0 Seapoint fluor 2182 7 Altim 28kHz Depths are under keel
2 PAR 4497 | Add 2m
5 Trans

PG ___ OF ___

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		UNY28

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 5 4 3 1 . 2 0 N	1 6 5 3 2 . 5 3 W	2 0 M A Y 0 2	0 3 2 0	.	.									3 0 9	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	Prod Stn.
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2272	AT SURFACE				MAX. DEPTH = 295 m
SEC COND SN 2251	☒ PAR S/N _ 4 4 9 7	☒ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☒ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (Cell counts)
1	295						1-1	1-1			
2	50							1-2		✓	✓
3	50									✓	✓
4	50									✓	✓
5	50									✓	✓
6	0							1-6		✓	✓ filt
7	0									✓	✓
8	0									✓	✓
9	0									✓	✓
10											
11											
12											

bluzoo

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AK Y19

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	42 0.94 N	165	02.13 W	20	MAY	02	21	01	.	.									125	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS: Prod

☐ Cleaned air bleed valve

MAX. DEPTH = 113 m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	113							2-1			
2	30							2-2		✓	
3	30							—		✓	
4	30							—		✓	
5	30							—		✓	
6	5							2-6		✓	
7	5							—		✓	
8	5							—		✓	
9	5							—		✓	
10											
11											
12											

Cell counts

Prod

Other

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		4N Y08

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	. N		. W	22	MAY	02	21	4	.	.									75	ARY14

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	70						03	✓			
2	Sfc							✓			
3	Sfc										
4	Sfc										
5	Sfc										
6											
7											
8											
9											
10											
11											
12											

both filt

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		AL Y14

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
	3	54 03.36 N	166 09.85 W		22	MAY	02	02	11	.	.									75	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (Cell Comb)
1	65						3-1	3-1			
2	Sfc							3-2		✓	↑
3	Sfc									✓	
4	Sfc									✓	
5	Sfc									✓	↓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		Aky 19

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	4 09.16 N	166	30.62 W	22	MAY	02	15	22 (29)	.	.									930	

SBE 9+ 09P-26778-0656	TIMES / JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 6 2 ☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (cell conc)
1	45									✓	↑
2	45									✓	
3	45									✓	
4	45									✓	
5	5									✓	
6	5									✓	
7	5									✓	
8	5									✓	✓
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY19

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	409.22 N	166	30.67 W	22	MAY	02	16	06	.	.									942	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (cell counts)
1	500 ✓						5-1	5-1	✓		✓
2	250 ✓							5-2	✓		✓
3	100 ✓							5-3	✓		✓
4	75 ✓							5-4	✓		✓
5	50 ✓							5-5	✓		✓
6	30 ✓							5-6	✓		✓
7	20 ✓							5-7	✓		✓
8	10 ✓							5-8	✓		✓
9	0	NO	TRIP					~~5-9~~	✓		✓
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY18

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	407.96 N	166	26.40 W	22	MAY	02	16	58	.	.									782	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (Cell Counts)
1	500 ✓							6-1	✓		✓
2	250 ✓							2	✓		✓
3	100 ✓							3	✓		✓
4	75 ✓							4	✓		✓
5	50 ✓							5	✓		✓
6	30 ✓							6	✓		✓
7	20 ✓							7	✓		✓
8	10 ✓							8	✓		✓
9	0	No trip						9	✓		✓
10	0										
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY17

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
	7	54 06.81 N	166 22.42 W		22	MAY	02	17	55	.	.									105	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	[ ] PAR S/N 4 4 9 7	[ ] FLUOR S/N 0 2 1 8 2	[ ] CHLAM S/N _____

REMARKS

[ ] Cleaned air bleed valve

MAX. DEPTH = m

[ ] TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	105						7-1	7-1	✓		✓
2	75							2	✓		✓
3	50							3	✓		✓
4	30							4	✓		✓
5	20							5	✓		✓
6	10							6	✓		✓
7	0							7	✓		✓
8											
9											
10											
11											
12											

6
12

Cell Counts

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		HK716

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
	85	4 05.76 N	146	37.26 W	22	MAY	02	18	37	.	.									88	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N 4 4 9 7	FLUOR S/N 0 2 1 8 2	CHLAM S/N ____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (Cell Comb)
1	85							8-1	✓		—
2	50							2	✓		—
3	30							3	✓		✓
4	20							4	✓		✓
5	10							5	✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

Wlt

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AK415

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
	9540 4.55 N	166 14.07 W	22 MAY 02	1920	.	.									78	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Cell Other	
1	72							9-1	✓		✓	
2	50 ✓							9-2	✓		✓	
3	30 ✓						9-3	3	✓		✓	
4	20 ✓							4	✓		—	filt
5	10							5	✓		✓	filt
6	0							6	✓		✓	filt
7												
8												
9												
10												
11												
12												

Cell Counts

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY14

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	054	03.57 N	166	10.06 W	2	MAY	02	2008		.	.									75	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	Prod stn. + Regular (10m)
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Cell Counts Other
1	70 ✓							10-1	✓		✓
2	50 ✓							10-2	✓		✓
3	30 ✓							10-3	✓		✓
4	20 ✓							10-4	✓		✓
5	20 ✓										
6	20 ✓										
7	20 ✓										
8	0							10-8	✓		✓
9	0	No help									
10	0										
11	0										
12	0										

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		HK Y13

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
11	54 02.35 N	166 06.11 W	22 MAY 02	21 01	.	.									49	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	36						11-1	1	✓		✓
2	30							2	✓		✓
3	20							3	✓		✓
4	10							4	✓		✓
5											
6											
7											
8											
9											
10											
11											
12											

Cell Counts all filt

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY12

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
L2	54	01.15 N	166	01.80 W	22	MAY	02	22	02	.	.									67	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (cell counts)
1	60						12-1	12-1	✓		✓
2	50							2	✓		✓
3	30							3	✓		✓
4	20							4	✓		✓
5	10							5	✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AKY11

