

Depth below keel
Add 2 m

Centi-GALL

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
RV Alpha Helix		HX 245				KREB2													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (BT)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)			(deg)	(m/s)		(m)	
1	75																	78	
2	60																		
3	50																		
4	40																		
5	30																		
6	20																		
7	10																		
8	0																		
9																			
10																			
11																			
12																			

TIMES		JD/TIME		DATA LOCATION	
SBP	SBT	DATA ON	START DOWN	AT DEPTH	AT SURFACE
68467	2578				
2708	638				
2272					

CTD CONVERTED MONITOR VALUES		FLUOR SN		CHIAM SN	
PAR SN	FLUOR SN	CHIAM SN	FLUOR SN	CHIAM SN	FLUOR SN
497	02182				

POS.	TRIP DEPTH	SAMPLE BOTTLE DATA				SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY								
1	75								1				Cell Count
2	60								2				
3	50								3				
4	40								4				
5	30								5				
6	20								6				
7	10								7				
8	0								8				
9													
10													
11													
12													

5-8 Altered

VESSEL RV Alpha Heifx		PROJECT & LEG H X 2 4 5			DSD8 I.D.		STATION DESIGNINATION 20653																						
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 TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
45258		16510.20W		16510.20W		7 JUN 01		1654		.		.		.		.		.		.		.		94					
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		<input checked="" type="checkbox"/> PAR SN _ 4 9 7		<input checked="" type="checkbox"/> FLUOR SN _ 0 2 1 8 2		<input type="checkbox"/> CHAM SN																							
POS. TRIP DEPTH																													
1 90																													
2 70																													
3 50																													
4 30																													
5 00																													
6 10																													
7 0																													
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	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
55329	194 N	16630.12 W	8 JUN 01	1030								96				
SBE 9+09P	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	CHAM SN		TRANS. SN								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES														
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA					SAL.	NUTR.	CHL.	PAM	Other
1	91												16			Cell count
2	70												17			
3	50												18			
4	40												19			
5	30												20			
6	20												21			
7	10												22			
8	0												23			
9																
10																
11																
12																

FLX
0
10
20
30
(20-23)

REMARKS
Seiches! Fluoce high

Cleaned air bleed valve

MAX. DEPTH = m

01159a12

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
RV Alpha Helix		H X 2 4 5								UNAS3								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	DRY 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)
65320	02	N	166	44	09	W	8	JUN	01	20	15						92	
SBE 9+ C/P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		REMARKS										
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						SAMPLE BOTTLE DATA										
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other						
1	82											245	24	✓	✓	✓		
2	70											245	25	✓	✓	✓		
3	50												26	✓	✓	✓		
4	40												27	✓	✓	✓		
5	30												28	✓	✓	✓		
6	20												29	✓	✓	✓		
7	10												30	✓	✓	✓		
8	0												31	✓	✓	✓		
9																		
10																		
11																		
12																		

10
 20
 30
 ✓

28-31
 jet

File
0
10
20
30
36-39

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		H X 2 4 5				UMN 51												
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
0075259	52	N	168	11	23	W08	JUN	01	12	04						96	UMN51	
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		25 m miko green										
PRI TEMP SN 2578		START DOWN																
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 9 7		FLUOR SN _ 0 2 1 8 2		CHIAM SN		TRANS. SN										
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		Cell (LOW) Other		
1	96											SAL		NUTR.	CHL	PAM	✓	
2	70													32	✓	✓	✓	✓
3	50													33	✓	✓	✓	✓
4	40													34	✓	✓	✓	✓
5	30													35	✓	✓	✓	✓
6	20													36	✓	✓	✓	✓
7	10													37	✓	✓	✓	✓
8	0													38	✓	✓	✓	✓
9														39	✓	✓	✓	✓
10																		
11																		
12																		

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)		WET BULB (°C)	DRY BULB (°C)	SEA STATE	WIND DIRN. SPD. (m/s)	WIND TYPE CLD (amt)	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN	PRESSURE (mb)	WIND DIRN. SPD. (deg)	WIND TYPE CLD (amt)
95255.06	N	168	27.07	W	8	JUN	01	14	56					9.6				
SBE 8+ 09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		Prod 1 of 2				
PRESS SN 68467		DATA ON																
PRI TEMP SN 2578		START DOWN																
SEC TEMP SN 2706		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 = 30 m				
POS.	TRIP	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.	CHL.	PAM	Other	
	DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER												
1	30																	
2	30																	
3	30																	
4	0																	
5	0																	
6	0																	
7																		
8																		
9																		
10																		
11																		
12																		

Prod

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				4 MMSR							
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
105254-99N	16827.43W	18JUN01	1507									9.6	
SBE 9+09P. 19507-0533	TIMES	JD/TIME	DATA LOCATION										
PRESS SN 68467	DATA ON		File Name/Header										
PRI TEMP SN 2578	START DOWN		Tape/Diskette ID										
SEC TEMP SN 2708	AT DEPTH												
PRI COND SN 638	AT SURFACE												
SEC COND SN 2272	PAR SN 4497	FLUOR SN 02182	CHAM SN										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES											
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHIL.	PAM	Other
1	30												M/S
2	25												
3	20												
4	15												
5	10												
6	5												
7	0												
8													
9													
10													
11													
12													

REMARKS
M/S

Cleaned air bleed valve

MAX. DEPTH = 30 m

TRANS. SN

CHAM SN

FLUOR SN 02182

PAR SN 4497

M/S

Other

✓

✓

✓

✓

✓

✓

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5				DSDB I.D.				STATION DESIGNATION MT 432																			
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		WIND DIRN. SPD. (m/s)		CLOUD (amt)		WIND TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
12		. . . . .		. . . . .		W 8 JUN 01																				335			
SBE 9+09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		335 by bottom															
PRESS SN 68467		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 9 7		FLUOR SN_ 0 2 1 8 2		CHAM SN																							
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.		CHL.		PAM		Ctd county Other							
1 320																						53		✓		✓		✓	
2 250																						54		✓		✓		✓	
3 150																						56		✓		✓		✓	
4 100																						57		✓		✓		✓	
5 50																						58		✓		✓		✓	
6 25																						59		✓		✓		✓	
7 10																						60		✓		✓		✓	
8 0																						X		✓		✓		✓	
9																						not done		✓		✓		✓	
10																													
11																													
12																													

flavor
not
that
high
no
relief

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		HX 245				UN51												
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
135228.0	11N	17041.45	5W	9	JUN	01	01	27									29	
SBE 9+ O/P. 19507-0533		TIMES		JD/TIME		DATA LOCATION												
PRESS SN 68467		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		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	276						61	62	✓			61	62					
2	150																	
3	50																	
4	25																	
5	0																	
6																		
7																		
8																		
9																		
10																		
11																		
12																		

SFC
 no
 flat
 30 } flat
 20 } flat
 4000
 T.S
 bad
 125 dup
 (T0)
 wrapped
 w/ ?

