

Cen 1, GALL

Depth below keel
Add 2m

VESSEL		PROJECT & LEG				DSD8 I.D.		STATION DESIGNATION													
RV Alpha Helix		H X 2 4 5						KRE62													
CONSC	CASE #	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)			
72																		78			
SBE 9+09P 18507-0533		TIMES		JD/TIME																	
PRESS SN 6 8 4 6 7		DATA ON																			
PRI TEMP SN 2578		START DOWN																			
SEC TEMP SN 2708		AT DEPTH																			
PRI COND SN 638		AT SURFACE																			
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN															
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																			
1	75	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.		CHL.		PAM	
2	60																				
3	50																				
4	40																				
5	30																				
6	20																				
7	10																				
8	0																				
9																					
10																					
11																					
12																					

Cell Counts

5-8 Added

VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION																	
RV Alpha Helix		H X 2 4 5				K052																	
CONSC	CST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	WIND TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)			(deg)	(m/s)			(m)					
35	40	30	N	16	51	85	W	07	11	43	5							75					
SBE 9+09P: 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS											
PRESS SN 6 8 4 6 7		DATA ON										Good Station											
PRI TEMP SN 2578		START DOWN										Cleared air bleed valve											
SEC TEMP SN 2708		AT DEPTH										MAX. DEPTH = m											
PRI COND SN 638		AT SURFACE										TRANS. SN											
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN						SAMPLE BOTTLE DATA											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAL.		NUTR.		CHL.		PAM		Other	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY							SALINITY											
1	38																						
2	38																						
3	38																						
4	5																						
5	5																						
6	5																						
7																							
8																							
9																							
10																							
11																							
12																							

VESSEL		PROJECT & LEG		DSDB ID.		STATION DESIGNATION																			
RV Alpha Helix		H X 2 4 5				20653																			
CONSC	CASE #	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)							
45	25	10	10	7	JUN	01	16	54										94							
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION																			
PRESS SN 6 8 4 6 7		DATA ON				File Name/Header																			
PRI TEMP SN 2578		START DOWN																							
SEC TEMP SN 2708		AT DEPTH																							
PRI COND SN 638		AT SURFACE																							
SEC COND SN 2272																									
POS. TRIP DEPTH		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN		SAMPLE BOTTLE DATA																	
		CTD CONVERTED MONITOR VALUES						PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1	90																	9							
2	70																	10							
3	50																	11							
4	30																	12							
5	00																	13							
6	10																	14							
7	0																	15							
8																									
9																									
10																									
11																									
12																									

cell count

Set up filters inside -
NO filters

VESSEL		PROJECT & LEG		DSOB I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				UNAS2							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
55329.94	N 16 30.12 W	8 J U N 0 1	0330									96	
SBE 9+09P 19507-0533		TIMES		JD/TIME	DATA LOCATION		REMARKS						
PRESS SN 6 8 4 6 7		DATA ON			Tape/Diskette ID		File Name/Header						
PRI TEMP SN 2578		START DOWN											
SEC TEMP SN 2708		AT DEPTH											
PRI COND SN 638		AT SURFACE											
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2	CHAM SN								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
1	91	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other		
2	70							16	✓	✓	✓		
3	50							17	✓	✓	✓		
4	40							18	✓	✓	✓		
5	30							19	✓	✓	✓		
6	20							20	✓	✓	✓		
7	10							21	✓	✓	✓		
8	0							22	✓	✓	✓		
9								23	✓	✓	✓		
10													
11													
12													

Cell count

52x

0

10

20

30

(20-23)

01159a12

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				UNAS3	
CONSC	CASE #	LATITUDE		LONGITUDE		DATE JD=	
		DEG	MIN	DEG	MIN	DAY	MO
	65320.02	N	16	44	09	W	8
		TIME	GMT	DRY	BULB	WET	BULB
SBE 9+09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 68467		DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN 2578		START DOWN					
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN	
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
POS.		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	
1	82						
2	70						
3	50						
4	40						
5	30						
6	20						
7	10						
8	0						
9							
10							
11							
12							

WIND DIRN.	WIND SPD.	WIND TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
(deg)	(m/s)			(m)	
				92	

