

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION HX284001			
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		PRESSURE	
1 59 42.74 N		1 49 20.33 W		15 May 04		2006		7.1		16.36		10016	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS	
PRESS SN 6 3 5 0 3		DATA ON										Cleared air bleed valve	
PRI TEMP SN 1771		START DOWN										MAX. DEPTH = 220 m	
SEC TEMP SN 2578		AT DEPTH											
PRI COND SN 2272		AT SURFACE											
SEC COND SN 2251		PAR S/N 2516		FLUOR S/N 04516		Oxygen						TRANS. S/N	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES											
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. NUTR. CHL. PAM	
1 13												✓	
2 150												✓	
3 100												✓	
4 75												✓	
5 50												✓	
6 30												✓	
7 30												✓	
8 10												✓	
9 10												✓	
10 0												✓	
11													
12													

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION HX284003																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE * *		VISIBILITY (deg)		WIND DIRN. (m/s)		WIND SPD. (m/s)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
35918.46 N		14859.89 W		15 M a y 0 4		2355		6.6		.		1636		166		21		782		186		M3									
SBE 9+ 09P		TIMES		JD/TIME																											
PRESS SN		6 3 5 0 3		DATA ON																											
PRI TEMP SN		1771		START DOWN																											
SEC TEMP SN		2578		AT DEPTH																											
PRI COND SN		2272		AT SURFACE																											
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES																											
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM													
1		150																													
2		100																													
3		75																													
4		50																													
5		40																													
6		30																													
7		20																													
8		10																													
9		0																													
10																															
11																															
12																															

☐ Cleaned air bleed valve

MAX. DEPTH = 178 m

☐ TRANS. S/N

SAMPLE BOTTLE NUMBER

[illegible]

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSD8 I.D.		STATION DESIGNATION K22										
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	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	
	659 24 . 61 N	149 42 . 76 W		16 May 04		0806		6.4		.163		0902		2		127		K22
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION												
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header				REMARKS				
PRI TEMP SN 1771		START DOWN																
SEC TEMP SN 2578		AT DEPTH																
PRI COND SN 2272		AT SURFACE																
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen										MAX. DEPTH = 125 m		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM								
1	100						✓	✓										
2	75						✓	✓										
3	50						✓	✓										
4	30						✓	✓										
5	20						✓	✓										
6	10						✓	✓										
7	0						✓	✓										
8																		
9																		
10																		
11																		
12																		

Cleared air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * *	VISIBILITY (deg)	WIND DIRN. (m/s)	WIND SPD. (m/s)	CLOUD (amt) * *	WEATHER * *	BOTTOM DEPTH (m)	STA. NAME/ID	
447	59	18.13N	149	36.60W	16	M	ay	04	4920	6.6	.	163		130	28			2	122	K23
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS										
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header										
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 2578		AT DEPTH																		
PRI COND SN 2272		AT SURFACE																		
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen														
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																		
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. NUTR. CHL. PAM								
1	BGT ✓																			
2	100 ✓																			
3	75 ✓																			
4	50 ✓																			
5	40 ✓																			
6	30 ✓																			
7	20 ✓																			
8	10 ✓																			
9	0 ✓																			
10																				
11																				
12																				

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

SAMPLE BOTTLE NUMBER

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION K24																			
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) TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID			
8		59 11.58 N		114 30.23 W		16 May 04		10 12		6.9		.		163		13011								2		138		K24	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN		6 3 5 0 3		DATA ON																									
PRI TEMP SN		1771		START DOWN																									
SEC TEMP SN		2578		AT DEPTH																									
PRI COND SN		2272		AT SURFACE																									
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																	
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER													
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM											
1		b																											
2		100																											
3		75																											
4		50																											
5		40																											
6		30																											
7		20																											
8		10																											
9		0																											
10																													
11																													
12																													

☒ Cleaned air bleed valve

MAX. DEPTH = _____ m

☐ TRANS. S/N _____

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 284		
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	CLOCK TIME 0322H (GMT)
Deg MIN	Deg MIN	DAY MO YR	HR MIN	DRY BULB °C WET BULB °C PRESSURE mb SEA STATE * VISIBILITY * WIND DIRN. (deg) WIND SPD. (m/s) CLOUD (amt) TYPE WEATHER BOTTOM DEPTH (m) STA. NAME/IID
9 59 45 . 69 N	149 23 . 89 W	16 May 04	11 26	6.8 . 16 3 13 0 12 Z 192 K25
SBE 9+ 09P:	TIMES	JD/TIME	DATA LOCATION	
PRESS SN 6 3 5 0 3	DATA ON		Tape/Diskette ID File Name/Header	
PRI TEMP SN 1771	START DOWN			
SEC TEMP SN 2578	AT DEPTH			
PRI COND SN 2272	AT SURFACE			
SEC COND SN 2251	PAR S/N _ 4 5 1 6	FLUOR S/N _ 0 4 5 1 6	Oxygen	MAX. DEPTH = m
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		TRANS. S/N SAMPLE BOTTLE NUMBER
		PRESSURE	PRI. TEMP.	SEC. TEMP SALINITY
1 b ✓				SALINITY
2 15 0 ✓				SAL. NUTR. CHL. PAM
3 16 4 ✓				
4 75 ✓				
5 5 0 ✓				
6 3 0 ✓				
7 2 0 ✓				
8 1 0 ✓				
9 0 ✓				
10				
11				
12				

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
105858.50N		14917.64W	16 May 04	1235	7.1	.	163	*	*	134	12	*	*	2	225	126
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION						REMARKS				
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID						File Name/Header				
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	<input type="checkbox"/> PAR S/N		4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N		0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		<input type="checkbox"/> TRANS. S/N				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY					SALINITY						
1	6										SAL. NUTR. CHL. PAM					
2	150										✓					
3	100										✓					
4	75										✓					
5	50										✓					
6	40										✓					
7	30										✓					
8	20										✓					
9	10										✓					
10	0										✓					
11																
12																

☐ Cleaned air bleed valve

MAX. DEPTH = m

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 8 4				M3											
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	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)		
81			May 04												186		
SBE 9+ 09P1		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen											
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. DATA		SAL. NUTR.		CHL. PAM	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
REMARKS		had problems beacat Cleaned air bleed valve MAX. DEPTH = 186 m															
TRANS. S/N		SAMPLE BOTTLE NUMBER															

Check header

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				STATION DESIGNATION	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=	
01	15852.06N	149	11.17W	16	May	04	1333
DEG	MIN	DEG	MIN	DAY	MO	YR	TIME (GMT)
							1333
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 3 5 0 3		DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN 1771		START DOWN					
SEC TEMP SN 2578		AT DEPTH					
PRI COND SN 2272		AT SURFACE					
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY	
1	3						
2	150						
3	100						
4	75						
5	50						
6	30						
7	20						
8	10						
9	0						
10							
11							
12							

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

SAMPLE BOTTLE NUMBER

SAL. NUTR. CHL. PAM

CLOUD (amt)
TYPE
WEATHER
205
BOTTOM DEPTH
265
STA. NAME/ID
K27

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE VISIBILITY		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt) TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
14		58 38.82 N		148 58.04 W		16 May 04		4640		6.7		.		1836		200		11		782		134		K210			
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS															
PRESS SN		6 3 5 0 3		DATA ON																							
PRI TEMP SN		1771		START DOWN																							
SEC TEMP SN		2578		AT DEPTH																							
PRI COND SN		2272		AT SURFACE																							
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen															
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE DATA		SAL.		NUTR.		CHL.		PAM											
1		125		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM							
2		100																									
3		75																									
4		50																									
5		40																									
6		30																									
7		20																									
8		10																									
9		0																									
10																											
11																											
12																											

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

VESSEL		PROJECT & LEG		STATION DESIGNATION	
RV Alpha Helix		H X 2 8 4		DSDB I.D.	
CONSC CAST #		LATITUDE		LONGITUDE	
DEG MIN		DEG MIN		DATE JD=	
16 58 25 . 93 N		14 84 6 . 22 W		16 May 04	
SBE 9+ 09P:		TIMES		JD/TIME	
PRESS SN 6 3 5 0 3		DATA ON		Tape/Diskette ID	
PRI TEMP SN 1771		START DOWN		File Name/Header	
SEC TEMP SN 2578		AT DEPTH			
PRI COND SN 2272		AT SURFACE			
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		Oxygen	
PRESSURE		PRI. TEMP.		SEC. TEMP.	
SALINITY		SALINITY		SALINITY	
SAL.		NUTR.		CHL.	
PAM		PAM		PAM	

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 8 4				K214	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)
185813.36 N	14833.78 W	16 May 04	2113	6.7			1936
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	* * (deg)
							19013782
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION	
PRESS SN	6 3 5 0 3	DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN	1771	START DOWN					
SEC TEMP SN	2578	AT DEPTH					
PRI COND SN	2272	AT SURFACE					
SEC COND SN	2251	PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6 <input checked="" type="checkbox"/> Oxygen		<input type="checkbox"/> TRANS. S/N MAX. DEPTH = m	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES					
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1	710						SAL. NUTR. CHL. PAM
2	500						✓
3	300						✓
4	200						✓
5	150						✓
6	100						✓
7	75						✓
8	50						✓
9	30						✓
10	20						✓
11	10						✓
12	0						✓

REMARKS

Cleansed air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION K216													
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						
0205800.38N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	mb	*	*	*	(deg)	(m/s)	*	*	*	(m)		
SBE 9+ 09P:			TIMES		JD/TIME		DATA LOCATION												REMARKS				
PRESS SN	6 3 5 0 3		DATA ON				Tape/Diskette ID												File Name/Header				
PRI TEMP SN	1771		START DOWN																				
SEC TEMP SN	2578		AT DEPTH																				
PRI COND SN	2272		AT SURFACE																				
SEC COND SN	2251		<input type="checkbox"/> PAR S/N		4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N		0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		MAX. DEPTH =		m								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER									
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM													
1	640																						
2	500																						
3	250																						
4	160																						
5	100																						
6	50																						
7	30																						
8	10																						
9	0																						
10																							
11																							
12																							

