PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~210~~ 222	070 1.0m	PMC05

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
131	56	39.80	N	160	12.03	W	02	AUG	99	21	15	11.1		1047			070	15	7	82		52	PMC05

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~X~~ PAR ~~X~~ FLUOR ~~X~~ ChlAM ~~X~~ TRANSMISSOMETER				☐ Cleaned air bleed valve

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	160 1.5	NT1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	32	57.59.20	N	161	18.94	W	05	AUG	99	01	26	9.9		9657			169	20	7	8	2	53	NT01

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

☐ ~~PAR~~ ☐ ~~FLUOR~~ ☐ ~~CHLAM~~ ☐ ~~TRANSMISSOMETER~~ ☐ Cleaned air bleed valve

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~222	160° 1.5m	CNCX17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
133	58	7.18	N	162	07.28	W	05	AUG	99	1534		9.3		.0	5	5	160	18	7	8	2	32	CNCX17

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

[✓] PAR [ ] FLUOR [ ] ChlAM [ ] TRANSMISSOMETER [ ] Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	27									
2	15									
3	0									
4										
5										
6										
7										
8										
9										
10										
11										
12										

11.44 29.3

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	180° 2.0m	CNCX16

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) .	CLOUD TYPE .	WEATHER .	BOTTOM DEPTH (m)	STA. NAME/ID
1	34	58.32 N	162	12.42 W	05	AUG	~~9~~ 99	16	30	8.9		045	5	6	160	22	7	8	2	44	CNCX16

CTD	TIMES	JD/TIME
TYPE & SN	DATA ON	
PRESS SN	START DOWN	
TEMP SN	AT DEPTH	
COND SN	AT SURFACE	
TEMP SN		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

No display at bottle at 15+0

MAX. DEPTH = m

[X] PAR [X] FLUOR [X] ChlAM [X] TRANSMISSOMETER [ ] Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	34									
2	15	15								
3	0	Surf								
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	180° @ 20m	CNCX15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE JD= MO	DATE JD= YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
135	58	28.07	N	162	17.38	W	05	AUG	99	17	22	8.5			0	5	6	140	20	7	8	2	47	CNCX15

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	Transfer Std
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

☒ PAR ☒ FLUOR ☒ ChlAM ☒ TRANSMISSOMETER ☐ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	41.6									
2	20									
3	0									
4										
5										
6										
7										
8										
9										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~222	188 2.0m	CNCX14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE JD= MO	DATE JD= YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
136	58	23.45 N	162	22.35 W	06	AUG	9~~8~~9	07	33	8.4	.	05	5	6	160	21	7	8	2	~~36~~	NCX14

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

99

37

☒ PAR ☒ FLUOR ☒ ChlAM ☒ TRANSMISSOMETER ☐ Cleaned air bleed valve

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~210~~ 222	210° 2.0	CNCX13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	37	58	18.73 N	122	7.48 W	0	5	AUG	9~~8~~99	~~19~~ 20	~~32~~ 32	8.2		05	5	4	150	19	7	8	2	31	CNCX13

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~	~~FLUOR~~	~~ChlAM~~	~~TRANSMISSOMETER~~	Cleaned air bleed valve

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	240° 2.0	CNCX12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	38	58.14.17	N	162	32.44	W	05	AUG	99 ~~98~~	21	27	8.1		06	5	6	150	20	7	8	2	36	

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~CHLAM~~ ~~TRANSMISSOMETER~~		Cleaned air bleed valve		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	30									
2	15									
3	0									
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	210° 2.0m	CNCX11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	39	58.50 N	162	37.35 W	05	AUG	99	22	21	8.0	.	06	5	6	150	17	7	8	2	38	CNCX11

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~CHTAM~~ ~~TRANSMISSOMETER~~				Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	31.6									
2	15									
3	0									
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~222	210°2.0m	CNCX10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
140	58	04.85	N	161	42.33	W	05	AUG	99	22	16	7.8		0	64	7	150	15	7	8	2	37	CNCX10

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	☒ PAR ☒ FLUOR ☒ ~~CHAM~~ ☒ TRANSMISSOMETER ☐ Cleaned air bleed valve				

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~ 222	216° 1.5 nm	CNCX08

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
																	*	*	*		
	14	58.19 N	162	47.29 W	05	AUG	99	23	11	7.8	.	0644	6	15	0	15	7	8	2	41	CNCX08

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	☒ PAR ☒ FLUOR ☒ CHTAM ☐ TRANSMISSOMETER				☐ Cleaned air bleed valve

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~210~~ 222	210° 1.5	CNCX05

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	42	57.53	N	162	54.78	W	06	AUG	99	00	17	7.8		0647			150	13	7	8	2	45	CNCX05

