

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION						
Alpha Helix		HX220								SP61						
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	SEA STATE PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								
22157	0	23	N	12	33	W	9	JUN	99	15	4				6.5	
SBE 9+0		TIMES		JD/TIME		DATA LOCATION										
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 SN		FLUOR SN		CHAM SN		TRANS. SN								
POS.		TRIP		DEPTH		SAMPLE BOTTLE DATA										
						SAMPLE BOTTLE NUMBER										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
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						SEC. TEMP										
						PRI. TEMP.										
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						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
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						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
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						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
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						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
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						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
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						SEC. TEMP										
						PRI. TEMP.										
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						SEC. TEMP										
						PRI. TEMP.										
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						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
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						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
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						SAL. CHL. Bio										
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						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
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						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
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						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
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						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
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						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										
						SALINITY										
						SEC. TEMP										
						PRI. TEMP.										
						PRESSURE										
						SALINITY										
						SAL. CHL. Bio										

VESSEL	PROJECT & LEG	DSD8 I.D.	STATION DESIGNATION													
Alpha Helix	HX220															
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR HR MIN	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/D				
222563	18 N	7D 8.15 W	9 JUN 99	1706	.	.	.	.	.	.	. . .	(m) 82				
SBE 9+0	TIMES	JDTIME	DATA LOCATION										REMARKS			
PRESS SN # 63503	DATA ON		Tape/Diskette ID File Name/Header										Peod			
PRI TEMP SN 1771	START DOWN															
SEC TEMP SN 1772	AT DEPTH															
PRI COND SN 2251	AT SURFACE												<input checked="" type="checkbox"/> Cleaned air bleed valve			
SEC COND SN 501	PAR SN	FLUOR SN	CHAM SN	TRANS. SN								M MAX. DEPTH = m				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY							SAL.	Blo	CHL.	NUTR.
1	76															WHIT's
2	50															NUTR.
3	40															
4	20															
5	25															
6	25															
7	25															
8	25															
9	20															
10	10															
11	0															
12																

VESSEL Alpha Helix		PROJECT & LEG HX220		DSDB I.D.		STATION DESIGNATION SPG 3							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	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
2235646.15N	16957.96W	91 JUN 99	1824									82	
SBE 9+0	TIMES		JD/TIME		DATA LOCATION		REMARKS						
PRESS SN # 63523	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 SN		FLUOR SN		CHAM SN		MAX. DEPTH = m						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES											
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
1	74							SAL.	Bio	CHL	WHIT'S NUTR.		
2	40									✓	492		
3	30								✓		491		
4	20								✓		490		
5	10								✓		489		
6	0								✓		488		
7													
8													
9													
10													
11													
12													

VESSEL Alpha Helix		PROJECT & LEG HX220		DSDB I.D.		STATION DESIGNATION 3864										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
2245635.03	16° 41' N	171° 17' W	9 JUN 99	1940											75	
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														
PRI COND SN 2251		AT SURFACE														
SEC COND SN 501		PAR SN		FLUOR SN		CHAM SN		TRANS. SN								
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER										
1	72	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	Bio	CHL	WHIT'S NUTR.						
2	40								✓	498						
3	30								✓	497						
4	20								✓	496						
5	10								✓	495						
6	0								✓	494						
7																
8																
9																
10																
11																
12																

494

[illegible]

VESSEL		PROJECT & LEG				DSD8 I.D.				STATION DESIGNATION								
Alpha Helix		HX220																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE (deg)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR										
226	56	25.88	N	169	55.49	W	9	JUN	9	20	33							
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																
PRI COND SN 2251		AT SURFACE																
SEC COND SN 501		PAR SN		FLUOR SN		CHAM SN		TRANS. SN										
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL		Bio		CHL		WHIT'S NUTR.				
1	93	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY													
2	40																	
3	30																	
4	20																	
5	10																	
6	0																	
7																		
8																		
9																		
10																		
11																		
12																		

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
Alpha Helix		HY220				56524							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	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
22856	9.09N	170.17W	10 JUN 99	0137								1277	
SBE 9+0		TIMES		JD/TIME		DATA LOCATION		REMARKS					
PRESS SN # 63503		DATA ON				Tape/Diskette ID							
PRI TEMP SN 1771		START DOWN											
SEC TEMP SN 1772		AT DEPTH											
PRI COND SN 2251		AT SURFACE								Cleaned air bleed valve			
SEC COND SN 501		PAR SN		FLUOR SN		CHAM SN		TRANS. SN		MAX. DEPTH = m			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES											
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE DATA		
1	114												
2	60												
3	40												
4	30												
5	20												
6	10												
7	0												
8													
9													
10													
11													
12													



VESSEL Alpha Helix		PROJECT & LEG HX220		DSD8 I.D.		STATION DESIGNATION 365W5																							
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	
22956		0.64 N 170.38 E		170.38 E		10 JUN 99		0303																					
SBE 9+0																													
PRESS SN # 63503																													
PRI TEMP SN 1771																													
SEC TEMP SN 1772																													
PRI COND SN 2251																													
SEC COND SN 501																													
TRIP DEPTH																													
1 506																													
2 191																													
3 124																													
4 75																													
5 40																													
6 20																													
7 0																													
8																													
9																													
10																													
11																													
12																													

Cleared air bleed valve

MAX. DEPTH = m

TRANS. SN

SAMPLE BOTTLE NUMBER

CTD CONVERTED MONITOR VALUES

CHAM SN

FLUOR SN

PAR SN

SALINITY

SEC. TEMP

PRI. TEMP.