☐ Cleaned air bleed valve

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 8 4				CPE2	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE
205986.05 N	15059.44 W	17 M a y 0 4	1628	6.6	6.6	2436	100
SBE 9+ 09P:	TIMES	JD/TIME	DATA LOCATION				
PRESS SN 6 3 5 0 3	DATA ON		Tape/Diskette ID File Name/Header				
PRI TEMP SN 1771	START DOWN						
SEC TEMP SN 2578	AT DEPTH						
PRI COND SN 2272	AT SURFACE						
SEC COND SN 2251	PAR S/N 4 5 1 6	FLUOR S/N 0 4 5 1 6	Oxygen	MAX. DEPTH = m			
POS. TRIP DEPTH	CTD CONVERTED MONITOR VALUES						
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1 B							
2 100							
3 75							
4 50							
5 40							
6 30							
7 20	leaking - bottom plug didn't seat properly						
8 10							
9 0							
10							
11							
12							

REMARKS

CPE2

Mooring not made

MAX. DEPTH =

CLEANED AIR BLEED VALVE

TRANS. S/N

SAL. NUTR. CHL. PAM

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION									
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
0245	2857.86 N	15055.96 W	17 May 04	1756	6.2				21	36	180	10	782	139	69E4		
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH = m									
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. DATA		SAMPLE BOTTLE NUMBER			
1	1004																
2	1004																
3	754																
4	564																
5	364																
6	204																
7	104																
8	0																
9																	
10																	
11																	
12																	

REMARKS: Nooring (but no chd)

Cleaned air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION CPES			
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB	
DEG		MIN		DEG		MIN		DAY		MO		YR	
25		58		53		36		N		15		05	
25		58		53		36		N		15		05	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS	
PRESS SN		6 3 5 0 3		DATA ON									
PRI TEMP SN		1771		START DOWN									
SEC TEMP SN		2578		AT DEPTH									
PRI COND SN		2272		AT SURFACE									
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen	
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		NUTR.	
1		132		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY	
2		100											
3		75											
4		30											
5		20											
6		10											
7		0											
8													
9													
10													
11													
12													

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION <i>Copec 7</i>										
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
275	845.13	N	15052.19	W	17	Ma	Y 04	2018	6.5	.	2336	140	4878	2	177	Good	07	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION												
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN 1771		START DOWN																
SEC TEMP SN 2578		AT DEPTH																
PRI COND SN 2272		AT SURFACE																
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		MAX. DEPTH = m										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY			SALINITY	SAL.	NUTR.	CHL.	PAM						
1	170									/								
2	150									/								
3	100									/								
4	75									/								
5	50									/								
6	30									/								
7	20									/								
8	10									/								
9	0									/								
10																		
11																		
12																		

Mooring

[illegible]

[illegible]

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION 0956						
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	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
315829.16N		15045.16W	17 May 04	2319	6.4	.	2436	140	10	782			91506	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS				
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header						
PRI TEMP SN	1771	START DOWN												
SEC TEMP SN	2578	AT DEPTH												
PRI COND SN	2272	AT SURFACE												
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH =		m
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										TRANS. S/N		
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY		SAL. BOTTLE DATA		SAL. BOTTLE NUMBER		SAL. NUTR. CHL. PAM		
1	85													
2	75													
3	50													
4	30													
5	20													
6	10													
7	0													
8														
9														
10														
11														
12														

[illegible]

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION 65052													
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 TYPE	BOTTOM DEPTH (m)	STA. NAME/ID				
35825.62N	15131.82W	18M	04	0500	6.5	.	2336	140	13	782	167	675	02						
SBE 9+ 09P		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID				File Name/Header									
PRI TEMP SN	1771	START DOWN																	
SEC TEMP SN	2578	AT DEPTH																	
PRI COND SN	2272	AT SURFACE																	
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = m							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER			
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL.		NUTR.	CHL.	PAM							
1	160																		
2	150																		
3	100																		
4	75																		
5	50																		
6	30																		
7	20																		
8	10																		
9	0																		
10																			
11																			
12																			

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION G-PS1																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
365824.		83 N		151 43.46 W		18 May 04		0353		6.5				2336		140		13		782		162		G-PS1							
SBE 9+ 09P:		TIMES		JD/TIME																											
PRESS SN		6 3 5 0 3		DATA ON																											
PRI TEMP SN		1771		START DOWN																											
SEC TEMP SN		2578		AT DEPTH																											
PRI COND SN		2272		AT SURFACE																											
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES																											
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. BOTTLE DATA		SAL. BOTTLE NUMBER		SAL.		NUTR.		CHL.		PAM									
1		150																													
2		100																													
3		75																													
4		50																													
5		30																													
6		20																													
7		10																													
8		0																													
9																															
10																															
11																															
12																															

☐ Cleaned air bleed valve

MAX. DEPTH = _____ m

☐ TRANS. S/N _____

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSD8 I.D.		STATION DESIGNATION G-P-11											
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		
385842.67N	15224.39W	18 May 04	0713	7.5	25.26	000	00782	15269W11									
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION						REMARKS					
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen					MAX. DEPTH = m						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA			SAMPLE BOTTLE NUMBER		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM							
1	145																
2	100																
3	50																
4	30																
5	20																
6	10																
7	0																
8																	
9																	
10																	
11																	
12																	

Cleared air bleed valve

[illegible]

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION																					
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	
41		58 49. 73 N		158 20. 88 W		18 May 04		08 37		6.2		.		25.2		2		14		08		2		100		C908					
SBE 9+ 09P		TIMES		JD/TIME																											
PRESS SN		6 3 5 0 3		DATA ON																											
PRI TEMP SN		1771		START DOWN																											
SEC TEMP SN		2578		AT DEPTH																											
PRI COND SN		2272		AT SURFACE																											
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER																			
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY				SALINITY		SAL.		NUTR.		CHL.		PAM											
1		3																													
2		75																													
3		50																													
4		30																													
5		20																													
6		10																													
7		0																													
8																															
9																															
10																															
11																															
12																															

Cleared air bleed valve

MAX. DEPTH = m

TRANS. S/N

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION <i>C2627</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
<i>42</i>	<i>58 59 . 04 N</i>	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	*	<i>2</i>	<i>92</i>
SBE 9+ 09P		TIMES		JD/TIME		DATA LOCATION												
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN 1771		START DOWN																
SEC TEMP SN 2578		AT DEPTH																
PRI COND SN 2272		AT SURFACE																
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen												
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. BOTTLE DATA		SAL. BOTTLE NUMBER		SAL. NUTR. CHL. PAM		
1	<i>85</i>															<i>182</i>		
2	<i>50</i>															<i>182</i>		
3	<i>30</i>															<i>182</i>		
4	<i>20</i>															<i>182</i>		
5	<i>10</i>															<i>182</i>		
6	<i>0</i>															<i>182</i>		
7																		
8																		
9																		
10																		
11																		
12																		

☐ Cleaned air bleed valve
MAX. DEPTH = *85* m

VESSEL		PROJECT & LEG						DSDB I.D.		STATION DESIGNATION															
RV Alpha Helix		H X 2 8 4																							
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	SEC	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)						
043	59 41.65 N	152	15.9	4 W	18	M	a y 0 4	10	22	6.0	.	262	2	144	47				133	GR066					
SBE 9+ 09P:		TIMES			JD/TIME			DATA LOCATION													REMARKS				
PRESS SN 6 3 5 0 3		DATA ON			Tape/Diskette ID													File Name/Header							
PRI TEMP SN 1771		START DOWN																							
SEC TEMP SN 2578		AT DEPTH																							
PRI COND SN 2272		AT SURFACE																							
SEC COND SN 2251		PAR S/N 4 5 1 6			FLUOR S/N 0 4 5 1 6			Oxygen																	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY				SALINITY		SAL.		NUTR.		CHL.		PAM					
1	BL																								
2	1004																								
3	75																								
4	504																								
5	304																								
6	204																								
7	104																								
8	0	lost label, destroyed sample																							
9																									
10																									
11																									
12																									

[illegible]

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																			
RV Alpha Helix		H X 2 8 4				60603																			
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)							
4105909	16N	15207.38	W	15	May	04	11	50	6.0	.	272	*	*	140	11	*	*	2	149	8103					
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION																			
PRESS SN		6 3 5 0 3		DATA ON		Tape/Diskette ID																			
PRI TEMP SN		1771		START DOWN		File Name/Header																			
SEC TEMP SN		2578		AT DEPTH																					
PRI COND SN		2272		AT SURFACE																					
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH =		m									
POS.		TRIP		CTD CONVERTED MONITOR VALUES														TRANS. S/N		SAMPLE BOTTLE NUMBER					
DEPTH		PRESSURE														PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. NUTR. CHL. PAM	
1	130																					34.6		✓	
2	120																							✓	
3	75																							✓	
4	50																							✓	
5	30																							✓	
6	20																							✓	
7	10																							✓	
8	0																							✓	
9																									
10																									
11																									
12																									

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION									
RV Alpha Helix		H X 2 8 4						C0702									
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
4759	11.61 N	15204.62 W	18	May	04	1222	6.1	.	27.2	*	*	145	12	*	*	2	100
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS							
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	<input type="checkbox"/> PAR S/N		4 5 1 6		<input type="checkbox"/> FLUOR S/N		0 4 5 1 6		<input type="checkbox"/> Oxygen		MAX. DEPTH =		m			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM							
1	90																
2	75																
3	50																
4	30																
5	20																
6	10																
7	0																
8																	
9																	
10																	
11																	
12																	

☐ Cleaned air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION											
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
448	59 13.94 N	152 52.62 W		18 May 04		1248	2.3	.	27.2	2	1	40	14		*	2	6901
SBE 9+ 09P		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH = m									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY		SAL.	NUTR.	CHL.	PAM						
1	B-								✓								
2	50								✓								
3	30								✓								
4	20								✓								
5	10								✓								
6	0								✓								
7																	
8																	
9																	
10																	
11																	
12																	

Cleared air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION P31								
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
49	5838.99 N	15033.76 W	18	M	04	1815	6.3	.	342	140	46	2	218	P31		
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS						
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID File Name/Header										
PRI TEMP SN 1771		START DOWN														
SEC TEMP SN 2578		AT DEPTH														
PRI COND SN 2272		AT SURFACE														
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen										
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. NUTR. CHL. PAM				
1	2010											49.2 ✓				
2	150											✓				
3	100											✓				
4	75											✓				
5	50											✓				
6	30											✓				
7	20											✓				
8	10											✓				
9	0															
10																
11																
12																

MAX. DEPTH = m

TRANS. S/N

[illegible]

