VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1C×3

CON SC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	02	58 19.63 N	158 11.78 W		04	JUN	98	04	24	.	.									18	D1C×3

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	p5040 (50405)	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501	AT SURFACE	
TEMP SN	t1391 (41123)		

DATA LOCATION		REMARKS
Tape/Diskette ID	File Name/Header	

MAX. DEPTH = m

[X] PAR	[X] FLUOR	[ ] 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.	HPLC	Other
1	18							329			
2	5							328			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIR

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
10	58 33.13N	158 25.66W	04 JUN 98	0556	.	.									15	DIR

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	Dean's
PRESS SN	50405 p5040	START DOWN				Revie
TEMP SN	t1390	AT DEPTH				Wake
COND SN	c501	AT SURFACE				MAX. DEPTH = m
TEMP SN	4 1123 t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A12

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN D SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPT H	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
1	025746.63N	158 59.33W	04 JUN 98	18 19	.	.								44	D1A12

7 didn't fire

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	N15 + Deck prob.
PRESS SN 50455 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 ¢1123	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	17										
2	17										
3	17										
4	17										
5	17										
6	17										
7	5										
8	5										
9	5										
10	5										
11	5										
12	5										

No hup

7 1st

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		A1A12

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1	035746.72N	158964W	04 JUN 98	1847	.	.									4401	A12

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 50455 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN 4 1123 t1391	[X] PAR [X] FLUOR [ ] ChlAM [X] TRANSMISSOMETER [ ] Cleaned air bleed valve				

7 did not Fire

POS	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Other
1	41										
2	30							337	✓		
3	20							336	✓		
4	18							335			
5	16										
6	10							334			
7	3							333	✓	✓	
8	5										A115
9	5										
10	5										
11											
12											

No hip

11

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCX17

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	·	·	·	(m)	
1	04 58 37.44 N	16 20 86.4 W	05 JUN 98	14 36	.	.									34	CNCX17

CTD	TIME	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	1st Cast Cape Newenham
PRESS SN 5040 5045 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] ChlAM [X] TRANSMISSOMETER				Cleaned air bleed valve

Deck Pond

Calvet

POS	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Other
1	31						104 01	340	✓		✓
2	20 ✓										
3	20 ✓										
4	20 ✓										
5	20 ✓							340			
6	10 ✓							339			
7	0 ✓							338	✓	✓	
8	0 ✓										
9	0 ✓										
10	0 ✓										
11	0										
12											

No Free

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCx16

CON SC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SP D. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	05	58	32.75 N	162	12.37 W		JUN	98		15	29	.	.									42	16

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 5045	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c561 ¢ 1123	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391					

[X] FAR [X] FLUOR [ ] 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.	HPLC	Other
1	39							346	✓		
2	30							345			
3	20							344			
4	10										
5	10							343			
6	0							342	✓		
7											
8											
9											
10											
11											
12											

39 42 9 3

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CalCOFI 15

CON SC 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 SP D. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	1065828.06 N	1627.35 W	05 JUN 98	1616	.	.									46	15

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	p5040 5405	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501 #1123	AT SURFACE	
TEMP SN	t1391		

DATA LOCATION		REMARKS
Tape/Diskette ID	File Name/Header	

Calvet

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	DOC Other
10	1	43 ✓					1061	351	✓		
11	2	30 ✓						350			
12	3	20 ✓						349			
1	4	10 ✓						348			
2	5	0						347	✓		
3	6										
4	7										
5	8										
6	9										
7	10										
	11										
	12										

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC×14

CON SC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SP D. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	07	58.234	N 122	22.36	W 03	JUN	98	1705												36	

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	p5040 (5045)	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501	AT SURFACE	
TEMP SN	t1391 (4123)		

DATA LOCATION		REMARKS
Tape/Diskette ID	File Name/Header	

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
3	1 31							358	✓		
4	2 20							354			
5	3 10							353			
6	4 0							352	✓		
7	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCX13

