

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION P1217											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	
1085651	1	85	N	16437	8	1	W	31	MAY	99	0301	.	.	.	.	.	.	.	.	.
SBE 9+ <del>8</del>		TIMES		JD/TIME		DATA LOCATION										REMARKS				
PRESS SN #63503		DATA ON				Tape/Diskette ID										File Name/Header				
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 1772		AT DEPTH														<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251		AT SURFACE														MAX. DEPTH = m				
SEC COND SN 501		<input type="checkbox"/> PAR SN		<input type="checkbox"/> FLUOR SN		<input type="checkbox"/> CHAM SN										<input type="checkbox"/> TRANS. SN				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY			SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.				
1	71															235				
2	40															234				
3	30															233				
4	20															232				
5	10															231				
6	0															230				
7																				
8																				
9																				
10																				
11																				
12																				

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chl

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VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION PR 13								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
1095642	7	5	N	16452	5	3	W	31	M	A	Y	9	9	0445						77
SBE 9+2				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN #63503				DATA ON				Tape/Diskette ID				File Name/Header				~ knot current				
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH		CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
			PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		Bio		CHL.		WHIT's NUTR.	
1	74																		241	
2	40																		240	
3	30																		239	
4	20																		238	
5	10																		237	
6	0																		236	
7																				
8																				
9																				
10																				
11																				
12																				

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VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION PR 12										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(%)			(m)	
1105638	29	51	N	165	7	8	0	31	MAY	99	06	15						81	
SBE 9+8		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN #63503		DATA ON				Tape/Diskette ID				File Name/Header									
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve									
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m									
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES							SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY			SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1	77								110 01			247							
2	40											✓ 246							
3	30											245 ✓							
4	20											✓ 244 ✓							
5	10											243 ✓							
6	0											✓ 242 ✓							
7																			
8																			
9																			
10																			
11																			
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VESSEL			PROJECT & LEG			OSDB I.D.			STATION DESIGNATION												
Alpha Helix			HX220						CNC-14												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)		
111	57	6.64	N	6344	31	MAY	99	15	50	.	.	.	.	.	.	.	.	.	.	68	CNC-14
SBE 9+8			TIMES		JD/TIME			DATA LOCATION										REMARKS			
PRESS SN #63503			DATA ON					Tape/Diskette ID										File Name/Header			
PRI TEMP SN 1771			START DOWN																		
SEC TEMP SN 1772			AT DEPTH																		
PRI COND SN 2251			AT SURFACE																		
SEC COND SN 501			PAR S/N		FLUOR S/N			CHAM S/N										TRANS. S/N			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.						
1	63														253						
2	40													3✓	252						
3	30													2✓	251						
4	20													2✓	250						
5	10													1✓	249						
6	0													✓	248						
7																					
8																					
9																					
10																					
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VESSEL			PROJECT & LEG			DSD8 I.D.			STATION DESIGNATION											
Alpha Helix			HX220						CNC13											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
112	57	11.27	N	163	39.87	W	3	MAY	99	1637	.	.							66	
SBE 9+ <del>8</del>			TIMES JD/TIME					DATA LOCATION										REMARKS		
PRESS SN #63503			DATA ON					Tape/Diskette ID					File Name/Header							
PRI TEMP SN 1771			START DOWN																	
SEC TEMP SN 1772			AT DEPTH															Cleared air bleed valve		
PRI COND SN 2251			AT SURFACE															MAX. DEPTH = m		
SEC COND SN 501			PAR S/N					FLUOR S/N					CHAM S/N					TRANS. S/N		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.										
1	62									259										
2	40									258										
3	30									257										
4	20									256										
5	10									255										
6	0									254										
7																				
8																				
9																				
10																				
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VESSEL			PROJECT & LEG			DSDB I.D.			STATION DESIGNATION											
Alpha Helix			HX220						CNC12											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	
11357	15	88	N	16334	88	W	31	MAY	99	1721	.	.							63	
SBE 9+4			TIMES			JD/TIME			DATA LOCATION			REMARKS								
PRESS SN #63503			DATA ON						Tape/Diskette ID			File Name/Header								
PRI TEMP SN 1771			START DOWN																	
SEC TEMP SN 1772			AT DEPTH																	
PRI COND SN 2251			AT SURFACE																	
SEC COND SN 501			PAR S/N			FLUOR S/N			CHAM S/N			TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1	60									113 01			265							
2	40											✓	264							
3	30												263							
4	20											✓	262							
5	10												261							
6	0											✓	260							
7																				
8																				
9																				
10																				
11																				
12																				