SEA STATE	PRESSURE	WET BULB	DRY BULB	TIME (GMT)	WIND DIRN.	WIND SPD.	CLOUD (amt)	WIND TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	(mb)	(°C)	(°C)	HR MIN	(deg)	(m/s)				(m)	
				10 15						92	

MAX. DEPTH =	TRANS. SN	SAMPLE BOTTLE NUMBER
m		

SAL.	NUTR.	CHL.	PAM	Other
24.5	24	✓	✓	✓
24.5	25	✓	✓	✓
24.5	26	✓	✓	✓
24.5	27	✓	✓	✓
24.5	28	✓	✓	✓
24.5	29	✓	✓	✓
24.5	30	✓	✓	✓
24.5	31	✓	✓	✓

28-31
let

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				UMN 51							
CONSC	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	WET BULB	DRY BULB	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID
CAST #	DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)		
0075259.52	168	11	23	W08	JUN 01	1204						96	UMN 51
SBE 9+09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS	
PRESS SN 6 8 4 6 7		DATA ON										25 m mixo	
PRI TEMP SN 2578		START DOWN										green	
SEC TEMP SN 2708		AT DEPTH										Cleaned air bleed valve	
PRI COND SN 638		AT SURFACE										MAX. DEPTH = m	
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN		TRANS. SN		SAMPLE BOTTLE NUMBER			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SALINITY		SALINITY		SAL		NUTR.	
1	96	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY					32		CHL	
2	70									33		PAM	
3	50									34		✓	
4	40									35		✓	
5	30									36		✓	
6	20									37		✓	
7	10									38		✓	
8	0									39		✓	
9												Cell (GWW) Other	
10												✓	
11												✓	
12												✓	

File
0
10
20
30

36-39

VESSEL		PROJECT & LEG				DSD8 I.D.				STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5								UMN52									
CONSC	CASE #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	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)					
8525	105	168	27	15	W	8	JUN	01	14	31							913		
S9E 9+09P. 19507-0533		JD TIME		JD TIME		Tape/Diskette ID		DATA LOCATION		REMARKS									
PRESS SN 6 8 4 6 7		DATA ON		START DOWN		AT DEPTH		AT SURFACE		Cleared air bleed valve									
PRI TEMP SN 2578										MAX. DEPTH = m									
SEC TEMP SN 2708																			
PRI COND SN 638																			
SEC COND SN 2272																			
PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN		TRANS. SN		SAMPLE BOTTLE DATA		SALINITY		SAL.		NUTR.		CHL.		PAM	
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM		Other	
1	93																		
2	70																		
3	50																		
4	30																		
5	20																		
6	10																		
7	0																		
8																			
9																			
10																			
11																			
12																			

0
10
20
30

43-46
4-24

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION										
RV Alpha Helix		H X 2 4 5						4MPS2										
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)	
95055.06	N	16827.07	W	8	JUN	01	14	56									96	
REMARKS Prod 1 of 2																		
DATA LOCATION																		
Tape/Diskette ID File Name/Header																		
SBE 8+ 09P. 19507-0533																		
PRESS SN 6 8 4 6 7 DATA ON																		
PRI TEMP SN 2578 START DOWN																		
SEC TEMP SN 2708 AT DEPTH																		
PRI COND SN 638 AT SURFACE																		
SEC COND SN 2272																		
CTD CONVERTED MONITOR VALUES																		
PAR SN _ 4 4 9 7 FLUOR SN _ 0 2 1 8 2 CHAM SN _																		
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.	CHL.	PAM	Other	
1	30																	
2	30																	
3	30																	
4	0																	
5	0																	
6	0																	
7																		
8																		
9																		
10																		
11																		
12																		

Prod

VESSEL	PROJECT & LEG	DSDBI.D.	STATION DESIGNATION											
RV Alpha Helix	H X 2 4 5		4 MARS 2											
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	CLOUD SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	.	.	(deg)	(m/s)	. . .	(m)	
105254.99 N	16827.43 W	16827.43 W	JUN 01 1987	1507	918	
SBE 9+ CDP 19507-0533	TIMES	JD/TIME	DATA LOCATION											
PRESS SN 68467	DATA ON		Tape/Diskette ID File Name/Header											
PRI TEMP SN 2578	START DOWN													
SEC TEMP SN 2708	AT DEPTH													
PRI COND SN 638	AT SURFACE													
SEC COND SN 2272	PAR SN _ 4 4 9 7	FLUOR SN _ 0 2 1 8 2	CHAM SN											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												
		PRESSURE	PRI TEMP.	SEC TEMP	SALINITY		SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER						
1	30							SAL	NUTR.	CHL	PAM			
2	25													
3	20													
4	15													
5	10													
6	5													
7	0													
8														
9														
10														
11														
12														