Tide No. 100

not
F-01

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION					
RV Alpha Helix		H X 2 4 5				SG 102					
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	WIND DIR. (deg)	WIND SPD. (m/s)	WIND WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1652	14.55N	172.46.3	10 JUN 01	0228						141	
SBE 9+ CDP. 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				Cleared air bleed valve						
PRI COND SN 638	AT SURFACE				MAX. DEPTH = m						
SEC COND SN 2272			<input checked="" type="checkbox"/> PAR SN _ 4 4 9 7	<input checked="" type="checkbox"/> FLUOR SN _ 0 2 1 8 2	<input type="checkbox"/> CHAM SN	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	131				74						
2	0				75						
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5			DSDDB I.D.		STATION DESIGNATION W End Bg X 66x04				
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	
DEG	MIN	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)
18	52	8	39	172	57	98	W	10	JUN	01	04
SBE 9+ DSP. 19507-0633		TIMES		JD/TIME		DATA ON		START DOWN		AT DEPTH	
PRESS SN 6 8 4 6 7		DATA ON		Tape/Diskette ID		File Name/Header		WIND DIRN.		WIND SPD.	
PRI TEMP SN 2578		START DOWN		AT DEPTH		AT SURFACE		PRESSURE		SEA STATE	
SEC TEMP SN 2708		AT DEPTH		AT SURFACE		AT SURFACE		WIND DIRN.		WIND SPD.	
PRI COND SN 638		AT SURFACE		AT SURFACE		AT SURFACE		WIND DIRN.		WIND SPD.	
SEC COND SN 2272		AT SURFACE		AT SURFACE		AT SURFACE		WIND DIRN.		WIND SPD.	
PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN		CLEANED AIR BLEED VALVE		MAX. DEPTH =		m	
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		NUTR. CHL. PAM Other	
1	81										
2	Sk										
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

low fl not fixed

North end S6Y

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION 56Y14	
LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR
19	52	112	59	32	W	10	JUN 01 16 20
CONSC CAST #		WET BULB		DRY BULB		WIND DIRN.	
1195221.12		°C		°C		(m/s)	
SBE 9+ O9P. 19507-0533		PRESSURE		SEA STATE		WIND SPD.	
		(mb)		.		(m/s)	
PRESS SN 68467		Tape/Diskette ID		DATA LOCATION		REMARKS	
PRI TEMP SN 2578		File Name/Header					
SEC TEMP SN 2708							
PRI COND SN 638							
SEC COND SN 2272							
PAR SN 4497		FLUOR SN 02182		CHAM SN		MAX. DEPTH = 500 m	
CTD CONVERTED MONITOR VALUES		SALINITY		SALINITY		CLEANED AIR BLEED VALVE	
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	TRANS. SN
1	491						
2	250						
3	150						
4	100						
5	50						
6	40						
7	30						
8	20						
9	10						
10	0						
11							
12							

Count
Reker
0-50m
84-89
FLU
(by
19507-0533)

NO chl, PAM etc
94-99 filter
98 filter passb. leaked

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION														
RV Alpha Helix		HX 245				56213														
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
215218	09	22	172	56	10	01	17	41									590			
SBE 9+ C/P. 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									
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		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																				

Cleaned air bleed valve

MAX. DEPTH = 500 m

TRANS. SN

SAMPLE BOTTLE NUMBER

SAMPLE BOTTLE DATA

CTD CONVERTED MONITOR VALUES

285

297

counts
1000H
only
1-5
104-
1108

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)		SEA STATE		PRESSURE		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID		
DEG	MIN	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	(mb)	(deg)	(m/s)	(amt)			(deg)	(m/s)			(m)							
22	52	16	72	N	172	53	54	W	10	JUN	01	18	38																	
SBE 9+ 09P. 19607-0533		TIMES		JD/TIME		DATE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.		WIND SPD.		CLOUD		WEATHER		BOTTOM DEPTH		STA. NAME/ID		
PRESS SN 6 8 4 6 7		DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		
PRI TEMP SN 2578		START DOWN		AT DEPTH		AT SURFACE		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		
SEC TEMP SN 2708		START DOWN		AT DEPTH		AT SURFACE		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		
PRI COND SN 638		START DOWN		AT DEPTH		AT SURFACE		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		
SEC COND SN 2272		START DOWN		AT SURFACE		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		
TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		
1	271																													
2	200																													
3	100																													
4	50																													
5	40																													
6	30																													
7	20																													
8	10																													
9	0																													
10																														
11																														
12																														

SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	Other
28-1100				
101				
102				
103				
104				
105				
106				
107				
108				

167

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION 36YU	
CONSC CAST #		LONGITUDE		DATE JD=		WIND DIRN. SPD.	
DEG MIN		DEG MIN		DAY MO YR		WIND DIRN. SPD. (m/s)	
2 3 5 2 . . . N		. . . . .		W 2 J U N 0 1		WEATHER	
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 2576		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 9 7		FLUOR SN _ 0 2 1 8 2		MAX. DEPTH = m	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
		PRESSURE		SALINITY		SAL. NUTR. CHL. PAM Other	
1 160						109 ✓	
2 100						110 ✓	
3 50						111 ✓	
4 40						112 ✓	
5 30						113 ✓	
6 20						114 ✓	
7 10						115 ✓	
8 0						116 ✓	
9						117	
10							
11							
12							

Fluor
1.22

Cell count
Fluor only
117

Fluor

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5			DSDB I.D.		STATION DESIGNATION SOYLO									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
2452	12-6	172-48	10 JUN 01	2012									174			
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		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		
1	163	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAL.	NUTR.	CHL.	PAM	Other			
2	100								118							
3	50								119							
4	40								120							
5	30								121							
6	20								122							
7	10								123							
8	0								124							
9									125							
10																
11																
12																

126 set 40m (b4)