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	58 18.74 N	162 27.34 W	8 JUN 98	17 48	.	.									30	

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 (50405)	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 (c1123)	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] ChlAM [X] TRANSMISSOMETER [ ] Cleaned air bleed valve				

Calvet

POS	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	HPLC	Other
1	28							/	✓		
2	28							356			
3	10							357			
4	0							356	✓		
5											
6											
7											
8											
9											
10											
11											
12											

7 8 9 10

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CWCx12

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	10958 14.08 N	122 32.39 W	5 JUN 98	1836	.	.									35*	

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID / File Name/Header	
PRESS SN p5040 50405	START DOWN		
TEMP SN t1390	AT DEPTH		
COND SN c501	AT SURFACE		MAX. DEPTH = m
TEMP SN t1391 4 1123	[X] PAR [X] FLUOR [ ] 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.	PLC	Other
11 1	31							362	✓		
12 2	20							361			
1 3	10							360			
2 4	0							359	✓		
3 5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCX11

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN D SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPT H	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
	11058094 3N	162 37.42 W	05 JUN 98	19 19	.	.								35	

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 50405 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN 41123 t1391	[X] PAR [X] FLUOR [ ] ChlAM [X] TRANSMISSOMETER [ ] Cleaned air bleed valve				

Calvet

POS	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL	HPLC	Other
3 1	33						110 121	366	✓		
4 2	20							365			
5 3	10							364			
6 4	0							363	✓		
7 5											
6											
7											
8											
9											
10											
11											
12											

Pa

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		Case 10

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1 1	5 8 0 4 1 N	1 6 2 4 9 . 9 0 W	0 5 J U N 9 8	2 0 1 8	.	.									3 7	

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 (5045)	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 (1123)	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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	HPLC	Other
1	31								✓		
2	31							376			
3	20							369			
4	10							368			
5	0							367	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCX8

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	12 58 00.19 N	162 47.42 W	05 JUN 93	21 01	.	.								39	

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod
PRESS SN	50465 p5040	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c501	AT SURFACE				MAX. DEPTH = m
TEMP SN	41123 t1391	[X] PAR [X] FLUOR [ ] ChAM [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.	CH...	HPLC	DOC Other
12	1	34					117 01	374	✓	✓	
1	2	20 ✓						373			
2	3	20 ✓						372			
3	4	20 ✓						371			
4	5	20									
5	6	10									
6	7	0							✓	✓	
6	8	0									
7	9	0									
9	10	0									
10	11	0									
	12										

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CN CX8

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN D SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPT H	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
1	35 06.49 N	124 5.52 W	05 JUN 98	21 26	.	.								37	

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 5645	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391 4 1123	[X] PAR [X] FLUOR [ ] ChlAM [X] TRANSMISSOMETER [ ] Cleaned air bleed valve				

In Situ Cast to 20m Only

POS	TRIP DEPTH	CTD CONVERTED MON TOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	In Situ Other
1	20										
2	15										
3	10										
4	5										
5	1										
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCX6

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1	14 57 55.5 N	162 52.40 W	05 JUN 98	23 58	.	.									43	CNCX6

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 (50405)	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 (¢1123)	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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	HPLC	Other
3 1	40							371	✓		
4 2	30							378			
5 3	20							377			
6 4	10							376	✓		
7 5	0							375	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCx4

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	11557.50.91 N	162573.6W	06 JUN 98	0245	.	.									41	CNCK4

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID File Name/Header	
PRESS SN p5040 50405	START DOWN		
TEMP SN t1390	AT DEPTH		
COND SN c501	AT SURFACE		MAX. DEPTH = m
TEMP SN t1391 ¢ 1123	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other DOC
1	39						115 01	383	✓		
2	20							382			
3	10							381			
4	0							380	✓		
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC x 2