VESSEL		PROJECT & LEG				DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 4 5						MT451											
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	WIND TYPE	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)			(m)		
115242	87N	16943	47W	8	JUN	01	19	43									86		
SBE 9+09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		Volcano erupting					
PRESS SN 6 8 4 6 7		DATA ON																	
PRI TEMP SN 2578		START DOWN																	
SEC TEMP SN 2708		AT DEPTH																	
PRI COND SN 638		AT SURFACE																	
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN		TRANS. SN		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	Other						
1	80								11-1	47				all					
2	60									48				all					
3	40									49				all					
4	20									50				all					
5	10									51				all					
6	0									52				all					
7																			
8																			
9																			
10																			
11																			
12																			

PL ~ 1.3
surface
fluvial is
lower
new
depth

sig. i.
sig. i.
sig. i.

all

all

Nuke.

filtered

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				MT 432	
CONSC	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	
CAST #	DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	DRY BULB (°C)	WET BULB (°C)
12	20.00 N	120.00 W	120.00 W	8 JUN 01	01		
SBE 9+09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 8 4 6 7		DATA ON				Tape/Diskette ID File Name/Header	
PRI TEMP SN 2578		START DOWN					
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN	
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
POS.	DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA
1	320						
2	250						
3	150						
4	100						
5	50						
6	25						
7	10						
8	0						
9							
10							
11							
12							

335 by bottom

20

flavor
not
that
high
no
filtering

Cull
County
Other

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				VKN 51							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
135228.0	11N	17041.45W	9 JUN 01	0127								29	
SBE 9+ O/P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		REMARKS					
PRESS SN	6 8 4 6 7	DATA ON		Tape/Diskette ID		File Name/Header							
PRI TEMP SN	2578	START DOWN											
SEC TEMP SN	2708	AT DEPTH											
PRI COND SN	638	AT SURFACE											
SEC COND SN	2272	PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES											
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM	Other
1	276								34.5	6.1	✓		
2	150								13.1	6.2	✓		
3	50									6.3	✓		
4	25									6.4	✓		
5	0									6.5	✓		
6													
7													
8													
9													
10													
11													
12													

SFC

no
net303 net
20upcast
T.S

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125 dup

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wrapped
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VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 4 5				Yung											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
145225.24N	171	8.41W	7	JUN	010528										338		
SBE 9+ C9P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		REMARKS									
PRESS SN 6 8 4 6 7		DATA ON				Tape/Diskette ID		File Name/Header									
PRI TEMP SN 2578		START DOWN															
SEC TEMP SN 2708		AT DEPTH															
PRI COND SN 638		AT SURFACE															
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN											
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.	CHL.	PAM	Other
1	326													66	✓	✓	✓
2	200													67	✓	✓	✓
3	100													68	✓	✓	✓
4	50													69	✓	✓	✓
5	25													70	✓	✓	✓
6	0													71	✓	✓	✓
7																	
8																	
9																	
10																	
11																	
12																	

Cell Count

Tidur

East end Squann	ATION	beans.
	5x01	

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LCL
Leach
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[illegible]

Tide Nward

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION															
RV Alpha Helix		H X 2 4 5				SG 02															
CONSC	CASE #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	WIND TYPE	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
1	1652	14	55	N	172	46	3	W	0	10	22	28							141		
SBE 9+ CDP: 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN 6-8 4 6 7		DATA ON																			
PRI TEMP SN 2578		START DOWN																			
SEC TEMP SN 2708		AT DEPTH																			
PRI COND SN 638		AT SURFACE																			
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN															
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER															
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM		Other	
1	131																				
2	0																				
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

not
not

Tide gauge

not
net

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				36X03	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)
	DEG	MIN	DEG	MIN	DAY	MO	YR
125211.58N	17	52.31	W	10	JUN	01	03
SBE 9+09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 8 4 6 7		DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN 2578		START DOWN					
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1	105						
2	54						
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. SN

SALINITY

17-1

77

SALINITY

SEC. TEMP.