VESSEL R/V Alpha Helix		PROJECT & LEG H X 2 4 5			DSOB I.D.			STATION DESIGNATION 36209							
LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		WIND DIRN. SPD.		STATION NAME/ID			
DEG MIN		DEG MIN		DAY MO YR		HR MIN		BULB (°C)		(m/s)		BOTTOM DEPTH (m)			
25 52 10.75 N		172 45.26 W		10 JUN 01		12 05 59		.		.		157			
SBE 9+ D9P. 19507-0533				JD/TIME				REMARKS							
PRESS SN 6 8 4 6 7				DATA ON				Tape/Diskette ID File Name/Header							
PRI TEMP SN 2578				START DOWN				Cleansed 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							
POS. TRIP DEPTH				CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA							
1 150				PRESSURE				PRI. TEMP.				SEC. TEMP.			
2 100				PRESSURE				PRI. TEMP.				SEC. TEMP.			
3 50				PRESSURE				PRI. TEMP.				SEC. TEMP.			
4 40				PRESSURE				PRI. TEMP.				SEC. TEMP.			
5 30				PRESSURE				PRI. TEMP.				SEC. TEMP.			
6 20				PRESSURE				PRI. TEMP.				SEC. TEMP.			
7 10				PRESSURE				PRI. TEMP.				SEC. TEMP.			
8 0				PRESSURE				PRI. TEMP.				SEC. TEMP.			
9				PRESSURE				PRI. TEMP.				SEC. TEMP.			
10				PRESSURE				PRI. TEMP.				SEC. TEMP.			
11				PRESSURE				PRI. TEMP.				SEC. TEMP.			
12				PRESSURE				PRI. TEMP.				SEC. TEMP.			
				SAL.				NUTR.				CHL. PAM Other			
				127				129				130			
				128				131				132			
				129				133				134			
				130				134				100			
				131				133							
				132				133							
				133				134							
				134											

135 from 3 (50m)
137 (cont)

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION 56Y08	
CONSC CAST #		LONGITUDE		DATE JD=		TIME (GMT)	
2652		17242.57		12/12/92		12/12/92	
LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	
8.50		17242.57		12/12/92		12/12/92	
DEG MIN		DEG MIN		DAY MO YR		HR MIN	
8 50		17 24 25		12 12 92		12 12	
SBF 9+09P. 19507-0533		JD/TIME		DATA LOCATION		REMARKS	
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		CHAM SN	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1 143		PRESSURE		SALINITY		SAL	
2 100		PRI. TEMP.		SALINITY		136	
3 50		SEC. TEMP.		SALINITY		137	
4 40				SALINITY		26-3138	
5 30				SALINITY		144	
6 20				SALINITY		139	
7 10				SALINITY		140	
8 0				SALINITY		141	
9				SALINITY		142	
10				SALINITY			
11				SALINITY			
12				SALINITY			

count
net 30

144-44

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. SN

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
RV Alpha Helix		HX 245				56Y07													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	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
2752	6.47	N	172.40	05	W	10	01	2233									128		
SBE 9+ DFP. 19507-0533																			
PRESS SN 68467																			
PRI TEMP SN 2578																			
SEC TEMP SN 2708																			
PRI COND SN 638																			
SEC COND SN 2272																			
<input checked="" type="checkbox"/> PAR SN _ 4 4 9 7 <input checked="" type="checkbox"/> FLUOR SN _ 0 2 1 8 2 <input type="checkbox"/> CHAM SN _____ CTD CONVERTED MONITOR VALUES																			
POS.	TRIP DEPTH	DATA LOCATION												SAMPLE BOTTLE DATA					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY
1	120																		
2	50																		
3	40																		
4	30																		
5	20																		
6	10																		
7	0																		
8																			
9																			
10																			
11																			
12																			

1511 FEB 40(3)

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION										
RV Alpha Helix		H X 2 4 5								36706										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (8m)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR											MIN	
28	52	4.43	N	172	37	28	W	10	JUN	01	23	20					120			
SBE 9+ 09P. 19507-0533																				
PRESS SN		6 8 4 6 7		DATA ON		Tape/Diskette ID		File Name/Header		REMARKS										
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 NUMBER						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												SAMPLE BOTTLE DATA						
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other		
1	110																			
2	50																			
3	40																			
4	30																			
5	20																			
6	10																			
7	0																			
8																				
9																				
10																				
11																				
12																				

159 30m hgt
b4

VESSEL		PROJECT & LEG				DSD8 I.D.				STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5								36 Y 05									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
2952	2.18	N	72.35	07	11	JUN	01	00										130	
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										Cleared air bleed valve							
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN						MAX. DEPTH = m							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA							
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other						
1	123												160	✓					
2	100													161	✓				
3	50													162	✓				
4	40													163	✓				
5	30													164	✓				
6	20													165	✓				
7	10													166	✓				
8	0													167	✓				
9																			
10																			
11																			
12																			

108 5-14 50w b3

out count

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION 56Y04	
CONSC CAST #		LONGITUDE		DATE JD=		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN	
30 . N		. .		W JUN 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 9 7		FLUOR SN _ 0 2 1 8 2		CHIAM SN	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1 139		PRESSURE		SALINITY		SAL. NUTR. CHL. PAM Other	
2 190		PRI. TEMP.		SALINITY		169 ✓ ✓ ✓ ✓ ✓ ✓	
3 50		SEC. TEMP.		SALINITY		170 ✓ ✓ ✓ ✓ ✓ ✓	
4 40		SEC. TEMP.		SALINITY		171 ✓ ✓ ✓ ✓ ✓ ✓	
5 30		SEC. TEMP.		SALINITY		172 ✓ ✓ ✓ ✓ ✓ ✓	
6 20		SEC. TEMP.		SALINITY		173 ✓ ✓ ✓ ✓ ✓ ✓	
7 10		SEC. TEMP.		SALINITY		174 ✓ ✓ ✓ ✓ ✓ ✓	
8 0		SEC. TEMP.		SALINITY		175 ✓ ✓ ✓ ✓ ✓ ✓	
9		SEC. TEMP.		SALINITY		176 ✓ ✓ ✓ ✓ ✓ ✓	
10		SEC. TEMP.		SALINITY			
11		SEC. TEMP.		SALINITY			
12		SEC. TEMP.		SALINITY			