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	54	00.00 N	165	57.42 W	22	MAY	02	22	46	.	.									82	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (all counts)
1	75 ✓						13-1	13-1	✓		✓
2	50							2	✓		✓
3	30							3	✓		✓
4	20							4	✓		✓
5	10							5	✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

Filter

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		A1CYLO

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	53.58.74 N	166	53.20 W	22	MAY	02	23	23	.	.									92	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (Cell Count)
1	85						14-1	14-1	✓		✓
2	50							2	✓		✓
3	30							3	✓		✓
4	20							4	✓		✓
5	10							5	✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		HR 7

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
	15 53.55.28 N	165 40.86 W	23 MAY 02	0033	.	.									99	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Cell Count Other
1	95							154	✓		✓
2	75							2	✓		✓
3	50						153	3	✓		✓
4	30							4	✓		✓
5	20							5	✓		✓
6	10							6	✓		✓
7	0							7	✓		✓
8											
9											
10											
11											
12											

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13
6
25

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		Aky 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
	16	53.51.74 N	165	28.46 W	23	MAY	02	01	41	.	.									90	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85						16-1	16-1	✓		✓
2	50							2	✓		✓
3	30							3	✓		✓
4	20							4	✓		✓
5	20										
6	20										
7	20										
8	0							8	✓		✓
9	0										
10	0										
11	0										
12	0										

Cell Counts

filter

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		Aky 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
1	75	48.31 N	165	46.15 W	23	MAY	02	02	55	.	.									125	

SBE 9+ 09P.26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	[X] PAR S/N _ 4 4 9 7	[X] FLUOR S/N _ 0 2 1 6 2	[ ] CHLAM S/N _____

REMARKS

[ ] Cleaned air bleed valve

MAX. DEPTH = m

[X] TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	120						171	171	✓		
2	75							2	✓		
3	50							3	✓		
4	30							4	✓		
5	20							5	✓		
6	10							6	✓		
7	0							7	✓		
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 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
	018	54	05.29	N	166	30.46	W 27	MAY	02	1558		.	.									918	A9/5

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	14										
2	14										
3	14										
4	14										
5											
6											
7											
8											
9											
10											
11											
12											

v1 starting to have 0.101 instead of just 0.00, just on way down, deep

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		4NY30

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 54.33 .65 N	165 48.19 W	25 MAY 02	17 49	.	.									4224	4NY30

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	410						~~19-1~~	19-1			
2	250							2			
3	100							3			
4	75							4			
5	50						19-5	5			
6	30							6			
7	20							7			
8	10							8			
9	0							9			
10											
11											
12											

cell counts all 4NY

filt 8+9

blu300

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		UNY28

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	54.31.24 N	165 39.54 W		25	MAY	02	1900		.	.									307	

SBE 9+ 09P-26778-0656	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	297							204			
2	100							2			
3	75							3			
4	50							4			
5	30							5			
6	30										
7	30										
8	20							8			
9	10							9			
10	5ft							10			
11	5ft										
12	5ft										

filt 8900

No good 5 pot fires

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		4N426

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	54 28.96 N	165 31.16 W		25	MAY	02	20	05	.	.									944	4N426

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85						21-1	21-1			
2	50							2			
3	30							3			
4	20							4			
5	10							5			
6	0							6			
7											
8											
9											
10											
11											
12											

all

} filter

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY23

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	54 25.43 N	165	18.64 W	25	MAY	02	21	12	.	.									157	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	145							22-1	✓		
2	100						22-2	2	✓		
3	75							3	✓		
4	50							4	✓		
5	30							5	✓		
6	20							6	✓		
7	10							7	✓		} filt
8	0							8	✓		
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY20

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
	23 54 22.08 N	165 06.17 W	25 MAY 02	2235	.	.									140	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N 4 4 9 7	☐ FLUOR S/N 0 2 1 8 2	☐ CHLAM S/N ____		☐ TRANS. S/N cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	130							23-1			
2	75							2			
3	~~50~~							3			
4	30							4			
5	20							5			
6	10							6			
7	10							7			
8											
9											
10											
11											
12											

No good spot

fit

Current - didn't get near bottom

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UWY18

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	59.19.82 N	164	58.06 W	26	MAY	02	00	04	.	.										

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	75							1	✓		
2	50							2	✓		
3	30							3	✓		
4	20							4	✓		
5	10										
6	10										
7	10							7	✓		✓
8	10										
9	0										
10	0							10	✓		✓
11	0										
12	0										

Cell counts

Get

Get

Get

Get

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		UNY16

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	54.17.55 N	164	49.83 W	26	MAY	02	01	50	.	.									63	UNY16

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE			MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	55						25-1	25-1			
2	30							2			
3	20							3			
4	10							4			
5	0							5			
6											
7											
8											
9											
10											
11											
12											

Cells

filt

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		UNY14

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	54	19.11	N	76	49	0.96	W	26	MAY	02	03	13		.		.					77	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	75						26-1	26-1			
2	50							2			
3	30							3			
4	20							4			
5	10							5			
6	0							0			
7											
8											
9											
10											
11											
12											

Fed

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		UNY11

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	54 11.62 N	164 28.32 W		26	MAY	02	04	20	.	.									91	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 6 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	80						271	271			
2	50							2			
3	30							3			
4	20							4			
5	10							5			
6	0							6			
7											
8											
9											
10											
11											
12											

Net

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		4N408

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	54.08 N	164	15.83 W	26	MAY	02	05	25	.	.									77	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	70						28-1	28-1			
2	50							2			
3	30							3			
4	20							4			
5	10							5			
6	0							6			
7											
8											
9											
10											
11											
12											

filter

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		4NY05

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	54.04.85 N	164	03.37 W	26	MAY	02	06	29	.	.									67	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251			