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION PB4								
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
52	5825.24N	15039.13W	18	May	04	2026	6.6	.	30	26	17	44	44	78	2		23	PB4
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION												
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID File Name/Header												
PRI TEMP SN 1771		START DOWN																
SEC TEMP SN 2578		AT DEPTH																
PRI COND SN 2272		AT SURFACE																
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		MAX. DEPTH = m										
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. BOTTLE DATA		SAL. BOTTLE NUMBER		SAL. NUTR. CHL. PAM		
1	65																	
2	50																	
3	30																	
4	20																	
5	10																	
6	0																	
7																		
8																		
9																		
10																		
11																		
12																		

Cleared air bleed valve

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION 766									
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
54	5816.02N	15041.50W	18 May 04	2151	6.3	34.26	1744	7782	66	PB66							
SBE 9+ 09P		TIMES		JD/TIME		DATA LOCATION				REMARKS							
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID				File Name/Header							
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH =		m			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM							
1	55																
2	40																
3	20																
4	10																
5	0																
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Cleaned air bleed valve

[illegible]

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 8 4				P39	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)
575802.09 N	15047.55 W	19 May 04	0009	6.8	34.27	1.74	9.782
SBE 9+ 09P	TIMES	JD/TIME	DATA LOCATION		REMARKS		
PRESS SN 6 3 5 0 3	DATA ON		Tape/Diskette ID		File Name/Header		
PRI TEMP SN 1771	START DOWN						
SEC TEMP SN 2578	AT DEPTH						
PRI COND SN 2272	AT SURFACE						
SEC COND SN 2251	PAR S/N 4 5 1 6	<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6	<input checked="" type="checkbox"/> Oxygen	MAX. DEPTH =		<input type="checkbox"/> TRANS. S/N	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES			SAMPLE BOTTLE DATA		
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.
1	140						
2	100						
3	75						
4	50						
5	30						
6	20						
7	10						
8	0						
9							
10							
11							
12							

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION 1310									
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	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)			
585757.41 N		15049.17 W	19	Mar	04	00	54	6.8	.	311	5	174	49			2	102 TR10		
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header									
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 2578		AT DEPTH																	
PRI COND SN 2272		AT SURFACE																	
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		MAX. DEPTH = m				<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.	NUTR.	CHL.	PAM					
1	95										/								
2	60										/								
3	40										/								
4	20										/								
5	10										/								
6	0										/								
7																			
8																			
9																			
10																			
11																			
12																			

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION P312									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	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
605748.11N		150552.82W	19 May 04	0216	6.9	.	3426	174	14	782	782	782	782	782	P312
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		REMARKS							
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header							
PRI TEMP SN	1771	START DOWN													
SEC TEMP SN	2578	AT DEPTH													
PRI COND SN	2272	AT SURFACE													
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM						
1	70														
2	50														
3	30														
4	20														
5	10														
6	0														
7															
8															
9															
10															
11															
12															

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)
0615343.45 N	115054.69 W	19 May 04	0256	6.8	.	3126170	1178278
SBE 9+ 09P:		TIMES JD/TIME		DATA LOCATION Tape/Diskette ID File Name/Header		REMARKS	
PRESS SN 6 3 5 0 3	DATA ON						
PRI TEMP SN 1771	START DOWN						
SEC TEMP SN 2578	AT DEPTH						
PRI COND SN 2272	AT SURFACE						
SEC COND SN 2251	PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH = m
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES					SAMPLE BOTTLE DATA
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1	70						
2	50						
3	30						
4	20						
5	10						
6	0						
7							
8							
9							
10							
11							
12							

Cleared air bleed valve

TRANS. S/N

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION CH10											
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	
62	5739.71 N	15105.87 W		9 May 04	0352	6.5	.	31	26	174	12	782			74	CH10	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		REMARKS									
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
	PRESSURE	PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1	65																
2	40																
3	20																
4	10																
5	0																
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Cleaned air bleed valve

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSD8 I.D.		STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt) *		TYPE *		WEATHER *		BOTTOM DEPTH (m)		STA. NAME/ID	
645734		.34N		15121.08W		19 May 04		0517		6.5		.		311517417		282		72		CH08													
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																					
PRESS SN		6 3 5 0 3		DATA ON																													
PRI TEMP SN		1771		START DOWN																													
SEC TEMP SN		2578		AT DEPTH																													
PRI COND SN		2272		AT SURFACE																													
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																					
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		NUTR.		CHL.		PAM																	
1		65		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM													
2		40												C64		/																	
3		20												82		/F																	
4		10														/F																	
5		6																															
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION CH6													
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					
665730.65	N 15128.10	W 19	May 04	0617	6.6	.	3225	224	13	782	144	CH06							
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN	6 3 5 0 3	DATA ON		Tape/Diskette ID		File Name/Header													
PRI TEMP SN	1771	START DOWN																	
SEC TEMP SN	2578	AT DEPTH																	
PRI COND SN	2272	AT SURFACE																	
SEC COND SN	2251	PAR S/N		4 5 1 6		X FLUOR S/N		0 4 5 1 6		X Oxygen		MAX. DEPTH =		m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		NUTR.		CHL.		PAM					
1	100	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
2	75											C66		/					
3	50											32		/					
4	30													/					
5	20													/4					
6	10													/6					
7	0													/P					
8																			
9																			
10																			
11																			
12																			

Didn't fire at bottom (135m)... operator error

[illegible]

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION									
RV Alpha Helix		H X 2 8 4															
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		
6857227.46N	15132.60W	19 May 04	0713	6.7			3226226	13782	134	CH04							
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		REMARKS									
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		TRANS. S/N		MAX. DEPTH = m							
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER											
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1	100																
2	75																
3	50																
4	30																
5	20																
6	10																
7	0																
8																	
9																	
10																	
11																	
12																	

No bottle fired at station (130m)
operator error

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION										
RV Alpha Helix		H X 2 8 4																
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
69	5726.36 N	15135.24 W	19	May	04	0741	6.7		3226	2226	14	782	67	CH03				
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION												
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN 1771		START DOWN																
SEC TEMP SN 2578		AT DEPTH																
PRI COND SN 2272		AT SURFACE																
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		MAX. DEPTH = m										
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAL.	NUTR.	CHL.	PAM							
1	52																	
2	30																	
3	20																	
4	10																	
5	0																	
6																		
7																		
8																		
9																		
10																		
11																		
12																		

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

SAMPLE BOTTLE NUMBER

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION															
RV Alpha Helix		H X 2 8 4																					
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					
705724	24.84 N	151	38.46 W	19	M a y 0 4	0805	6.7		322	*	*	220	15	*	*	*	2	68 CH02					
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION												REMARKS					
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header															
PRI TEMP SN 1771		START DOWN																					
SEC TEMP SN 2578		AT DEPTH																					
PRI COND SN 2272		AT SURFACE																					
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen												MAX. DEPTH = m					
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES												TRANS. S/N		SAMPLE BOTTLE NUMBER							
		PRESSURE												PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. NUTR. CHL. PAM	
1	60																			870			
2	30																						
3	20																						
4	10																						
5	0																						
6																							
7																							
8																							
9																							
10																							
11																							
12																							

[illegible]

[illegible]

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION 3A7					
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
745654	93°N	15209.84W		19 May 04		1239	6.8	.	331	224	14	2	86	3A7	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS					
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID				File Name/Header					
PRI TEMP SN	1771	START DOWN													
SEC TEMP SN	2578	AT DEPTH													
PRI COND SN	2272	AT SURFACE													
SEC COND SN	2251	<input type="checkbox"/> PAR S/N _ 4 5 1 6		<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input type="checkbox"/> Oxygen				MAX. DEPTH = m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM						
1	77					77	✓								
2	50					50	✓								
3	30					30	✓								
4	20					20	✓								
5	10					10	✓								
6	0					0	✓								
7															
8															
9															
10															
11															
12															

418

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION B1A5									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	WEATHER TYPE *	BOTTOM DEPTH (m)	STA. NAME/ID
765650.58N		15223.24W	19 May 04	1404	6.8		3427			220	17	072	2	150	B1A5
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		REMARKS							
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header							
PRI TEMP SN	1771	START DOWN													
SEC TEMP SN	2578	AT DEPTH													
PRI COND SN	2272	AT SURFACE													
SEC COND SN	2251	<input type="checkbox"/> PAR S/N _ 4 5 1 6		<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input type="checkbox"/> Oxygen									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES													
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY		SAL. NUTR. CHL. PAM							
1	140														
2	100														
3	75														
4	50														
5	30														
6	20														
7	10														
8	0														
9															
10															
11															
12															

☐ Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

SAMPLE BOTTLE
DATA

1100

120

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION												
CONSC CAST #	LATITUDE 42.40	LONGITUDE 29.95		DATE JD= 15 2 29 . 8 8 W 1 9 M a y 0 4		TIME (GMT) 1443	DRY BULB (°C) 6.9	WET BULB (°C) .	PRESSURE (mb) 3427	SEA STATE *	VISIBILITY *	WIND DIRN. (deg) 230	WIND SPD. (m/s) 11	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m) 162	STA. NAME/ID B44
77	5648.39 N	15229.88 W		19 May 04		1449	6.9	.	3427	*	*	230	11	872	*	*	162	B44
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS						
PRESS SN 6 3 5 0 3		DATA ON																
PRI TEMP SN 1771		START DOWN																
SEC TEMP SN 2578		AT DEPTH																
PRI COND SN 2272		AT SURFACE																
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen												
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		NUTR.		CHL.		PAM				
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM		
1	64																	
2	100																	
3	75																	
4	50																	
5	30																	
6	20																	
7	10																	
8	5																	
9																		
10																		
11																		
12																		

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

SAMPLE BOTTLE NUMBER

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION 13A3																							
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	
78		5646.20N		15236.63W		19 May 04		1527		2.8		.		342		7236		8672		99		8A3									
SBE 9+ 09P:		TIMES		JD/TIME																											
PRESS SN		6 3 5 0 3		DATA ON																											
PRI TEMP SN		1771		START DOWN																											
SEC TEMP SN		2578		AT DEPTH																											
PRI COND SN		2272		AT SURFACE																											
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER																			
1		90		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM											
2		50																													
3		30																													
4		20																													
5		10																													
6		0																													
7																															
8																															
9																															
10																															
11																															
12																															

