SEC. TEMP.	SALINITY	SAL.	NUTR.
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

VESSEL		PROJECT & LEG		STATION DESIGNATION														
Alpha Helix		HX210 222		NIC X8														
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG MIN	DEG MIN	DAY MO YR															
2285910.39 N	16745.01 W	13 AUG 99	99	22303	4.5	223123008										41		
CTD		JD/TIME		DATA LOCATION		REMARKS												
TYPE & SN				Tape/Diskette ID		File Name/Header												
PRESS SN																		
TEMP SN																		
COND SN																		
TEMP SN						MAX. DEPTH = m												
TRIP DEPTH						<input checked="" type="checkbox"/> PAR		<input type="checkbox"/> FLUOR	<input type="checkbox"/> CHAM	<input type="checkbox"/> TRANSMISSOMETER	<input type="checkbox"/> Cleaned air bleed valve							
POS.		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER												
		PRESSURE	PRI TEMP.	SEC. TEMP.	SALINITY	WHIT'S NUTR.												
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

[illegible]

VESSEL	PROJECT & LEG	STATION DESIGNATION
Alpha Helix	HX219-222	210° 1.0 HLC2
CONSC CAST #	LATITUDE 59° 49.4'	LONGITUDE 168° 8.28'
DEG MIN	DATE JD=	TIME (GMT)
230 49 41 N	DAY MO YR	HR MIN SEC
230 49 41 N	WED AUG 9 99	07 19 07
CTD	JD/TIME	DATA LOCATION
TYPE & SN	Tape/Diskette ID	File Name/Header
PRESS SN		
TEMP SN		
COND SN		
TEMP SN		
TRIP DEPTH	Cleaned air bleed valve	SAMPLE BOTTLE NUMBER
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION																	
Alpha Helix		HX249-222		240° 1.0m AUG 3.5																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR
233	58	51.93 N	168	22.30 W	4 AUG 99	20513	6.6		1.83	4	180	10	8	72	43	N/C	3.5				
CTD		JD/TIME		TIMES		DATA LOCATION												REMARKS			
TYPE & SN				DATA ON		Tape/Diskette ID File Name/Header															
PRESS SN				START DOWN																	
TEMP SN				AT DEPTH																	
COND SN				AT SURFACE														MAX. DEPTH =	m		
TEMP SN																		Cleaned air bleed valve			
TRIP DEPTH						CTD CONVERTED MONITOR VALUES												SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER		
POS.		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY												SAL.	NUTR.	CHL	WHIT's NUTR.
1	425																				
2	30.0																				
3	20.4																				
4	11.8																				
5	3.2																				
6																					
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL		PROJECT & LEG		STATION DESIGNATION																	
Alpha Helix		HX240-222		NCS-1																	
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG MIN	DEG MIN	DAY MO YR	HR MIN																	
2355849.53 N	168 18.96 W	17 AUG 99	2055	1733	6.9	180	10	872	78 m	C45											
CTD		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN		TIMES		Tape/Diskette ID		File Name/Header															
PRESS SN		DATA ON																			
TEMP SN		START DOWN																			
COND SN		AT DEPTH																			
TEMP SN		AT SURFACE																			
TRIP DEPTH		PAR		FLUOR		CHIAM		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE DATA							SAMPLE BOTTLE NUMBER		
POS.	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY																
1	24.7																				
2	32.8																				
3	20.4																				
4	10.4																				
5	2.9																				
6																					
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL	PROJECT & LEG	STATION DESIGNATION																
Alpha Helix	HX249 222	N1A02																
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG														MIN	HR
240	58 52.65 N	168 19.20 W	14 AUG 98	1518	6.5	1	1336			230	05	872			46	N1A02		
CTD	TIMES	JD/TIME	DATA LOCATION															
TYPE & SN	DATA ON		Tape/Diskette ID File Name/Header															
PRESS SN	START DOWN																	
TEMP SN	AT DEPTH																	
COND SN	AT SURFACE																	
TEMP SN																		
MAX. DEPTH =			m															
CLEANED AIR BLEED VALVE																		
POS.	TRIP DEPTH	SAMPLE BOTTLE DATA															SAMPLE BOTTLE NUMBER	
1	40	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY									SAL.	NUTR.	CHL	WHIT'S NUTR.
2	30																	
3	20																	
4	10																	
5	0																	
6																		
7																		
8																		
9																		
10																		
11																		
12																		

VESSEL		PROJECT & LEG		STATION DESIGNATION																			
Alpha Helix		HX249 222		N/A03																			
COONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID						
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR	MIN	(°C)
24	15	58	50	23	N	16	8	21	17	16	W	14	AUG	98	15	45	6.7	137	6230	05	872	48	N/A03
CTD		TIMES		JD/TIME		DATA LOCATION												REMARKS					
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header																	
PRESS SN		START DOWN																					
TEMP SN		AT DEPTH																					
COND SN		AT SURFACE																MAX. DEPTH =	m				
TEMP SN		PAR		FLOOR		ENTAM		TRANSMISSOMETER		Cleared air bleed valve		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		WHIT'S NUTR.							
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY																		
1	46																						
2	30																						
3	20																						
4	10																						
5	0																						
6																							
7																							
8																							
9																							
10																							
11																							
12																							

[illegible]

VESSEL Alpha Helix		PROJECT & LEG HX249-222		STATION DESIGNATION N1A06										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	SEA STATE PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
24	45 48.25 N	168 29.47 W	14 AUG 99	1659	7.6		1336	270	0.8	72		52	N1A06	
CTD		JD/TIME		DATA LOCATION		REMARKS								
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header								
PRESS SN		START DOWN												
TEMP SN		AT DEPTH												
COND SN		AT SURFACE						MAX. DEPTH = m						
TEMP SN														
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE NUMBER						
POS.		PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.	CHL.	WHIT'S NUTR.
1	50													
2	30													
3	25													
4	20													
5	15													
6	10													
7	0													
8														
9														
10														
11														
12														