REMARKS Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N _ 4 4 9 7 ☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____ ☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	60						29-1	29-1			
2	30							2			
3	20							3			
4	10							4			
5	0							5			
6	0										
7	0										
8	0										
9											
10											
11											
12											

filt 2-5

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TN412

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	51411.09 N	178	24.25 W	29	MAY	02	15	23	.	.									426	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS Prod

☐ Cleaned air bleed valve

MAX. DEPTH = 75 m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	77						301				
2	S										
3	S										
4	S										
5	S										
6	S										
7	S										
8	S										
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TNY01

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
	31	51 25.63 N	177 44.60 W		29	MAY	02	20	40	.	.									1368	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS: Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	40										
2	40										
3	40										
4	40										
5	0						325				
6	0										
7	0										
8	0										
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		T N 721

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	52.04.05 N	117	28.79 W	30	MAY	02	16	49	.	.									~~[illegible]~~	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS 72000 Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

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

Cell counts

5 = 25

150
5) 700
5
25

Temps difference 2°-1° high in middle

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		TNY21

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
	33 52.03.96 N	178 28.82 W	30 MAY 02	17 16	.	.									~~4979~~	

SBE 9+ 09P: 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS (Not sure)
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	>5000
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 6 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other (Cell Counts)
1	500						33-1	33-1	✓		
2	250							2	✓		
3	100							3	✓		
4	75							4			
5	50							5			
6	30							6			
7	20							7			
8	10							8			
9	0							9			
10											
11											
12											

6

PG ___ OF ___

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		TN 318

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	51 56.11 N	178	26.99 W	30	MAY	02	18	50	.	.									2600	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251			

REMARKS from chart

Correct header

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N _ 4 4 9 7 ☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____ ☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500							1			
2	250							2			
3	100							3			
4	75										
5	50										
6	30										
7	20										
8	10										
9	0							9			
10	0										
11							34.0				
12											

Cell Cnt

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		TNY16

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	51.50.43 N	178	28.59 W	30	MAY	02	20	10	.	.									2000	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N 4 4 9 7	FLUOR S/N 0 2 1 8 2	CHLAM S/N _____

REMARKS: 2100

☐ Cleaned air bleed valve

MAX. DEPTH = 750 m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	700							35-1			
2	500							2			
3	250							3			
4	100							4			
5	75							5			
6	50							6			
7	30							7			
8	20							8			
9	10										
10	10							10			
11	0							11			
12											

Cell count

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TN714

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	51 44.86 N	178 30.50 W		30	MAY	02	21	27	.	.									1415	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (Cell Count)
1	750							1			
2	500						36-2	2			
3	250										
4	100										
5	75										
6	50										
7	30										
8	20										
9	10										
10	10										
11	0							✓	1		1
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TNY13

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
3	37	51 42.98 N	178	27.38 W	30	MAY	02	22	44	.	.									809	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS 745 at end

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER (10 good place): SAL	NUTR.	CHL.	PAM	Other
1	730										
2	500										
3	250										
4	100										
5	75										
6	50										
7	30										
8	20										
9	10										
10	10										
11	0										
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TN412

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	51 4 1.26 N	178	24.27 W	30	MAY	02	23	51	.	.									423	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TNY12

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	51.18	N	178	24.48	W	30	MAY	02			.	.									431	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	405						39-1	1			
2	200							2			
3	100							3			
4	75							4			
5	50							5			
6	30							6			
7	20							7			
8	10							8			
9	0										
10	0							10			
11											
12											

NOTE- Nutrients labelled 38

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TUY10

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	5 4 37.83 N	178	17.84 W		MAY	02			.	.									354	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other (Cell Counts)
1	360							1			
2	200							2			
3	100						HP-3	3			
4	75							4			
5	50							5			
6	30							6			
7	20							7			
8	10							8			
9	0										
10	0							10	✓		✓
11											
12											

350

Nakients labelled 39

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		TNY08

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	51.33.95 N	178	41.48 W	31	MAY	02	0255		.	.									245	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N 4 4 9 7	☐ FLUOR S/N 0 2 1 8 2	☐ CHLAM S/N ____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	235						41-1	41-1	✓		
2	100							2	✓		
3	75							3	✓		
4	50							4	✓		
5	30							5	✓		
6	20							6	✓		
7	10							7	✓		
8	0							8	✓		
9											
10											
11											
12											

No fret

N ulterents corrected to say 41

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		NY05

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
	42 51.29.52 N	178 00.57 W	31 MAY 02	0358	.	.									1256	

SBE 9+ 09P-26778-0656	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7 ☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	750							1			
2	500							2			
3	250							3			
4	100						✓	4			
5	75							5			
6	50							6			
7	30							7			
8	20							8			
9	10							9			
10	10										
11	0							11			
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TNY02

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	51 26.71	N	177	48.76	W	31	MAY	02	05	24	.	.									1508	

SBE 9+ 09P:26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500							1	✓		
2	250							2	✓		
3	100							3	✓		
4	75							4	✓		
5	50							5	✓		
6	30							6	✓		
7	20							7	✓		
8	10							8	✓		
9	0						43-9	9	✓		
10											
11											
12											

Cell counts

filter

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		TNX05

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	51 38.916 N	178	08.22 W	31	MAY	02	16	21	.	.									58	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	50						44-1	1			
2	30							2			
3	20							3			
4	10							4			
5	0							5			
6											
7											
8											
9											
10											
11											
12											

Cell count

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		TNX04

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	13 8.12 N	178	11.56 W	31	MAY	02	1	647	.	.									100	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE			MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	90							1			
2	50						45-2	2			
3	30							3			
4	20							4			
5	10							5			
6	0							6			
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TNX03

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
	46 51 36.71 N	178 16.88 W	31 MAY 02	1725	.	.									354	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	300						461	1			
2	250							2			
3	100							3			
4	75							4			
5	50							5			
6	30							6			
7	20							7			
8	10							8			
9	0							9			
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		TN702

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	51 35.27 N	178	21.57 W	31	MAY	02	18	17	.	.										