PRESSURE

SALINITY

SAL.

BIO

CHL

WHIT'S

NUTR.

VESSEL						PROJECT & LEG								DSDB I.D.				STATION DESIGNATION						
Alpha Helix														HX220				CGS						
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY 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					
230	5634	19 N	6928	75 W	10	JUN	99	08	00								28	5635						
REMARKS																								
SBSE 9+0																								
PRESS SN	#	63503																						
PRI TEMP SN	1771																							
SEC TEMP SN	1772																							
PRI COND SN	2251																							
SEC COND SN	501																							
TRIP DEPTH		PAR SN		FLUOR SN		CHIAM SN		TRANS. SN		SAMPLE BOTTLE DATA									WHIT'S NUTR.					
POS.		DATA ON		Tape/Diskette ID		File Name/Header												SAL.	Bio	CHL				
1	15	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY								
2	0																							
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

VESSEL Alpha Helix		PROJECT & LEG HX220		DSD8 I.D.		STATION DESIGNATION 5522																							
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	
2315634.19 N		169 19.48 W		169 19.48 W		JUN 9 9		0928																		67 5522			
SBE 9+0		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN # 63503		DATA ON																											
PRI TEMP SN 1771		START DOWN																											
SEC TEMP SN 1772		AT DEPTH																											
PRI COND SN 2251		AT SURFACE																											
SEC COND SN 501		PAR SN		FLUOR SN		CHAM SN		TRANS. SN		SAMPLE BOTTLE DATA		SALINITY		SAL		Bio		CHL		WHIT'S NUTR.									
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY	
1 63.2																													
2 39.0																													
3 19.9																													
4 2.1																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

106  
105  
104  
103

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
Alpha Helix		HX220				553											
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
2325637.22	DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN												
	23	25	63	7	22	10	10	10	10	10	10	10	10	10	10	10	10
SBE 9+0	TIMES		JD/TIME		DATA LOCATION		REMARKS										
PRESS SN # 63523	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 SN		FLUOR SN		CHAM SN		TRANS. SN										
POS.	TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER										
1	45.8	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT'S							
2	39.4																
3	29.0																
4	20.3																
5	3.4																
6																	
7																	
8																	
9																	
10																	
11																	
12																	

10/10  
10/10  
10/10  
10/10  
10/10  
10/10

10/10  
10/10  
10/10  
10/10  
10/10

[illegible]

before

VESSEL		PROJECT & LEG			DSD8 I.D.			STATION DESIGNATION								
Alpha Helix		HX220						CP1								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	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)	
235	56.03 N	168.09 W	10	JUN	99	15	34	.	.	.	.	.	.	.	168	
SBE 9+0	TIMES		JD/TIME		DATA LOCATION											
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 SN		FLUOR SN		CHIAM SN		TRANS. SN									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES														
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SAMPLE BOTTLE DATA		SAL.		Bio	CHL.	WHIT'S NUTR.			
1	102												126			
2	60												125			
3	40											3✓	124			
4	20											2✓	123			
5	0											1✓	122			
6																
7																
8																
9																
10																
11																
12																

VESSEL Alpha Helix		PROJECT & LEG HX220		DSD8 I.D.		STATION DESIGNATION C22																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE (deg)		WIND DIRN. SPD. (m/s)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG	MIN	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	(mb)	(deg)	(m/s)	(amt)					(m)						
23	56	37	52	167	24	7	6	10	17	48																	
SBE 9+0																											
PRESS SN # 63503																											
PRI TEMP SN 1771																											
SEC TEMP SN 1772																											
PRI COND SN 2251																											
SEC COND SN 501																											
POS. TRIP DEPTH																											
1	100																										
2	40																										
3	40																										
4	20																										
5	0																										
6																											
7																											
8																											
9																											
10																											
11																											
12																											

1022



VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION				
Alpha Helix		HX220								C-3				
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG	MIN	DEG	MIN	HR	MIN	(°C)	(mb)		(deg)	(m/s)			(m)	
237563	9-74N	166-51.59W	10 JUN 99	2209									972	
SBE 9+0		TIMES		JD/TIME		DATA LOCATION		REMARKS						
PRESS SN	#	DATA ON	Tape/Diskette ID	File Name/Header										
PRI TEMP SN	1771													
SEC TEMP SN	1772													
PRI COND SN	2251													
SEC COND SN	501													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		FLUOR SN		CHAM SN		TRANS. SN		SAMPLE BOTTLE DATA				
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY									
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

