

[illegible]

VESSEL Alpha Helix		PROJECT & LEG HX240222		STATION DESIGNATION PHE07		PG 07 OF 07						
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	SEA STATE PRESSURE (mb)	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
102	5689.70 N	16027.56 W	01 AUG 99	1721	9.1		292	210	05	1	63	PHE07
CTD		JD/TIME 99		DATA LOCATION		REMARKS						
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header						
PRESS SN		START DOWN										
TEMP SN		AT DEPTH										
COND SN		AT SURFACE						MAX. DEPTH = m				
TEMP SN								Cleaned air bleed valve				
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		WHIT'S NUTR.
				PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SAL.
1		58										CHL.
2		30										NUTR.
3		20										
4		15										
5		0										
6												
7												
8												
9												
10												
11												
12												

VESSEL Alpha Helix		PROJECT & LEG HX249-222		STATION DESIGNATION PME06																	
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																
1035637.70N	16024.39W	01 AUG 98	1748	9.4	25.0											57	PME06				
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																			
TEMP SN				MAX. DEPTH = m																	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																			
		<input checked="" type="checkbox"/> PAR	<input checked="" type="checkbox"/> FLUOR	<input checked="" type="checkbox"/> CHLOR	<input checked="" type="checkbox"/> TRANSMISSOMETER	<input type="checkbox"/>	Cleaned air bleed valve										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																					

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VESSEL		PROJECT & LEG		STATION DESIGNATION												
Alpha Helix		HX219-222		270 0.5- P40-P48 02												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								
1075629	44	N	160	11.73	W	06	AUG	99	9.4	1	0	0	1		26	P40-P48 02
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS								
TYPE & SN		DATA ON				Tape/Diskette ID		File Name/Header								
PRESS SN		START DOWN														
TEMP SN		AT DEPTH														
COND SN		AT SURFACE														
TEMP SN																
MAX. DEPTH =		m														
TRIP DEPTH																
POS.																
CLEANED AIR BLEED VALVE																
SAMPLE BOTTLE DATA																
SALINITY																
SAL.																
CHL.																
WHIT'S NUTR.																
SALINITY																
SEC. TEMP.																
PRI. TEMP.																
PRESSURE																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

VESSEL Alpha Helix		PROJECT & LEG HX219-222		STATION DESIGNATION PME01											
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
1085627.37N	16008.62W	1951	99	1951	9.9	242	340	07	230	Med					
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													
TEMP SN															
MAX. DEPTH =		m													
Cleared air bleed valve															
SAMPLE BOTTLE DATA															
SAMPLE BOTTLE NUMBER															
SAL.		NUTR.		CHL.		WHIT'S NUTR.									
SALINITY		SALINITY		SALINITY		SALINITY									
SEC. TEMP.		SEC. TEMP.		SEC. TEMP.		SEC. TEMP.									
PRI. TEMP.		PRI. TEMP.		PRI. TEMP.		PRI. TEMP.									
PRESSURE		PRESSURE		PRESSURE		PRESSURE									
TRIP DEPTH		TRIP DEPTH		TRIP DEPTH		TRIP DEPTH									
1		19		19		19									
2		10		10		10									
3		0		0		0									
4															
5															
6															
7															
8															
9															
10															
11															
12															

[illegible]

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VESSEL Alpha Helix		PROJECT & LEG HX249-222		STATION DESIGNATION 270°0.5 PMCO1															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN										
1125631	53	N	59	59.5	5	5	20	1	1	242	340	07	1	23	PMCO1				
CTD		JD/TIME		99		REMARKS													
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header													
PRESS SN		START DOWN																	
TEMP SN		AT DEPTH																	
COND SN		AT SURFACE				MAX. DEPTH = m													
TEMP SN						PAR		FLUOR		TRANSMISSOMETER		Cleaned air bleed valve							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA										SAMPLE BOTTLE NUMBER			
1	21															SAL.	NUTR.	CHL.	WHIT'S NUTR.
2	10																		
3	0																		
4	0																		
5	0																		
6	0																		
7																			
8																			
9																			
10																			
11																			
12																			

[illegible]

VESSEL Alpha Helix		PROJECT & LEG HX249-222		STATION DESIGNATION 27000.5 PMCO6																	
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 TYPE	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN														DAY	MO	YR	HR
11175641.8	0N	16015.4	7W	02 AUG 99	99							340	10			68	PMCO6				
CTD		JD/TIME		TIMES		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						PAR		FLOOR		TRANSMISSOMETER		Cleared air bleed valve		MAX. DEPTH = m							
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER					
1	51	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY													SAL.	NUTR.	CHL.	WHIT'S NUTR.
2	30																				
3	20																				
4	10																				
5	0																				
6																					
7																					
8																					
9																					
10																					
11																					
12																					