☒ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

VESSEL		PROJECT & LEG		STATION DESIGNATION	
RV Alpha Helix		H X 2 8 4		DSDB I.D. 13A2	
CONSC CAST #	44.42	LATITUDE	43.43	DATE JD=	1442
DEG	MIN	DEG	MIN	DAY	MO
42	99	15	43	43	W 19 May 04
SBE 9+ 09P:	TIMES		JD/TIME		1604
PRESS SN	6 3 5 0 3	DATA ON		Tape/Diskette ID	
PRI TEMP SN	1771	START DOWN		File Name/Header	
SEC TEMP SN	2578	AT DEPTH			
PRI COND SN	2272	AT SURFACE			
SEC COND SN	2251	PAR S/N		FLUOR S/N	
POS.	TRIP DEPTH	4 5 1 6		0 4 5 1 6	
		CTD CONVERTED MONITOR VALUES		Oxygen	
1	64	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY
2	50				
3	30				
4	20				
5	10				
6	4				
7					
8					
9					
10					
11					
12					
		DATA LOCATION		REMARKS	
		Tape/Diskette ID		File Name/Header	
		MAX. DEPTH =		Cleared air bleed valve	
		TRANS. S/N		SAMPLE BOTTLE NUMBER	
		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
		SAL. NUTR. CHL. PAM			

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION BA1													
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		
805641	15250.00	19	W	19	Ma	Y	0	4	1638	7.0	.	352	7	210	8	372	64		
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION													
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID File Name/Header													
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 2578		AT DEPTH																	
PRI COND SN 2272		AT SURFACE																	
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH = m											
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																	
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1	55																		
2	30																		
3	20																		
4	10																		
5	0																		
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Cleared air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	SEA STATE
48 15 32.19 N	152 51.87 W	19 May 04	1742	5.7	.	3525	21414
SBE 9+ 09P		TIMES	JD/TIME	DATA LOCATION			
PRESS SN	6 3 5 0 3	DATA ON		Tape/Diskette ID	File Name/Header		
PRI TEMP SN	1771	START DOWN					
SEC TEMP SN	2578	AT DEPTH					
PRI COND SN	2272	AT SURFACE					
SEC COND SN	2251	<input type="checkbox"/> PAR S/N	4 5 1 6	<input type="checkbox"/> FLUOR S/N	0 4 5 1 6	<input type="checkbox"/> Oxygen	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.
1	61					81	✓
2	30						✓
3	20						✓
4	10						✓
5	0						✓
6							
7							
8							
9							
10							
11							
12							

REMARKS

Cleared air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

edn1

BOTTOM
DEPTH
(m)

WEATHER

CLOUD (amt)

WIND
SPD.
(m/s)WIND
DIRN.
(deg)

VISIBILITY

SEA STATE

PRESSURE
(mb)WET
BULB
(°C)DRY BULB
(°C)TIME
(GMT)

DATE JD=

LONGITUDE

LATITUDE

CONSC
CAST #VESSEL
RV Alpha HelixPROJECT & LEG
H X 2 8 4

DSDB I.D.

STATION DESIGNATION

VESSEL						PROJECT & LEG							STATION DESIGNATION													
RV Alpha Helix						H X 2 8 4																				
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					
G&Z		21.13	42.02		1993 May 04			1903												215	edn2					
DEG MIN		21	02		15242.02W			19		HR MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*		(m)						
SBE 9+ 09P:			TIMES	JL/TIME	DATA LOCATION																	REMARKS				
PRESS SN	6 3 5 0 3		DATA ON		Tape/Diskette ID File Name/Header																					
PRI TEMP SN	1771		START DOWN																							
SEC TEMP SN	2578		AT DEPTH																			<input type="checkbox"/> Cleaned air bleed valve				
PRI COND SN	2272		AT SURFACE																			MAX. DEPTH = m				
SEC COND SN	2251		<input type="checkbox"/> PAR S/N	4 5 1 6	<input type="checkbox"/> FLUOR S/N	0 4 5 1 6	<input type="checkbox"/> Oxygen																		<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																			SAL.	NUTR.	CHL.	PAM
1	b ₁																									
2	158																									
3	160																									
4	75																									
5	50																									
6	30																									
7	20																									
8	10																									
9	D																									
10																										
11																										
12																										

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION cd03													
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)				
	83 56 19.77 N	152 40.77 W		19	Mar	04	00 30	5.5				36 25	22 0	12			4	686 ED 103			
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION															
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header				REMARKS							
PRI TEMP SN 1771		START DOWN																			
SEC TEMP SN 2578		AT DEPTH																			
PRI COND SN 2272		AT SURFACE																			
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen		MAX. DEPTH =		<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.	NUTR.	CHL.	PAM				
1	1655																				
2	500																				
3	250																				
4	150																				
5	100																				
6	75																				
7	50																				
8	30																				
9	20																				
10	10																				
11	0																				
12																					

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION EDN4								
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
84	5618.54N	15239.70W	19	May	04	2246	5.7	.	3626210	13872	1050	EDN4						
SBE 9+ 09P		TIMES		JD/TIME		DATA LOCATION												
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN	1771	START DOWN																
SEC TEMP SN	2578	AT DEPTH																
PRI COND SN	2272	AT SURFACE																
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = m						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM						
1	1020								/									
2	500								/									
3	400								/									
4	300								/									
5	200								/									
6	150								/									
7	100								/									
8	60								/									
9	30								/									
10	20								/									
11	10								/									
12	0								/									

REMARKS
Depth uncertain, all meter values
kicked in. Badly estimated
~ 1050.
Cleaned air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION EDN5	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	SEA STATE
85	56.14.27N	15235.12W	20 May 04	0118	5.8	.	362621449
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 3 5 0 3		DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN 1771		START DOWN					
SEC TEMP SN 2578		AT DEPTH					
PRI COND SN 2272		AT SURFACE					
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY	
1 1500						SALINITY	
2 1000						SAL. NUTR. CHL. PAM	
3 500						/ / /	
4 350						/ / /	
5 200						/ / /	
6 150		Subsurface T-max				/ / /	
7 100						/ / /	
8 60						/ / /	
9 30						/ / /	
10 20						/ / /	
11 10						/ / /	
12 0						/ / /	

☐ Cleaned air bleed valve

MAX. DEPTH = _____ m

☐ TRANS. S/N _____

SAMPLE BOTTLE NUMBER _____

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION						
RV Alpha Helix		H X 2 8 4						EDN 6						
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
86	5605.64N	15223.58W	20 May 04	0335	5.9	.	3626214	12	87	24134	EDN 06			
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header						
PRI TEMP SN	1771	START DOWN												
SEC TEMP SN	2578	AT DEPTH												
PRI COND SN	2272	AT SURFACE												
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = m		
CTD CONVERTED MONITOR VALUES		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		TRANS. S/N		
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. NUTR. CHL. PAM		
1	1460											C86 /		
2	1000											/		
3	500											/		
4	200											/		
5	100											/		
6	75											/		
7	50											/		
8	32											/		
9	20											/		
10	10											/		
11	0													
12														

S

B

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION EDN7								
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 * *	STDB+ BOTTOM DEPTH (m)	STA. NAME/ID
875556.35N	15214.81W	20M	a	y	04	0550	6.1	.	3626214	67	872				EDN07	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID				File Name/Header						
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	<input type="checkbox"/> PAR S/N		4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N		0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		MAX. DEPTH =		m		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY		SAL.	NUTR.	CHL.	PAM					
1	1500								/							
2	1520								/							
3	500								/							
4	350								/							
5	200								/							
6	150								/							
7	100								/							
8	60								/							
9	40								/							
10	20								/							
11	10								/							
12	0								/							

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION									
RV Alpha Helix		H X 2 8 4				EDN8									
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
885547	35 N	15207.23 W	20 May 04	0742	6.2		362		210	11			25800	EDN08	
SBE 9+ 09P.		TIMES		JD/TIME		DATA LOCATION				REMARKS					
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header							
PRI TEMP SN	1771	START DOWN													
SEC TEMP SN	2578	AT DEPTH													
PRI COND SN	2272	AT SURFACE													
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = m			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM					
1	1500						88.81	✓							
2	1000							✓							
3	500							✓							
4	400							✓							
5	300							✓							
6	200							✓							
7	100							✓							
8	60							✓							
9	30							✓							
10	20							✓							
11	10							✓							
12	0							✓							

Cleared air bleed valve

VESSEL						PROJECT & LEG								STATION DESIGNATION														
RV Alpha Helix						H X 2 8 4																						
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt) TYPE WEATHER		STA. BOTTOM DEPTH		NAME/ID		
089	5537.93 N	15200.13 W	24 May 04	1153	5.8	. . .	352	210	10	* * *	*	*	*	*	*	*	*	500ft	e dn 9									
SBE 9+ 09P:																												
PRESS SN	63503	DATA ON																										
PRI TEMP SN	1771	START DOWN																										
SEC TEMP SN	2578	AT DEPTH																										
PRI COND SN	2272	AT SURFACE																										
SEC COND SN	2251	<input type="checkbox"/> PAR S/N _ 4 5 1 6		<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input type="checkbox"/>		Oxygen																				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																										
SAMPLE BOTTLE DATA																												
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE NUMBER																		
1	1500 ✓																											
2	1000 ✓																											
3	500 ✓																											
4	400 ✓																											
5	300 ✓																											
6	200 ✓																											
7	100 ✓																											
8	60 ✓																											
9	30 ✓																											
10	20 ✓																											
11	10																											
12	0																											

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION 02011									
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	
91	55 19 . 60 N	151 43 . 91 W		2004 May 04		1820	5.7	.	3522	7	215	9	8	42	5000	edn11	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH = m									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY		SAL.	NUTR.	CHL.	PAM						
1	1500																
2	1000																
3	500																
4	400																
5	350																
6	200																
7	150																
8	60																
9	30																
10	20																
11	10																
12	0																

Cleaned air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION EDN 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	
925510.91	N	15136.09	W	20	May 04	2104	6.2	.	3527	260	8	8724088	EDN12						
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION													
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header				REMARKS					
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 2578		AT DEPTH																	
PRI COND SN 2272		AT SURFACE																	
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		MAX. DEPTH =		m		<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.	NUTR.	CHL.	PAM									
1	1500							/											
2	1000							/											
3	500							/											
4	300							/											
5	200							/											
6	150							/											
7	100							/											
8	60							/											
9	40							/											
10	20							/											
11	10							/											
12	0							/											

