VOfLR V2 V6 PAR

Cast 1 is Res 2.5, near Seward

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE10

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2	55 25.12 N	164 19.73 W	20 MAY 99	1921	.	.									1025	SBE10

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID	File Name/Header	In Situ Prod.
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = 98 m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Prod Bio	CHL.	WHIT's NUTR.	CO_2	Plank-Counts
1	98									T9		
2	75									T8		
3	50									T7		
4	40									T6		
5	30	✓						✓	✓	T5	✓	✓
6	20	✓						✓	✓	T4	✓	✓
7	10	✓						✓	✓	T3	✓	✓
8	5	✓						✓	✓	T2	✓	✓
9	0									T1		
10												
11												
12												

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	35	25.09	N	164	19.72	W	20	MAY	99	19	47	.	.										CBE10

SBE 9+		TIMES	JD/TIME	DATA LOCATION	REMARKS Pink-Rho's Prod cast
PRESS SN	#63503	DATA ON		Tape/Diskette ID / File Name/Header	
PRI TEMP SN	1771	START DOWN			☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH			MAX. DEPTH = 30 m
PRI COND SN	2251	AT SURFACE			
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N	☐ TRANS. S/N

Chlore etc for productivity

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	24									
2	24									
3	16									
4	16									
5	11									
6	11									
7	6									
8	6									
9	4									
10	4									
11	0									
12	0									

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	45	25.01 N	164	19.71 W	20	MAY	99	20	29	.	.									102	SBE10

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION	REMARKS Deck cmod
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header	
PRI TEMP SN 1771	START DOWN			
SEC TEMP SN 1772	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE			MAX. DEPTH = 30 m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	30									
2	30									
3	30									
4	30									
5	5									
6	5									
7	5									
8	5									
9										
10										
11										
12										

Start SB grid

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE 10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	25.05 N	164	19.71 W	20	MAY	99	21	46	.	.									1024	SBE10

SBE 9+3	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN # 63503	DATA ON	Tape/Diskette ID / File Name/Header	
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE		MAX. DEPTH = 99 m
SEC COND SN 501	☒ PAR S/N	☒ FLUOR S/N ☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	98						005 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

+ chlor ~50 m, 10 3.5 to 2.5

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	65	20.20 N	164	15.71 W	20	MAY	99	22	31	.	.									98	SBE8

SBE 9+	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = 91 m

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

no samples

50m 3.4 2.7

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE 6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	75	55.15.27 N	164	11.70 W	20	MAY	99	23	15	.	.									75	SBE6

SBE 9+		**TIMES**	JD/TIME	**DATA LOCATION**
PRESS SN	#63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN	1771	START DOWN		
SEC TEMP SN	1772	AT DEPTH		
PRI COND SN	2251	AT SURFACE		
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N ☐ TRANS. S/N

REMARKS

☐ **Cleaned air bleed valve**

MAX. DEPTH = 71 m

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	71									I16
2	50								✓	I15
3	40								✓	I14
4	30						007			I13
5	20								✓	I12
6	10									I11
7	0								✓	I10
8										
9										
10										
11										
12										

10 - 30m 3.4 3.1
slow

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBE5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	12.86 N	164	9.85 W	20	MAY	99	23	46	.	.									64	SBE5

SBE 9+	TIMES	JD/TIME	DATA LOCATION	REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header	
PRI TEMP SN 1771	START DOWN			
SEC TEMP SN 1772	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE			MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	60						002 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

5 - 25mm 3,5 to 3,2

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
9	55	10.40N	164	7.76W	21	MAY	99	00	13	.	.									54	SBE4

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION	REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header	
PRI TEMP SN 1771	START DOWN			☐ Cleaned air bleed valve
SEC TEMP SN 1772	AT DEPTH			
PRI COND SN 2251	AT SURFACE			MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	51									122
2	40									121
3	30								✓	120
4	20									119
5	10								✓	118
6	0								✓	117
7										
8										
9										
10										
11										
12										

5-10m 3.6 to 3.3

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
10	55	5.54 N	164	3.81 W	21	MAY	99	00	58	.	.									40	SBE2

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

>4 sta. 3.6 by 10

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBE1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	11	55 3.09 N	164	1.82 W	21	MAY	99	01	24	.	.									30	SBE1

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	26									1260
2	20								✓	1225
3	10								✓	1224
4	0								✓	1223
5										
6										
7										
8										
9										
10										
11										
12										

123

3.9

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5B01

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	12	55 4.46 N	163	56.74 W	21	MAY	99	01	56	.	.									26	5B01

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	22						012 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

3.0

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5BD2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
13	55	6.86 N	163	58.85 W	21	MAY	99	02	17	.	.									35	5B02

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SB04

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	14	55 11.80 N	164	2.86 W	21	MAY	99	02	53	.	.									51	SB04

SBE 9+		**TIMES** JD/TIME	**DATA LOCATION**
PRESS SN	#63503	DATA ON	Tape/Diskette ID / File Name/Header
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501	☐ PAR S/N ☐ FLUOR S/N ☐ ChlAM S/N	

REMARKS

☐ **Cleaned air bleed valve**

MAX. DEPTH = m

☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5B05

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	15	55 14.21	N	164	4.67	W	21	MAY	99	03	14	.	.									58	5B05

53

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	53						015 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5306

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	16	55 16.64 N	164	6.57 W	21	MAY	99	03	37	.	.									77	5306

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP. SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 73 m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		3B08

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	17 55 21.54 N	164 10.59 W	21 MAY 99	04 16	.	.									96	3B08

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		3B010

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	55	26.44 N	164	14.62 W	21	MAY	99	04	57	.	.									1003	3B010

96

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 96 m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	96						018 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	19	55.30.18 N	164	11.36 W	21	MAY	99	05	32	.	.									99	SBC11

94

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 95 m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	95									T34
2	75									T33
3	50 ✓									T32
4	40 ✓								✓	T31
5	30 ✓									T30
6	20 ✓								✓	T29
7	10 ✓								✓	T28
8	0								✓	T27
9										
10										
11										
12										

7 see chl.

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBC 10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20	55 27.79 N	164 09.27 W		21	MAY	99	06	11	.	.									99	SBC10

93

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 95 m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

(-2)

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	95									141
2	50 ✓									140
3	40 ✓								✓	139
4	30 ✓									138
5	20 ✓								✓	137
6	10 ✓								✓	136
7	0								✓	135
8										
9										
10										
11										
12										

135

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBC 99

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
21	55	25.36 N	164	7.29 W	21	MAY	99	06	48	.	.									97	SBC9

93
91

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 93 m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	93 ✓									48
2	50 ✓									47
3	40 ✓								✓	46
4	30 ✓									45 ✓
5	20 ✓								✓	44 ✓
6	10 ✓								✓	43 ✓
7	0								✓	42 ✓
8										
9										
10										
11										
12										

Zap Chl

I42

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5BC8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	55.22.91	N	164	05.26	W	21	MAY	99	07	24	.	.									96	5BC8

(90) 92

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 92 m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	92 ✓									55
2	50 ✓									54
3	40 ✓								✓	53
4	30 ✓									52
5	20 ✓								✓	151
6	10 ✓								✓	150
7	0								✓	149
8										
9										
10										
11										
12										

149

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5BC7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	55	20.50 N	164	03.21 W		21	MAY	99	08	01	.	.									86	5BC7

81

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS 86
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 80 m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	80									62
2	50									61
3	40								✓	60
4	30									59
5	20								✓	58
6	10								✓	57
7	0								✓	I56
8										
9										
10										
11										
12										

Zee chl.

I56

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		53C6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	24	55.17.92 N	164	01.37 W	21	MAY	99	08	49	.	.									178	53C6

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = 74 m

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	74 ✓						02401			T69
2	50 ✓									68
3	40 ✓								✓	67
4	30									66
5	20								✓	65
6	10								✓	64
7	0								✓	T63
8										
9										
10										
11										
12										

74

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5BC5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
25	55	15.50 N	163	59.36 W	21	MAY	99	09	25	.	.									16	5BC5

55

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	54									175
2	40								✓	174
3	30									173 ✓
4	20								✓	172 ✓
5	10								✓	171 ✓
6	0								✓	170 ✓
7										
8										
9										
10										
11										
12										

Zee chl.