177 0 6-01

Ret

VESSEL RV Alpha Helix		PROJECT & LEG HX 2 4 5				DSDB I.D.				STATION DESIGNATION 36Y02								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m/s)	(amt)	(m)	
3351	56.62	N	172	16.56	W	11	JUN	01	08	25							546	
SBE 9+09P. 19607-0533																		
PRESS SN 6 8 4 6 7																		
PRI TEMP SN 2578																		
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																		
CHIAM SN																		
TRANS. SN																		
MAX. DEPTH = 500 m																		
Cleansed air bleed valve <input type="checkbox"/>																		
REMARKS																		
DATA LOCATION																		
Tape/Diskette ID File Name/Header																		
CTD CONVERTED MONITOR VALUES																		
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAL.	NUTR.	CHL	PAM	Other						
1	500							187		✓								
2	250							188		✓								
3	120							189		✓								
4	50							190		✓								
5	40							191		✓								
6	30							192		✓								
7	20							193		✓								
8	10							194		✓								
9	0							195		✓								
10																		
11																		
12																		

199

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
RV Alpha Helix		HX 245				56Y01													
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)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO														YR	HR	MIN
3451	54.44	N	172	23.57	W	JUN	01	04	41									1237	
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		REMARKS											
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						Cleared air bleed valve											
SEC COND SN 2272		PAR SN_4497		FLUOR SN_02182		CHIAM SN		MAX. DEPTH = 500 m											
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other		
1	500																	196	
2	460																	197	
3	200																	198	
4	250																	199	
5	200																	200	
6	100																	201	
7	50																	202	
8	40																	203	
9	30																	204	
10	20																	205	
11	10																	206	
12	0																	207	

Ret.

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5			DSOB ID.		STATION DESIGNATION AMX01							
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB TEMP (°C)	WET BULB TEMP (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN SPD (deg)	WIND SPD (m/s)	CLOUD TYPE (%)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
3952	25.47	171.25	12 JUN 01	10952										
SBE 9+ O9P. 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		TRANS. SN						
POS.	TRIP	CTD CONVERTED MONITOR VALUES												
DEPTH		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAL.	NUTR.	CHL.	PAM	Other		
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

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	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)	(deg)	(deg)	(m/s)	(m)	(m)	(m)			
405237	09	N	171	50	24	W	12	JUN	01	15	17						790			
SBE 9+ D9P. 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		N. End Amy						
PRESS SN 6 8 4 6 7		DATA ON																		
PRI TEMP SN 2678		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		SAL.		NUTR.	CHL.	PAM	Other	
1	500														40-1	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 F07

290

VESSEL		PROJECT & LEG			DSDB I.D.			STATION DESIGNATION											
RV Alpha Helix		H X 2 4 5						AMY13											
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			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN										
425	23	4.45	N	171	49	78	W	12	JUN	01	16	24			692				
SBE 9+ C/P: 19507-0533		TIMES		JD/TIME		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				Cleansed air bleed valve													
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN		MAX. DEPTH = 500 m											
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SALINITY		SALINITY		SAL	NUTR.	CHL	PAM	Other	
1	475														225	✓			✓
2	250														226	✓			✓
3	100														227	✓			✓
4	50														228	✓			✓
5	40														229	✓			✓
6	30														230	✓			✓
7	20														231	✓			✓
8	10														232	✓			✓
9	0														233	✓			✓
10																			
11																			
12																			

234 40m (5) cut

big patch chlor. in way up (not down)

VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				AMY 12							
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
425232	2.06N	171.49.0W	12 JUN 01	1716								645	
SBE 9+09P	19507-0533	TIMES	JD/TIME	REMARKS									
PRESS SN	6 8 4 6 7	DATA ON		Tape/Diskette ID File Name/Header									
PRI TEMP SN	2576	START DOWN											
SEC TEMP SN	2708	AT DEPTH											
PRI COND SN	638	AT SURFACE		Cleared air bleed valve									
SEC COND SN	2272	PAR SN_ 4 4 9 7	FLUOR SN_ 0 2 1 8 2	CHAM SN	MAX. DEPTH = 500 m								
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES											
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SAL.	NUTR.	CHL.	PAM	TRANS. SN	
1	500							43-1	235	✓			235
2	250								236	✓			236
3	100								237	✓			237
4	50								238	✓			238
5	40								235	✓			235
6	30								240	✓			240
7	20								241	✓			241
8	10								242	✓			242
9	0								243	✓			243
10													
11													
12													

hot

20110602

VESSEL		PROJECT & LEG			DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		H X 2 4 5					A11110												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (m)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)		(deg)	(m/s)	(m)				
455226	26	63	N	171	47	64	W	19	21							542			
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		SALINITY		SALINITY		SAL.	NUTR.	CHL.	PAM	Cell Count	Other
1	500													451	253	✓			✓
2	250														254	✓			✓
3	100														255	✓			✓
4	50														256	✓			✓
5	40														257	✓			✓
6	30														258	✓			✓
7	20														259	✓			✓
8	10														260	✓			✓
9	0														261	✓			✓
10																			
11																			
12																			

262 Net 30m (6)

VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 4 5				AMY 09											
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 (m)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO												YR	HR	MIN
415227	11	5N	171	46.78	W	3	JUN	01	20	19						294	
SDE 9+ 09P. 19507-0633		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						Cleaned air bleed valve									
SEC COND SN 2272		PAR SN _ 4 9 7		FLUOR SN _ 0 2 1 8 2		CHAM SN		MAX. DEPTH = m									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL	NUTR.	CHL.	PAM	Other
1	266													263	✓	✓	✓
2	110													264	✓	✓	✓
3	50													265	✓	✓	✓
4	40													266	✓	✓	✓
5	30													267	✓	✓	✓
6	20													268	✓	✓	✓
7	10													269	✓	✓	✓
8	0													270	✓	✓	✓
9																	
10																	
11																	
12																	

3 fact
 3 fact
 3 fact

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
RV Alpha Helix		H X 2 4 5				AMY08											
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
47522	11	24	N	171	46	2	12	15								255	
SBE 9+ OBP. 19507-0533		TIMES		JD/TIME		DATA LOCATION		REMARKS									
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						Cleared air bleed valve									
SEC COND SN 2272		PAR SN 4497		FLUOR SN 02182		CHAM SN		MAX. DEPTH = m									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA						SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTR.	CHL	PAM	Other					
1	245							47	271								
2	100																
3	50																
4	40																
5	30																
6	20																
7	10																
8	0																
9																	
10																	
11																	
12																	