VESSEL RV Alpha Helix						PROJECT & LEG H X 284							DSDB I.D.																						
										STATION DESIGNATION																									
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)								
435502.10N			15128.37W			20 May 04			2332		5.9				35		27		196		108		+240		10E		DN13								
SBE 9+ 09P:						TIMES						JD/TIME						DATA LOCATION						REMARKS											
PRESS SN						6 3 5 0 3						DATA ON _____						Tape/Diskette ID _____						File Name/Header _____											
PRI TEMP SN						1771						START DOWN _____																							
SEC TEMP SN						2578						AT DEPTH _____																							
PRI COND SN						2272						AT SURFACE _____																							
MAX. DEPTH = _____ m																																			
SEC COND SN						2251						<input type="checkbox"/> PAR S/N _ 4 5 1 6						<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6						<input type="checkbox"/> Oxygen						<input checked="" 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. NUTR. CHL. PAM					
1 1500 ✓																														CG#3 75					
2 1000 ✓																																			
3 500 ✓																																			
4 300 ✓																																			
5 200 ✓																																			
6 150 ✓																																			
7 100 ✓																																			
8 60 ✓																																			
9 40 ✓																																			
10 20 ✓																																			
11 10 ✓																																			
12 0 ✓																																			

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION																			
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE * * *		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt) * * *		WEATHER * * *		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		(mb)		* * *		(deg)		(m/s)		* * *		* * *		(m)					
945453.07N		15120.70W		21 Mar 04		0246		5.5				3427		1944		787		28405		EDN14									
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN 6 3 5 0 3		DATA ON																											
PRI TEMP SN 1771		START DOWN																											
SEC TEMP SN 2578		AT DEPTH																											
PRI COND SN 2272		AT SURFACE																											
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH =		m		TRANS. S/N																	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER																							
PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM													
1 1500																													
2 1000																													
3 500																													
4 200																													
5 200																													
6 150																													
7 100																													
8 60																													
9 40																													
10 20																													
11 10																													
12 0																													

016/SEA 1031M

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 8 4				Edw1	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE
95	55 19.33 N	153 17.67 W	21 May 04	1005	5.5	3.2	20011
DEG	MIN	DEG	MIN	HR	MIN	(°C)	(°C)
SBE 9+ 09P:	9	TIMES	JD/TIME	DATA LOCATION			
PRESS SN	6 3 5 0 3	DATA ON		Tape/Diskette ID			
PRI TEMP SN	1771	START DOWN		File Name/Header			
SEC TEMP SN	2578	AT DEPTH					
PRI COND SN	2272	AT SURFACE					
SEC COND SN	2251	PAR S/N	4 5 1 6	FLUOR S/N	0 4 5 1 6	Oxygen	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES					
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL. NUTR. CHL. PAM
1	500 ✓						✓
2	400 ✓						✓
3	300 ✓						✓
4	200 ✓						✓
5	150 ✓						✓
6	100 ✓						✓
7	75 ✓						✓
8	50 ✓						✓
9	30 ✓						✓
10	20 ✓						✓
11	10						✓
12	0						✓

REMARKS 297

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

SAMPLE BOTTLE DATA

without wet sampled

12

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION								
CONSC CAST #	23.94 LATITUDE	66.97 LONGITUDE	DATE JD=		1137 TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
496	55 24 . 60 N	153 61 . 07 W	21	May	04	11 49	5.3	3.8	200	10	2	2	2	2	2	edw2
SBE 9+ 09P		TIMES		JD/TIME		DATA LOCATION				REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header								
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = 565 m				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										TRANS. S/N				
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM				
1	506															
2	405															
3	300															
4	200															
5	150															
6	100															
7	75															
8	50															
9	30															
10	20															
11	10															
12	0															

Cleared air bleed valve

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 8 4															
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
598	30.67	36.00		15236.06 W 21 M a y 0 4		1416	5.1	5.1	36	*	*	7200	10872	5000	5000	5000	2604
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	*	*	(m)	
SBE 9+ 09P		TIMES		JD/TIME		DATA LOCATION						REMARKS					
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID						File Name/Header					
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen						MAX. DEPTH = m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES															
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM					
1	500								✓								
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Cleared air bleed valve

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 8 4															
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
499	5532.93 N	15227.69 W	21 Mar 04	1540	5.3				32	*	7200	8	872	5000		ed05	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION											
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES															
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM					
1	1500								599	✓							
2	1000									✓							
3	500									✓							
4	400									✓							
5	300									✓							
6	200									✓							
7	100									✓							
8	60									✓							
9	30									✓							
10	20	I did not get a sample for the bottle at 20m although all 12 bottles were good.															
11	10																
12	0																

I did not get a sample for the bottle at 20m although all 12 bottles were good.



[illegible]

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 8 4																	
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 TYPE	BOTTOM DEPTH (m)	STA. NAME/ID		
101	55 37.94N	152 11.93W	21 May 04	18 48	5.7				31		7220	88	725000				E407		
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION						REMARKS							
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID						File Name/Header							
PRI TEMP SN 1771		START DOWN																	
SEC TEMP SN 2578		AT DEPTH										<input type="checkbox"/> Cleaned air bleed valve MAX. DEPTH = _____ m							
PRI COND SN 2272		AT SURFACE																	
SEC COND SN 2251		<input type="checkbox"/> PAR S/N _ 4 5 1 6		<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input type="checkbox"/> Oxygen						<input type="checkbox"/> TRANS. S/N _____							
POS.		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER													
TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1	1500 ✓																		
2	1000 ✓																		
3	500 ✓																		
4	400 ✓																		
5	300 ✓																		
6	200 ✓																		
7	100 ✓																		
8	60 ✓																		
9	30 ✓																		
10	20 ✓																		
11	10 ✓																		
12	0																		

VESSEL RV Alpha Helix				PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION E/DW8															
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		STATION NAME/ID	
102		5540.02N		15202.56W		21 May 04		2011		6.1		.		31		7230		10872								EDW08	
SBE 9+ 09P				TIMES				JD/TIME				DATA LOCATION				REMARKS											
PRESS SN 6 3 5 0 3				DATA ON				Tape/Diskette ID				File Name/Header				NO Samples											
PRI TEMP SN 1771				START DOWN																							
SEC TEMP SN 2578				AT DEPTH																							
PRI COND SN 2272				AT SURFACE																							
SEC COND SN 2251				PAR S/N 4 5 1 6				FLUOR S/N 0 4 5 1 6				Oxygen				MAX. DEPTH = m											
POS. TRIP DEPTH				CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				TRANS. S/N				SAMPLE BOTTLE NUMBER											
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM											
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Cleaned air bleed valve

[illegible]

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION						
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
105	5546.49 N	151	37.08 W	22	M a y 0 4	0109	7.4	.	30	72	10	07	8	72		EDW11
SBE 9+ 09P1		TIMES		JD/TIME		DATA LOCATION				REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header								
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH								<input type="checkbox"/> Cleaned air bleed valve MAX. DEPTH = _____ m						
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	<input type="checkbox"/> PAR S/N _ 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen						<input type="checkbox"/> TRANS. S/N _____ SAMPLE BOTTLE NUMBER				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES														
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER					
1	1500										SAL. NUTR. CHL. PAM					
2	1000															
3	500															
4	350															
5	200															
6	150															
7	100															
8	60															
9	40															
10	20															
11	10															
12	0															

[illegible]

[illegible]

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 284		
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN
1085553	.22N	15112.58W	22M a y 04	0518
SBE 9+ 09P:	TIMES	JD/TIME	DATA LOCATION	REMARKS
PRESS SN 6 3 5 0 3	DATA ON _____		Tape/Diskette ID	File Name/Header
PRI TEMP SN 1771	START DOWN _____			
SEC TEMP SN 2578	AT DEPTH _____			Cleaned air bleed valve
PRI COND SN 2272	AT SURFACE			
MAX. DEPTH = _____ m				
SEC COND SN 2251	PAR S/N _ 4 5 1 6	FLUOR S/N _ 0 4 5 1 6	Oxygen	TRANS. S/N _____
POS. TRIP DEPTH	CTD CONVERTED MONITOR VALUES			
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY
1				SALINITY
2				SAL.
3				NUTR.
4				CHL.
5				PAM
6				
7				
8				
9				
10				
11				
12				
				BOTTOM DEPTH NAME/I D
				>5000 EDV14

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION										
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR		TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	WEATHER TYPE *	BOTTOM DEPTH (m)	STA. NAME/ID
1095555	42 N	151 04.23 W	22	2	2004	06	14	6.7	29	5	210	11	87	2		EDWIS
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		REMARKS								
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header								
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = m				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM							
1	500						/									
2	400						/									
3	300						/									
4	200						/									
5	150						/									
6	100						/									
7	75						/									
8	50						/									
9	30						/									
10	20						/									
11	10						/									
12	0						/									

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION								
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1105554.96 N	15048.17 W	22	May	04	0746	6.9	29	29	210	09	2	2	2	2	2	EDW16
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID				File Name/Header						
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	<input type="checkbox"/> PAR S/N		4 5 1 6		<input type="checkbox"/> FLUOR S/N		0 4 5 1 6		<input type="checkbox"/> Oxygen		MAX. DEPTH = m				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM						
1	500						31	/								
2	400							/								
3	300							/								
4	200							/								
5	150							/								
6	100							/								
7	75							/								
8	50							/								
9	30							/								
10	20							/								
11	10							/								
12	0							/								

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION															
CONSC CAST #		LATITUDE 54.66		LONGITUDE 31.59		DATE JD= 15431.94W 22 May 04		TIME (GMT) 0909		DRY BULB (°C) 7.1		WET BULB (°C) 28		PRESSURE (mb) 1010		SEA STATE (deg) 8		WIND SPD. (m/s) 2		CLOUD (amt) TYPE WEATHER		BOTTOM DEPTH (m) 5444		STA. NAME/ID Ed 04	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS													
PRESS SN 6 3 5 0 3		DATA ON																							
PRI TEMP SN 1771		START DOWN																							
SEC TEMP SN 2578		AT DEPTH																							
PRI COND SN 2272		AT SURFACE																							
SEC COND SN 2251		<input type="checkbox"/> PAR S/N 4 5 1 6		<input type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input type="checkbox"/> Oxygen																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER									
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM							
1		566 ✓																							
2		406 ✓																							
3		366 ✓																							
4		200 ✓																							
5		150 ✓																							
6		100 ✓																							
7		25 ✓																							
8		50 ✓																							
9		30 ✓																							
10		20 ✓																							
11		10 ✓																							
12		0																							