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		3BC4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26	55 13.06 N	163 57.39 W		21	MAY	99	09	56	.	.									55	3BC4

50

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	50									80
2	30								✓	79
3	20								✓	78
4	10								✓	77
5	0								✓	176
6										
7										
8										
9										
10										
11										
12										

176

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5BC3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	27	55 10.61 N	163 55.43 W		21	MAY	99	10	23	.	.									45	5BC3

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	40								✓	185
2	30									184 ✓
3	20								✓	183 ✓
4	10								✓	180 ✓
5	0								✓	181 ✓
6										
7										
8										
9										
10										
11										
12										

Zee

40
41

181

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		3BC2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	28	55 8.16 N	163 53.44 W		21	MAY	99	10	51	.	.									134	3BC2

28

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	28									189
2	20						028 02			88
3	10									87
4	0								✓	86
5										
6										
7										
8										
9										
10										
11										
12										

186

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBC1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	29	55.05.75	N	163	51.49	W	21	MAY	99	11	17	.	.									29	SBC1

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	25									92
2	10									91
3	0								✓	90
4										
5										
6										
7										
8										
9										
10										
11										
12										

Zero Chl. 0 ? ✓

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5BB1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	30	55 7.21 N	163	46.31 W	21	MAY	99	11	49	.	.									135	5BB1

29
30

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBB2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	55.9.60 N	163	45.22 W	21	MAY	99	12	12	.	.									42	SBB2

39
40

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	38						31			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5B34

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	32	55 14.45 N	163 52.22 W		21	MAY	99	12	52	.	.									55	5B34

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

50
52

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SAB5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	33	55	16.91	N 163	54.33	W	21	MAY	99	13	17	.	.									168	SAB5

64

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	64						033 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBBLo

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	34	55 19.36 N	163	56.30 W	21	MAY	99	13	42	.	.									169	SB36

66
67

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	jelly in cast - 10?
PRI TEMP SN	1771	START DOWN				(Use 2°)
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

or see upcast (straight 11 TOS)

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

jelly

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5/3 B8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	35	55.24.19 N	164	00.35 W	21	MAY	99	14	21	.	.									193	5B3B

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN 1772	AT DEPTH				
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

88

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5BB10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	36	52	9.07	N 164	4.38	W	21	MAY	99	15	05	.	.									96	5BB10

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN 1772	AT DEPTH				
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	92						036 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

92

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5BA10

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	37 55.30.51 N	163 59.26 W	21 MAY 99	1536	.	.									194	5BA10

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	88									100
2	75									99
3	50									98
4	40									97
5	30									96
6	20									95
7	10									94
8	0									193
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SB18

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	38	55	25.64	N 163	55.10	W	21	MAY	99	16	20	.	.									90	SB18

86

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		3BA6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	* SEA STATE	* VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	* CLOUD (amt)	* TYPE	* WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
39	55	20.77 N	163	51.13 W	21	MAY	99	17	03	.	.									72	3BA6

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	67									106
2	40								✓	105
3	30									104
4	20								✓	103
5	10								✓	102
6	0								✓	101
7										
8										
9										
10										
11										
12										

67

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		53A5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	40	55 18.37	N	1	63 49.16	W	21	MAY	99	17	30	.	.									66	53A5

61

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N _____	☐ FLUOR S/N _____	☐ ChlAM S/N _____		☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		53A4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	41	55.15.90	N	163	47.11	W	21	MAY	99	17	54	.	.									559	53A4

53

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	54									112
2	40						041 02		✓	111
3	30						~~044~~			110
4	20									109
5	10								✓	108
6	0								✓	107
7										
8										
9										
10										
11										
12										

It isn't called Slime Bank for nothing!

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5BA2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	42	55 10.97	N	163	43.02	W	21	MAY	99	18	36	.	.									46	5BA2

4Φ
42

SBE 9+Φ		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 42 m
SEC COND SN	501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____		☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		S3A1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	43	55 8.48 N	163 41.12 W		21	MAY	99	19	00	.	.									42	S3A1

36

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N _____	☐ FLUOR S/N _____	☐ ChlAM S/N _____		☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	38									
2	20									
3	10									
4	0									
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBA3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	44	55.13.45	N	163	44.97	W	21	MAY	99	20	02	.	.									54	SBA3

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Sn Solu Prods
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	30									
2	20									
3	10									
4	0									
5										
6										
7										
8										
9										
10										
11										
12										

48

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBA3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	45	51.40 N	163	44.81 W	21	MAY	99	22	19	.	.									53	SBA3

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N

REMARKS: Rho's cast

☐ Cleaned air bleed valve

MAX. DEPTH = 30 m

☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	26✓									
2	26✓									
3	17✓									
4	17✓									
5	12✓									
6	12✓									
7	7✓									
8	7✓									
9	4✓									
10	4✓									
11	0									
12	0									

24
2

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBA3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	46	55 12.35 N	163 45.32 W		21	MAY	99	22	47	.	.									53	SBA3

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Pads
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	25									
2	25									
3	25									
4	25									
5	0									
6	0									
7	0									
8	0									
9	0									
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBC6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	47	55 18.02 N	164 01.37 W		22	MAY	99	16	23	.	.									77	SBC6

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod.
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	30									
2	30									
3	30									
4	30									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

74

75

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBC 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	48	55.86N	163	51.19W	22	MAY	99	21	47	.	.									26	

23
25

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	10									
2	10									
3	10									
4	10									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBC1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	49	55.84 N	163	51.07 W	22	MAY	99	22	00	.	.									27	

SBE 9+	TIMES	JD/TIME	DATA LOCATION
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS) In Situ

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ☐ FLUOR S/N ☐ ChlAM S/N ☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	25									
2	15									
3	10									
4	0									
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SRC1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	50	55.90 N	163	50.97 W		MAY	99	22	12	.	.									21	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Rho's
PRI TEMP SN	1771	START DOWN				pood
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	20									
2	20									
3	13									
4	13									
5	9									
6	9									
7	5									
8	5									
9	3									
10	3									
11	0									
12	0									

PG ___ OF ___

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		3B B2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
5	55	9.44 N	162	48.33 W	23	MAY	99	16	05	.	.	14								40	3B B2

30
36

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
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
Alpha Helix	HX220		5BC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	52	55.27.72 N	164	9.46 W	23	MAY	99	20	22	.	.									99	5BC10

SBE 9+~~Ø~~	TIMES	JD/TIME	DATA LOCATION
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____

REMARKS
Deck Prod – Retermnated cable/ no samples except 95 & 60

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	95									
2	60									
3	14	Cast Redone – not used								
4	14									
5	14									
6	14									
7	0									
8	0									
9	0									
10	0									
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SBC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	53	55.275 N	164	09.39 W	23	MAY	99	22	22	.	.									918	

SBE 9+	TIMES	JD/TIME	DATA LOCATION
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501	PAR S/N	FLUOR S/N	ChlAM S/N

REMARKS: Dual Prod new termination

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	15									
2	15									
3	15									
4	15									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SB C1D

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	54	55.27.72 N	164	9.21 W	23	MAY	99	22	38	.	.									99	

SBE 9+		TIMES	JD/TIME	DATA LOCATION
PRESS SN	#63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN	1771	START DOWN		
SEC TEMP SN	1772	AT DEPTH		
PRI COND SN	2251	AT SURFACE		
SEC COND SN	501			

REMARKS: In Situ Pond

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ☐ FLUOR S/N ☐ ChlAM S/N ☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	25									
2	15									
3	10									
4	0									
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		3 ABC 10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	55.27.75 N	164	9.39 W	23	MAY	99	22	52	.	.									99	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Rho's prod
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = 35 m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	30 ✓									
2	30 ✓									
3	20 ✓									
4	20 ✓									
5	14									
6	14									
7	8									
8	8									
9	5									
10	5									
11	0									
12	0									

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PME1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	56	56.27.32 N	160	8.57 W	26	MAY	99	00	24	.	.									22	PME1

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS Deck Prod.