PRI. TEMP.

PRESSURE

TRIP DEPTH

1

2

3

4

5

6

7

8

9

10

11

12

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				W End Bg X 66x04	
CONSC	CASE #	LATITUDE		LONGITUDE		DATE JD=	
		DEG	MIN	DEG	MIN	DAY	MO YR
		18	52	8	39	10	01 04 11
SBE 9+ D9P: 19507-0633		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 8 4 6 7		DATA ON				File Name/Header	
PRI TEMP SN 2578		START DOWN					
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1	81	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAL.	NUTR. CHL. PAM Other
2	Sk					78	
3						79	
4							
5							
6							
7							
8							
9							
10							
11							
12							

low
cl
not
f-05

Count
Fluke
0-50m
84-89
LU
(20-100)
(20-100)

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION										
RV Alpha Helix		H X 2 4 5				56X13										
CONC	CAS #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	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						
		21	52	18	09	20	01	17	41						590	
SBE 9+ C9P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS				
PRESS SN 6 8 4 6 7		DATA ON														
PRI TEMP SN 2578		START DOWN														
SEC TEMP SN 2708		AT DEPTH														
PRI COND SN 638		AT SURFACE														
SEC COND SN 2272																
PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN												
CTD CONVERTED MONITOR VALUES																
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAL.	NUTR.	CHL.	PAM	Other				
1	481							90								
2	275							91								
3	165							92								
4	100							93								
5	50							94								
6	40							95								
7	30							96								
8	20							97								
9	10							(98)								
10	0							99								
11																
12																

NO
chl,
PAM
etc

94-99

15-17

98 filter

pass.

leaked

285

PG ____ OF ____

297

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5				DSDB I.D.		STATION DESIGNATION 50412																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE (deg)		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
225216.72N		17253.54W		10 JUN 01		1838																							
SBE 9+09P. 19607-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN 6 8 4 6 7		DATA ON																											
PRI TEMP SN 2578		START DOWN																											
SEC TEMP SN 2708		AT DEPTH																											
PRI COND SN 638		AT SURFACE																											
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN																							
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY	
1		271		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY	
2		200																											
3		100																											
4		50																											
5		40																											
6		30																											
7		20																											
8		10																											
9		0																											
10																													
11																													
12																													

counts
1000H
only
104-
1108

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION 3641																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		SEA STATE PRESSURE (mb)		WIND DIRN. (deg)		WIND SPD. (m/s)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID			
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C															
2352		. N		. N		W J U N 0 1																					
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS															
PRESS SN 6 8 4 6 7		DATA ON																									
PRI TEMP SN 2576		START DOWN																									
SEC TEMP SN 2708		AT DEPTH																									
PRI COND SN 638		AT SURFACE																									
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHLAM SN																					
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL. NUTR.		CHL.		PAM		Other							
1 160																											
2 100																											
3 50																											
4 40																											
5 30																											
6 20																											
7 10																											
8 0																											
9																											
10																											
11																											
12																											

Fluor
1.22

Count
Net
only
117

Net
Suet

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION SCY10																							
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	
2452		12-16		172.48		11W10		012012																					
SBE 9+09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN 6 8 4 6 7		DATA ON																											
PRI TEMP SN 2578		START DOWN																											
SEC TEMP SN 2708		AT DEPTH																											
PRI COND SN 638		AT SURFACE																											
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN																							
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		NUTR.		CHL.		PAM		Other					
1 163																118		118		✓		✓							
2 100																242		119		✓		✓							
3 50																243		120		✓		✓							
4 40																121		✓		✓		✓							
5 30																122		✓		✓		✓							
6 20																123		✓		✓		✓							
7 10																124		✓		✓		✓							
8 0																125		✓		✓		✓							
9																													
10																													
11																													
12																													

126 set 40m (b4)