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~CHLAM~~ TRANSMISSOMETER		Cleaned air bleed valve		

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~210~~ 222	210° 1.5	CNCX03

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
148	57	48.61	N	162	59.85	W	06	AUG	99	01	16	7.8	.	0647	/	58	16	782				45	CNCX3

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

~~PAR~~ ~~FLUOR~~ ~~CHLAM~~ ~~TRANSMISSOMETER~~ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	42.8									
2	20									
3	0									
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	210° 1.5	CNCX01

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET 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	44	57.43	N	126	04.88	W	06	AUG	99	02	02	7.7		04	4	7	150	18	7	8	2	46	CNCX01

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

PAR ~~FLUOR~~ CHLAM ~~TRANSMISSOMETER~~ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA SALINITY	SAMPLE BOTTLE NUMBER SAL.	NUTR.	CHL.	WHIT's NUTR.
1	42.4									
2	20									
3	0									
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~222	210° 1.5	CNCOZ

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	57	38.97	N	163	09.76	W	06	AUG	99	02	54	7.7	.	0	6	7	140	16	7	8	2	47	CNCOZ

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	Brady's
PRESS SN	START DOWN				micro200
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~ChlAM~~ ~~TRANSMISSOMETER~~		Cleaned air bleed valve		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA SALINITY	SAMPLE BOTTLE NUMBER SAL.	NUTR.	CHL.	WHIT's NUTR.
1	41.9									
2	20									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~215~~222	210° 1.5	CNCO4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	46	54	37.78	N 123	17.89	W	06	AUG	99	06	07	7.7		0642			160	15	7	8	6	78	CNCO4

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~ChlAM~~ ~~TRANSMISSOMETER~~		Cleaned air bleed valve		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1						4.222 14601				
2	19.8									
3	2.4									
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	210 1.5	CACO6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	47	57.29.86	N	163	19.92	W	06	AUG	99	05	53	7.7	.	0756			100	18	7	8	6	5960	CACO6

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~ChlAM~~ ~~TRANSMISSOMETER~~				Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	43.0									
2	26.4									
3	2.4									
4										
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~ 222	210° 1.5	CAC04

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
															.	.			.	.	.		
1	48	52	71.47	N 163	22.55	W	06	AUG	99	06	29	7.7		07		6	160	16	7	8	6		51 CHK 02

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	☒ PAR ☒ FLUOR ☒ CHLAM ☒ TRANSMISSOMETER				☐ Cleaned air bleed valve

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	210° 1.5	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	49	52	5.20 N	163	28.99	W	06	AUG	99	20	06	7.7	.	0746	1	6	160	16	7	8	6	51	C1C08

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ☐ PAR ~~FLUOR~~ ☐ FLUOR ~~CHLAM~~ ☐ CHLAM ~~TRANSMISSOMETER~~ ☐ TRANSMISSOMETER ☐ Cleaned air bleed valve				

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	49.6					~~49~~ H3333 49.01				
2	30.8									
3	19.9									
4	2.1									
5										
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~ 222	200°1.5	CNC09

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	57 22.79 N	163 24.55 W		06	AUG	99	20	49	8.1	.	07	5	6	160	17	7	8	2	52	CNC09

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

☒ PAR ☒ FLUOR ☒ ChlAM ☒ TRANSMISSOMETER ☐ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	48.5									
2	29.2									
3	20.0									
4	11.3									
5	2.4									
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~210~~222	2000, 1.5	CAC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57°	20.59'																					
151	~~20~~	~~59~~.	N	163	29.90	W	06	AUG	99	~~08~~	18	8.1		0	7	5	160	18				54	CAC10

CTD	TIMES	JD/TIME
TYPE & SN	DATA ON	
PRESS SN	START DOWN	
TEMP SN	AT DEPTH	
COND SN	AT SURFACE	
TEMP SN		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

MAX. DEPTH = m

☐ PAR ☐ ~~FLUOR~~ ☐ ~~CHAM~~ ☐ ~~TRANSMISSOMETER~~ ☐ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	51.5									
2	29.6									
3	20.3									
4	11.1									
5	1.4									
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~ 222	2001-5	CRC 12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	15.94	N	163	34.90	W	09	AUG	~~98~~ 99	09	18	8.1		0075			160	19				62	CRC12

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~GhtAM~~ ~~TRANSMISSOMETER~~ ☐ Cleaned air bleed valve				

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	58.7				/	HX222 1520 1				
2	29.9									
3	20.7									
4	10.4									
5	3.6									
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	200° 1.5	CALC 13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
153	54	11.28	N	163	39.84	W	06	AUG	99	18	13	8.1	.	08	5		160	15			2	65	CALC 13