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	18									
2	18									
3	18									
4	18									
5	0									
6	0									
7	0									
8	0									
9	0	(S)								
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		1MG1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	57	.	N		.	W		MAY	99			.	.									23	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	in situ
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	15									
2	10									
3	5									
4	0									
5										
6										
7										
8										
9										
10										
11										
12										

17

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PME 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	58	56 27.22 N	160	8.46 W	26	MAY	99	0250		.	.									23	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS Rho's prod
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	18 ✓									
2	18 ✓									
3	11									
4	11									
5	8									
6	8									
7	5									
8	5									
9	3									
10	3									
11	0									
12	0									

5 tow PM grid

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PME11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
59	56	47.94	N	160	40.14	W	26	MAY	99	1527		.	.									68	PME11

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	69									125
2	50									124
3	40								✓	123
4	30									122
5	20								✓	121
6	10								✓	120
7	0								✓	119
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
60	56	43.84	N	160	23.69	W	26	MAY	99	16	09	0.3	.	16								71	PME9

67

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Seachest is wrong
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	67						060 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PME7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	61	56 29.75 N	160 27.51 W		26	MAY	99	16	46	.	.									66	

61

SBE 9+	
PRESS SN	#63503
PRI TEMP SN	1771
SEC TEMP SN	1772
PRI COND SN	2251
SEC COND SN	501

TIMES	JD/TIME
DATA ON	
START DOWN	
AT DEPTH	
AT SURFACE	

DATA LOCATION	
Tape/Diskette ID	File Name/Header

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	61									132
2	50									131
3	40								✓	130
4	30									129
5	20								✓	128
6	10								✓	127
7	0								✓	126
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME 7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	62	5639.71	N	160	27.46	W	26	MAY	99	17	01	.	.										

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS Deck Prod

☐ Cleaned air bleed valve

MAX. DEPTH = 30 m

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	20									
2	20									
3	20									
4	20									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

54

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		IME6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
63	56	27.67 N	160	24.28 W	26	MAY	99	17	25	.	.									59	

SBE 9+~~5~~	TIMES	JD/TIME	DATA LOCATION
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMES

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	64	56.35.64 N	160	21.2 DW	26	MAY	99	17	49	.	.									54	

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION
PRESS SN	#63503	DATA ON	Tape/Diskette ID / File Name/Header
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

REMARKS (53)

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ☐ FLUOR S/N ☐ ChlAM S/N ☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	49									137
2	30									136
3	20									135
4	10									134
5	0									133
6										
7										
8										
9										
10										
11										
12										

(418)
54

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	65	56.32.56	N	160	17.93	W	26	MAY	99	18	14	.	.									46	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	66	56.31.48 N	160	14.91 W	26	MAY	99	18	35	.	.									36	

31

SBE 9+		**TIMES**	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID | File Name/Header

REMARKS

☐ **Cleaned air bleed valve**

MAX. DEPTH = m

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	32						066 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	67	56.27.19N	160	8.37W	24	MAY	99	19	14	.	.									25	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	20								✓	140
2	10								✓	139
3	0								✓	138
4										
5										
6										
7										
8										
9										
10										
11										
12										

20

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
68	56	31.57 N	159	59.53 W	26	MAY	99	20	00	.	.									23	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	Zee Chlor
1	20								✓	143	✓
2	10								✓	142	✓
3	0								✓	141	✓
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	69	56.33.59	N	160	2.68	W	26	MAY	99	20	32	.	.									31	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	28								✓	146
2	10								✓	145
3	0								✓	144
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PMC 3

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	70 56 35.52 N	160 6.02 W	26 MAY 99	2058	.	.									45	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	41								✓	151
2	30									150
3	20								✓	149
4	10									148
5	0								✓	147
6										
7										
8										
9										
10										
11										
12										

10

Zooplankton
Chl

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PMC4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	56	37.72 N	160	9.07 W	26	MAY	99	21	27	.	.									48	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N _____	☐ FLUOR S/N _____	☐ ChlAM S/N _____		☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	44								✓?	156 → HPLC
2	30									155
3	20								?	154
4	10								✓	153
5	0								✓	152
6										
7										
8										
9										
10										
11										
12										

152

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PMC5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	72	56 39.76 N	160	12.17 W	26	MAY	99	21	56	.	.									51	

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	Zee Chl
1	47						072			161	
2	30									160	✓
3	20								✓?	159	✓
4	10								✓	158	✓
5	0								✓	157	✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PMC 6

56

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	73	56.41.84 N	160	15.38 W	26	MAY	99	22	27	.	.									61	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____		☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	
1	57									167	HPLC
2	40								?	166	
3	30									165	
4	20								✓	164	
5	10									163	
6	0								✓	162	~~HPLC~~
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	74	56.43.89	N	160	18.49	W	26	MAY	99	22	57	.	.									60	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	
1	58									173	See chl
2	40								✓	172	
3	30									171	✓
4	20								?	170	✓
5	10									169	✓
6	0								✓	168	✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	75	5645.88 N	160	21.85 W	26	MAY	99	23	28	.	.									62	

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	
1	58									179	
2	40								?	178	HPLC
3	30									177	
4	20								✓	176	
5	10									175	
6	0								✓	174	
7											
8											
9											
10											
11											
12											

63

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC9

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	76 56 48.00 N	160 24.92 W	26 MAY 99	23 59	.	.									68	

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID ____ File Name/Header ____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	64									186
2	50									185
3	40									184
4	30									183
5	20									182
6	10									181
7	0								✓	180
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	77	5650.06 N	160	28.12 W	27	MAY	99	00	34	.	.									63	PMC10

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	59						077 01			192
2	40									191
3	30									190
4	20									189
5	10									188 HPLC
6	0								✓	187
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	78	5652.14	N	16031.21		W		MAY	99	0106		.	.									68	

62

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	In Situ prod.
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	64									199
2	50									198
3	40									197
4	30									196
5	20									195
6	10									194
7	10									74
8	0									193
9										
10										
11										
12										

50
40
30
20
10
0

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PMC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	79	56.52.08 N	160	21.11 W	27	MAY	99	01	25	.	.									68	

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Pkd
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	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
Alpha Helix	HX220		PMA11

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	80 56.56.26 N	160 21.93 W	27 MAY 99	0343	.	.									69	PMA11

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES * PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA SALINITY	SAMPLE BOTTLE NUMBER SAL.	Bio	CHL.	WHIT's NUTR.
1	67									206
2	50									205
3	40									204
4	30									203
5	20									202
6	10									201
7	0									200
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMA9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
81	56	52.18	N	160	15.85	W	27	MAY	99	09	21	.	.									6549	9

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	663					081 01				
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMA7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
52	56	48.23	N	160	09.79	W	24	MAY	99	09	59	.	.									161	PMA7

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

Terry

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	57.9									1210
2	48.3									1211
3	38.0									1210
4	20.2									1209
5	15.1									1208
6	2.1									1207
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMA06

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	83	56 45.98	N	160 06.27		W	24	MAY	99			.	.									153	PMA06

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		YMA05

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	37	56.73.72	N	160	23.15	W	29	MAY	99	05	46	.	.									155	YMA05

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	51.5									1218
2	40.2									1217
3	30.1									1216
4	20.3									1215
5	10.4									1214
6	2.2									1213
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMA 07

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	35	56 51.86	N	157 59.78		W	27	MAY	99	06	11	.	.									152	PMA07

SBE 9+3		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	49.5					08501				
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		KMR03

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	86	5639.81	N	159	56.55	W	27	MAY	99	06	36	.	.										KMR03

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMR 01

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
87	56	35.67	N	159	50.68	W	27	MAY	99	07	17	.	.									123	PMR01

SBE 9+3		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.	
1	20.1										I2-19
2	10.2										I2-20
3	3.2										I2-21
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMC3

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	88 56 35.62 N	160 5.89 W	27 MAY 99	1826	.	.									46	

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

Deck Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	17									
2	17									
3	17									
4	17									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PMC3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
8	56	35.63 N	160	5.92 W	27	MAY	99	18	45	.	.										

