VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMA5

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) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	59	56.43.97N	160	03.22W	29	MAY	98	21	20	.	.									54	PMA5

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SE911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 t123	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	50							229	✓		
2	40							228			
3	30							227			
4	20							226			
5	10							225			
6	0							224	✓		
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMA6

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
	51 56 46.01 N	160 06.36 W	29 MAY 98	21 44	.	.									52	PMA6

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SBE911+	DATA ON	Tape/Diskette ID / File Name/Header	Deck prod
PRESS SN p5040	START DOWN		water
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

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	12 ✓										
2	12 ✓										
3	12 ✓										
4	12 ✓										
5	12 ✓										
6	5 ✓										
7	5 ✓										
8	5 ✓										
9	5 ✓										
10	5 ✓										
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMA7

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)	
52	56	46.04 N	160	9.52 W	29	MAY	98	22	24	.	.									59	PMA7

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 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				

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	57							235			
2	40.5							234			
3	30.3							233			
4	20.3							232	✓		
5	10.3							231			
6	1							230	✓		
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMA9

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)	
	53 56.19 N	160 15.83 W	29 MAY 98	23 08	.	.									68	PMA9

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID / File Name/Header	
PRESS SN 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		

POS	PRI. DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	HPLC	Other
1	65.6						053	241			
2	49.8							240			
3	30.5							239			
4	21.0							238	✓		
5	10.7							237			
6	2.1							236	✓		
7											
8											
9											
10											
11											
12											

8
20

PG ___ OF ___

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMA11

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
	54	56.35 N	160	22.24 W	29	MAY	98	23	54	.	.									69	PMA11

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040	START DOWN				
TEMP SN t1390	AT DEPTH				
COND SN c501 t123	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	62.9							247	✓		
2	40.6							246			
3	30.6							245			
4	19.7							244	✓		
5	10.1							243			
6	2.4							242	✓	✓	
7	2.1										
8											
9											
10											
11											
12											

HPLC 0 20

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMC11

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)	
	55 56.52 N	160 31.0 W	30 MAY 98	23 37	.	.									67	PMC11

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	Deckpcod
PRESS SN 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				

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	160 ✓										
2	160 ✓										
3	160 ✓										
4	160 ✓										
5	160 ✓										
6	5 ✓										
7	5 ✓										
8	5 ✓										
9	5 ✓										
10	5										
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMC11

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
	56 56 52.7 N	160 30.5 W	30 MAY 98	2348	.	.									67	PMC11

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	in situ prod. to 20m
PRESS SN 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				

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	21										
2	20										
3	15										
4	10										
5	5										
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		PMC4

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
	57 56.37 N	160 09.27 W	21 MAY 98	0215	.	.									47	PMC4

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	Deck Pods
PRESS SN 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

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	25										
2	25										
3	25										
4	25										
5	25										
6	0										
7	0										
8	0										
9	0										
10	0										
11											
12											

VESSEL: Alpha Helix | PROJECT & LEG: HX209 | STATION DESIGNATION: DMC 4

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 56 37.67 N	160 09.02 W	31 MAY 98	2200	.	.								47	

Trans after cast

CTD
TYPE & SN: SB911+
PRESS SN: p5040
TEMP SN: t1390
COND SN: c501 (c 1723)
TEMP SN: t1391

TIMES (JD/TIME)
DATA ON: ____
START DOWN: ____
AT DEPTH: ____
AT SURFACE

DATA LOCATION
Tape/Diskette ID | File Name/Header

REMARKS: ~~SAMPLE~~ deck Pond
4,513 Volts
0,00 Volts

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	23										
2	23										
3	23										
4	23										
5	23										
6	5										
7	5										
8	5										
9	5										
10	5										
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A0

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)	
5	9 5 2 4.6 N	1 5 8 2 3.9 W	02 JUN 98	0324	.	.										D1A0

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 & 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	DOC Other
1	20										✓
2	~~25~~ 20							252	✓		
3	~~10~~ 15							251			
4	~~5~~ 10							250	✓		
5	~~0~~ 5							249			
6	0							248	✓	✓	✓
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A1

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
	60 58 13.02 N	158 33.93 W	02 JUN 98	0506	.	.									29	D1A1

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 (5046)	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	DUC Other
1	25						060 (21)	257	✓		✓
2	20							256	✓		
3	15							255			✓
4	10							254			
5	0							253	✓		✓
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A2

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)	
	61 58 10.60 N	158 36.25 W	02 JUN 98	0539	.	.									D1A2

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID / File Name/Header	
PRESS SN p5040 (50403)	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 (plankton)
1	27							2601	✓		L
2	20							2602			
3	10							2599			
4	0							2598	✓		←
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A3