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1	16 57.46 N	163 02.25 W	05 JUN 98	01 37	.	.									45	CNC x 2

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID File Name/Header	
PRESS SN p5040 5040	START DOWN		
TEMP SN t1390	AT DEPTH		
COND SN c501	AT SURFACE		MAX. DEPTH = m
TEMP SN t1391 4 1123	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
12 1	41							388	✓		
1 2	30							387			
2 3	20							386			
3 4	10							385			
4 5	0							384	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNAII

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	17 57 21.38 N	163 42.90 W	06 JUN 98	08 10	.	.									57	CNAII

header says 55
57

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 (5040?)	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c501	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391 (¢ 1123)	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
8	1 53							394	✓	✓	
6	2 40							393			
17	3 30							392			
18	4 20							391	✓		
9	5 10							390			
10	6 0							389	✓	✓	
	7										
	8										
	9										
	10										
	11										
	12										

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNA9

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	18 57 26.04 N	163 38.00 W	06 JUN 98	09 00	.	.									99	CNA9

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 50405	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 ¢1123	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
12	1	40						399	✓		
10	2	30						398	✓		
9	3	20						397			
8	4	10						396			
3	5	0						395	✓		
	6										
	7										
	8										
	9										
	10										
	11										
	12										

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNA7

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	1 1 9 5 7 3 0 . 7 8 N	1 6 3 3 2 . 9 3 W	0 6 JUN 9 8	0 9 5 1	.	.									4 9	CNA7

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 50405	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391 $1123	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	45							404	✓		
2	30							403			
3	20							402			
4	10							401			
5	0							400	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNA6

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	12 57 33.09 N	163 30.48 W	06 JUN 98	1021	.	.									47	CNA6

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 (50455)	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c501 (1123)	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391					

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	43						130 01	409	✓		
2	30							408			
3	20							407			
4	10							406			
5	0							405	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNA5

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
	12 57 35.44 N	163 27.9 W	06 JUN 98	10 52	.	.									47	CNA5

46

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 50405	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391 $1123	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	43							414			
2	30							413			
3	20							412			
4	10							411			
5	0							416			
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNA3

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
	12257401 4N	163228 6W	06 JUN 98	1140	.	.									46	CNA3

46

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 50465 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 ¢ 1123	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1A 1	42							419	✓		
8 2	30							418			
9 3	20							417			
10 4	10							416	✓		
11 5	0							415			
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC1

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
	23574.58 N	16307.48 W	06 JUN 98	1247	.	.									44	CNC1

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 (50405)	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c501	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391 (¢1123)	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	42							424	✓	✓	
2	30							423			
3	20							422			
4	10							421			
5	0							420	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC2

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	CLOUD TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1	24 57.39.20 N	163 09.95 W	06 JUN 98	1338	.	.									45	CNC2

44

CTD	TIMES JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID	File Name/Header	
PRESS SN 50465 p5040	START DOWN			
TEMP SN t1390	AT DEPTH			
COND SN c501	AT SURFACE			MAX DEPTH = m
TEMP SN ¢1123 t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
5 1	43							429	✓		
6 2	30							428			
7 3	20							427			
8 4	10							426			
9 5	0							425	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC3

CON SC 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 SP D. (m/s)	CLOUD (am)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	12557.85 N	163 12.40 W	06 JUN 98	1413	.	.									47	CNC3

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID / File Name/Header	
PRESS SN p5040 50405	START DOWN		
TEMP SN t1390	AT DEPTH		
COND SN c501	AT SURFACE		MAX. DEPTH = m
TEMP SN t1391 ¢ 1123	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
10 1	45							434	✓		
4 2	30							433			
12 3	20							432			
4 4	10							431	✓		
5 5	0							430	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC4

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (ami)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
	12657 34.5 N	163 14.91 W	06 JUN 98	1455	.	.									47	CNC4