260

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC10								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)				(m)	
11	45	20.5	N	163	29	88	W	31	MAY	99	1805								56	
SBE 9+ <del>8</del>				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN #63503				DATA ON								Tape/Diskette ID				File Name/Header				
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1	53														271					
2	40	No trip (posn. 1 tripped 2 times)															272			
3	30														273					
4	20													✓	269					
5	10														268					
6	0													✓	267					
7																				
8																				
9																				
10																				
11																				
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VESSEL Alpha Helix			PROJECT & LEG HX220			DSD8 I.D.			STATION DESIGNATION CNC8											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
11557	25	24	N	16324	87	W	31	MAY	99	1848	.	.							53	
SBE 9+ <del>8</del>			TIMES			JD/TIME			DATA LOCATION			REMARKS								
PRESS SN #63503			DATA ON						Tape/Diskette ID			File Name/Header								
PRI TEMP SN 1771			START DOWN																	
SEC TEMP SN 1772			AT DEPTH									<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251			AT SURFACE									MAX. DEPTH = m								
SEC COND SN 501			<input type="checkbox"/> PAR S/N			<input type="checkbox"/> FLUOR S/N			<input type="checkbox"/> CHAM S/N			<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1	50														277					
2	40													✓	276					
3	30														275					
4	20													✓	274					
5	10														273					
6	0													✓	272					
7																				
8																				
9																				
10																				
11																				
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VESSEL Alpha Helix				PROJECT & LEG HX220				DSD8 I.D.				STATION DESIGNATION CNC 6								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)				(m)	
1145729.88	N		16319.86	W	31	MAY	99	19	32										51	
SBE 9+ <del>4</del>		TIMES		JD/TIME		DATA LOCATION				REMARKS										
PRESS SN #63503		DATA ON				Tape/Diskette ID				File Name/Header										
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve										
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m										
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1	47														283					
2	40													✓	✓					
3	30													✓	280 ✓					
4	20													✓	281 ✓					
5	10														279 ✓					
6	0													✓	278 ✓					
7																				
8																				
9																				
10																				
11																				
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VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC4								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)				(m)	
115	57	34.53	N	163	14	93	W	31	MAY	99	2015								49	
SBE 9+ <del>4</del>			TIMES			JD/TIME			DATA LOCATION				REMARKS							
PRESS SN #63503			DATA ON						Tape/Diskette ID				File Name/Header							
PRI TEMP SN 1771			START DOWN																	
SEC TEMP SN 1772			AT DEPTH										<input type="checkbox"/> Cleaned air bleed valve							
PRI COND SN 2251			AT SURFACE										MAX. DEPTH = m							
SEC COND SN 501			<input type="checkbox"/> PAR S/N			<input type="checkbox"/> FLUOR S/N			<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1	46													✓	288					
2	30														7					
3	20													✓	6					
4	10														5					
5	0													✓	284					
6																				
7																				
8																				
9																				
10																				
11																				
12																				