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION 36409																							
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE (mb)		SEA STATE (deg)		WIND DIRN. SPD.		WIND TYPE		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
255210.75N		17245.24W		10 JUN 012059																									
SBE 9+ 08P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
PRESS SN 6 8 4 6 7		DATA ON																											
PRI TEMP SN 2578		START DOWN																											
SEC TEMP SN 2708		AT DEPTH																											
PRI COND SN 638		AT SURFACE																											
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN																							
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.		CHL.		PAM		Other					
1 150																127		128		129		130		131		132		133	
2 100																													
3 50																													
4 40																													
5 30																													
6 20																													
7 10																													
8 0																													
9																													
10																													
11																													
12																													

135 fathoms (50m)

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				36Y08							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
2652	8.50 N	172.42.57 W	15 JUN 01	12:42								152	
SBE 9+ C9P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		REMARKS					
PRESS SN 6 8 4 6 7		DATA ON				Tape/Diskette ID		File Name/Header					
PRI TEMP SN 2578		START DOWN											
SEC TEMP SN 2708		AT DEPTH											
PRI COND SN 638		AT SURFACE											
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN		TRANS. SN					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE DATA		SAMPLE BOTTLE DATA					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SAL	NUTR.	CHL.	PAM	Other	
1	143								136	✓		✓	
2	100								137	✓		✓	
3	50								26-3138	✓		✓	
4	40								144	✓		✓	
5	30								139	✓		✓	
6	20								140	✓		✓	
7	10								141	✓		✓	
8	0								142	✓		✓	
9													
10													
11													
12													

Count
Net 30

14464

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				56Y07	
CONSC	LATITUDE	LONGITUDE		DATE JD=		TIME	WET BULB
CAST #	DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(GMT)	(°C)
2752	6.47N	172.40.05W	172.40.05W	01 JUN 01	2233		
SBE 9+ D9P. 19507-0533		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 8 4 6 7		DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN 2578		START DOWN					
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1	12.0	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	
2	50						
3	40						
4	30						
5	20						
6	10						
7	0						
8							
9							
10							
11							
12							

1511 GET 40(3)

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				36Y06	
CONSC	LATITUDE	LONGITUDE		DATE JD=		TIME	WET BULB
CAST #	DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(GMT)	(°C)
2852	41.43N	172.37W	28W	10 JUN 01	12320		
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 8 4 6 7		DATA ON				Tape/Diskette ID	
PRI TEMP SN 2578		START DOWN				File Name/Header	
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN	
POS.		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
TRIP	DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	
1	110						
2	50						
3	40						
4	30						
5	20						
6	10						
7	0						
8							
9							
10							
11							
12							

159 30m helix
b4

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5				DSD8 I.D.		STATION DESIGNATION 36Y05																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		PRESSURE		SEA STATE		WIND DIRN.		WIND SPD.		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		(mb)		• •		(deg)		(m/s)		• •		(m)			
2952		2.18		72.35		11 JUN 01		002														130			
SBE 9+09P. 19507-0533		TIMES		JD/TIME																					
PRESS SN 6 8 4 6 7		DATA ON																							
PRI TEMP SN 2578		START DOWN																							
SEC TEMP SN 2708		AT DEPTH																							
PRI COND SN 638		AT SURFACE																							
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHAM SN																			
POS. TRIP DEPTH																									
1 123																									
2 100																									
3 50																									
4 40																									
5 30																									
6 20																									
7 10																									
8 0																									
9																									
10																									
11																									
12																									

108 5-14 50w b3

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5				DSDB I.D.		STATION DESIGNATION 56 Y04																							
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	
30		. N		. W		JUN 01																									
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		REMARKS																							
PRESS SN 6 8 4 6 7		DATA ON				Tape/Diskette ID		File Name/Header																							
PRI TEMP SN 2578		START DOWN																													
SEC TEMP SN 2708		AT DEPTH																													
PRI COND SN 638		AT SURFACE																													
SEC COND SN 2272		PAR SN _ 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN																									
POS. TRIP DEPTH																															
1 139		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM		Other									
2 190																															
3 50																															
4 40																															
5 30																															
6 20																															
7 10																															
8 0																															
9																															
10																															
11																															
12																															