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS Rho's prod

☐ **Cleaned air bleed valve**

MAX. DEPTH = m

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	30									
2	30									
3	20									
4	20									
5	14									
6	14									
7	8									
8	8									
9	5									
10	5									
11	0									
12	0									

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N SLGA1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
90	56	1.47 N	161	8.62 W	29	MAY	99	15	11	.	.									111	N SLGA1

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLGD2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
91	56	5T.12N	161	14.16W	29	MAY	99	16	05	.	.									33	02

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	31						091 31			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N5L6D3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	92	56	8.93 N	161	19.56 W		29	MAY	99	16	40	.	.									140	D3

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N5L604

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	56	12.67 N	161	25.08 W	29	MAY	99	17	15	.	.									153	04

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		NSL625

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	94	56 16.57 N	161	30.38 W	29	MAY	99	17	51	.	.									67	D5

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	61						094 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLG B5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
95	56	19.94	N	161	21.60	W	27	MAY	99	17	37	.	.									65	B5

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION	REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header	
PRI TEMP SN 1771	START DOWN			
SEC TEMP SN 1772	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE			MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	Zee Chl.
1	60									105	
2	40								?	104	
3	30									103	✓
4	20								✓	102	(Red) ✓
5	10								✓	101	✓
6	0	NO	Sample								
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLG B4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	96	56 16.21 N	161 16.43 W		29	MAY	99	19	15	.	.									50	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	Re chl.
1	47								✓	110	
2	30									109	✓
3	20								✓	108	✓
4	10									107	✓
5	0								✓	106	✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		NSLG B3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	97	56 12.24 N	161 11.27 W		29	MAY	99	1950		.	.									48	

SBE 9+	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	Zoo Chl
1	43								✓	115	
2	30									114	✓
3	20								✓	113	✓
4	10									112	✓
5	0								✓	111	✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		NSLG B2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	98	56.89N	161	6.10W	29	MAY	99	2030		.	.									35	

SBE 9+	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS: Deck Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	Zee Chl.
1	30								?	119	✓
2	20										
3	20										
4	20										
5	20										
6	20								✓	118	✓
7	10									117	✓
8	0										
9	0										
10	0										
11	0										
12	0								✓	116	✓

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N5L6B1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
99	56	4.48 N	161	0.78 W	27	MAY	99	21	18	.	.									23	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	19									
2	10									
3	0									
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		NSL6171

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	00	56 7.22N	160	53.22W	29	MAY	99	22	00	.	.									25	

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLGA2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
101	56	11.70 N	162	58.18 W	29	MAY	99	22	36	.	.									37	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	35						101 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLGA3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	102	56 15.55 N	161	3.01 W	29	MAY	99	23	14	.	.									46	

SBE 9+3	TIMES	JD/TIME	DATA LOCATION
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		NSLGA4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	10	35619.41	N	161	7.84	W	29	MAY	99	23	52	.	.									54	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____		☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLG5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	104	56.23.28 N	161	12.70 W	30	MAY	99	00	30	.	.									160	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		MOOR 2

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	195648.59 N	16359.47 W	30 MAY 99	2252	.	.									74	

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS Deck Prod
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	b						105 01			
2	25									
3	25									
4	25									
5	25									
6										
7										
8										
9										
10										
11										
12										

70
50
43
30
22
10
0

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		Move 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	10656	48.52	N	16359	.58	W	30	MAY	99	23	12	.	.									74	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS Dr Sch Prod
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	
1	70									228	See cal
2	50									227	
3	40								✓	226	✓
4	30									225	✓
5	20								✓	224	✓
6	10									223	
7	0								✓	222	✓
8	0									229	→ extra for Eho
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		Mm 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	107	5648.63 N	163	59.57 W	31	MAY	99	23	28	.	.									76	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	Rho's Cast
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = 35 m
SEC COND SN	501					

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	32									
2	32									
3	21									
4	21									
5	15									
6	15									
7	8									
8	8									
9	5									
10	5									
11	0									
12	0									

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PR14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	08	56.51	N 164	37.81	W 31	MAY	99	02	01	.	.										

SBE 9+	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ☐ FLUOR S/N ☐ ChlAM S/N ☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	71									225
2	40									224
3	30									223
4	20									222
5	10									221
6	0									220
7										
8										
9										
10										
11										
12										

Zee Chl

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PR 13

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
109	5642.75N	16452.53W	31 MAY 99	0445	.	.									77	

SBE 9+~~3~~	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN #63503	DATA ON	Tape/Diskette ID / File Name/Header	~knot current
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE		MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N / ☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	Free Chl.
1	74									241	
2	40								✓	240	
3	30									235	✓
4	20								✓	238	✓
5	10									237	✓
6	0								✓	236	✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		PR 12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	110	56 32.95 N	165	7.80 W	31	MAY	99	06	15	.	.									81	

SBE 9+ ~~3~~	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN #63503	DATA ON	Tape/Diskette ID / File Name/Header	Probes line 12
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE		MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N ☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.	
1	77						110 01			247	See chl
2	40								✓	246	
3	30									245	✓
4	20								✓	244	✓
5	10									243	✓
6	0								✓	242	✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC-14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	57	6.64 N	163	44.26 W	21	MAY	99	15	52	.	.									168	CNC14

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	63									253
2	40								3 ✓	252
3	30									251 ✓
4	20								2 ✓	250 ✓
5	10									249 ✓
6	0								1 ✓	248 ✓
7										
8										
9										
10										
11										
12										

Zee

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		CNC13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	12	57 11.27 N	163 39.87 W		31	MAY	99	16	37	.	.									66	

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	62									259
2	40								6	258
3	30									257
4	20								6	256
5	10									255
6	0								4	254
7										
8										
9										
10										
11										
12										

Zee

254

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC12

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	* SEA STATE	* VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	* CLOUD (amt)	* TYPE	* WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	13 57.15 N	163 34.88 W	31 MAY 99	1721	.	.									63	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	60						113 01			265
2	40								✓	264
3	30									263
4	20								✓	262
5	10									261
6	0								✓	260
7										
8										
9										
10										
11										
12										

Zep

260

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		CNC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	45	20.57 N	163	29.88 W	31	MAY	99	18	05	.	.									56	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	53									271
2	~~40~~	No trip	(posn. 1	tripped 2	times)					~~270~~
3	20									270 ✓
4	20								✓	269 ✓
5	10									268 ✓
6	0								✓	267 ✓
7										
8										
9										
10										
11										
12										

Zee

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		CNC8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	15	57.25.24 N	167	24.87 W	31	MAY	99	18	43	.	.									53	

SBE 9+~~3~~	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	50									277
2	40								✓	276
3	30									275
4	20								✓	274
5	10									273
6	0								✓	272
7										
8										
9										
10										
11										
12										

Zee

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC 6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	114	5729.88 N	163	19.86 W	31	MAY	99	19	32	.	.									51	

SBE 9+		TIMES	JD/TIME
PRESS SN	#63503	DATA ON	
PRI TEMP SN	1771	START DOWN	
SEC TEMP SN	1772	AT DEPTH	
PRI COND SN	2251	AT SURFACE	
SEC COND SN	501		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ☐ FLUOR S/N ☐ ChlAM S/N ☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	47									283
2	40								✓	✓
3	30									282 ✓
4	20								✓	281 ✓
5	10									279 ✓
6	0								✓	278 ✓
7										
8										
9										
10										
11										
12										

Zee

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	115	57.34.53 N	163	14.93 W	31	MAY	99	20	31	.	.									49	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	46								✓	288
2	30									7 ✓
3	20								✓	6 ✓
4	10									5 ✓
5	0								✓	284 ✓
6										
7										
8										
9										
10										
11										
12										

Z4

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
116	57	39.18 N	163	9.95 W	31	MAY	99	2100		.	.									48	