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 50405 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN 4123 t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	45 ✓							434	✓		
2	30 ✓							438			
3	20							437			
4	10							436			
5	0							435	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC5

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)				(m)	
1	27 57 32.19 N	163 17.37 W	06 JUN 98	1528	.	.									47	CNC5

CTD	TIMES	JD/TIME
TYPE & SN SB911+	DATA ON	
PRESS SN 5040 p5040	START DOWN	
TEMP SN t1390	AT DEPTH	
COND SN c501	AT SURFACE	
TEMP SN $ 1123 t1391		

DATA LOCATION		REMARKS
Tape/Diskette ID	File Name/Header	

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	47						127 51	444	✓		
2	30							443			
3	20							442			
4	10							441			
5	0							440	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC6

CON SC 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 B'LB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	28	57.29 N	163	19.91 W	06	JUN	98	1615		.	.								49	

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 (50405)	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c501	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391 (& 1123)	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	45							449	✓		
2	30							448			
3	20							447			
4	10							446			
5	0							445	J		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC 7

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1	29 57.27 S	163 22.42 W	06 JUN 98	16 46	.	.									50	CNC 7

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 5465 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 ¢ 1123	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] ChlAM [X] TRANSMISSOMETER				[ ] Cleaned air bleed valve

POS	TRIP DEPTH	CTD CONVERTED MONITOP VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Other
1	46							454	✓		
2	30							453			
3	20							452			
4	10							451	✓		
5	0							450	✓		
6											
7											
8											
9											
10											
11											
12											

134
123

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC8

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
	13 05 72 5.18 N	163 24.97 W	06 JUN 93	1729	.	.									50	CNC8

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 (5040?)	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 (¢1123)	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	47							459	✓		
2	30							458			
3	20							457			
4	10							456	✓		
5	0							455			
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC9

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)				(m)	
1	31 57 22.87 N	163 27.45 W	06 JUN 98	17 58	.	.								51	CNC9

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID / File Name/Header	
PRESS SN 50405 p5040	START DOWN		
TEMP SN t1390	AT DEPTH		
COND SN c501	AT SURFACE		MAX. DEPTH = m
TEMP SN ¢1123 t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	DOC Other
1	49							464	✓		—
2	30							463			
3	20							462			✓
4	10							461			
5	0							460	✓		—
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC10

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	32	720.55 N	1	6330.20 W	0	6	JUN 98	1	829	.	.									53	CNC10

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 5040ST	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c501	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391 4 1123					

[X] PAR [X] FLUOR [ ] CHAM [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.	HPLC	Other
1	50							469	✓		
2	30							468			
3	20							467			
4	10							466			
5	0							465	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNCII

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIN D SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPT H	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1	33 57 18.17 N	163 32.50 W	06 JUN 98	1910	.	.									52	

header says 55

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 50405 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 c1123	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	DOC Other
1	52 ✓							475	✓		
2	40 ✓							474			
3	30 ✓							473			
4	20							472			
5	10							471		✓	
6	0							470	✓		
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC12

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
1	34 57.88 N	163 50.00 W	06 JUN 93	1942	.	.								60	CNC12

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 50405 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501	AT SURFACE				MAX. DEPTH = m
TEMP SN 4 1123 t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	55							481			
2	40							480			
3	30							479			
4	20							478			
5	10							477			
6	0							476			
7	0										
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNE11

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	35	57.00 N	163	22.38 W	01	JUN	98	21	11	.	.									56	

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 (50405)	START DOWN				
TEMP SN	t1390	AT DEPTH				
COND SN	c501	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391 (41123)					

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	52							487	✓		
2	40							486			
3	30							485			
4	20							484			
5	10							483			
6	0							482	✓		
7											
8											
9											
10											
11											
12											

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNE9

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)	*	*	*	(m)	
1	34 57.62 N	163 17.17 W	06 JUN 98	21 58	.	.										CNE9