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)	
	62 58.14 N	158 38.60 W	02 JUN 98	0602	.	.									32	D1A3

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	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	30						0602 01	266	✓		
2	20							265			
3	10							264			
4	0							263	✓		
5											
6											
7											
8											
9											
10											
11											
12											

Nx N plankton

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIA4

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)	
	63 58.05.75 N	158 40.94 W	02 JUN 98	0629	.	.								33	DIA4

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	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	DUC + Other
1	30 ✓							269	✓		
2	20 ✓							268			
3	10							267			
4	0							266	✓		
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIA5

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)	
	64 58.293 N	152 43.19 W	02 JUN 98	0651	.	.									36	DIA5

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN p5040 5C4C5	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	DX + Other
1	33 ✓						0641	273	✓		
2	20 ✓							272			✓
3	10 ✓							271			
4	0							270	✓		✓
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A6

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)	
	65 58 0.95 N	15 8 45.49 W	02 JUN 98	07 18	.	.									35	D1A6

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 (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	3,24						065 01	277	✓		DIC Blank
2	20							276			
3	10							275	✓		
4	0							274			
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DA7

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
	66 57 58.58 N	158 47.84 W	02 JUN 98	0739	.	.									35	DA7

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				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Doc # Other
1	31							281	✓		
2	20							280			
3	10							279			
4	0							278	✓	✓	
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1 A8

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)	
	67 57 56.22 N	158 50.11 W	02 JUN 98	0804	.	.									34	D1 A8

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	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	31 ✓						067 01	✓	✓	✓	
2	31 ✓							285			
3	20 ✓							284			
4	10 ✓							283			
5	0 ✓							282			
6	0 ✓								✓	✓	
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A9

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)	
	68 57 53.78 N	158 52.4 W	02 JUN 98	0829	.	.								39	D1A8

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				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Other DOC+
1	35 ✓							289	✓		
2	20 ✓							288			
3	10 ✓							287			
4	0 ✓							286	✓		
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A10

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)	
	69 57 50.40 N	158 54.74 W	02 JUN 98	0856	.	.								39	D1A10

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 (4123)	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	36						069 21	293	✓		
2	30							292			
3	10							291			
4	10							296	✓		
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A11

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)	
	70	57.49 N	158	56.88 W	02	JUN	98	09	19	.	.									40	D1A11

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	p5040 50465	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	Doc Other
1	37							297	✓		
2	20							296			
3	10							295	✓		
4	0							294	✓		
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A12

CON SC CAST #	LATITUDE	LONGITUDE	DATE (GMT)	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)	
	71 57 46.69 N	158 59.29 W	02 JUN 98	0947	.	.									41	D1A12

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 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

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	38						071	302	✓		
2	30							301			
3	20							300	✓		
4	10							299			
5	0							298	✓		
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A13

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)	
	72 57 4.27 N	159 01.43 W	08 JUN 98	1012	.	.									44	A13

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	50405 p5040	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				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Other DOC
1	40							305	✓		
2	20							304			
3	0							303	✓		
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1A14

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)	
	73 57.41 .86 N	159 03.76 W	02 JUN 98	1038	.	.									44	D1A14

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				

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						077	308	✓		
2	30							307			
3	0							306	✓		
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		

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
74		.	N		.	W	J	U	N	9	8		.		.									

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2 June 20:10 GMT
4.574 40.000

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	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											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		Dock

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)	
	75 57 49.22 N	159 11.63 W	02 JUN 98	2207	.	.									42	Dock

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	Dock Pond
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				

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	16										
2	16										
3	16										
4	16										
5	16										
6	5										
7	3										
8	5										
9	5										
10	5										
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1C15

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)	
76	57 36.38 N	158 53.15 W	03 JUN 98	0823	.	.									43	D1C15

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 & 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	40						076 01				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC14

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 SP D. (m/s)	CLOUD (amt) *	CLOUD TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	77 57 38.80 N	158 50 93 W	03 JUN 98	0850	.	.									44	DIC14

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 [ ] 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		No Samples									
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC13

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)	
	78 57.41.13 N	158 48.67 W	03 JUN 98	0915	.	.								42	DIC13

42

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				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Other
1	38						073 01				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		D1C12

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)	
	79 57 43.5 N	158 46.3 W	03 JUN 98	0942	.	.								41	D1C12

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID File Name/Header	
PRESS SN p5040 (SC4CST)	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 [ ] Cleared 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		NO Samples									
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC11

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)	
P	0 5 7 4 5 . 9 9	N 1 5 8 4 4 . 0 6	W 0 3 J U N 9 8	1 0 0 8	.	.									4 2	D I C 1 1

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	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	37						080 01				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC10