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	175							1			
2	100							2			
3	75						47-3	3			
4	50							4			
5	30							5			
6	20							6			
7	10							7			
8	0							8			
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		TNX01

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	51 34.09 N	178	26.81 W	31	MAY	02	18	55	.	.									87	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	75							1			
2	50							2			
3	30						48-3	3			
4	20							4			
5	10							5			
6	0							6			
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		S6Y17

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	52.07.25	N	127	30.47	W	2	JUN	02	20	12	.	.									1041	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		SGY17

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
	50 52.27.20 N	173 07.48 W	2 JUN 02	2031	.	.									1045	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS (1054) bottom
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500							1			
2	250							2			
3	100						773	3			
4	75							4			
5	50							5			
6	30							6			
7	20							7			
8	10							8	✓		
9	0							9	✓		
10	0										
11											
12											

120-200 cold layer

self counts

No fish

Winch problems at 335
large 1# p's there

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		S6Y15

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	22.98 N	172	01.76 W	2	JUN	02	21	40	.	.									957	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500							1			
2	250							2			
3	175	180					5	3			
4	100							4			
5	75							5			
6	50							6			
7	30							7			
8	20							8			
9	10							9			
10	0							10			
11											
12											

Cell Counts

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		56Y13

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
	52 52 18.84 N	17 25 6.19 W	2 JUN 02	2246	.	.									576	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	500							52-1			
2	250							2			
3	200							3			
4	100						52-4	4			
5	75							5			
6	50							6			
7	30							7			
8	20							8			
9	10							9			
10	0							10			
11											
12											

filter

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		56Y12

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	52 16.76 N	172 53.42 W		2	JUN	02	23	43	.	.									278	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	265							53-1			
2	100							2			
3	75						53-3	3			
4	50							4			
5	30							5			
6	20							6			
7	10							7			
8	0							8			
9											
10											
11											
12											

Cut counts

270

50

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		36 Y 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
	54	52.74	N	172	50.73	W	3	JUN	02	00	28	.	.									171	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	165							1			
2	100						54-2	2			
3	75							3			
4	50							4			
5	30							5			
6	20							6			
7	10							7			
8	0							8			
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		S6410

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
	55 52.12.63 N	172 48.04 W	3 JUN 02	01 07	.	.									172	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS Prod
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		S6410

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	52 12.11	N	172	48.23	W	3	JUN	02	01	28	.	.									169	

SBE 9+ 09P.26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	155						S6-1	1	1		1
2	100							2	1		1
3	75							3	1		1
4	50							4	1		1
5	30							5	1		1
6	20							6	1		1
7	10							7	1		1
8	0							8	1		1
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		56Y08

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	52.08.67 N	172	42.40 W	3	JUN	02	02	17	.	.									162	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	160							1			
2	100						572	2			
3	75							3			
4	50							4			
5	30							5			
6	20							6			
7	10							7			
8	0							8			
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		S6Y06

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	52.04.48	N	172	36.76	W	3	JUN	02	03	25	.	.									124	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	115							1	/		/
2	75							2	/		/
3	50						58 3	3	/		/
4	30							4	/		/
5	20							5	/		/
6	10							6	/		/
7	0							7	/		/
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		56Y04

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
	59 52.00.38 N	172 31.12 W	3 JUN 02	0431	.	.									142	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	140						59-1	1			
2	100							2			
3	75							3			
4	50							4			
5	30							5			
6	20							6			
7	10							7			
8	0							8			
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		56Y02

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
	60 51 56.24 N	176 25.38 W	3 JUN 02	05 36	.	.									580	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	500							1			
2	250						60-2	2			
3	100							3			
4	75							4			
5	50							5			
6	30							6			
7	20							7			
8	10							8			
9	0							9			
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		56Y00

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	15.52.08 N	172	19.86 W	3	JUN	02	06	52	.	.									1788	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	500										
2	250										
3	100										
4	75										
5	50										
6	30										
7	20										
8	10										
9	0										
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		56Y17

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	22.7.25	N	173	07.50	W	3	JUN	02	17	00	.	.									1041	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	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
RV Alpha Helix		H X 2 5 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
	63	51 5 R.99 N	172	19.84 W	12	JUN	02	01	42	.	.									1787	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		S6X01

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	52	17.21	N	172	40.63	W	4	JUN	02	1605	.	.									117	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	120						64	1			
2	50										
3	0										
4											
5											
6											
7											
8											
9											
10											
11											
12											

Cast to be redone - chasing killer whales

Sam

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		36Y12 ~~36X07~~

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	52116.85 N	172	58.46 W	4	JUN	02	23	25	.	.									297	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS Prod.
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	16										
2	16										
3	16										
4	16										
5	16										
6	16										
7	16										
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		~~[illegible]~~ NAR 56/21

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	52 15.78	N	172	54.32	W	5	JUN	02	06	36	.	.									167	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS Prod
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		56x04

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
	67 52.08.51 N	172 58.28 W	5 JUN 02	0804	.	.									89	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	90							1	✓		
2	50							2	✓		
3	25						63	3	✓		
4	10							4	✓		
5	0							5	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		36X03

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	52 11.45 N	172 52.18 W		5	JUN	02	08	47	.	.									134	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	130							1	✓		✓
2	50						68 32	2	✓		✓
3	25							3	✓		✓
4	10							4	✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		S6702

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
	69 52.14.45 N	172 46.30 W	5 JUN 02	2130	.	.									150	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	145						69-1	69-1	✓		✓
2	50							2	✓		✓
3	25							3	✓		✓
4	10							4	✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		S6X01

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 52.17.43 N	172 40.33 W	5 JUN 02	10 11	.	.									110	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	105						70-1	1	✓		✓
2	50							2	✓		✓
3	25							3	✓		✓
4	10							4	✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AMX05

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
	71	52.21.75	N	172	13.99	W	5	JUN	02	12	25	.	.										