24

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VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CNC2									
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	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(%)		(m)	
1165739	18	N	163	9.95	W	31	MAY	99	21	00	.	.					43	
SBE 9+8		TIMES			JD/TIME			DATA LOCATION				REMARKS						
PRESS SN #63503		DATA ON						Tape/Diskette ID		File Name/Header								
PRI TEMP SN 1771		START DOWN																
SEC TEMP SN 1772		AT DEPTH										<input type="checkbox"/> Cleaned air bleed valve						
PRI COND SN 2251		AT SURFACE										MAX. DEPTH = m						
SEC COND SN 501		<input type="checkbox"/> PAR S/N			<input type="checkbox"/> FLUOR S/N			<input type="checkbox"/> CHAM S/N		<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES							SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.			
1	44													✓	293			
2	30														292			
3	20													✓	291			
4	10														290			
5	0													✓	289			
6																		
7																		
8																		
9																		
10																		
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VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CNCX1												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)		
	117	57	43	83	N	16	3	4	90	W	31	M	A	Y	99	21	45	.	.	.	46
SBE 9+ <del>8</del>			TIMES			JD/TIME			DATA LOCATION										REMARKS		
PRESS SN #63503			DATA ON						Tape/Diskette ID					File Name/Header							
PRI TEMP SN 1771			START DOWN																		
SEC TEMP SN 1772			AT DEPTH																<input type="checkbox"/> Cleaned air bleed valve		
PRI COND SN 2251			AT SURFACE																MAX. DEPTH = m		
SEC COND SN 501			<input type="checkbox"/> PAR S/N			<input type="checkbox"/> FLUOR S/N			<input type="checkbox"/> CHAM S/N					<input type="checkbox"/> TRANS. S/N							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY			SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1	41														✓	298					
2	30															297					
3	20														✓	296					
4	10															295					
5	D														✓	294					
6																					
7																					
8																					
9																					
10																					
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VESSEL Alpha Helix				PROJECT & LEG HX220				DSD8 I.D.				STATION DESIGNATION CNCX3								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
	20	57.48	16	30.04	21	MAY	99	22	32	.	.								415	
SBE 9+ <del>4</del>				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN #63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.						
1	40												✓	303						
2	30													302						
3	20												✓	301						
4	10													300						
5	0												✓	299						
6																				
7																				
8																				
9																				
10																				
11																				
12																				

2ee  
✓  
✓  
✓  
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VESSEL Alpha Helix				PROJECT & LEG HX220				OSDB I.D.				STATION DESIGNATION CNC88								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*		(m)	
12258	0	13	N	16247	40	W	31	MAY	99	0021	.	.							41	
SBE 9+ <del>4</del>		TIMES		JD/TIME		DATA LOCATION				REMARKS										
PRESS SN #63503		DATA ON				Tape/Diskette ID		File Name/Header												
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve										
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m										
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N		<input type="checkbox"/> TRANS. S/N												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1	37											✓ 312								
2	20											✓ 311								
3	10											310								
4	0											✓ 309								
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

39

Zep

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNCX 10								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
123	58	4.80	N	16242.46	W	1	JUN	99	0107	.	.								37	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	2cp Bio	CHL.	WHIT's NUTR.					
1	33											123 01	✓	✓	316					
2	20												✓	✓	315					
3	10												✓		314					
4	0												✓	✓	313					
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				