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)	
	8 57 48.41 N	158 41.75 W	03 JAN 98	1042	.	.									40	DIC10

CTD		TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN	SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN	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

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		DIC9

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)	
	82 57 50.80 N	152 39.49 W	03 ~~MAY~~ JUN 98	11 05	.	.									38	DIC9

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 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				

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		DIC2

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)	
	8 35 7 53.23 N	158 37.21 W	03 MAY 98	11 29	.	.									35	DIC2

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID File Name/Header	
PRESS SN 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		

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	32						083 01				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC7

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)	
	84 57 55.60 N	168 34.90 W	03 MAY 98	1152	.	.									31	DIC7

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID File Name/Header	
PRESS SN p5040	START DOWN		
TEMP SN t1390	AT DEPTH		MAX. DEPTH = m
COND SN c501	AT SURFACE		
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											
2			No Samples								
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC6

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)	
	85 57 57.98 N	158 2.57 W	03 ~~MAY~~ JUN 98	12 15	.	.									32	DIC6

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 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				

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	30						081				
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC5

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)	
8	65 80 0.39 N	158 30.20 W	03 JUN 98	1238	.	.									35	DIC5

CTD	TIMES	JD/TIME
TYPE & SN SB911+	DATA ON	
PRESS SN p5040	START DOWN	
TEMP SN t1390	AT DEPTH	
COND SN c501	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											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC4

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)	
	8752.72N	15227.98W	03 JUN 98	1259	.	.									32	DIC4

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 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		DIC3

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)	
	8 5 8 0 5.2 4 N	1 5 8 2 5.6 9 W	J U N 9 8	1 3 2 0	.	.								3 7	

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	Other
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC2

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)	
8	9 5 8 0 7.6 3 N	1 5 8 2 3.3 6 W	0 3 J U N 9 8	1 3 4 1	.	.									2 8	D I C 2

CTD	TIMES	JD/TIME
TYPE & SN SB911+	DATA ON	
PRESS SN 50403 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				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		D1C1

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)	
	90 58.10 N	158 20.96 W	02 JUN 98	1402	.	.									25	D1C1

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN SB911+	DATA ON		Tape/Diskette ID	File Name/Header	Deck Pond
PRESS SN 5040 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	Other
1	24 ✓										
2	24 ✓										
3	24 ✓										
4	24										
5	24										
6	5 ✓										
7	5 ✓										
8	5										
9	5										
10	5										
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC 6

CON SC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND D 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)	
	91 57 58.04 N	158 32.43 W	04 JUN 98	0111	.	.								32	DIC 6

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 [ ] 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	29						091	310			
2	5							309			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DLC5

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)	
	52 58 00.5 N	158 32 0.13 W	04 JUN 98	0134	.	.									32	DLC5

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 [ ] 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	30							312			
2	5							311			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC4

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)	
	93 58 02.82 N	158 27.94 W	04 JUN 98	0157	.	.									32	DIC4

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.	HPLC	Other
1	30							314			
2	5							313			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC3

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)	
9	7 5 8 0 5.2 6 N	1 5 8 2 5.6 1 W	0 4 J U N 9 8	0 2 2 0	.	.									3 2	DIC4

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

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	29							316			
2	3							315			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC2

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
95	58	7.66N	158	23.5W	4	JUN	98	02	40	.	.									28	DIC2

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

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	23							318			
2	5							317			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC1

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)	
	9 6 S 8 1 0.0 6 N	1 5 8 2 1.0 6 W	4 J U N 9 8	0 3 2 3	.	.									2 5	DIC1

CTD	TIMES JD/TIME	DATA LOCATION	REMARKS
TYPE & SN SB911+	DATA ON	Tape/Diskette ID File Name/Header	
PRESS SN p5040 (5245)	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							096 21	320			
2								319			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DICO

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)	
	57 58 12.43 N	158 18.67 W	04 JUN 98	0323	.	.									24	DICO

CTD		TIMES	JD/TIME
TYPE & SN	SB911+	DATA ON	
PRESS SN	p5040 (5040)	START DOWN	
TEMP SN	t1390	AT DEPTH	
COND SN	c501 (c1123)	AT SURFACE	
TEMP SN	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	22							/		✓	
2	22							322			
3	5							321			
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DLCY1

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. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	9858 14.29 N	158 16.42 W	04 JUN 98	0345	.	.									220	DLCY1

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

POS	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PR. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	HPLC	Other
1								324			
2								323			plankton (Dean)
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION
Alpha Helix		HX209		DIC42

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)	
	9958 17.24 N	158 14.02 W	04 JUN 98	0404	.	.									32	DIC42

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 [ ] 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	19										
2	9										
3	3										
4											
5											
6											
7											
8											
9											
10											
11											
12											