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

☒ PAR ☒ FLUOR ☒ ChlAM ☒ TRANSMISSOMETER ☐ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	60.6									
2	29.0									
3	19.4									
4	10.7									
5	2.3									
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~210~~ 222	200°1.5	CNC 14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	54	57.06	N	163	44.83	W	06	AUG	99	17	18	8.1		1018.5			160	18			2	68	CNC14

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

☒ PAR ☒ FLUOR ☒ ChlAM ☒ TRANSMISSOMETER ☐ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	62.8									
2	31.3									
3	21.4									
4	10.6									
5	2.7									
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~222	200° 1.5-	CAC 15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	15	55	70 1.96 N	163	99 80	W	06	AUG	99 ~~98~~	12	~~22~~	8.1	.	085	.	5	160	18			2	69	CAC 15

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

~~PAR~~ ~~FLUOR~~ ~~ChlAM~~ ~~TRANSMISSOMETER~~ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	67.7					HX222 15501				
2	31.1									
3	20.4									
4	11.1									
5	2.8									
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	2001-5	CAC16

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE .	VISIBILITY .	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
156	56	54.29	N	123	59.84	W	06	AUG	99	1326		8.1		0884			160	15			2	40	CAC16

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~X~~ PAR ~~X~~ FLUOR ~~X~~ CHAM ~~X~~ TRANSMISSOMETER		☐ Cleaned air bleed valve		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	65.9									
2	30.3									
3	20.4									
4	9.4									
5	2.4									
6										
7										
8										
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	210° 1.5	Moor 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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~~7~~	56	48.80	N	164	01.72	W	06	AUG	9~~8~~	14	50	8.5		0	95	6	210	20	7	8	2	43	M002

CTD	TIMES	JD/TIME 99	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~	~~FLUOR~~	~~CHLAM~~	TRANSMISSOMETER	Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	41.5									
2	30.6									
3	20.3									
4	10									
5	10									
6	10									
7	11.4									
8	2.2									
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~ 222	210° 1.5	Moor 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE JD= MO	DATE JD= YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	50	56 48.92	N	163	59.88	W	06	AUG	99	15	03	8.5		0954	6	2	10	29	7	8	2	53	M2

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	☑ PAR ☑ FLUOR ☑ ChlAM ☑ TRANSMISSOMETER		☐ Cleaned air bleed valve		

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	2 2 0 C.5	CNC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE JD= MO	DATE JD= YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET 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	57	18.~~25~~ N	163	32.~~56~~ W	06	AUG	9~~8~~	~~21~~	~~58~~	.	.	1014	4	4	210	17	7	8	4	58	CNC11

CTD		TIMES		DATA LOCATION		REMARKS
	23		43 JD/TIME 99 2210			
TYPE & SN		DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN		START DOWN				
TEMP SN		AT DEPTH				
COND SN		AT SURFACE				MAX. DEPTH = m
TEMP SN						

~~X~~ PAR ~~X~~ FLUOR ~~X~~ CHTAM ~~X~~ TRANSMISSOMETER ☐ Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	30									
2	20									
3	16									
4	10									
5	10									
6	10									
7	10									
8	5									
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~213~~ 222	210° 1.5m	CNC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
160	57	18.25	N	163	32.46	W	06	AUG	99	22	39	17.6		11	5	4	210	19	7	8	4	58	CNC11

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	RHO'S
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	☐ PAR ☑ FLUOR ☑ CHLAM ☑ TRANSMISSOMETER ☐ Cleaned air bleed valve				

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	210° 1.5 m	CNC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE •	VISIBILITY •	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) •	CLOUD TYPE •	WEATHER •	BOTTOM DEPTH (m)	STA. NAME/ID
	16	57	18.15 N	163	32.39 W		06	AUG	99	23	20	7.6	.	11		5	210	18	7	8	4	58	CNC11

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	Brady
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN	~~PAR~~ ~~FLUOR~~ ~~ChlAM~~ ~~TRANSMISSOMETER~~ Cleaned air bleed valve				

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

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX~~219~~ 222	210° 1.5	CNC11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE JD= MO	DATE JD= YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
162	57	18.14 N	163	32.48 W	06	AUG	99	23	38	8.1		11	5	6	210	18	7	8	2	58	CNC11

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	DATA ON		Tape/Diskette ID	File Name/Header	Deans
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				MAX. DEPTH = m
TEMP SN					

☐ ~~PAR~~ ☐ ~~FLUOR~~ ☐ ~~CHLAM~~ ☐ ~~TRANSMISSOMETER~~ ☐ Cleaned air bleed valve

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