98  
m  
list

VESSEL Alpha Helix						PROJECT & LEG HX220								DSDB I.D.							STATION DESIGNATION C54										
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	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)															
23	56	41	.65	N	166	16	.87	W	10	JUN	99	22	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
SBE 9+0																															
PRESS SN # 63503																															
PRI TEMP SN 1771																															
SEC TEMP SN 1772																															
PRI COND SN 2251																															
SEC COND SN 501																															
CTD CONVERTED MONITOR VALUES																															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY																										
1	77																														
2	40																														
3	20																														
4	0																														
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

VESSEL Alpha Helix		PROJECT & LEG HX220		DSDB I.D.		STATION DESIGNATION CP5											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	PRESSURE (mb)	SEA STATE (deg)	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									
239	56	43.50	N	165	42.61	W	1	JUN	9	00	19						
SBE 9+0																	
PRESS SN # 63523		DATA ON															
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 1772		AT DEPTH															
PRI COND SN 2251		AT SURFACE															
SEC COND SN 501		PAR SN		FLUOR SN		CHLOR SN		TRANS. SN									
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES													
				PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1	72																
2	40																
3	25																
4	0																
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

2

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION																			
Alpha Helix				HX220								C76																			
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	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	*	(m)									
24	05	45	13	0	N	16	5	8	07	W	11	J	U	N	99	02	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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																													
PRI COND SN 2251		AT SURFACE																													
SEC COND SN 501		PAR SN		FLUOR SN		CHIAM SN		TRANS. SN																							
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER																									
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY																							
1 73																															
2 40																															
3 20																															
4 0																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION									
Alpha Helix				HX220								CP7									
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	
2411	56	43.15	N	168	33.98	W	JUN	99	08	28								75	CP7		
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																			
PRI COND SN 2251		AT SURFACE																Cleaned air bleed valve			
SEC COND SN 501		PAR SN		FLUOR SN		CHIAM SN						MAX. DEPTH =				m					
POS.		TRIP		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER											
DEPTH																					
1 40.1																					
2 25.3																					
3 2.6																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

VESSEL Alpha Helix		PROJECT & LEG HX220				DSDB I.D.				STATION DESIGNATION MOR2								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY 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										
2425	648.7	N	16359.39	W	11	JUN	99	0608									74	
REMARKS																		
SBE 9+0																		
PRESS SN # 63503																		
PRI TEMP SN 1771																		
SEC TEMP SN 1772																		
PRI COND SN 2251																		
SEC COND SN 501																		
DATA LOCATION																		
Tape/Diskette ID File Name/Header																		
Cleared air bleed valve																		
MAX. DEPTH = m																		
CTD CONVERTED MONITOR VALUES																		
PAR SN _____ FLUOR SN _____ CHAM SN _____																		
POS.	TRIP DEPTH	SAMPLE BOTTLE DATA																
1	71	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT'S NUTR.								
2	40																	
3	24																	
4	24																	
5	20																	
6	10																	
7	0																	
8																		
9																		
10																		
11																		
12																		

Terry  
Amendment

VESSEL Alpha Helix		PROJECT & LEG HX220		DSDB I.D.		STATION DESIGNATION m0012															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	PRESSURE (mb)	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				
243	56°48'	62°N	163°59'	31'W	1	JUN	9	0644													
SBE 9+0																					
PRESS SN # 63523		DATA ON																			
PRI TEMP SN 1771		START DOWN																			
SEC TEMP SN 1772		AT DEPTH																			
PRI COND SN 2251		AT SURFACE																			
SEC COND SN 501		PAR SN		FLUOR SN		CHLOR SN		MAX. DEPTH = m													
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES																	
				PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		Bio		CHL.		WHIT'S NUTR.	
1	36																				
2	36																				
3	23																				
4	23																				
5	17																				
6	17																				
7	9																				
8	9																				
9	5																				
10	5																				
11	0																				
12	0																				

REMARKS

Rho's cast

Cleared air bleed valve

TRANS. SN

SAMPLE BOTTLE NUMBER

CTD CONVERTED MONITOR VALUES

Where is it?





[illegible]

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION																	
Alpha Helix	HX220			R7																	
CONSCAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD AMT	WEATHER TYPE	BOTTOM DEPTH	STA. NAME/ID						
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	.	.	(deg)	(m/s)	. . .	. . .	(m)							
24758.82 N	159442.23 W	11 JUN 99	0044											44							
SBE 9+0	TIMES	JDTIME	DATA LOCATION	REMARKS																	
PRESS SN # 63523	DATA ON	Tape/Diskette ID	File Name/Header																		
PRI TEMP SN 1771	START DOWN										<input type="checkbox"/> Cleaned air bleed valve										
SEC TEMP SN 1772	AT SURFACE										MAX. DEPTH = m										
PRI COND SN 2251	AT SURFACE																				
SEC COND SN 501	PAR SN	FLUOR SN	CHAM SN	TRANS. SN																	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY													SAL.	Bio	Chl.	WHIT'S NUTR.
1	No Samples																				
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					