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	300							1	✓		✓
2	150							2	✓		✓
3	50						713	3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		17MX04

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	52.2.71 N	172	02.10 W	5	JUN	02	13	20	.	.									418	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	400						72-1	1	✓		✓
2	(180)							2	✓		✓
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AMX03

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	52.23.69 N	171	52.26 W	5	JUN	02	14	35	.	.									278	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	270						73-1	1	✓		✓
2	150							2	✓		✓
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AMX02

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
	74 52.24.67 N	171 38.17 W	5 JUN 02	1546	.	.									474	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ csl241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	460						74-1	1	✓		✓
2	150							2	✓		✓
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AMX01

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
	75522.50N	1726.33W	5 JUN 02	1653	.	.									390	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251			

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N _ 4 4 9 7 ☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____ ☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	380						75	1	✓		✓
2	150							2	✓		✓
3	50							3	✓		✓
4	25							4	✓		✓
5	10							5	✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

350
25

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		1MY11

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
	76	5229.31	N	1724 8.06	W		6	JUN	02	01	06	.	.									583	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS Prod.
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
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
RV Alpha Helix	H X 2 5 9		AMY17

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	52 45.35 N	171 52.02 W		6	MAY	02	4	02	.	.									804	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME JUN	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		Amy 17

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	52.45.41 N	172.52.11 W		6	JUN	02	05	35	.	.									809	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	400							1	✓		✓
2	150						78-2	2	✓		✓
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		
7											
8											
9											
10											
11											
12											

200

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AM415

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	52	40.05 N	151	50.70 W	6	JUN	02	07	07	.	.									616	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500						79-1	1	✓		✓
2	150							2	✓		✓
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AMY13

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
	8 05 23.70 N	1 71 49.86 W	6 JUN 02	0840	.	.									692	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	500						80-1	1	✓		AA
2	150							2	✓		AA
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AMY 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
	81	52.29.38 N	17148.12 W		6	JUN	02	10	47	.	.									584	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	480							1	✓		
2	150							2	✓		
3	50						81-3	3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AMY09

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 2	5 2 2 4 . 0 4	N	1 7 1 4 6 . 9 2	W		6	J U N	0 2	1 2	5 5	.	.									2 9 7	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	284						82-1	1	✓		
2	150							2	✓		
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		Amy08

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
	83522.31 N	171 46.17 W	6 JUN 02	1358	.	.									259	

SBE 9+ 09P:26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	250						83-1	1	✓		
2	150							2	✓		
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

Not equal S

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		AMY06

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
84	52	15.97 N	171	44.92 W	6	JUN	02	15	20	.	.									374	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	364						84-1	1	✓		
2	150							2	✓		
3	50							3	✓		✓
4	25							4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AMY04

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
																				481	
85	52	10.65 N	17	43.66 W	6	JUN	02	16	45	.	.										

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	475							1	✓		
2	150							2	✓		
3	50							3	✓		✓
4	25							4	✓		✓
5	10						8		✓		✓
6	0						85	6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		

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
	8652 10.61 N	1713 43.79 W	16 JUN 02	1740	.	.										

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS Prod:

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	14										
2											
3											
4											
5											
6											
7	14										
8											
9											
10											
11											
12											

See Tdrift -

Samalga

PG __ OF __

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		SAY16

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	53.05.31	N	169	16.68	W	7	JUN	02	20	40	.	.									1028	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500						87-1	1	✓		
2	150								✓		
3	50							3	✓		✓
4	25										
5	25										
6	25								✓		✓
7	25								✓		✓
8	10							9	✓		✓
9	0										
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		5AY14

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
	88	53 00.19 N	169	22.70 W	7	JUN	02	22	02	.	.									864	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500							1	✓		
2	150						88-2		✓		
3	50							3	✓		✓
4	25								✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

filt

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		SAY 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
	89	52 54.82 N	169 25.44 W		7	JUN	02	23	21	.	.									453	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				☐ TRANS. S/N _ cst241dr
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	430						89-1	1	✓		
2	150								✓		
3	50							3	✓		✓
4	25								✓		✓
5	10								✓		✓
6	0							6	✓		
7											
8											
9											
10											
11											
12											

Cell Counts

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		3AY10

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	52	49.42 N	169	28.11 W	8	JUN	02	01	52	.	.									252	

SBE 9+ 09P.26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	Prod.
PRI TEMP SN 1771	START DOWN				☐ Cleaned air bleed valve
SEC TEMP SN 1772	AT DEPTH				MAX. DEPTH = m
PRI COND SN 2272	AT SURFACE				
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	240							1	✓		
2	150							3	✓		
3	50								✓		✓
4	25										
5	75										
6	215								✓		✓
7	75								✓		✓
8	15	No trip						9	✓		✓
9	10							~~10~~			
10	0	tripped in air									
11											
12											

No sample

2°-1° T high (200-235m) / too fast → 2° thermocline 20

PG __ OF __

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		5A402

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	52.28.17 N	169	21.87 W		JUN	02			.	.									1379	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	5500							1	✓		
2	2150							2	✓		
3	150								✓		
4	50						91-4	4	✓		✓
5	25								✓		✓
6	10								✓		✓
7	0							7	✓		✓
8	0										
9	0										
10	0										
11											
12											

Salt

17 25
12 10

Strong current at depth

PG ___ OF ___

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		5A Y04

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 2 5 2	3 3 . 4 2 N	1 6 9 2	5 . 0 3 W	8	J U N	0 2	1 8	2 7	.	.									5 5 4	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	500							1			
2	150										
3	50							3			
4	25										
5	10										
6	0						✓	6			
7											
8											
9											
10											
11											
12											