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION								
Alpha Helix		HX210 222		270° 05- P4 C11								
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WET BULB	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
122	56 52.14 N	16 03 1.23 W	02 AUG 99	04 11	8.2	272	350	07	1	1	8694	C11
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										
TEMP SN										MAX. DEPTH = m		
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		TRANSMISSOMETER		Cleared air bleed valve		SAMPLE BOTTLE NUMBER		
1		6.4		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		WHIT'S
2		40.2										NUTR.
3		30										CHL.
4		20										
5		10										
6		0										
7												
8												
9												
10												
11												
12												

[illegible]

VESSEL Alpha Helix		PROJECT & LEG HX240-222		STATION DESIGNATION 2700.5		PG 1 OF 1																			
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	DAY	MO													YR						
124	56	54	18	N	60	19	05	28	08	4	22	2	03	05	65	24	10								
CTD		JD/TIME		99		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						Cleared air bleed valve																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		PAR		FLUOR		CHAM		TRANSMISSOMETER		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		SAL.		NUTR.		CHL.		WHIT'S NUTR.	
1	61.6													SALINITY											
2	40.9													SALINITY											
3	30.4													SALINITY											
4	26.9													SALINITY											
5	10.8													SALINITY											
6	3.6													SALINITY											
7														SALINITY											
8														SALINITY											
9														SALINITY											
10														SALINITY											
11														SALINITY											
12														SALINITY											

VESSEL Alpha Helix		PROJECT & LEG HX249-222		STATION DESIGNATION YMA 06																											
CONSC CAST #		LATITUDE			LONGITUDE			DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	°C	°C	mb																
126		56	46	03	N	160	06	33	W	02	AUG	99	06	57	8.9	21.4	06	01	3	1											
CTD		TIMES										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									
CLEANED AIR BLEED VALVE																															
C/D CONVERTED MONITOR VALUES																															
POS.																															
TRIP DEPTH																															
1		55.9																													
2		32.6																													
3		20.5																													
4		10.9																													
5		3.1																													
6																															
7																															
8																															
9																															
10																															
11																															
12																															

DATA

SALINITY

SALINITY

SALINITY

SAL.

NUTR.

CHL.

WHIT'S

NUTR.

VESSEL		PROJECT & LEG		STATION DESIGNATION												
Alpha Helix		HX249-222		27000.5m												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(m/s)	(m)	(m)	
12456	13	95	N	160	03	12	W02	09	23	8.9	2.13	060	11	1	52	24405
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														
TEMP SN						MAX. DEPTH = m										
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES		PAR		FLUOR	CHLOR	TRANSMISSOMETER	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		WHIT'S NUTR.	
											SALINITY		SAL.		NUTR.	
1											SALINITY		SAL.		NUTR.	
2											SALINITY		SAL.		NUTR.	
3											SALINITY		SAL.		NUTR.	
4											SALINITY		SAL.		NUTR.	
5											SALINITY		SAL.		NUTR.	
6											SALINITY		SAL.		NUTR.	
7											SALINITY		SAL.		NUTR.	
8											SALINITY		SAL.		NUTR.	
9											SALINITY		SAL.		NUTR.	
10											SALINITY		SAL.		NUTR.	
11											SALINITY		SAL.		NUTR.	
12											SALINITY		SAL.		NUTR.	

VESSEL		PROJECT & LEG		STATION DESIGNATION													
Alpha Helix		HX240-222		270°0.5													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN													
1285641	93	N	15959	94	W08	AUG	98	04	51	7.0	213	060	10	1	50	24405	
CTD		JD/TIME		99		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						Cleaned air bleed valve											
TRIP DEPTH		FLUOR		CHAM		TRANSMISSOMETER		SAMPLE BOTTLE NUMBER									
POS.	DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER											
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY											
1	44.2					4x222 12801											
2	30.9																
3	30.0																
4	10.3																
5	2.2																
6																	
7																	
8																	
9																	
10																	
11																	
12																	

VESSEL		PROJECT & LEG		STATION DESIGNATION		
Alpha Helix		HX249-222		27° 0.5m		
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	
	DEG	MIN	DEG	MIN	DAY MO YR	
129	56	34.82	N	159	53.65	W 02 AUG 99
CTD		TIMES		JD/TIME		
TYPE & SN		DATA ON		DATA LOCATION		
PRESS SN		START DOWN		Tape/Diskette ID		
TEMP SN		AT DEPTH		File Name/Header		
COND SN		AT SURFACE		MAX. DEPTH =		
TEMP SN		PAR		TRANSMISSOMETER		
		FLUOR		Cleaned air bleed valve		
		CHIAM				
		CTD CORRECTED DEPTH VALUES		DATA		
POS.	DEPTH	PRESSURE	TEMP.	SEC. TEMP.	SALINITY	WATTS
1	33.6					
2	20.3					
3	10.2					
4	2.8					
5						
6						
7						
8						
9						
10						
11						
12						