3 net

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		H X 2 4 5				AMY 07												
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
485	218.54	N	171.45	59	W	12	JUN	01	22	07							312	
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		CHIAM SN												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL	NUTR.	CHL.	PAM	Other	
1	294																	
2	100																	
3	50																	
4	40																	
5	30																	
6	20																	
7	10																	
8	0																	
9																		
10																		
11																		
12																		

ret
ret

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION										
RV Alpha Helix		HX 245				AMY05										
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	WIND DIRN. (deg)	WIND SPD. (m/s)	SEA STATE	VISIBILITY	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
505213.11N	17144.44W	17144.44W	2 JUN 01	2349										407		
SBE 9+ 09P. 18507-0533	TIMES	JD/TIME	DATA LOCATION		REMARKS											
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		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER										
1	701	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM						
2	200						296	297	298	299	300	300	300	300	300	Other
3	100															
4	40															
5	20															
6	0															
7																
8																
9																
10																
11																
12																

3 Helix

No trip

check copy

488

3
Hence

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
RV Alpha Helix		H X 2 4 5				AMV104													
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
57152	10.50	N	171	44.05	W	13	JUN	01	00	48							487		
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	CTD CONVERTED MONITOR VALUES												SAMPLE BOTTLE DATA					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	477													517	301	✓	✓	✓	Cell 20
2	200														302	✓	✓	✓	
3	100														303	✓	✓	✓	
4	50														304	✓	✓	✓	
5	30														305	✓	✓	✓	
6	20														306	✓	✓	✓	
7	10														307	✓	✓	✓	
8	0														308	✓	✓	✓	
9																			
10																			
11																			
12																			

Cleaned air bleed valve

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
RV Alpha Helix		H X 2 4 5								FMY03								
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	
5352	7.85	17143.03	W	13	JUN	01	D	153								628		
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												Cleaned air bleed valve			
SEC COND SN	2272		PAR SN		4 4 9 7		FLUOR SN		0 2 1 8 2		CHIAM SN		TRANS. SN		MAX. DEPTH = m			
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SALINITY		SAL.		NUTR.	CHL.	PAM	Other	
1	500													309	✓			
2	200													310	✓			
3	100													311	✓			
4	40													312	✓			
5	20													313	✓			
6	0													314	✓			
7																		
8																		
9																		
10																		
11																		
12																		

3 filter

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSOB I.D.		STATION DESIGNATION AIM Y01	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=	
5552		2.64N 171.42W		171.42		12 JUN 01 03 42	
SBE 9+ 09P. 19507-0533		TIMES		JD/TIME		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	
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAL.	NUTR. CHL. PAM Other
1	471					321	
2	375					322	
3	100					323	
4	40					324	
5	20					325	
6	0					326	
7							
8							
9							
10							
11							
12							

3 net!

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5				YUNNA									
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 (ami)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
5105238.33	171 9.98	171 9.98	13 JUN 01	0811									547		
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		Tape/Diskette ID												
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														
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	PAM	Other			
1 433									327			Cell			
2 206									328			Cont			
3 100									501			✓			
4 50									330			✓			
5 25									331						
6 0									332			✓			
7															
8															
9															
10															
11															
12															

245

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION YUKA 2																									
CONSC CAST #		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		WIND DIRN.		WIND SPD.		SEA STATE		PRESSURE		VISIBILITY		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID					
575240.31 N		17052.49 W		13 JUN 01		1246		.		.		.		.		.		.		.		296		.		.					
SBE 9+ 09P 19507-0533		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS		Cleared air bleed valve		MAX. DEPTH = 217 m		TRANS. SN		SAMPLE BOTTLE NUMBER		SAL.		NUTR.		CHL.		PAM		Other	
PRESS SN 68467		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		SAMPLE BOTTLE DATA		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY	
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES		CTD CONVERTED MONITOR VALUES	
1 217		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
2 80		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
3 50		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
4 25		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
5 25		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
6 0		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
7		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
8		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
9		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
10		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
11		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.
12		.		.		.		.		.		.		.		.		.		.		.		.		.		.		.

3 set

traces happy

70
10/20

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																	
RV Alpha Helix		H X 2 4 5				MT 4 N 1																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO													YR	HR	MIN		
59	52	58.89	N	129	54	90	W	13	JUN	01	16	30					125						
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		CHIAM SN																	
POS. TRIP DEPTH				CTD CONVERTED MONITOR VALUES																			
1	110	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.		CHL.		PAM		Other	
2	50													344		345							
3	25													346		347							
4	50																						
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

348 feet

31 32

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	WIND DIRN.	WIND SPD.	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(°C)	(°C)	(deg)	(m/s)	(deg)	(m/s)		(m)			
6053	17.2	N	162	43.5	W	4	JUN	01	11						185				
SBE 9+ 09P 19507-0533		TIMES		JD/TIME		DATA ON		Tape/Diskette ID		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		SAMPLE BOTTLE DATA		SAL.		NUTR.	CHL.	PAM	Other
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SALINITY		SALINITY		SAL.		NUTR.	CHL.	PAM	Other
1	170															349	✓		
2	100															350	✓		
3	50															350	✓		
4	25															352	✓		
5	50															353	✓		
6																			
7																			
8																			
9																			
10																			
11																			
12																			

alt

ap 20 - ap 31, h x 202
d extend 31 -> deeper

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																	
RV Alpha Helix		H X 2 4 5				LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		WIND DIRN.		WIND SPD.		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
CONSC CAST #		LATITUDE		DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)		SEA STATE		VISIBILITY		CLOUD (amt)		TYPE			
615324.98		16830.96		N 14		JUN 01		0337												85			
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 80																							
2 70																							
3 75																							
4 0																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

70

200
Green

Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

SAL.	NUTR.	CHL.	PAM	Other
61	354	✓		
	355	✓		
	356	✓		
	357	✓		

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION														
RV Alpha Helix		H X 2 4 5				UNAN 3														
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
6354	3	21	N	166	53	32	W	14	JUN	01	12	54					672			
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				Cleaned air bleed valve													
PRI COND SN	638		AT SURFACE				MAX. DEPTH = 475 m													
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						
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other								
1	475																365	✓		
2	250																	366	✓	
3	100																	367	✓	
4	60																	368	✓	
5	40																	369	✓	
6	20																	370	✓	
7	10																	371	✓	
8	0																	372	✓	
9																				
10																				
11																				
12																				