☐ Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION																			
CONSC CAST #		LATITUDE 08.19		LONGITUDE 14.92		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	
1125608.25N		15015.37W		22 May 04		1057		7.0		28		210		10		25000		EDV18											
SBE 9+ 09P1		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN 6 3 5 0 3		DATA ON																											
PRI TEMP SN 1771		START DOWN																											
SEC TEMP SN 2578		AT DEPTH																											
PRI COND SN 2272		AT SURFACE																											
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH =		m																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER																					
1		500		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM									
2		400												C113		✓													
3		300														✓													
4		200														✓													
5		150														✓													
6		100														✓													
7		75														✓													
8		50														✓													
9		30														✓													
10		20														✓													
11		10														✓													
12		0														✓													

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION			
CONSC CAST #		13.23 LATITUDE		58.34 LONGITUDE		DATE JD= 1222 TIME (GMT)		DRY BULB		WET BULB		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)	
1135613.74N		14958.59W		22 May 04		1238		7.3		.		27	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS			
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header					
PRI TEMP SN 1771		START DOWN											
SEC TEMP SN 2578		AT DEPTH											
PRI COND SN 2272		AT SURFACE											
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH =			m		
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL. NUTR. CHL. PAM					
1 500		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. NUTR. CHL. PAM	
2 400													
3 300													
4 200													
5 150													
6 100													
7 75													
8 50													
9 30													
10 20													
11 10													
12 0													

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION							
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE * * *	VISIBILITY * * *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) * * *	TYPE WEATHER * * *	BOTTOM DEPTH (m)	STA. NAME/ID
115	5810.75 N	14341.96 W	23 Mar 04	0430	7.6				22		3180	7				192541	ED2W4
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header				REMARKS			
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH = m									
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. NUTR. CHL. PAM		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1	765																
2	500																
3	250																
4	170																
5	70																
6	40																
7	20																
8	0																
9																	
10																	
11																	
12																	

☒ Cleaned air bleed valve

[illegible]

VESSEL		PROJECT & LEG						DSDB I.D.	STATION DESIGNATION																												
RV Alpha Helix		H	X	2	8	4																															
CONSC CAST #	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	SEC	DEG MIN	SEC	THIRD SEC	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	* (m)																		
17	58	10	.90	N	14	7	23	M	a	y	0	4	07	03	7.9	.	21	7	18	01	08	72	SqZ	E D	2w6												
SBE 9+ 09P:												TIMES	JD/TIME	DATA LOCATION												REMARKS											
PRESS SN 6 3 5 0 3												DATA ON		Tape/Diskette ID File Name/Header																							
PRI TEMP SN 1771												START DOWN														<input type="checkbox"/> Cleaned air bleed valve											
SEC TEMP SN 2578												AT DEPTH																									
PRI COND SN 2272												AT SURFACE														MAX. DEPTH = _____ m											
SEC COND SN 2251		<input type="checkbox"/> PAR S/N _ 4 5 1 6										<input checked="" type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		<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.	NUTR.	CHL.	PAM		
1	250																																				
2	500																																				
3	250																																				
4	150																																				
5	100																																				
6	50																																				
7	20																																				
8	0																																				
9																																					
10																																					
11																																					
12																																					

VESSEL RV Alpha Helix				PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION																			
CONSC CAST #		10,87 LATITUDE		65.83 LONGITUDE		DATE JD=		0758 TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
11858		11.12N		14705.44W		23 May 04		0815		7.9		.21		180		12		23800		ED2W7											
SBE 9+ 09P:				TIMES				JD/TIME				DATA LOCATION				REMARKS															
PRESS SN 6 3 5 0 3				DATA ON				Tape/Diskette ID				File Name/Header																			
PRI TEMP SN 1771				START DOWN																											
SEC TEMP SN 2578				AT DEPTH																											
PRI COND SN 2272				AT SURFACE																											
SEC COND SN 2251				PAR S/N 4 5 1 6				FLUOR S/N 0 4 5 1 6				Oxygen				MAX. DEPTH = 744 m															
POS. TRIP DEPTH				CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER																			
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM															
1 750																															
2 500																															
3 250																															
4 150																															
5 100																															
6 50																															
7 20																															
8 0																															
9																															
10																															
11																															
12																															

Cleaned air bleed valve

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION							
CONSC CAST #	11.43 LATITUDE	41.74 LONGITUDE	DATE JD=		1424 TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	4782 BOTTOM DEPTH (m)	STA. NAME/ID
124	5811.22N	14641.46W	23	Mar	04	1045	7.9	.			186	16	*	*	*	24776	68209
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS							
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH =		m							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY		SAL.	NUTR.	CHL.	PAM						
1	750																
2	560																
3	256																
4	156																
5	100																
6	50																
7	20																
8	0																
9																	
10																	
11																	
12																	

Cleaned air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION			
CONSC CAST #		LATITUDE 10.81		LONGITUDE 17.91		DATE JD= 1255 TIME (GMT)		DRY BULB (°C)		WET BULB (°C)	
DEG		MIN		DEG		MIN		DAY		MO	
12258		10.96N		14617.52W		23 May 04		1314		7.9	
SBE 9+ 09P1		TIMES		JD/TIME		DATA LOCATION					
PRESS SN		6 3 5 0 3		DATA ON		Tape/Diskette ID		File Name/Header			
PRI TEMP SN		1771		START DOWN							
SEC TEMP SN		2578		AT DEPTH							
PRI COND SN		2272		AT SURFACE							
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6	
POS.		TRIP		CTD CONVERTED MONITOR VALUES		Oxygen		SAMPLE BOTTLE DATA			
DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY	
1		7561									
2		5001									
3		2501									
4		1501									
5		1601									
6		501									
7		201									
8		0									
9											
10											
11											
12											

☒ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

SAMPLE BOTTLE NUMBER

SAL. NUTR. CHL. PAM

WIND DIRN. (deg)

WIND SPD. (m/s)

CLOUD (amt)

TYPE

WEATHER

BOTTOM DEPTH (m)

STA. NAME/ID

4654

64654

14614

19

1255

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																				
RV Alpha Helix		H X 2 8 4																								
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SFA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID								
123	5810.92 N	146	05.54 W	23	M a y 0 4	1428	7.8	.	19	*	6	130	1287	645	33			ED2012								
SBE 9+ 09P1		TIMES		JD/TIME		DATA LOCATION												REMARKS								
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID												File Name/Header								
PRI TEMP SN 1771		START DOWN																								
SEC TEMP SN 2578		AT DEPTH																								
PRI COND SN 2272		AT SURFACE																								
SEC COND SN 2251		PAR S/N _ 4 5 1 6		FLUOR S/N _ 0 4 5 1 6		Oxygen		MAX. DEPTH = m																		
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															TRANS. S/N		SAMPLE BOTTLE NUMBER							
		PRESSURE															PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. NUTR. CHL. PAM	
1	750																						133 21			
2	500																									
3	250																									
4	150																									
5	100																									
6	50																									
7	20																									
8	0																									
9																										
10																										
11																										
12																										

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION			
CONSC CAST #		LATITUDE 16.88		LONGITUDE 53.96		DATE JD= DAY MO YR		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		PRESSURE (mb)		SEA STATE *		VISIBILITY *	
124 58 10.88 N		145 54.07 W		23 May 04		15 43		7.8		18		6 130 128	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS			
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header			
PRI TEMP SN 1771		START DOWN											
SEC TEMP SN 2578		AT DEPTH											
PRI COND SN 2272		AT SURFACE											
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH =		m			
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL. NUTR. CHL. PAM					
PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY					
1 750													
2 500													
3 250													
4 150													
5 100													
6 50													
7 20													
8 0													
9													
10													
11													
12													

Cleaned air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION E020014								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	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
125	58 10. 85 N	145 42. 01 W	23 May 04	1703	8.2	.		6	134	168	76	41	34	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS				
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header						
PRI TEMP SN	1771	START DOWN												
SEC TEMP SN	2578	AT DEPTH												
PRI COND SN	2272	AT SURFACE												
SEC COND SN	2251	PAR S/N		4 5 1 6	FLUOR S/N		0 4 5 1 6	Oxygen						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA		SAL.		NUTR.	CHL.	PAM	
1	750 ✓													
2	500 ✓													
3	250 ✓													
4	150 ✓													
5	100 ✓													
6	50 ✓													
7	20 ✓													
8	0													
9														
10														
11														
12														

Cleared air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION														
RV Alpha Helix		H X 2 8 4																		
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	
127	58 10.91 N	145 18.14 W	23 May 04	1959	8.1	.	17	6	130	15	8	46	3953							
SBE 9+ 09P:		TIMES		JD/TIME		1940		DATA LOCATION												
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header												
PRI TEMP SN 1771		START DOWN																		
SEC TEMP SN 2578		AT DEPTH																		
PRI COND SN 2272		AT SURFACE																		
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen		MAX. DEPTH = m												
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																		
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM								
1	750																			
2	500																			
3	250																			
4	150																			
5	100																			
6	50																			
7	30																			
8	0																			
9																				
10																				
11																				
12																				

Cleared air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE NUMBER

✓	7
---	---

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION											
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR		TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID	
129	58 11.09 N	144 53.99 W	23	Mar	2004	22	45	8.2	.	16	6	13	0	15	78	63886	ED2 W18
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION						REMARKS					
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID						File Name/Header					
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen						MAX. DEPTH = m					
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. BOTTLE DATA		SAL. BOTTLE DATA		SAL. NUTR. CHL. PAM			
1	750																
2	500																
3	250																
4	125																
5	80																
6	50																
7	20																
8	0																
9																	
10																	
11																	
12																	

Cleaned air bleed valve

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION										
RV Alpha Helix		H X 2 8 4																
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
130581	1.03N	14441.28W	24M	ay	04	0007	8.2	.	16	6	15	14	87	63	834	ED2W19		
SBE 9+ 09P	TIMES		JD/TIME		DATA LOCATION				REMARKS									
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN	1771	START DOWN																
SEC TEMP SN	2578	AT DEPTH																
PRI COND SN	2272	AT SURFACE																
SEC COND SN	2251	PAR S/N		4 5 1 6	FLUOR S/N		0 4 5 1 6	Oxygen		MAX. DEPTH = m								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL.	NUTR.	CHL.	PAM							
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

No samples. Engine trouble causes early retrieval.