VESSEL		PROJECT & LEG		STATION DESIGNATION																		
Alpha Helix		HX219 222		270° 1.0																		
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR	MIN
245	58	40.96	N	168	32.05	W	14	AUG	99	17	27	6.7	1.3	34	270	108	74	55	N11A07			
CTD		TIMES		JD/TIME		DATA LOCATION																
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header																
PRESS SN		START DOWN																				
TEMP SN		AT DEPTH																				
COND SN		AT SURFACE																				
TEMP SN						MAX. DEPTH = m																
TRIP DEPTH		PAR		FLUOR		CHLOR		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE DATA							SAMPLE BOTTLE NUMBER			
POS.		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY													SAL.	NUTR.	CHL	WHIT'S NUTR.
1	52																					
2	30																					
3	25																					
4	20																					
5	15																					
6	10																					
7	0																					
8																						
9																						
10																						
11																						
12																						

VESSEL		PROJECT & LEG		STATION DESIGNATION															
Alpha Helix		HX219 222																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN														DAY	MO
246	58	28.61	N	168	34.69	W	14	AUG	98	17	54	7.0	1.33	627	088	72	56	N1A08	
CTD		TIMES		JD/TIME		DATA LOCATION												REMARKS	
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header													
PRESS SN		START DOWN																	
TEMP SN		AT DEPTH																	
COND SN		AT SURFACE																MAX. DEPTH = m	
TEMP SN																			
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE DATA										SAMPLE BOTTLE NUMBER	
POS.		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY										SAL.	NUTR.	CHL	WHIT'S NUTR.
1	53																		
2	30																		
3	20																		
4	10																		
5	0																		
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL		PROJECT & LEG		STATION DESIGNATION															
Alpha Helix		HX249-222		270 1.0 NIA-5b															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN													DAY	MO	YR
247	58	43.42	N	16	82	14	09	00	00	13	36	70	07	87	2	52	14515		
CTD		JD/TIME		99		DATA LOCATION													
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header													
PRESS SN		START DOWN																	
TEMP SN		AT DEPTH																	
COND SN		AT SURFACE																	
TEMP SN						MAX. DEPTH = m													
REMARKS		Back Tracked To catch a low in surface T																	
CTD CONVERTED MONITOR VALUES		Cleaned air bleed valve																	
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA											SAMPLE BOTTLE NUMBER		WHIT'S NUTR.
1	49.7				35														
2	40																		
3	30																		
4	25																		
5	20																		
6	15																		
7	10																		
8	0																		
9																			
10																			
11																			
12																			

VESSEL		PROJECT & LEG		STATION DESIGNATION																	
Alpha Helix		HX249-222		270° 1.0 near N1A08																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR
248	58	39	24	N	168	33	25	W	14	AUG	99	20	29	7	16	1336	270	088	72	52	N1A08
CTD		JD/TIME		99		DATA LOCATION												REMARKS <i>2 Lit of Feeding (Shot) Birds</i>			
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header															
PRESS SN		START DOWN																			
TEMP SN		AT DEPTH																			
COND SN		AT SURFACE																MAX. DEPTH =	m		
TEMP SN						PAR		FLUOR		CHLOR		TRANSMISSOMETER		Cleaned air bleed valve							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA												SAMPLE BOTTLE NUMBER	WHIT'S NUTR.		
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL		PROJECT & LEG		STATION DESIGNATION																				
Alpha Helix		HX2-0222		N1A09																				
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID							
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR	MIN		
249	58	36	22	N	168	37	02	W	19	AUG	98	22	40	08	7.7	1.3	6	27	0	10	8	72	58	N1A09
CTD		JD/TIME		TIMES		DATA LOCATION												REMARKS						
TYPE & SN				DATA ON		Tape/Diskette ID File Name/Header																		
PRESS SN				START DOWN																				
TEMP SN				AT DEPTH																				
COND SN				AT SURFACE														MAX. DEPTH = m						
TEMP SN																								
TRIP DEPTH				CTD CONVERTED MONITOR VALUES		Cleaned air bleed valve												SAMPLE BOTTLE NUMBER						
POS.						SAMPLE BOTTLE DATA																		
		PRESSURE	PRI TEMP.	SEC. TEMP.	SALINITY	SALINITY												SAL.	NUTR.	CHL	WHIT'S NUTR.			
1	55																							
2	30																							
3	20																							
4	10																							
5	5																							
6	0																							
7																								
8																								
9																								
10																								
11																								
12																								

VESSEL	PROJECT & LEG	STATION DESIGNATION																		
Alpha Helix	HX209 222	270° 1.0	N1A11																	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	. . .		(m)						
256	5831.56 N	16842.40 W	14 AUG 99	153	7.7		1336			270	18	8	72	64M	1A11					
CTD	TIMES	JDTIME	DATA LOCATION																	
TYPE & SN	DATA ON		Tape/Diskette ID File Name/Header																	
PRESS SN	START DOWN																			
TEMP SN	AT DEPTH																			
COND SN	AT SURFACE																			
TEMP SN			MAX. DEPTH = m																	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES														SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY									SAL.	CHL	WHIT'S NUTR.			
1	61-																			
2	30-																			
3	25-																			
4	20-																			
5	16																			
6	15																			
7	15																			
8	15																			
9	10																			
10	0																			
11																				
12																				