Consec:	Cast N	٥.	Stati							sse					roject		-		CTD Type
Consec	Lat	* J. M	W. Y	N	(>k		ngij			MC/	ART	539540	Date		A12-0			GMT	9/1+ Station
Cast #	Deg		Min	S	7	Deg			lin		W		iy	Мо	Yr		r	Min	Desig.
001	5.3	3	Z. Pt	N	1	7	٥	3	٥,	9	8	(1)	3 0	3-7	94	10	4	52	001
Dry Bulb	Wet Bulb		Baro mb	W1 Di	nd r	ă.	Win Spi	nd eed		tto pth	m			Di:	<u>Da</u> skette	ata L		tion Z	3
07.8	07.	٥	23	0	5	0	Ø	2	2	8	0	0	•	Fi	lename	<u> </u>	H	100	A,01B,0
Times (L	oca1/6	MT)	CL	Vľ	S = 8	B		SU	ve.	ll :	5+. t.	5 6	+ <u>Mo</u>	nit	or Che	cks			
Data On													<u> On</u>	Dec	k L	àst	<u>At</u>	Sürf	ace
At Surfa	ce <u>- 0</u>	05	12/	٥٤	3S	2			Dep	th		<u>:</u>	0,0	10	1		.0.	710	<u> </u>
Start Do	wn <u>C</u>	00	551	01	(5	<u>S</u>			Tem	ıp	_		ما ره	13	صا	_	7	<u>"55</u>	04
At Botto	the state of the s		27/	<u> </u>	52	7			Sal		Ĭ.	0	1,4	57	-1		37	2,59	24
Start Up	<u> </u>	312	29/	05	<u> </u>	<u> </u>		~	or	4			1						•
At Surfa Data Off	ti.,	2	<u>31 /</u> ·/	0	<u>63</u>	1	-	RE	MAF	RKS	∥ • • •		SIC	_	oran Disk			eter 1 pu 1 qo	

	Trip	T. T	ime at	Moni	tor Values	- CTD		- · · · · · · · · · · · · · · · ·
#	Depth	Deoth	Trip	DEPTH	TEMP.	SAL.	COND.	
1	1500	7	0128	1499.969	2,2998	34,4850	3.128991	
2			ā					
3	8	374	7		8 W	surface		
4	2	. 1921 (c. 1	<u> 156</u>			Bucket	TSG	TSG sal
5				10		7.60C	7,5738	32,5401
6			22 34			iq.		
į	(3)	0		\equiv				
8		(0)					18	
9		1955 1946				Our exte	> .	65()
10				9 N	95 K	7.5		
11	971							
12			1000 1000					

mank at bottom, for this cast-surface was marked at end of cast.

ء د				8 8 × 7 8 9					(4)		,		
Cons	ec: Ca	se No.	Static N. Yu	on Designat unaska k	ion S.	Vessel MCARTI	HUR		ject & >-94-			CTD Type	
Cons Cast	1	Latite Deg		N Long S Deg		e E Min W	Dat Day	e Mo		Time Hr	GMT Min	Station Desig.	
0 0	25	32	4.1	OF I M	3	2, 5 W	13	07	941	2 (5 7	I II	
Dry Bulb		ket Bulb	Baro mb		ind peed	Bottom Depth m		Diske	ette 🗡	Locat k4	ي الله	5, Cupca	
06	.80	9.2	Z3	ALM	<u>1</u>	210	0	File	name <u>C</u>	Doz	A, c	15002P	<u>ځ</u> رو
Star At E Star At S	Surface t Down Bottom rt Up Surface a Off	04 04 04 04 05	08/ (38/ 39/ 19/	1207 1208 1238 1239 1319	RI	Depth Temp Sal Cond EMARKS:	0n -03 6.7 0.4	Deck L	AFWOY Cast	3	Surfa , 78 , 60 2,31 ,341	6	
#		Depth		Moi DEPTH		r Values	- CTD ∴SAL		CON	ID.	<u> </u>		
1	1500	6.5	०५३८	1500.11	1 2	F1015.	34.		3.126				
2								· · · · · · · · · · · · · · · · · · ·					
3			191		2		SW	rfac	-				
4			# ⁴ =		12	4.	Buc	let.	756		750	- Sal	
5			E # 10			, All H	□ "= +,"	7°C	7.64	46°C	32.5	5685	
6			1 W.W. 1	·		• • • • • • • • • • • • • • • • • • • •	ii.	-				•	
7	0	D		W		T							
8							152 889	0,0	234				
9	12 C		adu,	·	ŀ	·····		. (592)	9				Ä
.10				37 	4			(C)					
101 57	115 mm	A STREET, L. C.	Tale of the	1					4				