Fuller

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5			DSDB I.D.			STATION DESIGNATION AK Y18										
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	DRY 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)		
6454	8	01N	166	26.02	W	JUN	01	19	42						761			
SBE 9+ 08P. 19507-0533																		
TIMES JD/TIME																		
DATA ON																		
Tape/Diskette ID																		
DATA LOCATION																		
File Name/Header																		
START DOWN																		
AT DEPTH																		
AT SURFACE																		
Cleaned air bleed valve <input type="checkbox"/>																		
MAX. DEPTH = m																		
TRAN. SN																		
SAMPLE BOTTLE NUMBER																		
CTD CONVERTED MONITOR VALUES																		
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAL.	NUTR.	CHL.	PAM	Other						
1	492								373	✓								
2	250								374	✓								
3	80								375	✓								
4	50								376	✓								
5	25								377	✓								
6	0								378	✓								
7																		
8																		
9																		
10																		
11																		
12																		

REMARKS N End Akutan

2.7
7
Helix

66 N15

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION Argy	
CONSC # 54 8 03		LONGITUDE 166 26 17		DATE JD= 14 JUN 01		TIME (GMT) 20 20	
LATITUDE 8 04 N		DEG MIN 166 26 17		DAY MO YR 14 JUN 01		WET BULB (°C)	
DEG MIN 54 8 03		DEG MIN 166 26 17		WIND DIRN. (deg)		WIND SPD. (m/s)	
SBE 9+ 09P. 19507-0533		TIMES JD/TIME		DATA LOCATION File Name/Header		REMARKS ? Rod	
PRESS SN 6 8 4 6 7		DATA ON		Tape/Diskette ID		CLEANED AIR BLEED VALVE	
PRI TEMP SN 2578		START DOWN				MAX. DEPTH = m	
SEC TEMP SN 2708		AT DEPTH				TRANS. SN	
PRI COND SN 638		AT SURFACE				SAMPLE BOTTLE NUMBER	
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		SAL. NUTR. CHL. PAM Other	
1 38		PRESSURE		PRI. TEMP.		SALINITY	
2 38		SEC. TEMP.		SEC. TEMP.		SALINITY	
3 38		PRI. TEMP.		SEC. TEMP.		SALINITY	
4 38		SEC. TEMP.		SEC. TEMP.		SALINITY	
5 15		PRI. TEMP.		SEC. TEMP.		SALINITY	
6 15		SEC. TEMP.		SEC. TEMP.		SALINITY	
7 15		PRI. TEMP.		SEC. TEMP.		SALINITY	
8 15		SEC. TEMP.		SEC. TEMP.		SALINITY	
9		PRI. TEMP.		SEC. TEMP.		SALINITY	
10		SEC. TEMP.		SEC. TEMP.		SALINITY	
11		PRI. TEMP.		SEC. TEMP.		SALINITY	
12		SEC. TEMP.		SEC. TEMP.		SALINITY	

66
40
35
29
24
18
10
0

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5			DSDB I.D.		STATION DESIGNATION <i>Atoll 7</i>														
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)		WIND DIRN. (deg)		WIND SPD. (m/s)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
16754		6.84 N		166.22 W		29 JUN 01		2002		21.00								165			
SBE 9+ 09P 19507-0533		TIMES		JD/TIME		DATA ON		Tape/Diskette ID		DATA LOCATION		REMARKS									
PRESS SN 68467		START DOWN		AT DEPTH		AT SURFACE		PAR SN 4497		FLUOR SN 02182		CHAM SN									
PRI TEMP SN 2578																					
SEC TEMP SN 2708																					
PRI COND SN 638																					
SEC COND SN 2272																					
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM Other	
1 100																379		✓			
2 50																380		✓			
3 30																381		✓			
4 10																382		✓			
5 0																383		✓			
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION						
RV Alpha Helix		H X 2 4 5								AKY15						
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
16954	4.52N	166.14	00W	14	JUN	01	22	15							78	
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	CHIAM SN										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER										
1	70	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY		SAL.	NUTR.	CHL.	PAM	Other				
2	50								390	✓		✓				
3	30									✓		✓				
4	10									✓		✓				
5	0											✓				
6																
7																
8																
9																
10																
11																
12																

NO REP

Cleaned air bleed valve

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				Aky 13							
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
7154	2.92N	166.55W	14 JUN 01	2300								56	
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											
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	CIAM SN		TRANS. SN					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES											
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAL.	NUTR.	CHL.	PAM	Other	
1	48								398	✓		✓	
2	30								399	✓		✓	
3	10								400	✓		✓	
4	0								401	✓		✓	
5													
6													
7													
8													
9													
10													
11													
12													

Cleaned air bleed valve

MAX. DEPTH = m

Other

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION												
RV Alpha Helix		H X 2 4 5								PR 912												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	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	(mb)	(deg)	(m/s)
72																	68					
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		CHIAM SN																
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM		Other		
1	66	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY
2	80																					
3	30																					
4	10																					
5	0																					
6																						
7																						
8																						
9																						
10																						
11																						
12																						

012

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
RV Alpha Helix		H X 2 4 5								411-415								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY 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
7453	N	16553.30	W	15	JUN	01											93	
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						Cleared air bleed valve										
SEC COND SN 2272		PAR SN _ 4 4 9 7		FLUOR SN _ 0 2 1 8 2		CHIAM SN		MAX. DEPTH =		m								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER								
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other					
1	88								74-1	411	✓		✓					
2	50									412	✓		✓					
3	30									413	✓		✓					
4	10									414	✓		✓					
5	0									415	✓		✓					
6																		
7																		
8																		
9																		
10																		
11																		
12																		

[411-415]

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION <i>Feb 19</i>	
LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	
DEG	MIN	DEG	MIN	DAY	MO	YR	HR MIN
<i>77</i>	<i>54</i>	<i>166</i>	<i>30</i>	<i>15</i>	<i>J</i>	<i>U</i>	<i>N</i>
SBE 9+09P 19507-0533		TIMES		JD/TIME		Tape/Diskette ID	
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	
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
POS.	DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	
1	<i>500</i>						
2	<i>290</i>						
3	<i>280</i>						
4	<i>100</i>						
5	<i>50</i>						
6	<i>30</i>						
7	<i>10</i>						
8	<i>0</i>						
9							
10							
11							
12							

No chl etc this transect - filter

REMARKS
 Cleaned air bleed valve
 MAX. DEPTH = *916* m

SAL.	NUTR.	CHL.	PAM	Other
	<i>405</i>	<i>425</i>	<i>219</i>	
	<i>426</i>			
	<i>427</i>			
	<i>428</i>			
	<i>429</i>			
	<i>430</i>			
	<i>431</i>			
	<i>432</i>			