Cleaned air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSD8 I.D.				STATION DESIGNATION							
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
1315	810.89 N	14441.71 W		24 May 04		0714	8.4	.	15	3	184	46			4	3833	ED2W19
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header				REMARKS			
PRI TEMP SN 1771		START DOWN				* 2nd time at station											
SEC TEMP SN 2578		AT DEPTH				Cleaned air bleed valve											
PRI COND SN 2272		AT SURFACE				MAX. DEPTH = m											
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen		TRANS. S/N									
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA		SALINITY		SAL.	NUTR.	CHL.	PAM				
1	750									31	/						
2	500									31	/						
3	250										/						
4	150										/						
5	100										/						
6	50										/						
7	20	- taking bottle - NO SAMPLES TAKEN															
8	0										/						
9																	
10																	
11																	
12																	

*

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION																					
CONSC CAST #		10.79 LATITUDE		29.98 LONGITUDE		DATE JD=		G213 TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		3860 BOTTOM DEPTH		282020 STA. NAME/ID	
132		5810.88N		14430.14W		24 May 04		0831		7.9		.		14		180		04													
SBE 9+ 09P1		TIMES		JD/TIME																											
PRESS SN		6 3 5 0 3		DATA ON																											
PRI TEMP SN		1771		START DOWN																											
SEC TEMP SN		2578		AT DEPTH																											
PRI COND SN		2272		AT SURFACE																											
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES																											
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. BOTTLE DATA		SAL. BOTTLE NUMBER		SAL.		NUTR.		CHL.		PAM									
1		750																													
2		500																													
3		250																													
4		150																													
5		100																													
6		50																													
7		20																													
8		0																													
9																															
10																															
11																															
12																															

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

VESSEL						PROJECT & LEG							STATION DESIGNATION																						
RV Alpha Helix						H X 2 8 4																													
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)						
1335810.81 N			14417.98 W			24 May 04			0950		7.7				14				18005								23722		e22021						
SBE 9+ 09P:			TIMES			JD/TIME			DATA LOCATION																		REMARKS								
PRESS SN 6 3 5 0 3			DATA ON			Tape/Diskette ID File Name/Header																													
PRI TEMP SN 1771			START DOWN																																
SEC TEMP SN 2578			AT DEPTH																																
PRI COND SN 2272			AT SURFACE																																
SEC COND SN 2251			<input type="checkbox"/> PAR S/N _ 4 5 1 6			<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6			<input type="checkbox"/> Oxygen			MAX. DEPTH = m												<input type="checkbox"/> Cleaned air bleed valve											
POS. TRIP DEPTH			CTD CONVERTED MONITOR VALUES																		TRANS. S/N _				SAMPLE BOTTLE NUMBER										
			PRESSURE			PRI. TEMP.			SEC. TEMP			SALINITY			SALINITY			SAMPLE DATA			SAL. NUTR. CHL. PAM														
1 750 ^m																		133																	
2 500 ^m																																			
3 250 ^m																																			
4 150 ^m																																			
5 100 ^m																																			
6 50 ^m																																			
7 20 ^m																																			
8 0																																			
9																																			
10																																			
11																																			
12																																			

[illegible]

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION						
RV Alpha Helix				H X 2 8 4														
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
135	10.97		54.06		14354.36W 24 May 04		1232		7.5		12	1	120	12	12	123642	23	ed2w23
SBE 9+ 09P:				TIMES				DATA LOCATION				REMARKS						
PRESS SN 6 3 5 0 3				DATA ON				Tape/Diskette ID				File Name/Header						
PRI TEMP SN 1771				START DOWN														
SEC TEMP SN 2578				AT DEPTH														
PRI COND SN 2272				AT SURFACE														
SEC COND SN 2251				PAR S/N 4 5 1 6				FLUOR S/N 0 4 5 1 6				Oxygen						
POS. TRIP DEPTH				CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER						
PRESSURE				PRI. TEMP.				SEC. TEMP.				SALINITY						
1	750 ✓																	
2	500 ✓																	
3	250 ✓																	
4	150 ✓																	
5	100 ✓																	
6	50 ✓																	
7	20																	
8	0																	
9																		
10																		
11																		
12																		

high current
150 850
for 7-00

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 284		
CONSC CAST #	LATITUDE 10.81	LONGITUDE 42.43	DATE JD=
DEG MIN	DEG MIN	DAY MO YR	HR MIN
1365811.15 N	14343.45 W	24 May 04	1441
SBE 9+ 09P:	TIMES	JD/TIME	DATA LOCATION
PRESS SN	6 3 5 0 3	DATA ON	Tape/Diskette ID File Name/Header
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	2578	AT DEPTH	
PRI COND SN	2272	AT SURFACE	
SEC COND SN	2251	PAR S/N _ 4 5 1 6	FLUOR S/N _ 0 4 5 1 6 Oxygen
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES	
DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP SALINITY
1 750 ✓			
2 500 ✓			
3 250 ✓			
4 150 ✓			
5 100 ✓			
6 50 ✓			
7 20			
8 0			
9			
10			
11			
12			
		SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
		SAL. NUTR. CHL. PAM	
		MAX. DEPTH = m	Cleaned air bleed valve
		TRANS. S/N	Oxygen
		SAMPLE BOTTLE NUMBER	

75

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION EP02025									
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
137	58 11.29 N	143	30.64 W	24	May 04	1530	7.9	.	08	6	020	18	870	3634			
SBE 9+ 09P1		TIMES		JD/TIME		1517		DATA LOCATION		REMARKS							
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	<input type="checkbox"/> PAR S/N _ 4 5 1 6		<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input type="checkbox"/> Oxygen		MAX. DEPTH =		m							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
	PRESSURE	PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL.		NUTR.	CHL.	PAM			
1	750 ✓									137		✓					
2	500 ✓											✓					
3	250 ✓											✓					
4	150 ✓											✓					
5	100 ✓											✓					
6	50											✓					
7	20											✓					
8	0											✓					
9																	
10																	
11																	
12																	

[illegible]

VESSEL RV Alpha Helix						PROJECT & LEG H X 2 8 4								DSDB I.D.							STATION DESIGNATION <i>HV2</i>																																
CONSC CAST # <i>139</i>		LATITUDE <i>59 49.95</i>			LONGITUDE <i>147 15.33</i>			DATE JD= <i>1759</i>			TIME (GMT) <i>(0)</i>		DRY BULB <i>7.3</i>		WET BULB <i>()</i>		PRESSURE <i>44.36</i>		SEA STATE <i>0</i>		VISIBILITY <i>10</i>		WIND DIRN. <i>10</i>		WIND SPD. <i>8</i>		CLOUD (amt) <i>2</i>		TYPE WEATHER <i>2</i>		BOTTOM DEPTH <i>90</i>		STA. NAME/ID <i>HV2</i>																				
		DEG MIN			DEG MIN			DAY MO YR			HR MIN		(°C)		(°C)		(mb)		*		*		(deg)		(m/s)		*		*		(m)																						
SBE 9+ 09P:						TIMES						JD/TIME						DATA LOCATION														REMARKS <i>HV2</i>																					
PRESS SN 6 3 5 0 3						DATA ON _____						Tape/Diskette ID _____						File Name/Header _____																																			
PRI TEMP SN 1771						START DOWN _____																																															
SEC TEMP SN 2578						AT DEPTH _____																																															
PRI COND SN 2272						AT SURFACE _____																																															
MAX. DEPTH = _____ m																																																					
SEC COND SN 2251						<input type="checkbox"/> PAR S/N _ 4 5 1 6						<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6						<input type="checkbox"/> Oxygen						<input type="checkbox"/> TRANS. S/N _____																													
POS. TRIP DEPTH						CTD CONVERTED MONITOR VALUES																								SAMPLE BOTTLING DATA						SAMPLE BOTTLING NUMBER																	
						PRESSURE						PRI. TEMP.						SEC. TEMP.						SALINITY						SALINITY						SAL.						NUTR.		CHL.		PAM							
1						<i>b✓</i>																																															
2						<i>40✓</i>																																															
3						<i>a</i>																																															
4																																																					
5																																																					
6																																																					
7																																																					
8																																																					
9																																																					
10																																																					
11																																																					
12																																																					

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION H04									
CONSC CAST #	49.86 LATITUDE	95.25 LONGITUDE	DATE JD=		1914 TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
141	59 49.84 N	147 05.33 W	25	May	04	1924	7.4	.	99	6	000	128	72	247		H04	
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS							
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID				File Name/Header							
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen						MAX. DEPTH =		m			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		TRANS. S/N			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY					SALINITY		SAL. NUTR. CHL. PAM					
1	6																
2	100																
3	50																
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Cleaned air bleed valve

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION																		
RV Alpha Helix		H X 2 8 4						H25																		
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)									
14	25950.44N	14	659.99W	25	M	04	19	56	7.2	.	44	6	350	12	872	175										
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION												REMARKS								
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header																		
PRI TEMP SN 1771		START DOWN																								
SEC TEMP SN 2578		AT DEPTH																								
PRI COND SN 2272		AT SURFACE																								
SEC COND SN 2251		PAR S/N 4 5 1 6		FLUOR S/N 0 4 5 1 6		Oxygen												MAX. DEPTH = CLEANED air bleed valve								
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															TRANS. S/N		SAMPLE BOTTLE NUMBER							
		PRESSURE															PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. NUTR. CHL. PAM	
1 165																										
2 100																										
3 50																										
4 0																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION							
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
1435950.00N	14655.19W	25	M	04	2032	7.5	.	99	6350	10	872	91	426				
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS							
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	<input type="checkbox"/> PAR S/N _ 4 5 1 6		<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6		<input type="checkbox"/> Oxygen											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL.		NUTR.	CHL.	PAM					
1	85									/							
2	40									/							
3	20									/							
4	0									/							
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

☐ Cleaned air bleed valve
 MAX. DEPTH = m

VESSEL						PROJECT & LEG						STATION DESIGNATION																							
RV Alpha Helix						H X 284																													
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)											
1445950.04 N		14650.18 W		25 May 04		2105		7.5		.		99		6		414488		872		72		#27													
SBE 9+ 09P:						TIMES						JD/TIME						DATA LOCATION						REMARKS											
PRESS SN 6 3 5 0 3						DATA ON						Tape/Diskette ID						File Name/Header																	
PRI TEMP SN 1771						START DOWN																													
SEC TEMP SN 2578						AT DEPTH																													
PRI COND SN 2272						AT SURFACE																													
SEC COND SN 2251						PAR S/N 4 5 1 6						FLUOR S/N 0 4 5 1 6						Oxygen						MAX. DEPTH = m											
POS. TRIP DEPTH						CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA						SAMPLE BOTTLE NUMBER																	
PRESSURE						PRI. TEMP.						SEC. TEMP						SALINITY						SALINITY						SAL. NUTR. CHL. PAM					
1 65																																			
2 40																																			
3 20																																			
4 0																																			
5																																			
6																																			
7																																			
8																																			
9																																			
10																																			
11																																			
12																																			