150 → 145

200

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		5A Y06

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
	93	5238.69	N	166	27.95	W	8	JUN	02	20	20	.	.									262	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				☐ TRANS. S/N _ cst241dr
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	250						93-1	1	✓		
2	150								✓		
3	50							3	✓		✓
4	25								✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		5A Y08

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 4 5 2 4 3 . 8 0 N		1 6 9 3 1 . 6 4 W		8	J U N	0 2	2 1	2 6	.	.									2 3 1	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	229						94-1	1	✓		
2	100								✓		
3	50	Didn't trip						3	✓		✓
4	25								✓		✓
5	10								✓		✓
6	0							6	✓		✓
7											
8											
9											
10											
11											
12											

100
101

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		SAY 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
	95	5249.41	N	16928.09	W		8	JUN	02	23	06	.	.									252	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	150							1	✓		
2	50							2	✓		✓
3	25								✓		✓
4	10								✓		✓
5	0						✓	5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		SAX05

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	52.541 N	169	37.57 W	9	JUN	02	00	45	.	.										

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	76						961	1	✓		
2	50								✓		
3	25								✓		
4	10								✓		
5	0							5	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		SAx04

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 7 5 2 5	1 . 7 5 N	1 6 9 3 2	. 5 4 W	9	J U N	0 2	0 1 1 8		.	.									1 6 4	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	165						1	1			
2	50										
3	25										
4	10										
5	0							5			
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		SA-X03

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
98	52 50.78 N	169 27.51 W	9 JUN 02	0155	.	.									241	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	230							1			
2	150										
3	50										
4	25						X				
5	10						10				
6	0						10	6			
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		SA-X02

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	52 50.00 N	169 22.68 W		9	JUN	02	24	0	.	.									182	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	180							1	✓		
2	50						992		✓		✓
3	25								✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		8A-X01

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
	100	5248.98 N	16917.89 W			JUN	02			.	.									45	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	40						100	1			
2	0										
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

8

T2-T1 high .3-140m ~~only to~~ ~5m

Umnak

PG ___ OF ___

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		UMY08

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	53	38.09 N	167	45.79 W	10	JUN	02	18	10	.	.										

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N 4 4 9 7	☐ FLUOR S/N 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS: Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ csl241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	493							1			
2	150							2			
3	50										
4	25							4			
5	10						5				
6	0						6				
7	0						7				
8	0										
9	0						~~8~~	9			
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		4MY07

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	25332.66	N	167	39.94	W	10	JUN	02	19	22	.	.									150	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	131							1	✓		
2	50						103	2	✓		
3	25							3	✓		
4	10								✓		
5	0							5	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UMY06

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	35327.32 N	167	39.02 W	10	JUN	02	20	12	.	.									127	

SBE 9+ 09P-26776-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	120							103			
2	50							2			
3	25						103	3			
4	10										
5	0							5			
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		UMY05

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	04 53.23.35 N	167 45.65 W	10 JUN 02	2103	.	.									77	

SBE 9+ 09P:26778-0656	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 3 2 ☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	~~75~~							1	✓		
2	25						104 2	2	✓		
3	10							3	✓		
4	0							4	✓		
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		LMY04

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 53 19.95 N	167 52.31 W		10	JUN	02	21	47	.	.									57	

SBE 9+ 09P.26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 3 2	☐ CHLAM S/N _____

REMARKS: Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	53						105	1	✓		
2	25							2	✓		
3	15							3	✓		
4	15										
5	15										
6	15										
7	0							7	✓		
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UMY03

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
106	53	18.28 N	167	55.46 W	10	JUN	02	22	14	.	.									80	

SBE 9+ 09P-26778-0656	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	35						106	1			
2	0							2			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		UMY02

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	53	12.64 N	167	55.64 W		10	JUN	02	23	08	.	.									70	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	65						107 1	1	✓		
2	25							2	✓		
3	10								✓		
4	0							4	✓		
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		4MY01

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	53	167	55	10	JUN	02	23	56	.	.									90	

SBE 9+ 09P 26778-0656	**TIMES** JD/TIME	**DATA LOCATION**	**REMARKS** Prod
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	81						108	1	✓		
2	20							2	✓		
3	20										
4	20										
5	20										
6	0							6	✓		
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 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
	09	5430.01 N	165	35.33 W	12	JUN	02	14	05	.	.									132	

SBE 9+ 09P 26778-0656	**TIMES**	JD/TIME	**DATA LOCATION**
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS ? Rod

☐ **Cleaned air bleed valve**

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

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

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY15

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	10	54.15 N	166	44.80 W	12	JUN	02	19	15	.	.									90	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS Prod
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY06

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	54.99 N	164	07.65 W	12	JUN	02	23	09	.	.									70	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251			

REMARKS Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N _ 4 4 9 7 ☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____ ☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	65							1	✓		
2	26							2	✓		✓
3	26										
4	26						0				
5	26										
6	10								✓		✓
7	0							7	✓		✓
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		UNY08

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	54.08.23	N	164	16.67	W	12	JUN	02	23	59	.	.									77	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	70						117	1	✓		
2	25							2	✓		✓
3	10								✓		✓
4	0							4	✓		✓
5											
6											
7											
8											
9											
10											
11											
12											

Ret

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UN710

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
113	54	10.46 N	164	24.30 W	13	JUN	02	00	45	.	.									92	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85						113 1	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		NY12

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	12.83 N	164	32.80 W	13	JUN	02	01	37	.	.									112	

SBE 9+ 09P 26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	106						114 1	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY14