VESSEL			PROJECT & LEG			DSDB I.D.			STATION DESIGNATION										
Alpha Helix			HX220						CNCXII										
CONSC	LATITUDE		LONGITUDE		DATE JD=		TIME	DRY	WET	PRESSURE	SEA STATE	VISIBILITY	WIND	WIND	CLOUD	TYPE	WEATHER	BOTTOM	STA.
CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB	BULB	(mb)	*	(deg)	(m/s)	*	*	(m)	NAME/ID
12458	9	57	N	16237	38	W	11	JUN	99	0154	.	.	.	.	.	.	.	37	
SBE 9+0			TIMES		JD/TIME		DATA LOCATION										REMARKS		
PRESS SN # 63503			DATA ON				Tape/Diskette ID					File Name/Header							
PRI TEMP SN 1771			START DOWN																
SEC TEMP SN 1772			AT DEPTH														<input type="checkbox"/> Cleaned air bleed valve		
PRI COND SN 2251			AT SURFACE														MAX. DEPTH = m		
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> ChIAM S/N					<input type="checkbox"/> TRANS. S/N							
POS.	TRIP	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
	DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT'S							
1		No Samples																	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC X12							
CONSC. CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	*	*	*	(m)	
125	58	17	15	N	10	23	2	10	30									35	CNC X12
SBE 9+0		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN # 63503		DATA ON				Tape/Diskette ID		File Name/Header											
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve									
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m									
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N		<input type="checkbox"/> TRANS. S/N											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER									
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.							
1	32.9									✓		319							
2	20.5									✓	✓	318							
3	10.6									✓		317							
4	3.1									✓	✓	316							
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION <i>COCX 13</i>							
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
12658	18.86	N	16227.39	W	01	JUN	99	03	17	.	.							150	<i>COCX 13</i>
SBE 9+0		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN # 63503		DATA ON				Tape/Diskette ID		File Name/Header											
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve									
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m									
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> ChlAM S/N		<input type="checkbox"/> TRANS. S/N											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.						
1	202.9								126 01										
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION <i>CACX 14</i>							
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	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
<i>127</i>	<i>58</i>	<i>23</i>	<i>45</i>	<i>N</i>	<i>10</i>	<i>22</i>	<i>38</i>	<i>01</i>	<i>JUN</i>	<i>99</i>	<i>0353</i>							<i>360</i>	<i>CACX 14</i>
SBE 9+0		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN # <i>63503</i>		DATA ON				Tape/Diskette ID				File Name/Header									
PRI TEMP SN <i>1771</i>		START DOWN																	
SEC TEMP SN <i>1772</i>		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve									
PRI COND SN <i>2251</i>		AT SURFACE								MAX. DEPTH = m									
SEC COND SN <i>501</i>		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.						
<i>1</i>	<i>31.8</i>												<i>323</i>						
<i>2</i>	<i>19.5</i>												<i>322</i>						
<i>3</i>	<i>10.9</i>												<i>321</i>						
<i>4</i>	<i>3.6</i>												<i>320</i>						
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CNCX15										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
128	58	28.12	N	162	19	35	W	1	09	27	36								CNCX15
SBE 9+0			TIMES		JD/TIME		DATA LOCATION				REMARKS								
PRESS SN # 63503			DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN 1771			START DOWN																
SEC TEMP SN 1772			AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251			AT SURFACE								MAX. DEPTH = m								
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N		<input type="checkbox"/> TRANS. S/N										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES							SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY			SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION <i>CACK 16</i>											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	
	12958	32.46	N	16212.35	W	01	JUN	99	05	2	.	.								<i>X2000X16</i>
SBE 9+0			TIMES		JD/TIME			DATA LOCATION										REMARKS		
PRESS SN # 63503			DATA ON					Tape/Diskette ID					File Name/Header							
PRI TEMP SN 1771			START DOWN																	
SEC TEMP SN 1772			AT DEPTH															<input type="checkbox"/> Cleaned air bleed valve		
PRI COND SN 2251			AT SURFACE															MAX. DEPTH = m		
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N			<input type="checkbox"/> CHAM S/N					<input type="checkbox"/> TRANS. S/N							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.						
1	37.6																			
2	30.3																			
3	20.3																			
4	11.0																			
5	3.3																			
6																				
7																				
8																				
9																				
10																				
11																				
12																				

327  
326  
325  
324

VESSEL Alpha Helix				PROJECT & LEG HX220				DSD8 I.D.				STATION DESIGNATION <i>CACX 14</i>								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	
130	58	34.16 N	162	04.35 W	01	JUN	99	05	54	.	.								3500	<i>CACX 14</i>
SBE 9+0		TIMES		JD/TIME		DATA LOCATION				REMARKS										
PRESS SN # 63503		DATA ON				Tape/Diskette ID				File Name/Header										
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve										
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m										
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNCX14										
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
131	58	23.54	N	162	22.47	W	1	J	UN	9	9	1646	.	.							37	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS						
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header				Deck Prod						
PRI TEMP SN 1771				START DOWN												Didn't do - Steve didn't like the water						
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve						
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m						
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1	20																					
2	20																					
3	20																					
4	20																					
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						



VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNCX15								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
1325828	28	31	N	62	7	56	W	1	JUN	99	17	25							48	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header				Deck Prod, key 2				
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.					
1	20																			
2	20																			
3	20																			
4	20																			
5	0																			
6	0																			
7	0																			
8	0																			
9																				
10																				
11																				
12																				

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNCX10								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
13358	4	80	N	162	42	32	W	1	JUN	99	2	34	.	.	.	.	.	.	38	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header				Deck Prod				
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> ChlAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.					
1	20																			
2	20																			
3	20																			
4	20																			
5	0																			
6	0																			
7	0																			
8	0																			
9																				
10																				
11																				
12																				



VESSEL						PROJECT & LEG							DSDB I.D.							STATION DESIGNATION									
Alpha Helix						HX220														CNCXID									
CONSC CAST #			LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)		DRY BULB		WET BULB		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.		WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
			DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)					
13552			4.9	N	16742.52	W		1	JUN	99	21	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30		
SBE 9+0						TIMES JD/TIME						DATA LOCATION						REMARKS											
PRESS SN # 63503						DATA ON						Tape/Diskette ID						File Name/Header						Rhos Cast					
PRI TEMP SN 1771						START DOWN																							
SEC TEMP SN 1772						AT DEPTH																		<input type="checkbox"/> Cleaned air bleed valve					
PRI COND SN 2251						AT SURFACE																		MAX. DEPTH = m					
SEC COND SN 501						<input type="checkbox"/> PAR S/N						<input type="checkbox"/> FLUOR S/N						<input type="checkbox"/> CHAM S/N						<input type="checkbox"/> TRANS. S/N					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES													SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER												
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT'S NUTR														
1	26																												
2	26																												
3	14																												
4	14																												
5	12																												
6	12																												
7	7																												
8	7																												
9	4																												
10	4																												
11	0																												
12	0																												

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNEB							
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	*	*	*	(m)	
1365733	57	33	1	63	1	9	3	W	2	JUN	99	15	11					5.1	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS			
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header				Deck Prod			
PRI TEMP SN 1771				START DOWN															
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve			
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m			
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> ChlAM S/N				<input type="checkbox"/> TRANS. S/N			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.				
1	45													3	127				
2	30														126				
3	20																		
4	20																		
5	20																		
6	20													2	125				
7	10														124				
8	0																		
9	0																		
10	0																		
11	0													1	123 led				
12																			

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION <b>CNE5</b>												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)	
137	57	28.95	N	163	7	02	W	2	JUN	99	15	56	.	.	.	.	.	.	.	52	
SBE 9+0			TIMES		JD/TIME		DATA LOCATION										REMARKS				
PRESS SN # 63503			DATA ON				Tape/Diskette ID					File Name/Header									
PRI TEMP SN 1771			START DOWN																		
SEC TEMP SN 1772			AT DEPTH														<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251			AT SURFACE														MAX. DEPTH = m				
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N					<input type="checkbox"/> TRANS. S/N									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY			SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1		No Samples																			
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNE6							
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	*	*		(m)	
138	57	26.59	N	163	9	52	W	2	JUN	99	1621	.	.	.	.	.	.	52	
SBE 9+0		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN # 63503		DATA ON				Tape/Diskette ID		File Name/Header											
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve									
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m									
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N		<input type="checkbox"/> TRANS. S/N											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.				
1	47											138 01		✓	132				
2	30														131				
3	20													✓	130				
4	10														129				
5	0													✓	128				
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNE 7								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
139	57	24.30	N	163	12.03	W	2	JUN	99	16	48	.	.	.	.	.	.	.	52	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.					
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				



VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNE9								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
1405719.115N			16316.85W		2	JUN	99	17	33	.	.								54	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN # 63503				DATA ON								Tape/Diskette ID				File Name/Header				
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> ChlAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH		CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
			PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.				
1	48														✓	137				
2	30															136				
3	20														✓	135				
4	10														✓	134				
5	0														✓	133				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CPE11								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
141	57	14.95	N	163	22.00	W	12	JUN	99	18	17	.	.	.	.	.	.	.	60	
SBE 9+0				TIMES		JD/TIME		DATA LOCATION				REMARKS								
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251				AT SURFACE								MAX. DEPTH = m								
SEC COND SN 501				<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1	54																			
2	30																			
3	20																			
4	10																			
5	0																			
6																				
7																				
8																				
9																				
10																				
11																				
12																				

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC12								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*		(m)	
14257	15	90N	6335	05W	20	JUN	99	19	37	.	.	.	.	.	.	.	.	.	62	
SBE 9+0				TIMES		JD/TIME		DATA LOCATION				REMARKS								
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251				AT SURFACE								MAX. DEPTH = m								
SEC COND SN 501				<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> ChlAM S/N				<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.						
1	20																			
2	20																			
3	20																			
4	20																			
5	0																			
6	0																			
7	0																			
8	0																			
9																				
10																				
11																				
12																				



VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC12								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*		(m)	
14457	16	10	N	6334	78	W	2	JUN	99	200									63	
SBE 9+0				TIMES		JD/TIME		DATA LOCATION				REMARKS								
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251				AT SURFACE								MAX. DEPTH = m								
SEC COND SN 501				<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.						
1	30																			
2	30																			
3	20																			
4	20																			
5	14																			
6	14																			
7	8																			
8	8																			
9	5																			
10	5																			
11	0																			
12	0																			

VESSEL			PROJECT & LEG			DSDB I.D.			STATION DESIGNATION											
Alpha Helix			HX220						CNC11											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
14557	18.19	N	16332.63	W	2	JUN	99	22	28	.	.								57	
SBE 9+0			TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN # 63503			DATA ON				Tape/Diskette ID				File Name/Header									
PRI TEMP SN 1771			START DOWN																	
SEC TEMP SN 1772			AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve									
PRI COND SN 2251			AT SURFACE								MAX. DEPTH = m									
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.										
1	57						145 01													
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

145  
155

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNCID								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
14165720.52	N		16330.14	W	2	JUN	99	22	54	.	.	.	.	.	.	.	.	.	55	
SBE 9+0		TIMES		JD/TIME		DATA LOCATION				REMARKS										
PRESS SN # 63503		DATA ON				Tape/Diskette ID		File Name/Header												
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve										
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m										
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHLOR S/N		<input type="checkbox"/> TRANS. S/N												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC9								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*		(m)	
1475722.88	N		16327.59	W	2	U	N	9	9	23	19	.	.	.	.	.	.	.	53	
SBE 9+0				TIMES		JD/TIME		DATA LOCATION								REMARKS				
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.					
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				



VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC8								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
148	57	25.25	N	163	25.09	W	2	JUN	99	23	47	.	.	.	.	.	.	.	52	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHLOR S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.					
1	48											148 01								
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CNC7												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)	
149	57	27.53	N	163	22.61	W	2	JUN	99	00	12	.	.	.	.	.	.	.	.	51	
SBE 9+0			TIMES		JD/TIME		DATA LOCATION										REMARKS				
PRESS SN # 63503			DATA ON				Tape/Diskette ID					File Name/Header									
PRI TEMP SN 1771			START DOWN																		
SEC TEMP SN 1772			AT DEPTH														<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251			AT SURFACE														MAX. DEPTH = m				
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> ChlAM S/N					<input type="checkbox"/> TRANS. S/N									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.						
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC6								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*		(m)	
1505729.88	N		16320.11	W	3	JUN	99	00	37	.	.								50	
SBE 9+0		TIMES		JD/TIME		DATA LOCATION				REMARKS										
PRESS SN # 63503		DATA ON				Tape/Diskette ID				File Name/Header										
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 1772		AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve										
PRI COND SN 2251		AT SURFACE								MAX. DEPTH = m										
SEC COND SN 501		<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> ChlAM S/N				<input type="checkbox"/> TRANS. S/N										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CNC5												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*		(m)	
151	57	32.2	N	163	7.6	W	3	JUN	99	01	03	.	.	.	.	.	.	.	.	49	
SBE 9+0			TIMES		JD/TIME			DATA LOCATION										REMARKS			
PRESS SN # 63503			DATA ON					Tape/Diskette ID					File Name/Header								
PRI TEMP SN 1771			START DOWN																		
SEC TEMP SN 1772			AT DEPTH															<input type="checkbox"/> Cleaned air bleed valve			
PRI COND SN 2251			AT SURFACE															MAX. DEPTH = m			
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N			<input type="checkbox"/> ChlAM S/N					<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY						SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.						
1																					
2																					
3																					
4																					
5																					
6																					
7																					
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9																					
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11																					
12																					