ce Îõ				fi 3550''	4	247	14.5						
Cons	ec, Ca	st No.		on Designat Lunaska		Vesse MC	1 Arth	IUR .			Leg l-03		CTD Type
Cons Cast	1 10 TO SEC. 1	Latite Deg	ide Min	N Long S Deg	itude	e din	Ħ¥	Date Day M	lo	Yr	Time Hr	GMT Min	Station Desig.
0	236	371	2,9	NITC	2	4,2	ω	130	79	4	14	3 1	
Dry Bult		let Bulb	Baro mb	1	wind Speed	Botto Depth			iskei		a Locat 业子。	147 147)	east)
06	208	6. C	22	157	ા જ	15	S			-	XD03	A, C	PEOST!
Time	es (Loc	a1/GMT)	= :	F		5 4	1 Mon	itor	Check	<u>s</u>		
Data	a On	0.6	31/	1431		= 1 vell=	.7.	On De	<u>eck</u>		<u>At</u>	Sürf	ace
		06		1431	15'	Depth		· · · · · ·				70	
4 -3	rt Nowi	1//		M35	•	Temp	-			_		157	
	Bottom rt Up	070 070	No. 107 (G)	1506	- 1	Sal Sond	•	- S	· ····	_		64	22 732 (
12.4	Refliction of The	603		1536			EE .	- 1 + 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·		•	<u>ر بد</u>	22 J	172 (
	a Off		.1		RE	Marks	:						
			(C)					222					
,	Trip	GMT T	ime at	Mo		Valu	es -						
#	23.00 (me)	Depth	P00717	DEPTH	#70k9/	EMP.	=	SAL.			ND.		
1	1911	•	0705	1411,24	<u>2</u> و	118	15	34,50	26	3.11	PF5F		
2	NAME OF THE PARTY	6.4	V.	-2									
3			2900 - 1000 - 100							T,			
4	12.425	NA NA	79 (5)				:00	sun	100				
5	6.1				77	5	W	Bucke			٠(٢-	27	6-Sal
. 6		A467		·		•	P	7.60	٥	7,4	D88C	32.	5743
7	廖子	10	×									<u> </u>	
8		0	11			- (%)		3.1	á.	-	3		
9		- 214	:5	ië.	<u> </u>			V _E	9		2	 	
10		1350 1375		¥ .	(a)			5.4					
-	prosidental 3	S290(5)	I	1777		•		1				1	

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85 11 = 13	ž.							10 E
Cons	ec: Ca	st No.		n Designatio Naska Is			Project & Leg 42-94-03	CTD Type
Cons Cast	30 Sept.	Latitu Deg (*	ude Min	N Longit S Deg	ude E Min W	Date Day Mo	Yr Hr	GMT Station Desig.
0 0	45	3 0	7,5	N 170	19,0 W	130	79416	14
Dry Bull	E	Vet Bulb Sulp	Baro mb	Wind Wind Special Spec	Bottom eed Depth m		<u>Data Loca</u> skette <u>せ9 を</u> lenameでかり	#10 (upcast)
Data At S Star At	a On	1 - Page 12000 in 1	14/ 14/ 16/ 36/	1614 1614 1616 1636 1637	H= 1 SWELL: 3 Depth Temp Sal Cond		6.	Surface .330 .7453 2.4331 265241
At	Control of the Contro	e <u>06</u>		1656	REMARKS:	€ = m	•	
#	Trip	GMT. T	ime at	Moni DEPTH	tor Values ·	- CTD		
	893		0936	893.441	3,0267	34,2267	3145975	
2		- 121-1 - 121-1	. =	0 12. (3)	3,000	34,2204	1 21 12 11 2	
3	(1800)				3 N S	5.2		
4		20.43	2. 0		**		n/	
5	W. 3				. 50	Bucket	TSG	TSG SQD
. 6	lg#i	200		·		7.0°C	6,9018°C	32,6042
7	3	2						
8		9	8			1/4	\$4 - 85	
9	ec.	22		13	·	-	M 2	

11°

•^		٠,١	E A		77			
	002 Sc: 03	st No.		n Designation		19	oject & Leg P-94-03	CTD Type
Cons Cast	ec _	Latite Deg	ude Min	N Longit S Deg	ude E Min W	Date Day Mo	Yr Hr	GMT Station Min Desig.
000	5	30	3. [0 F I N	14,9W	1307	9417	31
Dry Bult		Wet Bulb	Baro mb	Wind Wind Sport	Bottom Depth m	,	Data Locat kette #11 ename CTDOS	
Data At Star At Star At At	a On Surface it Down Bottom it Up	09 09 09 09 09 09 09	29 / 31 / 32 / 38 / 40 /	/is = .10nm 7≥9 731 732 738 740 744	Campli = 3	Monito Monito	1, 5.6 32.	Sürface 889 0562 5638 91136
#	Trip	GMT T Depth	ime at	Moni	tor Values			
2.316	181	Debril	25/09/25/11/05/20	DEPTH	TEMP.	SAL.	COND.	
1		ALIGNA TO	0938	181,877		33,5642	1 31100 110	
2	49		5460	49.311	4,7706	33,2074	3,172753	
3	332			· · · · · · · ·		,		
4	2001		- 13 - 22					
5			2			Bucket	756	TSGSQU
. 6		(1) (1) (1)	2 4 5	•		5,8°C	5,6660	32.8386
7	5	13	94					