CTD	TIMES	JD/TIME
TYPE & SN SB911+	DATA ON	
PRESS SN p5040 5040ST	START DOWN	
TEMP SN t1390	AT DEPTH	
COND SN c501	AT SURFACE	
TEMP SN t1391 4 1123		

DATA LOCATION	
Tape/Diskette ID	File Name/Header

REMARKS

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	47						1361	492			
2	30							491	✓		
3	20							490			
4	10							489			
5	0							488	✓		
6											
7											
8											
9											
10											
11											
12											

47=44
30=27

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNEP

CON SC 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 SP D. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	13 7 57 21.97 N	163 14.65 W	06 JUN 98	2231	.	.									49	CNEP

CTD	TIMES	JD/TIME
TYPE & SN SB911+	DATA ON	
PRESS SN p5040 (5045)	START DOWN	
TEMP SN t1390	AT DEPTH	
COND SN c501 (& 1123)	AT SURFACE	
TEMP SN t1391		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	45							497			
2	40							496	✓		
3	30							495			
4	20							494			
5	10							493	✓		
6	~~5~~										
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNE7

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIN D SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPT H	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)				(m)	
1	38 57 24.3 N	163 12.13 W	06 JUN 98	23 00	.	.									50	CNE7

CTD	TIMES	JD/TIME
TYPE & SN SB911+	DATA ON	
PRESS SN p5040 (50405)	START DOWN	
TEMP SN t1390	AT DEPTH	
COND SN c501 (4 1123)	AT SURFACE	
TEMP SN t1391		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	46							502			
2	30							501	✓		
3	20							500			
4	10							499			
5	0							498	✓		
6											
7											
8											
9											
10											
11											
12											

45-41
30

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNES

CON SC 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
	39	57.29.00 N	163	07.08 W	06	JUN	98	23	52	.	.									47	CNES

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	5040 p5040	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501	AT SURFACE	
TEMP SN	& 1123 t1391		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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	HPLC	Other
1	43							507	✓		
2	30							506			
3	20							505			
4	10							504			
5	0							503	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNE3

CON SC 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 SP D. (m/s)	CLOUD (amt)	CLOUD TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	44	57.33 N	163	20.8 W	07	JUN	98	0938		.	.									47	CNE3

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	50465 p5040	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501	AT SURFACE	
TEMP SN	4 1123 t1391		

DATA LOCATION	
Tape/Diskette ID	File Name/Header

REMARKS

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	44							512	✓		
2	30							511			
3	20							510			
4	10							507			
5	0							508	✓	✓	
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNE48

CON SC 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
	41 57 56.96 N	166 36.97 W	07 JUN 98	1700	.	.									4100	CNE48

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	Deck Prod
PRESS SN 50405 p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 & 1123	AT SURFACE				MAX. DEPTH = m
TEMP SN t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	17										
2	17										
3	17										
4	17										
5	17										
6	5										
7	5										
8	5										
9	5										
10	5										
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC9

CON SC 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 SP. D. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	14 25 72 2.62 N	163 27.60 W	0 JUN 98	20 23	.	.									51	

08 Jun 23:42
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CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	p5040 (5040T)	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501 (& 1123)	AT SURFACE	
TEMP SN	t1391		

DATA LOCATION

Tape/Diskette ID	File Name/Header

REMARKS

Deck Pmd (Header says 1m sthel)

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	27										
2	27										
3	27										
4	27										
5	5										
6	5										
7	5										
8	5										
9											
10											
11											
12											

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC9

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
1	43 57.81 N	163 27.73 W	16 JUN 98	2042	.	.								51	CNC9

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	In Situ Pwd
PRESS SN	p5040 (50405)	START DOWN				to 30 m
TEMP SN	t1390	AT DEPTH				
COND SN	c501 (c1123)	AT SURFACE				MAX. DEPTH = m
TEMP SN	t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	20										
2	15										
3	10										
4	5										
5	5 ✓										
6	5 ✓										
7	5 ✓										
8	5 ✓										
9											
10											
11											
12											