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	41.34 N	164	11.09 W		JUN	02			.	.									92	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				☐ TRANS. S/N _ cst241dr
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85						115	1	✓		
2	50								✓		✓
3	25							3	✓		
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		1N 4 1 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
	16	41 7.42 N	164	49.82 W	13	JUN	02	03	12	.	.									60	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				☐ TRANS. S/N _ cst241dr
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	60						116	1			
2	25							2			
3	10							4			
4	0										
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY18

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
	117	54.19.81 N	164	57.84 W	13	JUN	02	03	43	.	.									85	

SBE 9+ 09P.26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	70						117	1			
2	50							3			
3	25										
4	10						118	5			
5	0										
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		4N42D

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
	11 8 54.02.09 N	16 50 6.33 W	13 JUN 02	0431	.	.									140	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				☐ TRANS. S/N _ cst241dr
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	135						118	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

150
80

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY22

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	54.24.38	N	165	14.51	W	13	JUN	02	05	10	.	.									165	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	160						119	1	✓		
2	50								✓		
3	25							3	✓		
4	10								✓		
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		4WY24

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
	120 54.26.68 N	165 22.88 W	13 JUN 02	0608	.	.									146	

SBE 9+ 09P-26778-0656	TIMES JD/TIME	DATA LOCATION	REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		☐ TRANS. S/N _ cst241dr
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____	

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	144						120	1			
2	50										
3	25							3			
4	10										
5	0							5			
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		UNY27

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
121	54	30.10 N	165	35.46 W	13	JUN	02	07	07	.	.									136	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ csl241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	135							1	✓		
2	50								✓		✓
3	25						121 3	3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		ALY16

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
	12254 05.73 N	166 18.12 W	13 JUN 02	1506	.	.									89	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS 1st 13hr S/n
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓		
2	0						122	2	✓		
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		AICY16

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	4 05.79 N	166	18.80 W	13	JUN	02	16	04	.	.									89	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS 2 of 13
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N 4 4 9 7	☐ FLUOR S/N 0 2 1 8 2	☐ CHLAM S/N		☐ TRANS. S/N cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓		
2	0						NO	2	✓		
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		

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
	12454 05.75 N	166 18.09 W	13 JUN 02	1701	.	.									89	

SBE 9+ 09P:26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251			

REMARKS 3 of 13

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ PAR S/N _ 4 4 9 7 ☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____ ☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85							1	✓		
2	0						124	2	✓		
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AKY16

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
12	54 05.73 N	166 18.10 W	13 JUN 02	1802	.	.									89	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS 4 of 13
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓	✓	
2	0							2	✓	✓	
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		M-LY16

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
	12654 05.73 N	16618.11 W	13 JUN 02	1901	.	.									89	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS 50+13
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	85						126	1	✓	✓	
2	0							2	✓	✓	
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		ALY16

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
	1275405.73 N	16618.06 W	13 JUN 02	2002	.	.									88	

SBE 9+ 09P-26778-0656	TIMES JD/TIME	DATA LOCATION	REMARKS 60+13
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓		
2	0							2	✓		
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		AK4116

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	28 54.05.75 N	166 18.10 W	13 JUN 02	2103	.	.										

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS 7 of 13

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	83							1	✓	✓	✓
2	0						123	2	✓	✓	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AKY16

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
129	5405.67 N	16618.18 W	13 JUN 02	2002	.	.									88	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	8 of 13.
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ csl241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓	✓	✓
2	0							2	✓	✓	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		Arg 16

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	30 54.05.69 N	166 18.21 W	13 JUN 02	2301	.	.									89	

SBE 9+ 09P-26778-0656	TIMES JD/TIME	DATA LOCATION	REMARKS 90+13
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2 ☐ CHLAM S/N _____	☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓		
2	0						130 2	2	✓		
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		AK4/16

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
131	54 05.71 N	166 18.26 W	13 JUN 02	0002	.	.									88	

SBE 9+ 09P-26776-0656	TIMES JD/TIME	DATA LOCATION	REMARKS 10 of 13
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE		MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N 4497 ☐ FLUOR S/N 02182 ☐ CHLAM S/N		☐ TRANS. S/N cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other all counts
1	86							1	✓	✓	✓
2	0							2	✓	✓	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		AKY16

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
	1325405.73 N	16618.25 W	14 JUN 02	0102	.	.									89	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS: 110+13.

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85						132	1	✓	✓	✓
2	0							2	✓	✓	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Comb

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		HKY 16

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	54.05.79 N	166	18.19 W	14	JUN	02	20	25	.	.									89	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	120113.
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓	✓	+
2	0							2	✓	✓	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		A1G416

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	54.05.83 N	166	18.19 W	14	JUN	02	03	04	.	.									89	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	PAR S/N _ 4 4 9 7	FLUOR S/N _ 0 2 1 8 2	CHLAM S/N _____

REMARKS

13 of 13

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	87							1	✓	✓	
2	D						134 2	2	✓	✓	
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AKY16

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
	135	54 05.74	N	166	18.24	W	14	JUN	02	04	03	.	.									88	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

14 of 13.

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85							1	✓	✓	✓
2	0							2	✓	✓	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		ALY16

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	54.05.72 N	166	18.21 W	14	JUN	02	05	03	.	.									89	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS 15 of 13

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	84							1	✓	✓	✓
2	D						136 2	2	✓	✓	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AICY16

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	54	05.76 N	166	18.22 W	14	JUN	02	06	02	.	.									90	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	last (16) of 13
PRI TEMP SN	1771	START DOWN				
SEC TEMP SN	1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N 4 4 9 7	☐ FLUOR S/N 0 2 1 8 2	☐ CHLAM S/N		☐ TRANS. S/N csl241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	85							1	✓	✓	✓
2	0							2	✓	•	✓
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY19

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	38 54 09.25 N	166 30.55 W	15 JUN 02	21 55	.	.									938	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	?check DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