SBE 9+3	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN #63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	44								✓	293
2	30									292
3	20								✓	291
4	10									290
5	0								✓	289
6										
7										
8										
9										
10										
11										
12										

Zap

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	17	57.43.83 N	162	4.90 W	31	MAY	99	21	45	.	.									46	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	41								✓	298
2	30									297 ✓
3	20								✓	296 ✓
4	10									295 ✓
5	0								✓	294 ✓
6										
7										
8										
9										
10										
11										
12										

Zep

294

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		CNCX3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	20	57.48.59 N	163	0.04 W	31	MAY	99	22	32	.	.									45	

SBE 9+	TIMES	JD/TIME	DATA LOCATION
PRESS SN #63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	40								✓	303
2	30									302
3	20								✓	301
4	10									300
5	0								✓	299
6										
7										
8										
9										
10										
11										
12										

See

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	15	753.16N	162	54.99W	31	MAY	99	23	18	.	.									44	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____		☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	41								✓	308
2	30								✓	307
3	20								✓	300
4	10									306
5	0								✓	304
6										
7										
8										
9										
10										
11										
12										

39

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		CNCX8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	122	58 10.13 N	162	47.40 W	21	JUN	99	00	21	.	.									41	

SBE 9+		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	#63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	37								✓?	312
2	20								✓	311
3	10									310
4	0								✓	309
5										
6										
7										
8										
9										
10										
11										
12										

Zoo

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX 10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
123	58	4.80 N	162	42.46 W	1	JUN	99	01	07	.	.									37	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Zoo Bio	CHL.	WHIT's NUTR.
1	33						123 01	✓	✓	316
2	20							✓	✓	315
3	10							✓		314
4	0							✓	✓	313
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCXH

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	24	58 9.57 N	162	37.38 W	1	JUN	99	01	54	.	.									37	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1		No Samples								
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		MC X12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
125	58	17.15	N	162	32.70	W	01	JUN	99	02	30	.	.									3526	MC X12

SBE 9+0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	32.9							✓		319
2	20.5							✓	✓	318
3	10.10							✓		317
4	3.1							✓	✓	316
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CACX 13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
126	58	18.86	N	162	27.39	W	01	JUN	99	03	17	.	.									159	CACX13

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	24.9					126 01				
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
127	58	23.45 N	162	22.58 W	91	JUN	99	23	53	.	.									326	CNCX1

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	31.8									323
2	19.5									322
3	10.9									321
4	3.6									320
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCH15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
125	58	28.62	N	152	19.55	W	01	JUN	99	2	45.6	.	.									76	CNCH15

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CACX16

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
129	58	32.36	N	162	12.35	W	01	JUN	99	05	42	.	.									42	CACX16

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	37.6									324
2	30.3									
3	20.3									326
4	11.0									325
5	3.3									324
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX 14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
130	58	37.16	N	162	09.55	W	01	JUN	99	05	54	.	.									35	CNCX14

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
131	58	23.54 N	162	22.47 W	1	JUN	99	16	46	.	.									37	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod
PRI TEMP SN	1771	START DOWN				Didn't do - Steve didn't like the water
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	20									
2	20									
3	20									
4	20									
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	32	58.28.31 N	162	17.56 W	1	JUN	99	17	25	.	.									48	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Dock Prod, key 2
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	20									
2	20									
3	20									
4	20									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	33	58 4.80 N	162	42.32 W	1	JUN	99	21	34	.	.									38	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Pack
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	20									
2	20									
3	20									
4	20									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCXTO

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	13	45 41.84 N	162 42.37 W		1	JUN	99	21	45	.	.									30	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	In Situ prod
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	25									
2	15									
3	0									
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	35	55 4.95 N	162	42.52 W	1	JUN	99	21	56	.	.									40	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Rho's Cast
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	26									
2	26									
3	14									
4	14									
5	12									
6	12									
7	7									
8	7									
9	4									
10	4									
11	0									
12	0									

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		CNEB

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	36	57.33.64 N	163	1.93 W	2	JUN	99	15	11	.	.									51	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS Deck Prod
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	45								3	127
2	30									126
3	20									
4	20									
5	20									
6	20								2	125
7	10									124
8	0									
9	0									
10	0									
11	0								1	123 Red
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNE5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	37	57.28.95	N	163	7.02	W	2	JUN	99	15	56	.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1		No Samples								
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNE6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	138	57	26.59 N	163	9.52 W		2	JUN	99	16	21	.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	47						138 01		✓	132
2	30									131
3	20								✓	130
4	10									129
5	0								✓	128
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNE 7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
139	57	24.30 N	163	12.03 W	2	JUN	99	16	48	.	.									52	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNE9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	140	57 19.15	N	163	16.85	W	2	JUN	99	17	33	.	.									54	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	48								✓	137
2	30									136
3	20								✓	135
4	10								✓	134
5	0								✓	133
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CPE11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
141	57	14.95	N	163	22.00	W	12	JUN	99	18	17	.	.									60	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	54									
2	30									
3	20									
4	10									
5	0									
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CWC12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	42	57 15.90 N	163 35.05 W		2	JUN	99	19	37	.	.									62	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS: Deck Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N _____ ☐ FLUOR S/N _____ ☐ ChlAM S/N _____ ☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	20									
2	20									
3	20									
4	20									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CWC12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	43	57.16.00N	163	34.91 W	2	JUN	99	19	49	.	.									62	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Dry Sulu
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	35									
2	25									
3	15									
4	0									
5	0									
6	0									
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CWCL2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	44	57.10 N	163	34.78 W	2	JUN	99	20	01	.	.									63	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ☐ FLUOR S/N ☐ ChlAM S/N ☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	30									
2	30									
3	20									
4	20									
5	14									
6	14									
7	8									
8	8									
9	5									
10	5									
11	0									
12	0									

145
155

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	45	57.18.19 N	163	32.63 W	2	JUN	99	22	28	.	.									57	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	57						145 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCID

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	14	657.52	N	163	30.14	W	2	JUN	99	22	54	.	.									55	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	147	57.22.88 N	163	27.59 W	2	JUN	99	23	19	.	.									53	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC 8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	48	5725.25	N	16325.09	W		2	JUN	99	23	47	.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	48						148 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	49	57.27.53 N	163	22.61 W	2	JUN	99	00	12	.	.									51	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	150	5729.88	N	163	20.11	W	3	JUN	99	00	37	.	.									50	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	51	57.32.21 N	163	17.61 W	3	JUN	99	01	03	.	.									49	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CWC4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	15	25734.64 N	163	15.10 W	3	JUN	99	0428		.	.									48	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC 3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
153	57	36.85 N	163	12.61 W	3	JUN	99	01	53	.	.									47	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	54	57.39.20 N	163	10.10 W	3	JUN	99	02	18	.	.									47	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNC1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	57.41.51	N	163	7.61	W	3	JUN	99	62	43	.	.									45	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1							157			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNA3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	15	65740.00 N	16322.90 W		3	JUN	99	03	38	.	.									48	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	42								✓	142
2	30									141
3	20								✓	140
4	10									139
5	0								✓	138
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNA5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	157	57.35.38 N	163	27.89 W		JUN	99	1	18	.	.									47	

SBE 9+0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNA6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
158	57	33.08 N	163	30.44 W	3	JUN	99	04	44	.	.									48	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	48						158 31		✓	147
2	30									146
3	20	21.5							✓	145
4	10	10.4								144
5	0	3.3							✓	143
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNA7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	59	57.30.76N	163	32.93W	3	JUN	99	05	12	.	.									49	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	160	5726.11	N	16337.86	W		3	JUN	99	0554		.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	50									157
2	30	30.4								156
3	20	20.7								155
4	10	10.2								154
5	0	3.4								153
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNA11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
161	57	24.45 N	162	42.90 W	3	JUN	99	06	37	.	.									59	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	57									106
2	40								✓	105
3	30									104
4	20								✓	103
5	10									102
6	0								✓	101
7										
8										
9										
10										
11										
12										

