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VESSEL		PROJECT & LEG		STATION DESIGNATION													
Alpha Helix		HX219-222		PC8													
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN									*	*	(m)	
310554.42 N	16841.73 W	18 AUG 99	2034	9.1				172.42			004					160	PC8
CTD	TIMES	JT/TIME	REMARKS														
TYPE & SN	DATA ON		Tape/Diskette ID File Name/Header														
PRESS SN	START DOWN																
TEMP SN	AT DEPTH																
COND SN	AT SURFACE		MAX. DEPTH = m														
TEMP SN																	
TRIP DEPTH																	
POS.																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
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VESSEL		PROJECT & LEG		STATION DESIGNATION																									
Alpha Helix		HX219 222		270° 0.5° AP22																									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID											
	DEG	MIN	DEG	MIN	DAY														MO	YR	HR	MIN	SEC						
313	5406.33	N	16620.30	W	18	AUG	99	17	14	17	23	0	0	0	0	4	94	AP22											
CTD		TIMES		JD/TIME		DATA LOCATION													REMARKS										
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header																							
PRESS SN		START DOWN																											
TEMP SN		AT DEPTH																											
COND SN		AT SURFACE																	MAX. DEPTH = m										
TEMP SN																													
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		PAR		FLOOR		CHAM		TRANSMISSOMETER		Cleaned air bleed valve		SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER									
																SALINITY				SAL.				NUTR.		CHL		WHIT'S NUTR.	
1																													
2																													
3																													
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VESSEL		PROJECT & LEG		STATION DESIGNATION																		
Alpha Helix		HX219-222		A-P25																		
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN														HR	MIN			
317	54	02.8	5N	16	07.8	9W	18	AUG	98	99	18	58	7.9	17.1	3	100	03	4	58	58		
CTD		TIMES		JD/TIME		DATA LOCATION													REMARKS			
TYPE & SN		DATA ON				Tape/Diskette ID		File Name/Header														
PRESS SN		START DOWN																				
TEMP SN		AT DEPTH																				
COND SN		AT SURFACE																		MAX. DEPTH = m		
TEMP SN										<input type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input type="checkbox"/> CHAM		<input type="checkbox"/> TRANSMISSOMETER		<input type="checkbox"/> Cleaned air bleed valve				
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																				
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA													SAMPLE BOTTLE NUMBER		WHIT's NUTR.	
1	53.1																					
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

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VESSEL		PROJECT & LEG		STATION DESIGNATION																	
Alpha Helix		HX249 222		A 227																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPO. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR
319	540	103	N	166	01	50	W	18	AUG	98	19	52	8.9	17.3	0	4	33	AP27			
CTD		TIMES		JD/TIME		DATA LOCATION												REMARKS			
TYPE & SN		DATA ON				Tape/Diskette ID												File Name/Header			
PRESS SN		START DOWN																			
TEMP SN		AT DEPTH																			
COND SN		AT SURFACE																MAX. DEPTH = m			
TEMP SN																					
TRIP DEPTH						PAR		FLUOR		CHLOR		TRANSMISSOMETER		Cleaned air bleed valve							
POS.		CTD CONVERTED MONITOR VALUES																SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY													SALINITY		SAL. NUTR. CHL. WHIT'S NUTR.	
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
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VESSEL		PROJECT & LEG		STATION DESIGNATION	
Alpha Helix		HX210 222		AP30	
CONSC CAST #	5359.29	LONGITUDE		-1655.72	
DEG	MIN	DEG	MIN		
325	52.0	N	16.6		
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229		090	
DATE JD=		TIME (GMT)		WIND SPD.	
18 AUG 99		2229		4	
DATE JD=		TIME (GMT)		WIND DIRN.	
18 AUG 99		2229			























VESSEL		PROJECT & LEG		STATION DESIGNATION								
Alpha Helix		HX240-222		100° 6.0								
COONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WET BULB	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
3355	09.12 N	166.29.40 W	19 AUG 99	0830	8.2	1156	100	158	72	982	AP19	
CTD		JD/TIME		DATA LOCATION		REMARKS						
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header						
PRESS SN		START DOWN										
TEMP SN		AT DEPTH										
COND SN		AT SURFACE				MAX. DEPTH = m						
TEMP SN												
TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		Cleaned air bleed valve						
POS.		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER					
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												



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VESSEL		PROJECT & LEG		STATION DESIGNATION	
Alpha Helix		HX20-222		Ap 13.S	
COUNCIL CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)
398	54 07 .96 N	166 55 .54 W	19 AUG 99	08 40	WET BULB (°C)
CTD	TIMES	JT/TIME	DATA LOCATION File Name/Header		
TYPE & SN	DATA ON				
PRESS SN	START DOWN				
TEMP SN	AT DEPTH				
COND SN	AT SURFACE				
TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA
POS.	PAR	FLUOR	CHIAM	TRANSMISSOMETER	Cleaned air bleed valve
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE NUMBER
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

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VESSEL		PROJECT & LEG		STATION DESIGNATION																				
Alpha Helix		HX219-222		AP23.S																				
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (m/s)	CLD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN				
3705404.96N	166	58.88	19	AUG	99	08	00	03	8.5	0.94	13	01	4	2	82	AP23.S								
CTD		TIMES	JDTIME	DATA LOCATION															REMARKS					
TYPE & SN		DATA ON	Tape/Diskette ID	File Name/Header																				
PRESS SN		START DOWN																						
TEMP SN		AT DEPTH																						
COND SN		AT SURFACE																						
TEMP SN																			MAX. DEPTH = m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI TEMP.	SEC. TEMP.	SALINITY													SALINITY	SAL	NUTR	CHL	WHIT'S NUTR		
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

VESSEL		PROJECT & LEG		STATION DESIGNATION															
Alpha Helix		HX219-222		130° 0.5' 2123.5															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN								(m)		
34154	4	96	N	66	15	53	W	19	AUG	99	8	5	0	93	130	1	2	82A223	
CTD	TIMES		JD/TIME		DATA LOCATION														
TYPE & SN	DATA ON		Tape/Diskette ID		File Name/Header														
PRESS SN	START DOWN																		
TEMP SN	AT DEPTH																		
COND SN	AT SURFACE				MAX. DEPTH = m														
TEMP SN					Cleaned air bleed valve														
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER													
1		PRESSURE	PRI TEMP.	SEC. TEMP.	SALINITY	SAL. NUTR. CHL. WHIT'S NUTR.													
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			



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VESSEL	PROJECT & LEG	STATION DESIGNATION														
Alpha Helix	HX210-222 130° 0.5'	A003														
CONSC 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	DEG MIN	DAY MO YR	HR MN	(°C)	(°C)	(mb)	.	(deg)	(m/s)	.	.	.	.	(m)	
246590970 N	16615.5 W	19 AUG 98	1102	08.9	094	130	14	2	22423							
CTD	TIMES	JDTIME	DATA LOCATION	REMARKS												
TYPE & SN	DATA ON		Tape/Diskette ID File Name/Header													
PRESS SN	START DOWN															
TEMP SN	AT DEPTH															
COND SN	AT SURFACE															
TEMP SN				MAX. DEPTH = m												
TRIP DEPTH	POS.	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	WHIT'S NUTR												
1		PRESSURE	SEC. TEMP.	NUTR.												
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																





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