VESSEL		PROJECT & LEG						DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		H X 2 8 4																				
CONSC CAST #	LATITUDE	LONGITUDE			DATE JD=			TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID			
145	59 34 . 93 N	146	50 . 46 W	25	M	a	y	0	4	22	46	8 . 4	.	99	6	288	49	872	132	H M 7		
SBE 9+ 09P1		TIMES			JD/TIME			DATA LOCATION													REMARKS	
PRESS SN 6 3 5 0 3		DATA ON			Tape/Diskette ID													File Name/Header				
PRI TEMP SN 1771		START DOWN																				
SEC TEMP SN 2578		AT DEPTH																				
PRI COND SN 2272		AT SURFACE																				
SEC COND SN 2251		PAR S/N _ 4 5 1 6			FLUOR S/N _ 0 4 5 1 6			Oxygen			MAX. DEPTH = m			CLEANED air bleed valve								
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES													TRANS. S/N		SAMPLE BOTTLE NUMBER					
		PRESSURE PRI. TEMP. SEC. TEMP SALINITY													SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
1	125														SALINITY	SAL.	NUTR.	CHL.	PAM			
2	50																					
3	20																					
4	0																					
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	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	
1465934.97N		14655.03W	25 May 04	2322	8.1	.	99		6284	49	872			172	446	
SBE 9+ 09P:		TIMES		JD/TIME	DATA LOCATION				REMARKS							
PRESS SN	6 3 5 0 3	DATA ON	Tape/Diskette ID				File Name/Header									
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE					MAX. DEPTH = m									
SEC COND SN	2251	<input type="checkbox"/> PAR S/N	4 5 1 6	<input type="checkbox"/> FLUOR S/N	0 4 5 1 6	<input type="checkbox"/> Oxygen	TRANS. S/N									
CTD CONVERTED MONITOR VALUES																
POS.	TRIP DEPTH	PRESSURE				PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER			
1	165							SALINITY					SAL.	NUTR.	CHL.	PAM
2	100															
3	40															
4	0															
5																
6																
7																
8																
9																
10																
11																
12																

☐ Cleaned air bleed valve

VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 8 4															
CONSC CAST #	LATITUDE	LONGITUDE	DATE	JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1475934	95°N	147°00.112W	25 May 04		2354	7.8		99		6320	11	872				215	HMS
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen											
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL. BOTTLE DATA		SAL. BOTTLE NUMBER		SAL. NUTR. CHL. PAM	
1	150																
2	50																
3	0																
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

☐ Cleaned air bleed valve
 MAX. DEPTH = 205 m

☐ TRANS. S/N

No bottle fired at max depth

[illegible]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION						
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR		TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1495934.92N		14710.11W	26	May	04	0100	7.4	.	99	632	11	872	202			HM3
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID				File Name/Header						
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	<input type="checkbox"/> PAR S/N		4 5 1 6		<input type="checkbox"/> FLUOR S/N		0 4 5 1 6		<input type="checkbox"/> Oxygen		MAX. DEPTH = m				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
	PRESSURE	PRI. TEMP.	SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	CHL.	PAM			
1	195															
2	100															
3	50															
4	0															
5																
6																
7																
8																
9																
10																
11																
12																

☐ Cleaned air bleed valve

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION									
RV Alpha Helix		H X 2 8 4															
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 TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
1505925.00N	14714.95W	26	M	a	Y	04	0134	8.4	.	99	63	24	06	87	2	204	4m2
SBE 9+ 09P1		TIMES		JD/TIME		DATA LOCATION											
PRESS SN 6 3 5 0 3		DATA ON		Tape/Diskette ID File Name/Header													
PRI TEMP SN 1771		START DOWN															
SEC TEMP SN 2578		AT DEPTH															
PRI COND SN 2272		AT SURFACE															
SEC COND SN 2251		PAR S/N 4 5 1 6		<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6		<input checked="" type="checkbox"/> Oxygen											
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES															
		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. NUTR. CHL. PAM					
1	195																
2	100																
3	40																
4	0																
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
		MAX. DEPTH = m															
		<input type="checkbox"/> Cleaned air bleed valve															
		TRANS. S/N															
		SAMPLE BOTTLE NUMBER															

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 8 4																	
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	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	5934.98 N	14719.90 W	26 M	04	02	08	8.3	.	99	6	32	4	12	8	72	146	4M1		
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION												REMARKS	
PRESS SN		6 3 5 0 3		DATA ON		Tape/Diskette ID												File Name/Header	
PRI TEMP SN		1771		START DOWN															
SEC TEMP SN		2578		AT DEPTH															
PRI COND SN		2272		AT SURFACE															
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH = 140 m					
POS.		TRIP		CTD CONVERTED MONITOR VALUES												TRANS. S/N			
DEPTH		SAMPLE BOTTLE DATA												SAMPLE BOTTLE NUMBER					
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1	100																		
2	40																		
3	0																		
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.				STATION DESIGNATION						
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
152	5920.13 N	147	19.85 W	26	Ma	0359	7.2		44	63	24	10	87	2	171	HS1
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header								
PRI TEMP SN	1771	START DOWN														
SEC TEMP SN	2578	AT DEPTH														
PRI COND SN	2272	AT SURFACE														
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		MAX. DEPTH =		m		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL.	NUTR.	CHL.	PAM				
1	160															
2	90															
3	30															
4	0															
5																
6																
7																
8																
9																
10																
11																
12																

Cleaned air bleed valve

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		H X 2 8 4																
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
1535919.95N	DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	*	(m)	1452
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION						REMARKS						
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID		File Name/Header										
PRI TEMP SN	1771	START DOWN																
SEC TEMP SN	2578	AT DEPTH																
PRI COND SN	2272	AT SURFACE																
SEC COND SN	2251	PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen		TRANS. S/N		MAX. DEPTH =		m		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM						
1	180																	
2	100																	
3	30																	
4	0																	
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Cleared air bleed valve

VESSEL RV Alpha Helix						PROJECT & LEG H X 284							DSDB I.D.									STATION DESIGNATION										
CONSC CAST #		LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)		DY BULB	WET BULB		PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/IID								
		DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)									
154		59 19 . 94 N			147 09 . 64 W			26 May 04			05 08		7.4	.	99	6	3	4	11	8	7	2	0	194	153							
SBE 9+ ODP:						TIMES						DATA LOCATION						REMARKS														
PRESS SN 6 3 5 0 3						DATA ON _____						Tape/Diskette ID						File Name/Header														
PRI TEMP SN 1771						START DOWN _____																										
SEC TEMP SN 2578						AT DEPTH _____												<input checked="" type="checkbox"/> Cleaned air bleed valve														
PRI COND SN 2272						AT SURFACE												MAX. DEPTH = m														
SEC COND SN 2251						<input type="checkbox"/> PAR S/N _ 4 5 1 6						<input type="checkbox"/> FLUOR S/N _ 0 4 5 1 6						<input type="checkbox"/> Oxygen														
POS.		TRIP		CTD CONVERTED MONITOR VALUES																		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		DEPTH		PRESSURE						PRI. TEMP.						SEC. TEMP						SALINITY						SAL.	NUTR.	CHL.	PAM	
1		183																														
2		100																														
3		50																														
4		Ø																														
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSD8 I.D.				STATION DESIGNATION																			
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE VISIBILITY		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
156		59 19 . 88 N		146 59 . 77 W		26 May 04		06 13		7 . 4				99		7		344		48		872		193		455			
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN		6 3 5 0 3		DATA ON																									
PRI TEMP SN		1771		START DOWN																									
SEC TEMP SN		2578		AT DEPTH																									
PRI COND SN		2272		AT SURFACE																									
SEC COND SN		2251		PAR S/N		4 5 1 6		FLUOR S/N		0 4 5 1 6		Oxygen																	
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP		SALINITY		SALINITY		SAL. NUTR.		CHL.		PAM											
1		181																											
2		100																											
3		50																											
4		0																											
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

☐ Cleaned air bleed valve
 MAX. DEPTH = m

☐ TRANS. S/N

CTD CONVERTED MONITOR VALUES

 SAMPLE BOTTLE DATA
 SAMPLE BOTTLE NUMBER

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4				DSDB I.D.		STATION DESIGNATION									
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	
157	59 20 . 04 N	146	54 . 96 W	26	May 04	0644	7 . 2	.	44		340	09			2	193	HS6
SBE 9+ 09P:		TIMES		JD/TIME		DATA LOCATION				REMARKS							
PRESS SN	6 3 5 0 3	DATA ON				Tape/Diskette ID				File Name/Header							
PRI TEMP SN	1771	START DOWN															
SEC TEMP SN	2578	AT DEPTH															
PRI COND SN	2272	AT SURFACE															
SEC COND SN	2251	PAR S/N		4 5 1 6	FLUOR S/N	0 4 5 1 6	Oxygen					MAX. DEPTH = m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY		SALINITY		SAL.	NUTR.	CHL.	PAM						
1	189																
2	100																
3	50																
4	0																
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Cleared air bleed valve

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 8 4		DSDB I.D.		STATION DESIGNATION	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)
158	5926.02N	14656.03W	26 May 04	0716	2.2	.	44
DEG	MIN	DEG	MIN	DAY	MO	YR	HR
SBE 9+ 09P	TIMES	JD/TIME	DATA LOCATION				
PRESS SN 6 3 5 0 3	DATA ON		Tape/Diskette ID File Name/Header				
PRI TEMP SN 1771	START DOWN						
SEC TEMP SN 2578	AT DEPTH						
PRI COND SN 2272	AT SURFACE						
SEC COND SN 2251	PAR S/N 4 5 1 6	<input checked="" type="checkbox"/> FLUOR S/N 0 4 5 1 6	<input checked="" type="checkbox"/> Oxygen	MAX. DEPTH = m			
POS. TRIP	CTD CONVERTED MONITOR VALUES						TRANS. S/N
DEPTH	SAMPLE BOTTLE DATA						SAMPLE BOTTLE NUMBER
	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.
1 175							
2 100							
3 50							
4 0							
5							
6							
7							
8							
9							
10							
11							
12							

376