2nd time around

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CNCX1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	162	57.43.85 N	163	4.92 W	3	JUN	99	22	44	.	.									46	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Pod
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	25									
2	20									
3	20									
4	20									
5	20									
6	15									
7	0									
8	0									
9	0									
10	0									
11	0									
12										

PG ___ OF ___

CN in listing

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NICX14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	16	59.33.76	N	167	19.00	W	5	JUN	99	16	49	.	.									30	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Zeu. Bio	CHL.	WHIT's NUTR.
1	28							✓		331
2	20									
3	20									
4	20									
5	20							✓	✓	330
6	10							✓		329
7	0							✓	✓	328
8	0									
9	0									
10	0									
11	0									
12										

PG ___ OF ___

Wrong on list

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NICX 12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	64	59.29.08 N	167	24.29 W	5	JUN	99	17	45	.	.									31	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	27							✓		335
2	20							✓	✓	334
3	10							✓		333
4	0							✓	✓	332
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1 CX 12

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	165 59.24 N	167 29.51 W	5 JUN 99	1831	.	.									32	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Zel Bio	CHL.	WHIT's NUTR.
1	28							✓		339
2	20							✓	✓	338
3	10							✓		337
4	0							✓	✓	336
5										
6										
7										
8										
9										
10										
11										
12										

336

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C410

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	16	59.15.13 N	167	39.72 W	5	JUN	99	20	01	.	.									40	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	35									343
2	20	(pos 2)								342
3	10									341
4	0									340
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1CX8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	16	59.44	N	167	44.96	W	5	JUN	99	21	03	.	.									42.	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	37							✓	✓	347
2	20						167 02	✓	✓	346
3	10							✓	✓	345
4	0							✓	✓	344
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		N1CX6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	68	59.80 N	167	50.14 W	5	JUN	99	22	03	.	.									43	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	37							✓		351
2	20							✓	✓	350
3	10							✓		349
4	0							✓	✓	348
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1CX4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	16	59	1.10 N	167	55.37 W		5	JUN	99	23	06	.	.									42	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	39							✓		355
2	20							✓	✓	354
3	10							✓		353
4	0							✓	✓	352
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NICX2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	70	58 56.41 N	168	0.55 W	6	JUN	99	02	10	.	.									42	

SBE 9+0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	40						170 01	✓		359
2	20							✓		358
3	10							✓		357
4	0							✓		356
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NIC 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
171	58	51.80 N	168	5.87 W	6	JUN	99	11	02	.	.									44	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	41							✓	✓	363
2	20							✓	✓	362
3	10							✓		361
4	0							✓	✓	360
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NIC2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	17	25 8.49.26 N	168	8.43 W	6	JUN	99	01	55	.	.									46	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N.C3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
173	58	46.87	N	165	10.98	W	06	JUN	99	2222		.	.									48	N.C3

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	44.5									364
2	20.6									366
3	10.5									365
4	0									364
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		Nick

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
154	58	44.72	N	168	13.65	W	06	JUN	99			.	.									150	Nick

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
175	58	42.38	N	168	16.22	W	06	JUN	99	03	25	.	.									50	N1C5

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	44.6					135 01				352
2	30.6									351
3	19.8									350
4	9.5									369
5	3.0									368
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	76	5840.02 N	168	18.84 W	6	JUN	99	04	10	.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Fluor odd
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NIC7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
177	58	37.74 N	168	21.35 W	6	JUN	99	4	43	.	.									53	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	47								✓	377
2	30							✓		376
3	20							✓	✓	375
4	10							✓		374
5	0							✓	✓	373
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NIC 8

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	17858 35.42 N	146 22.92 W	JUN 99		.	.									5[illegible]	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NIC9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	179	58 33.09	N	168 26.56	W		6	JUN	99	06	07	.	.									58	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	53									
2	40									
3	30									
4	20									
5	10									
6	0									
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	80	5828.42N	168	21.67W	6	JUN	99	07	08	.	.									63	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	57									389
2	40								✓	388
3	30							✓		387
4	20							✓	✓	386
5	10							✓		385
6	0							✓	✓	384
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1E11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
181	58	25.21 N	168	20.93 W	6	JUN	99	15	55	.	.									63	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N ___	☐ FLUOR S/N ___	☐ ChlAM S/N ___		☐ TRANS. S/N ___

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	60									395
2	40								3	394
3	30									393
4	20								2	392
5	10									391
6	0								1	390
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1E9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	12	58 29.90 N	168 15.72 W		6	JUN	99	16	43	.	.									59	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2		No Sample								
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		NIF7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	18	58 34.60 N	168	10.62 W	6	JUN	99	17	25	.	.									56	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	49								6	400
2	30									399
3	20								5	398
4	10									397
5	0								4	396
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1E6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	18	45836.87	N	168	8.02	W	6	JUN	99	17	55	.	.									50	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2		No	Samples							
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N165

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	18	55839.17 N	168	5.44 W	6	JUN	99	18	17	.	.									49	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	46								✓	405
2	30								✓	404
3	20								✓	403
4	10									402
5	0								✓	401
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1E3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
186	58	43.86 N	168	0.30 W	6	JUN	99	19	02	.	.									46	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		N1E1

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	87 5848.56 N	167 55.05 W	6 JUN 99	1940	.	.									44	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N _____	☐ FLUOR S/N _____	☐ ChlAM S/N _____		MAX. DEPTH = m
						☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	39									
2	20									
3	10									
4	0									
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	18	58.81 N	168	5.80 W	16	JUN	99	20	30	.	.									45	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	30									
2	20									
3	20									
4	20									
5	20									
6	10									
7	10									
8	0									
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NLC1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	189	58 52.10 N	168	5.87 W	6	JUN	99	20	48	.	.									45	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Rho's Prod.
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	26									
2	26									
3	17									
4	17									
5	11									
6	11									
7	7									
8	7									
9	4									
10	4									
11	0									
12	0									

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1A1

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	19 55.02 N	168 16.79 W	6 JUN 99	2300	.	.									45	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	42								✓	108
2	30								✓	107
3	20									106
4	0								✓	105
5	X									
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1A3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
191	58	50.27N	168	21.68W	6	JUN	99	23	45	.	.									48	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2		No	Samples							
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1A5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	19	25.8445 N	168	26.87 W	7	JUN	99	0029		.	.									50	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	45								✓	114
2	20								✓	113
3	10									112
4	0								✓	111
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1A6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	35	41.24 N	126	29.56 W	7	JUN	99	00	55	.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1A7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	194	58 40.93 N	168	32.09 W	7	JUN	99	01	19	.	.									53	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	50						194 01		✓	119
2	30									118
3	20								✓	117
4	10									116
5	0								✓	115
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1A9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	195	58 36.14 N	168 37.20 W		7	JUN	99	02	03	.	.									59	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3		No Samples								
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1A11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
196	58	31.58	N	168	72.79	W	07	JUN	99	22	45	.	.									62	1411

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.	
1	59.9										125
2	40.1										124
3	31.2										123
4	20.4										122
5	10.0										121
6	3.2										120
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NIC12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	58	26.00	N	168	37.25	W	04	JUN	99	03	33	.	.									63	NIC12

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	C1									130
2	40.5									129
3	31.4									128
4	21.6									124
5	10.3									126
6	2A									
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
198	58	28.43	N	168	31.85	W	04	JUN	99	04	27	.	.									62	N1C1

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	60.6					19801				137
2	39.8									136
3	31.0									135
4	20.0									134
5	10.1									133
6	3.9									132
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
159	58	33.97	N	168	26.84	W	07	JUN	99	0521		.	.									59	X159

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20	05826.00	N	168	34.32	W	7	JUN	99	14	06	.	.									64	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Terry's Cast
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	10									
2	10									
3	10									
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
201	58	26.02	N	168	34.38	W	7	JUN	99	14	20	.	.									64	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	35									
2	35									
3	35									
4	35									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1 EX 6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
202	59	2.52 N	167	39.35 W	7	JUN	99	23	22	.	.									42	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	25						202 01			
2	25									
3	25									
4	25									
5	25									
6	15									
7	0									
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1 C13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20	35821.36 N	168 39.39 W		8	JUN	99	15	20	.	.									67.	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	63									396
2	50									395
3	40								6✓	394
4	30							✓		393
5	20							✓	5✓	392
6	10							✓		391
7	0							✓	4✓	390
8										
9										
10										
11										
12										