177 064

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION			
RV Alpha Helix		H X 2 4 5								56Y03			
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	SEA STATE	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG	MIN	HR	MIN	(°C)	(mb)	(deg)	(m/s)		(m)		
3	15	158.54	N	172	08.75	W	1	02	14		230		
SBE 9+ 09P 19507-0533													
TIMES JD/TIME													
PRESS SN 6 8 4 6 7 DATA ON													
PRI TEMP SN 2578 START DOWN													
SEC TEMP SN 2708 AT DEPTH													
PRI COND SN 638 AT SURFACE													
SEC COND SN 2272													
PAR SN 4 4 9 7 FLUOR SN 0 2 1 8 2 CHLOR SN													
CTD CONVERTED MONITOR VALUES													
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM	Other
1	227									178			
2	150									179			
3	100									180			
4	50									181			
5	40									182			
6	30									183			
7	20									184			
8	10									185			
9	0									186			
10													
11													
12													

het

VESSEL						PROJECT & LEG							DSDB I.D.				STATION DESIGNATION											
RV Alpha Helix						H X 2 4 5											56x03											
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																	
325	159	.10	N	72	29	.73	W	11	JUN	01	10	23	9										189					
SSE 9+ O/P.	1507-0533			JD/TIME			TIMES			DATA LOCATION			REMARKS															
PRESS SN	6 8 4 6 7			DATA ON			Tape/Diskette ID			File Name/Header			Prod Site															
PRI TEMP SN	2578			START DOWN																								
SEC TEMP SN	2708			AT DEPTH																								
PRI COND SN	638			AT SURFACE									Cleaned air bleed valve															
SEC COND SN	2272			PAR SN _ 4 4 9 7			FLUOR SN _ 0 2 1 8 2			CHAM SN			MAX. DEPTH = 40 m			TRANS. SN												
POS.	TRIP DEPTH			CTD CONVERTED MONITOR VALUES																SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER				
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY																	SAL.	NUTR.	CHL.	PAM	Other			
1	36																											
2	36																											
3	36																											
4	0																											
5	0																											
6	0																											
7																												
8																												
9																												
10																												
11																												
12																												

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				36402	
CONSC	LATITUDE	LONGITUDE	DATE	TIME	WET BULB	WIND DIRN.	WIND SPD.
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	BULB (°C)	(deg)	(m/s)
235156.62	N 17 22 6.5	W 110 01 03 25	11 JUN 01	03 25			
SBE 9+09P. 19507-0533		JD/TIME		REMARKS			
PRESS SN	DATA ON	Tape/Diskette ID		DATA LOCATION			
6 8 4 6 7				File Name/Header			
PRI TEMP SN	START DOWN						
2578							
SEC TEMP SN	AT DEPTH						
2708							
PRI COND SN	AT SURFACE						
638							
SEC COND SN		FLUOR SN _ 0 2 1 8 2		MAX. DEPTH = 500 m			
2272		PAR SN _ 4 4 9 7		CUM SN			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE NUMBER
1	500						
2	250						
3	120						
4	50						
5	40						
6	30						
7	20						
8	10						
9	0						
10							
11							
12							

19

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				56Y01	
CONSC	LATITUDE	LONGITUDE	DATE JD=	TIME	DRY BULB	WET BULB	SEA STATE
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	BULB (°C)	BULB (°C)	PRESSURE
3451	54.44 N	17223.57 W	11 JUN 01	0441			
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME	DATA LOCATION		
PRESS SN 6 8 4 6 7		DATA ON			Tape/Diskette ID		
PRI TEMP SN 2578		START DOWN			File Name/Header		
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2	CHAM SN		
TRIP DEPTH		CTD CONVERTED MONITOR VALUES					
POS.	DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA
1	500						
2	400						
3	300						
4	250						
5	200						
6	100						
7	50						
8	40						
9	30						
10	20						
11	10						
12	0						

Ret.

Tide 10N

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5				AMX05									
CONSC	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	WIND TYPE	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA NAME/ID
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)				(m)	
355222.07	17N	172.14	17 JUN 01	0533										305	
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME	DATA LOCATION										
PRESS SN 6 8 4 6 7		DATA ON			Tape/Diskette ID File Name/Header										
PRI TEMP SN 2578		START DOWN													
SEC TEMP SN 2708		AT DEPTH													
PRI COND SN 638		AT SURFACE													
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2	CHAM SN		TRANS. SN								
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES													
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM	Other		
1	300								34.5	35.1	208				
2	500									209					
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

209 hit

Tide to N

211 her

VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				AMX04	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)
DEG MIN	DEG	MIN	DEG	MIN	DAY	MO	YR
365223.112	N	172	2	12	21	6	40
SDE 9+ 09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION	
PRESS SN 6 8 4 6 7		DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN 2578		START DOWN					
SEC TEMP SN 2708		AT DEPTH					
PRI COND SN 638		AT SURFACE					
SEC COND SN 2272		PAR SN_ 4 4 9 7		FLUOR SN_ 0 2 1 8 2		CHAM SN	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1	406						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Tide to N

DSD8 I.D.