4 of 5
for Sean

Fluor (5) = 0.27 to 0.39

Seabird reads 2.4-2.6

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC14

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
	44 57 06.62 N	163 45.05 W	11 JUN 98	01 49	.	.								65T	

CTD	TIMES JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON _____	Tape/Diskette ID	File Name/Header	Deke Pond
PRESS SN 50455 p5040	START DOWN _____	_____	_____	
TEMP SN t1390	AT DEPTH _____	_____	_____	
COND SN c501	AT SURFACE			MAX. DEPTH = m
TEMP SN ¢1123 t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	18										
2	18										
3	18										
4	18										
5	5										
6	5										
7	5										
8	5										
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CWC14

CON SC 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 SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	45	06.76 N	163	45.29 W	11	JUN	98	02	09	.	.								65	

CTD	TIMES	JD/TIME
TYPE & SN SB911+	DATA ON	
PRESS SN p5040 (50405)	START DOWN	
TEMP SN t1390	AT DEPTH	
COND SN c501	AT SURFACE	
TEMP SN t1391 (¢ 1123)		

DATA LOCATION	Tape/Diskette ID	File Name/Header

REMARKS:

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	61							519			
2	50						1450 2	518			
3	40							517			
4	30							516	✓		
5	20							515			
6	20							514	✓	✓	
7	10							513			
8	0										
9	0								✓	✓	
10											
11											
12											

Note Fluorometer on SBE cast. Cleaned File HX20930.ASC

x21 CNC9 Dean

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC13

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIN D SP D.	CLOUD (amt)	TYPE	WEATHER	BOTTO M DEPT H	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)		(deg)	(m/s)	*	*	*	(m)	
	14657.27N	16340.02W	1 JUN 98	0305	.	.								63	

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID File Name/Header	
PRESS SN 5C4C5 p5040	START DOWN		
TEMP SN t1390	AT DEPTH		
COND SN c501	AT SURFACE		MAX. DEPTH = m
TEMP SN 4 1123 t1391	[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	59							527			
2	50							526			
3	40							525			
4	30							524	✓		
5	20							523			
6	10							522			
7	0							520	✓		
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC12

CON SC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE: JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SP D. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	14	57.92 N	163	35.02 W	11	JUN	98	03	54	.	.									60	CNC12

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	p5040 (5045)	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501	AT SURFACE	
TEMP SN	t1391 (& 1123)		

DATA LOCATION		REMARKS
Tape/Diskette ID	File Name/Header	

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	56							533			
2	40							532			
3	30							531			
4	20							530			
5	10							529			
6	0							528	✓		
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CWC11

CON SC 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 SP D. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	48	57.825 N	163	32.43 W	1 1	JUN	98	04	22	.	.									57	CNC11

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	p5040 (5045)	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501	AT SURFACE	
TEMP SN	t1391 (4123)		

DATA LOCATION		REMARKS
Tape/Diskette ID	File Name/Header	

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	53							539			
2	40							538			
3	30							537	✓		
4	20							536			
5	10							535			
6	0							534	✓		
7											
8											
9											
10		✓									
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		CNC10

CON. SC 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 SP D. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
1	49	57.57 N	163	30.08 W	1	JUN	98	04	47	.	.									54	CNC10

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	50405 / 05040	START DOWN	
TEMP SN	11390	AT DEPTH	
COND SN	2501	AT SURFACE	
TEMP SN	11391		

DATA LOCATION		REMARKS
Tape/Diskette ID	File Name/Header	

MAX. DEPTH = m

[X] PAR [X] FLUOR [ ] 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.	HPLC	Other
1	50						1491	545			
2	40							544			
3	30							543	✓		
4	20							542			
5	10							541			
6	0							540	✓		
7											
8											
9											
10											
11											
12											