12 in s/m list

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		NLC14

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20 45 16.71 N	168 44.59 W	8 JUN 99	1609	.	.									68	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	65									402
2	50									402
3	40								3	401
4	30							✓		400
5	20							✓	2	399
6	10							✓		398
7	0							✓	1	397
8										
9										
10										
11										
12										

397

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		N1C15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20	58 12.04 N	168	49.70 W	8	JUN	99	17	00	.	.									70	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	65									410
2	50									409
3	40								✓	408
4	30							✓		407
5	20							✓	✓	406
6	10							✓		405
7	0							✓	✓	404
8										
9										
10										
11										
12										

404

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		Tanny 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20	58 18.66 N	169	2.65 W	8	JUN	99	17	53	.	.									71	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	67									417
2	50								✓	416
3	40									415
4	30							✓		414
5	20							✓	✓	413
6	10							✓		412
7	0							✓	✓	411
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		1 ORPY 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20	58	3.87 N	169	19.17 W		5	JUN	99	19	20	.	.									60	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	~~50~~	NOT								
2	40								✓	422
3	30							✓		421
4	20							✓	✓	420
5	10							✓		419
6	0							✓	✓	418
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		1 array 3

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2	0858 5759.13 N	1693 5.93 W	8 JUN 99	2029	.	.									71	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N ____	☐ FLUOR S/N ____	☐ ChlAM S/N ____		☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	105									428
2	50								✓	427
3	30							✓		426
4	20							✓	✓	425
5	10							✓		424
6	0							✓	✓	423
7										
8										
9										
10										
11										
12										

423

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		Terry 4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	20	57.54.52 N	169	52.59 W	8	JUN	99	21	47	.	.									73	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	67									
2	50									
3	40									
4	30									
5	20									
6	10									
7	0									
8										
9										
10										
11										
12										

429

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		Terry 4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	057.54.81	N	169	52.65	W	8	JUN	99	22	01	.	.									73	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Rho's
PRI TEMP SN	1771	START DOWN				Dro
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	50									
2	50									
3	33									
4	33									
5	23									
6	23									
7	14									
8	14									
9	7									
10	7									
11	0									
12	0									

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SPI-11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
211	57	49.05 N	170	15.86 W	7	JUN	99	00	09	.	.									76	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	69									441
2	40								✓	440
3	30									439
4	20								✓	438
5	10									437
6	0								✓	436
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		3P1-9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	57 38.28 N	170	15.86 W	19	JUN	99	01	30	.	.									75	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	69						212 01			447
2	40								✓	446
3	30							✓		445
4	20							✓	✓	444
5	10							✓		443
6	0							✓	✓	442
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SP1-7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	3573 0.14 N	170 15.91 W		9	JUN	99	02	35	.	.									70	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	65									453
2	40								✓	452
3	30							✓		451
4	20							✓	✓	450
5	10							✓		449
6	0							✓	✓	448
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SPI-9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	45738.26 N	170	15.88 W	9	JUN	99	03	43	.	.										

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS: Prod Sm.

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	25									
2	25									
3	25									
4	25									
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		SP1-5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	57.24.47 N	170	15.98 W	09	JUN	99			.	.									705	SP1-5

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2251	AT SURFACE		
SEC COND SN 501			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N ____ ☐ FLUOR S/N ____ ☐ ChlAM S/N ____ ☐ TRANS. S/N ____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	64				220-215-01	~~4215~~				45-9
2	40.4								✓	458
3	29.9							✓		457
4	19.9							✓	✓	456
5	10.5							✓		455
6	3.2							✓	✓	454
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		591-3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2 16	57	19.81	N	170	15.94	W	09	JUN	99	0231		.	.										591-3

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	55								? ✓	464
2	30.2							✓	✓?	463
3	21.0							✓	✓	462
4	10.0							✓		461
5	3.0							✓	✓	460
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
217	54	16.68	N	130	15.88	W	09	JUN	99	09	59	.	.									71	59-2

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	38.2								✓	469
2	30.6							✓		468
3	19.4							✓	✓	467
4	9.9							✓		466
5	2.0							✓	✓	465
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	57.14.04	N	170	15.86	W	09	JUN	99	08	29	.	.									185	1

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.?	WHIT's NUTR.	
1	15							✓	✓	470	Ord ?
2	0							✓	✓	471	
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SP62

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
219	56	53.20	N	120	07.97	W	09	JUN	99	13	21	.	.									825	SP62

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Cast for Calvet?
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SP603

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	57	6.73 N	170	19.93 W	9	JUN	99	1505	.	.									29	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	24							✓	2	474
2	10							✓		473
3	0							✓	1	472
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SP61

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
221	57	0.23 N	130	18.33 W	9	JUN	99	15	54	.	.									65	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	60									480
2	50									479
3	40								5	478
4	30							✓		[illegible]
5	20							✓	4	[illegible]
6	10							✓		476
7	0							✓	3	475
8										
9										
10										
11										
12										

one of these 2 got skipped sorry!

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	56.53.18 N	170	8.15 W	9	JUN	99	17	06	.	.									82	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Prod
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	76									487
2	50									486
3	40								30%	485
4	30							✓		484
5	25									
6	25							Prod.		
7	25									
8	25									
9	20							✓	100%	483
10	10							✓		482
11	0							✓	6	481
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SPG3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	3564 6.15 N	169	57.96 W	9	JUN	99	18	24	.	.									82	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION	REMARKS
PRESS SN # 63503	DATA ON		Tape/Diskette ID / File Name/Header	
PRI TEMP SN 1771	START DOWN			☐ Cleaned air bleed valve
SEC TEMP SN 1772	AT DEPTH			MAX. DEPTH = m
PRI COND SN 2251	AT SURFACE			
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N	☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	74									49
2	40								✓	492
3	30							✓		491
4	20							✓	✓	490
5	10							✓		489
6	0							✓	✓	488
7										
8										
9										
10										
11										
12										

488

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SP64

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	45639.07 N	169	47.75 W	9	JUN	99	19	40	.	.									75	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	72									499
2	40								✓	498
3	30							✓		497
4	20							✓	✓	496
5	10							✓		495
6	0							✓	✓	494
7										
8										
9										
10										
11										
12										

494

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		56SW11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	56.34.25 N	169	44.32 W	9	JUN	99	21	14	.	.									47	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	42								✓	504
2	30							✓		503
3	20							✓	✓	502
4	10							✓		501
5	0							✓	✓	500
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
226	56	26.88	N	169	55.49	W	9	JUN	99	22	33	.	.									102	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	93									510
2	40								✓	509
3	30							✓		508
4	20							✓	✓	507
5	10							✓		506
6	0							✓	✓	505
7										
8										
9										
10										
11										
12										

505

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		56W3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	56 17.47 N	170	6.59 W	19	JUN	99	00	01	.	.									113	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	102						22.7 61		✓	517
2	60								✓	516
3	40								✓	515
4	30							✓		514
5	20							✓		513
6	10							✓		512
7	0							✓	✓	511
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		56SW4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	56.09N	170	17.80W	10	JUN	99	01	37	.	.									127	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	114									526
2	60								✓	523
3	40								✓	522
4	30									521
5	20									520
6	10									519
7	0								✓	518
8										
9										
10										
11										
12										

518

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5 G S W 5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
229	56	0.164 N	170	38.98 W	10	JUN	99	0	30	.	.									2000	

SBE 9+ 0	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN # 63523	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN 501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	506									
2	191									
3	124									
4	75									
5	40									
6	20									
7	0									
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		0651

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
230	56	34.19	N	169	28.75	W	10	JUN	99	08	20	.	.									22	5651