In Current / Slope

2006

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
RV Alpha Helix		H X 2 4 5				Ary 18													
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
7854	7	77	N	166	26	27	W	15	J	U	N	0	1	16	02			750	
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	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA							
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other						
1	460																		
2	350																		
3	200																		
4	100																		
5	50																		
6	30																		
7	10																		
8	0																		
9																			
10																			
11																			
12																			

Cleaned air bleed valve

433 433 Rep
434
435
436
437
438
439
440

3500

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNINATION Key 17	
CONSC CAST #		LONGITUDE		DATE JD=		TIME (GMT)	
79154 6.87N 16622.30W		15 JUN 01		1641			
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				Cleared air bleed valve <input checked="" type="checkbox"/>	
SEC COND SN 2272		PAR SN _ 4 9 7		FLUOR SN _ 0 2 1 8 2		TRANS. SN	
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
1 100		PRESSURE		PRI. TEMP.		SAL. NUTR. CHL. PAM Other	
2 50		PRESSURE		SEC. TEMP.		441	
3 10		PRESSURE		SEC. TEMP.		442	
4 0		PRESSURE		SEC. TEMP.		443	
5		PRESSURE		SEC. TEMP.		444	
6		PRESSURE		SEC. TEMP.			
7		PRESSURE		SEC. TEMP.			
8		PRESSURE		SEC. TEMP.			
9		PRESSURE		SEC. TEMP.			
10		PRESSURE		SEC. TEMP.			
11		PRESSURE		SEC. TEMP.			
12		PRESSURE		SEC. TEMP.			

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNINATION ALY 15																									
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	
8154		4.5		166.14		10 W 15 JUN 01		17 41																		78					
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		CHLOR SN																									
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM		Other									
1 75																447															
2 56																448															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

both
ret

both
Red

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNINATION							
RV Alpha Helix		H X 2 4 5								Apr 17							
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
	DEG	MIN	DEG	MIN	DAY	MO												YR	HR	MIN
8254	3	37	N	166	9	94	W15	JUN	01	18	09					74	
SBE 9+ 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		PAR SN		4 4 9 7		FLUOR SN		0 2 1 8 2		CHIAM 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	67																
2	57																
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Cleaned air bleed valve

88-1449
4SD

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		H X 2 4 5				Key 13												
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
8254	2.30	N	166	5.97	W	15	JUN	01	18	35							49	
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	CHIAM SN										
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAL.		NUTR.	CHL.	PAM	Other	
1	45													451				
2	52													452				
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5			DSD8 I.D.		STATION DESIGNATION <i>Argo</i>														
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		WIND DIRN.		WIND SPD.		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
865352.611N		16553.34W		15 JUN 01		2000		1200		. .		. .		. .		. .		94			
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 9 7		FLUOR SN _ 0 2 1 8 2		CHIAM SN															
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1 88														864		458					
2 54														458		458					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. S/N

SAMPLE BOTTLE DATA

CTD CONVERTED MONITOR VALUES

PAR SN _ 4 9 7

FLUOR SN _ 0 2 1 8 2

CHIAM SN

PRESSURE

PRI. TEMP.

SEC. TEMP.

SALINITY

SALINITY

SAL.

NUTR.

CHL.

PAM

Other

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
RV Alpha Helix		H X 2 4 5								Ary 07								
CONC #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY 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
895356	30N	16540.8	5W	15	JUN	01	2	35									100	
SBE 9+ 09P 19507-0533																		
TIMES JD/TIME																		
DATA ON																		
Tape/Diskette ID File Name/Header																		
START DOWN																		
AT DEPTH																		
AT SURFACE																		
<input type="checkbox"/> PAR SN _ 4 4 9 7 <input type="checkbox"/> FLUOR SN _ 0 2 1 8 2 <input type="checkbox"/> CHIAM SN _____ CTD CONVERTED MONITOR VALUES																		
<input type="checkbox"/> MAX. DEPTH = _____ m <input type="checkbox"/> TRANS. SN _____ <input type="checkbox"/> CLEANED AIR BLEED VALVE																		
REMARKS																		
SAMPLE BOTTLE DATA																		
SALINITY																		
SAL. NUTR. CHL. PAM Other																		
1	95																	
2	50																	
3	40																	
4	30																	
5	20																	
6	10																	
7	0																	
8																		
9																		
10																		
11																		
12																		

Handwritten signature

VESSEL		PROJECT & LEG			DSDB I.D.			STATION DESIGNATION													
RV Alpha Helix		H X 2 4 5																			
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	(m)			
915	41	16.09	N	166	0.91	W	18	J	U	N	01	06	04					13			
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												C1-C2 Noisy at surface	
PRI TEMP SN 2578		START DOWN																		Cleared air bleed valve	
SEC TEMP SN 2708		AT DEPTH																			
PRI COND SN 638		AT SURFACE																			
SEC COND SN 2272		PAR S/N		4 9 7		FLUOR S/N		0 2 1 8 2		CHIAM S/N											
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SAL.	NUTR.	CHL.	PAM	Other	
1	128															481				Cell Counts	
2	75															482					
3	50															483					
4	40															484					
5	30															485					
6	20															486					
7	10															487					
8	0															488					
9																					
10																					
11																					
12																					

-bad net

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5				UNY 30									
CONSC	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	WIND TYPE	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN											
9354	N 165		18 JUN 01	14									420		
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		CHIAM SN									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER									
1	410	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM					
2	250														
3	100														
4	50														
5	40														
6	30														
7	20														
8	10														
9	0														
10															
11															
12															

Helix

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION										
RV Alpha Helix		H X 2 4 5				LANY30										
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
9454	33.35 N	165	47.81 W	18	JUN 01	1508									420	
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		Pood Station						
PRI TEMP SN 2578		START DOWN								<input type="checkbox"/> Cleaned air bleed valve MAX. DEPTH = m						
SEC TEMP SN 2708		AT DEPTH								<input type="checkbox"/> TRANS. SN _____ SAMPLE BOTTLE NUMBER						
PRI COND SN 638		AT SURFACE								SAL. NUTR. CHL. PAM Other						
SEC COND SN 2272		PAR SN 4 4 9 7		FLUOR SN 0 2 1 8 2		CHIAM SN _____		SAMPLE BOTTLE DATA								
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY								
1 30																
2 30																
3 30																
4 30																
5 0																
6 0																
7 0																
8 0																
9																
10																
11																
12																