50 at 45

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	500							1	✓		
2	150								✓		
3	45							3	✓	✓	✓
4	25						1389	4	✓		✓
5	10								✓		✓
6	0							6	✓		✓
7	0										
8	0										
9	0										
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY 17

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 3 9 5 4 0 6 . 9 0 N	1 6 6 2 2 . 2 5 W	1 5 J U N 0 2	2 3 0 0	.	.									1 0 7	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	102							1	✓		
2	50						139 2		✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY15

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
	1405404.58 N	16614.03 W	15 JUN 02	2352	.	.									77	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	74						140	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY13

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	54 02.25 N	166 05.82 W		16	JUN	02	00	45	.	.									58	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS Prod

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	48						141	1	✓		✓
2	26							2	✓		✓
3	10								✓		✓
4	0							4	✓		✓
5	0										
6	0										
7	0										
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		HKY11

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 4 2 5 3 5 9 . 8 8 N	1 6 5 5 7 . 6 2 W	1 6 J U N 0 2	0 1 3 7	.	.									9 6	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	97						142	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AK109

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	43	53.57.52 N	166	49.39 W	16	JUN	02	02	43	.	.									78	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	74						143	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AK 407

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	53.56.31	N	165	40.97	W	16	JUN	02	02	34	.	.									100	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	95						144	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		AKY05

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
	145	53.53.02N	165	32.79W	16	JUN	02	04	35	.	.									97	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	92							1			
2	50						145 2				
3	25							3			
4	10										
5	0							5			
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AKY03

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
	146	53 50.61	N	165	24.28	W	16	JUN	02	05	29	.	.									98	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	95						146	1	✓		
2	50								✓		✓
3	25							3	✓		✓
4	10								✓		✓
5	0							5	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		A-KY01

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	53.48.36 N	165	15.96 W	16	JUN	02	06	29	.	.									125	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				☐ TRANS. S/N _ cst241dr
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	118							1			
2	50							3			
3	25						1474				
4	10							5			
5	0										
6	0										
7	0										
8	0										
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		AKY01

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
	148	53.48	N	165	16.29	W	16	JUN	02	12	37	.	.									125	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	HX259		KRX07

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	42 6.50	N	160	53 6.44	W	17	JUN	02	21	15	.	.									127	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	0						149				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		KRX06

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	54	25.59	N 165	38.26	W	17	JUN	02	21	37	.	.									1119	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	None										
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		KRx05

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	54 24.70 N	165	40.16 W	17	JUN	02	21	57	.	.									152	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	140						151,				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		KRx04

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 5 2	5 4 2 3 . 8 1	N	1 6 5	2 2 . 1 1	W	1 7	J U N	0 2	2 2	1 9	.	.									1 4 8	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1											
2		None									
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		KRX03

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	35.422	N	165	43.88	W	17	JUN	02	22	39	.	.										

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	0						153				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		1KRx02

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	54.22.13 N	165	45.75 W	17	JUN	02	22	58	.	.									133	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		12Rx01

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	54.21.27	N	165	47.70	W	17	JUN	02	23	20	.	.									125	

SBE 9+ 09P.26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	121						155 1				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		KRx08

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 5 6 5 7 2 7 . 0 4 N	1 6 5 3 3 . 8 2 W	1 8 J U N 0 2	0 1 3 8	.	.									1 0 0	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID	File Name/Header	Fe
PRI TEMP SN 1771	START DOWN				
SEC TEMP SN 1772	AT DEPTH				☐ Cleaned air bleed valve
PRI COND SN 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

None

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		KR409

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	54.28.41	N	165	43.62	W	18	JUN	02	04	25	.	.									358	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	0						157				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		KR408

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
	1585427.55 N	16541.89 W	18 JUN 02	0458	.	.									304	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

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

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		1CR407

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	54	26.62 N	165	40.16 W	18	JUN	02	05	29	.	.									214	

SBE 9+ 09P 26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	PAM	Other
1	0						159				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		KR406

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	54 25.72 N	165 38.36 W		18	JUN	02	05	56	.	.									123	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

Not X

VESSEL	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix	H X 2 5 9		1CR405

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	54	24.83 N	165	36.66 W	18	JUN	02	06	19	.	.									104	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION
PRESS SN 8 6 5 3 1	DATA ON		Tape/Diskette ID / File Name/Header
PRI TEMP SN 1771	START DOWN		
SEC TEMP SN 1772	AT DEPTH		
PRI COND SN 2272	AT SURFACE		
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____

REMARKS

☐ Cleaned air bleed valve

MAX. DEPTH = m

☐ TRANS. S/N _ cst241dr

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

No

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		K2Y04

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	62	54 23.93 N	165	34.92 W	18	JUN	02	06	41	.	.									87	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N 4 4 9 7	☐ FLUOR S/N 0 2 1 8 2	☐ CHLAM S/N		☐ TRANS. S/N cst241dr

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

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		K2Y03

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
	163	5422.90 N	16532.90 W		8	JUN	02	07	06	.	.									137	

SBE 9+ 09P-26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		H X 2 5 9		K2YD2

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
	164	5522.14 N	165	31.38 W	18	JUN	02	07	28	.	.									127	

SBE 9+ 09P-26778-0656		TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN	8 6 5 3 1	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	2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN	2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	PAM	Other
1	127						164				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
RV Alpha Helix		HX259		1C2Y01

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	54 21.30 N	165	29.166 W	18	JUN	02	7	50	.	.									140	

SBE 9+ 09P:26778-0656	TIMES	JD/TIME	DATA LOCATION		REMARKS
PRESS SN 8 6 5 3 1	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 2272	AT SURFACE				MAX. DEPTH = m
SEC COND SN 2251	☐ PAR S/N _ 4 4 9 7	☐ FLUOR S/N _ 0 2 1 8 2	☐ CHLAM S/N _____		☐ TRANS. S/N _ cst241dr

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