PROJECT & LEG

H X 2 4 5

STATION DESIGNATION

AMX04

VESSEL

RV Alpha Helix

CONSC

CAST #

LATITUDE

LONGITUDE

DATE JD=

TIME

(GMT)

Tape/Diskette ID

File Name/Header

PRESS SN

START DOWN

SEC TEMP SN

AT DEPTH

PRI COND SN

AT SURFACE

SEC COND SN

PAR SN_

FLUOR SN_

CHAM SN

CTD CONVERTED MONITOR VALUES

PRESSURE

PRI. TEMP.

SEC. TEMP.

SALINITY

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

1

2

3

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12

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215

VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION								
RV Alpha Helix		H X 2 4 5				AMX02								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
385224.56	22° 41' 56" N	171° 37' 16" W	12 JUN 01	0845									477	
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME	DATA LOCATION									
PRESS SN 68467		DATA ON			Tape/Diskette ID									
PRI TEMP SN 2578		START DOWN												
SEC TEMP SN 2708		AT DEPTH												
PRI COND SN 638		AT SURFACE												
SEC COND SN 2272														
POS.	TRIP DEPTH	PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
1	454	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAL.	NUTR.	CHL.	PAM	Other	
2	560									214				
3										215				
4														
5														
6														
7														
8														
9														
10														
11														
12														

VESSEL		PROJECT & LEG		DSOB ID.		STATION DESIGNATION	
RV Alpha Helix		H X 2 4 5				AMX01	
CONSC	LATITUDE	LONGITUDE		DATE JD=		TIME	WET
CAS #	DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(GMT)	BULB
395225.47	47 N 121 25.12 W	12	01	10	09	52	(°C)
SBE 9+ ODP	19507-0533	TIMES		JD/TIME		DATA LOCATION	
PRESS SN	6 8 4 6 7	DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN	2578	START DOWN					
SEC TEMP SN	2708	AT DEPTH					
PRI COND SN	638	AT SURFACE					
SEC COND SN	2272	PAR SN_ 4 4 9 7		FLUOR SN_ 0 2 1 8 2		CHAM SN	
POS.	TRIP	CTD CONVERTED MONITOR VALUES					
DEPTH		PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Couldnt get to bottom, had 480m wire out. Strong current wind.

REMARKS Start 380 end 325

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. SN

VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION																					
RV Alpha Helix		H X 2 4 5				AMY14																					
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE VISIBILITY		WIND DIRN.		WIND SPD.		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(deg)	(m/s)	(m)											
405237	09	N	171	50	24	JUN	01	15	17																		
SBE 9+ D9P. 19507-0533		TIMES		JD/TIME		DATA LOCATION																		REMARKS			
PRESS SN 6 8 4 6 7		DATA ON				Tape/Distette ID File Name/Header																					
PRI TEMP SN 2678		START DOWN																									
SEC TEMP SN 2708		AT DEPTH																									
PRI COND SN 638		AT SURFACE																						<input type="checkbox"/> Cleaned air bleed valve MAX. DEPTH = 500 m			
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN _		TRANS. SN _																			
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER													
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY							SALINITY		SAL.	NUTR.	CHL.	PAM	Other									
1	500													42-1	216	✓	✓	✓	✓								
2	250														217	✓	✓	✓	✓								
3	100														218	✓	✓	✓	✓								
4	50														219	✓	✓	✓	✓								
5	40														220	✓	✓	✓	✓								
6	30														221	✓	✓	✓	✓								
7	20														222	✓	✓	✓	✓								
8	10														223	✓	✓	✓	✓								
9	0														224	✓	✓	✓	✓								
10																											
11																											
12																											

3 507