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	05/Feb 1994
PRI TEMP SN	1771	START DOWN				By Coast of Crist
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	15									
2	0									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SGE2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	56 34.19	N	169 19.74	W	0	J	U	N	99	09 28	.	.									67	SGE2

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	63.2					~~169~~ 23101				106
2	39.0									105
3	19.9									104
4	2.1									103
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5553

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	56	34.22	N 169	10.36	W	10	JUN	99	19	28	.	.									81.5	5553

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	45.8									~~110~~
2	39.4									~~109~~
3	29.0									~~108~~
4	20.3									~~107~~
5	3.4									
6										
7										
8										
9										
10										
11										
12										

Duplicate
111
110
109
108
107

~~110~~ ~~107~~
~~109~~ ~~108~~
~~108~~ ~~109~~
~~107~~ ~~108~~

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		S6E4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	56.34.20N	168	52.53W	10	JUN	99	11	52	.	.									107	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	102									116
2	55									115
3	47								✓	114
4	20								✓	113
5	0								✓	112
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix	HX220		5GE5

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
234	5634.17N	16834.41W	10 JUN 99	1315	.	.									114	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	AVE files before this calc. from 10 con 20T ; fixed now
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	112						234 01			121
2	60									120
3	40								✓	119
4	20								✓	118
5	0								✓	117
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
235	56	36.03 N	128	0.26 W	10	JUN	99	15	34	.	.									108	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	102									126
2	60									125
3	40								3✓	124
4	20								2✓	123
5	0								1✓	122
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	56.37.92 N	167	24.76 W	10	JUN	99	17	48	.	.									105	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	NO CHL.	WHIT's NUTR.
1	100									132
2	80									131
3	40									130
4	20									129
5	0									128
6										
7										
8										
9										
10										
11										
12										

~~121~~

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		C23

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	7563	9.74 N	166	51.57 W		10	JUN	99	2209		.	.									92	

98 m 43t

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

133

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	56.41.65 N	166	16.89 W	10	JUN	99	22	18	.	.									82	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	77									136
2	40									135
3	20									134
4	0									133
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
239	56	43.59 N	165	42.61 W	16	JUN	99	00	19	.	.									78	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	72									140
2	40									139
3	25									138
4	0									137
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
240	56	45.30 N	165	8.07 W	11	JUN	99	02	14	.	.									77	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	73						240 01			144
2	40									143
3	20									142
4	0									141
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR/MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
241	56	44.115	N	165	33.78	W	11	JUN	99	2328	.	.									75	CP7

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	40.1									147
2	25.3									146
3	7.6									145
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		MOOR2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	24	56 48.71	N	163	59.39	W	11	JUN	99	06	28	.	.									74	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	71									537
2	40									536
3	27									535
4	24									
5	20									534
6	10									533
7	0									532
8										
9										
10										
11										
12										

Terry Amendment

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		moor2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
243	56	8.62	N	163	59.31	W	1	JUN	99	06	49	.	.									74	moor2

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	Rho's cast
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	36									
2	36									
3	23									
4	23									
5	17									
6	17									
7	9									
8	9									
9	5									
10	5									
11	0									
12	0									

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
24	56	50.58	N	165	27.38	W	1	JUN	99	08	51	.	.									69	CP8

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	63.9									151
2	39.9									150
3	19.4									149
4	2.5									148
5										
6										
7										
8										
9										
10										
11										
12										

? Where is 152?

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		CP 9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
24	55	54.04	N	162	55.44	W	11	JUN	99	10	55	.	.									62	CP9

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	54.4									156
2	39.9									155
3	20.3									154
4	2.2									153
5										
6										
7										
8										
9										
10										
11										
12										

Round Island/offshore

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		RI P

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	46	57.52.16N	159	43.69W	11	JUN	99	22	02	.	.									45	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START.DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1							246 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		R17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	47	57.82 N	159	42.23 W	11	JUN	99	22	44	.	.									44	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1		No	Samples							
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		RI 6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	48	58 51.50 N	159 44.81 W		11	JUN	99	23	30	.	.									40	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		R15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
249	58	12.16	N	159	45.47	W	12	JUN	99	00	19	.	.									36	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1							249 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	25	05818.83	N	159	46.14	W	12	JUN	99	0911		.	.										

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63523	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N _____	☐ FLUOR S/N _____	☐ ChlAM S/N _____		☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		R17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
251	57	58.79 N	159	44.28 W	12	JUN	99	11	05	.	.									45	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	CTD Rosette Cellnet
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		Poet Heiden PH

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
252	57	10.70 N	159	18.38 W	13	JUN	99	0620		.	.									55	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Calvets . 9 6 4

PG ___ OF ___

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMS 11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2503	56	49.94	N	160	40.18	W	03	JUN	99	1442		.	.									65	PMS 11

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	64.1									105
2	40.8									104
3	30.7									
4	20.7									103
5	10.4									102
6	2.4									101
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME9

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	25456 43.90 N	160 33.96 W	13 JUN 99	1226	.	.									69	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1		No	Samples							
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	25	56.39.70 N	160	27.69 W	13	JUN	99	13	14	.	.									64	

SBE 9+0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	59									110
2	40								2	109
3	20								2	108
4	10									107
5	0								1	106
6										
7										
8										
9										
10										
11										
12										

106

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMEL6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	256	52 37.64 N	160	24.55 W	13	JUN	99	13	40	.	.									58	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PMES

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
257	56	35.63N	160	21.21W	13	JUN	99	14	09	.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	49								4	114
2	20									113
3	10									112
4	0								3	111
5										
6										
7										
8										
9										
10										
11										
12										

NL

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
258	56	33.58N	160	18.03W	13	JUN	99	14	33	.	.									46	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
259	56	31.53 N	160	14.83 W	13	JUN	99	1502		.	.									135	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	31						259 01			118
2	20								6	117
3	10									116
4	0								5	115
5										
6										
7										
8										
9										
10										
11										
12										

115

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		PME1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26	56 27.40 N	160	8.50 W	13	JUN	99	15	41	.	.									24	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	20									121
2	10									120
3	0									119
4										
5										
6										
7										
8										
9										
10										
11										
12										

119

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLGB5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26	56 19.81 N	161 21.73 W		13	JUN	99	23	46											62	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN	2251	AT SURFACE				
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSL634

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2	26	56 16.07 N	161 16.53 W		14	JUN	99	2023		.	.									47	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLGB3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
263	56	12.21	N	161	11.47	W	14	JUN	99	2100		.	.									46	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	43						263 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSLGB2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
264	56	8.43	N	161	6.22	W	14	JUN	99	0136		.	.									33	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN	1772	AT DEPTH				
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		NSL6B1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
26	56	4.57N	161	0.97W	14	JUN	99	02	10											22	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		LBC1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
26	16	55	5.73 N	163	51.78 W	14	JUN	99	20	35	.	.								26	1

headline boring days 32

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBC3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
267	55	10.65 N	163	55.62 W	14	JUN	99	21	13	.	.									42	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63523	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1	38						267 01			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5BC4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
268	55	3.05	N	163	57.50	W	14	JUN	99	21	35	.	.									52	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		5Be5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
268	55	15.52 N	163	59.54 W	14	JUN	99	21	58	.	.									57	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N _____	☐ FLUOR S/N _____	☐ ChlAM S/N _____		☐ TRANS. S/N _____

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBC7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
270	55	20.39	N	164	3.51	W	14	JUN	99	22	37	.	.									82	

header says 0

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS Guess
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		6BC9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
271	55	25.28N	164	7.47W	14	JUN	99	23	17	.	.									94	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	Bio	CHL.	WHIT's NUTR.
1	90						27101			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
Alpha Helix		HX220		SBC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
272	55	20.17N	164	11.46W	14	JUN	99	2356		.	.									97	

SBE 9+ 0		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	# 63503	DATA ON		Tape/Diskette ID	File Name/Header	
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2251	AT SURFACE				MAX. DEPTH = m
SEC COND SN	501	☐ PAR S/N	☐ FLUOR S/N	☐ ChlAM S/N		☐ TRANS. S/N

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	Bio	CHL.	WHIT's NUTR.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										