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CWCY										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
152	57	34.54	N	163	15	10	W	3	JUN	99	08	28						48	
SBE 9+0			TIMES		JD/TIME		DATA LOCATION				REMARKS								
PRESS SN # 63503			DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771			START DOWN																
SEC TEMP SN 1772			AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251			AT SURFACE								MAX. DEPTH = m								
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHIAM S/N				<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES							SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY			SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1																			
2																			
3																			
4																			
5																			
6																			
7																			
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12																			

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC 3								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	
153	57	36.85	N	163	12.6	W	3	JUN	99	01	53	.	.	.	.	.	.	.	47	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS				
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771				START DOWN																
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m				
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES								SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY				SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.						
1																				
2																				
3																				
4																				
5																				
6																				
7																				
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9																				
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11																				
12																				

VESSEL Alpha Helix				PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION CNC2										
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	
	154	57	39.20	N	63	10.10	W	3	JUN	99	02	18	.	.							47	
SBE 9+0				TIMES				JD/TIME				DATA LOCATION				REMARKS						
PRESS SN # 63503				DATA ON				Tape/Diskette ID				File Name/Header										
PRI TEMP SN 1771				START DOWN																		
SEC TEMP SN 1772				AT DEPTH												<input type="checkbox"/> Cleaned air bleed valve						
PRI COND SN 2251				AT SURFACE												MAX. DEPTH = m						
SEC COND SN 501				<input type="checkbox"/> PAR S/N				<input type="checkbox"/> FLUOR S/N				<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.							
1																						
2																						
3																						
4																						
5																						
6																						
7																						
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12																						

VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CNCI										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
155	57	41.5	N	163	7	6	W	3	JUN	99	02	43						45	
SBE 9+0			TIMES		JD/TIME		DATA LOCATION				REMARKS								
PRESS SN # 63503			DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN 1771			START DOWN																
SEC TEMP SN 1772			AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251			AT SURFACE								MAX. DEPTH = m								
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N		<input type="checkbox"/> TRANS. S/N										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES							SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY			SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.							
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			



VESSEL Alpha Helix			PROJECT & LEG HX220			DSDB I.D.			STATION DESIGNATION CNA3										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	
156574	0.00	N	16322.90	W	3	JUN	99	03	28	.	.	.	.	.	.	.	.	42	
SBE 9+0			TIMES		JD/TIME		DATA LOCATION				REMARKS								
PRESS SN # 63503			DATA ON				Tape/Diskette ID				File Name/Header								
PRI TEMP SN 1771			START DOWN																
SEC TEMP SN 1772			AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve								
PRI COND SN 2251			AT SURFACE								MAX. DEPTH = m								
SEC COND SN 501			<input type="checkbox"/> PAR S/N		<input type="checkbox"/> FLUOR S/N		<input type="checkbox"/> CHAM S/N				<input type="checkbox"/> TRANS. S/N								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES							SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY			SALINITY		SAL.	Bio	CHL.	WHIT's NUTR.						
1	42											✓	142						
2	30												141						
3	20											✓	140						
4	10												139						
5	0											✓	138						
6																			
7																			
8																			
9																			
10																			
11																			
12																			