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5								UNY28									
CONC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY 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
955431	10N	16539	52W	1155	8	JUN	01	11	55								305		
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		CHIAM SN												
POS.	TRIP	DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
1	300													SAL.	NUTR.	CHL.	PAM	Other	
2	150													506	507	✓		✓	✓
3	100													508	509	✓		✓	✓
4	50													510	511	✓		✓	✓
5	40													512	513	✓		✓	✓
6	30													514	614	✓		✓	✓
7	20																		
8	10																		
9	0																		
10																			
11																			
12																			

20

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
RV Alpha Helix		H X 2 4 5				610727							
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	WET BULB	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
965429	19.95 N	165.35	35.36 W	18 JUN 01	1633							134	
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		CHIAM SN							
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER							
1	125	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other		
2	100							515	✓		✓		
3	50							516	✓		✓		
4	40							517	✓		✓		
5	30							518	✓		✓		
6	20							519	✓		✓		
7	10							520	✓		✓		
8	0							521	✓		✓		
9								522	✓		✓		
10													
11													
12													

Cleaned air bleed valve

MAX. DEPTH = m

TRANS. SN

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
RV Alpha Helix		H X 2 4 5								UNY24								
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY 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
98	54	26.51	N	165	22.80	W	18	JUN	01	17	49						143	
SBE 9+ 09P. 19507-0533 PRESS SN 6 8 4 6 7 PRI TEMP SN 2578 SEC TEMP SN 2708 PRI COND SN 638 SEC COND SN 2272																		
TIMES JD/TIME DATA ON _____ START DOWN _____ AT DEPTH _____ AT SURFACE _____																		
DATA LOCATION Tape/Diskette ID _____ File Name/Header _____																		
REMARKS <input type="checkbox"/> Cleaned air bleed valve MAX. DEPTH = _____ m TRANS. SN _____																		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA						
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	FLUOR SN	PAR SN	CHLORIN	CHLORIN	CHLORIN	SAMPLE BOTTLE DATA	SAL.	NUTR.	CHL.	PAM	Other	
1	135																	
2	100																	
3	50																	
4	40																	
5	30																	
6	20																	
7	10																	
8	0																	
9																		
10																		
11																		
12																		

33

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5								UNY 20									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
1005422	N	165	6.14	W	18	JUN	01	1923										138	
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		CHIAM SN													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA		SALINITY	SAL.	NUTR.	CHL.	PAM	Other						
1	130									545	✓		✓						
2	50									546	✓		✓						
3	40									547	✓		✓						
4	30									548	✓		✓						
5	20									549	✓		✓						
6	10									550	✓		✓						
7	0									551	✓		✓						
8																			
9																			
10																			
11																			
12																			

6.01
not 1
not 7

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION									
RV Alpha Helix		H X 2 4 5								ALN Y 1 8									
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
1015419	19.74	N	16457	57	18	JUN	01	20	18									95	
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		CHIAM SN													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA							
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other						
1	91													101-1	552	✓			✓
2	50														553	✓			✓
3	40														554	✓			✓
4	30														555	✓			✓
5	20														556	✓			✓
6	10														557	✓			✓
7	0														558	✓			✓
8																			
9																			
10																			
11																			
12																			

either
? or
not
taken

552
553
554
555
556
557
558

VESSEL		PROJECT & LEG			DSDB I.D.		STATION DESIGNATION												
RV Alpha Helix		H X 2 4 5					UNY16												
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
102	54	17.41	N	164	49.32	W	18	JUN	01	21	13						63		
SBE 9+ 09P-19507-0533		TIMES		JD/TIME		REMARKS		DATA LOCATION		Tape/Diskette ID		File Name/Header		Cleaned air bleed valve <input type="checkbox"/>		MAX. DEPTH = m		TRANS. S/N	
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 S/N _ 4 4 9 7		FLUOR S/N _ 0 2 1 8 2		CHIAM S/N													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other		
1	55																		
2	30																		
3	0																		
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

(Handwritten mark)

558
559
560
561 = 3-5-11

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
RV Alpha Helix		H X 2 4 5				UN712													
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	
	DEG	MIN	DEG	MIN	DAY	MO													YR	HR	MIN
10454	12.26	N	16432.70	W	18	JUN	01	23	03								113		
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		CHIAM SN													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other		
1	110																		
2	50																		
3	30																		
4	20																		
5	0																		
6																			
7																			
8																			
9																			
10																			
11																			
12																			

364

all hot

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION								
RV Alpha Helix		H X 2 4 5								Whale 1								
CONSC CAST #	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	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	* * *	* * *	(m)					
108515.36 N	16.0	6.00	W 22	U N 10	10 13	.	.	.	.	.	.	.	.	.	56			
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		CHIAM SN														
POS. TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		PAM	
1 50	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM								
2 33																		
3 50																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5			DSDB I.D.			STATION DESIGNATION Whel 7							
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB	DRY BULB	WIND DIRN.	WIND SPD.	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)	(m)	
1145510.16	N	16	161	6	84	WR	22	JUN	01	11	49			202	
SBE 9+ 09P. 19507-0633															
PRESS SN 6 8 4 6 7															
PRI TEMP SN 2578															
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 CHIAM SN _____ CTD CONVERTED MONITOR VALUES															
POS.	TRIP DEPTH	SAMPLE BOTTLE DATA													
1	190	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other				
2	50						114-1	27							
3	52							2							
4								3							
5															
6															
7															
8															
9															
10															
11															
12															

REMARKS
Cleaned air bleed valve

DATA LOCATION
Tape/Diskette ID
File Name/Header

TIMES
JD/TIME

DATA ON
START DOWN
AT DEPTH
AT SURFACE

MAX. DEPTH = m

TRANS. SN

CHIAM SN

FLUOR SN _ 0 2 1 8 2

PAR SN _ 4 4 9 7

Cleaned air bleed valve

DATA ON
START DOWN
AT DEPTH
AT SURFACE

VESSEL RV Alpha Helix		PROJECT & LEG H X 2 4 5		DSDB I.D.		STATION DESIGNATION <i>W hole 2</i>																							
CONSC CAST #		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	
11555		91.25 N 160.18 W		27 JUN 01		12 12		12.1		12.1		1012		1		1		1		1		1		1		1		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 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		CTD CONVERTED MONITOR VALUES		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY		SALINITY	
1 203																													
2 50																													
3 50																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