. 10-

Consec: C	Section 1	23,43,4-4	n Design	_		I <u>IRTHU</u>	JR		ject i	Leg +-03		CTD Type 9/11 +
Consec Cast #	Latitu Deg	ide Min	N L S De	ongitud g	le Min	EW	Date Day	 Mo	Yr	Time Hr	GMT Min	Station Desig.
006	525	7.9	FIN	40	4.9	W	140	70	14	01	29	
	Wet Bulb	Baro mb	Wind Dir	Wind Speed	Botto Depth			Diske	Dat #	a Loca	tion Cupa	ast)
0 8,3	98,2	12	255	i i	33	6	9	Filen		•	0A, 01	
Times (Lo	cal/GMT		vis=	12	= 3 weil= 11 4 (00 E		nitor Deck %		_	t Sürf	
At Surface Start Dow	in 012	50 1	0929		Depth Temp	_	-0. 7.	189 19 04	<u>.</u>	7.	059 328	7
At Botton Start Up	C. Van Grand	43 p25	1000		Sal Cond	-	-	117 1250			,360	
At Surface	Self-divided to the control of	321	<u>3501</u> 5601	IK	emarks:	1 • •)	JT 0	•	•	572		

8 4	Trip	CHELL IT	ime at	Monit	or Values -	CTD		
#		Depth	Trip	DEPTH	TEMP.	SAL.	COND.	
1	1500		0200	1202,620	2,3231	34.4831	3.130989	
2					·	=	1.	
3					- 1		死 提	
4			15 15		£.			
5	1341 A		ij.		- N	Bucket	TSG	TSG-SQP
6	1200				<i>/=</i>	7.4°C	7.3007	32,8066
7	15	45						
8					•	<u>}</u> \	1/8	
9	75 X 1944	16.50		M.		8 0	2	
10.				80 Pro-	8 8	20		
11								9 %.
12			m **					N

surface marked at upcast

		12.4	100	STATE OF THE					
12	Cons	60 : pag FOO	st No.	2181 14-	n Designation e Atka Is			ject & Leg _94-03	CTD Type
٠.,	Cons Cast	The second second	Latitu Deg	ide Min	N Longi: S Deg	tude E Min W	Date Day Mo	Yr Hr	GMT Station Min Desig.
	00.	175	24	5.91	1174	0 5,0 W	1407	1403	34
94 94	Dry Bult		let Bulb	Baro mb	Wind Wind Dir Spe	nd Bottom eed Depth m	Diske	Data Locatette 世14	tionupast) #15
	08	5,5	8.5	12	2401	0297	O Filer	name CTDO	A,O7B
nark	Data At : Star At : Star At :	a On Surface rt Down	04	35 / 34 / 35/ 106/ 07/ 43/	135 1135 1135 1135 0006 0007 0043	Depth Temp Sal Cond REMARKS:	Monitor On Deck of the Control of th	Abroast At O, 7, 1 32	Surface 976 4469 ,8302 371841
	#=	Trip	GMT T	ime at	Mont	ton Values	CTD	191	
					DEDTU	tor Values	· (Δ)	COND	
\rightarrow	1		Deoth		DEPTH	TEMP.	SAL.	COND.	
\Rightarrow	1 2	Depth			DEPTH		SAL.	COND.	
→	1	Depth			DEPTH		SAL.	COND.	
→	1 2	Depth	Defith		DEPTH		SAL.	COND.	
→	1 2 3	Depth	Defith		DEPTH		SAL.		TSG- 000
→ *	1 2 3 4	Depth	Defith		DEPTH		Bucket 7.5°C	756	De 27
**	1 2 3 4 5	Depth	Defith		DEPTH		Bucket		1
→ *	1 2 3 4 5	Depth	Defith	Trip	DEPTH		Bucket	756	1
→ ·	1 2 3 4 5 6	Depth	Defth	Trip	DEPTH		Bucket 7.5°C	756	1

. 10-

Consec:	-1500 NO. 100 NO.	Acres Income		Design	nation S,	1	1 Arthuf	::	Project AR-9		CTD 911
Consec Cast #	Lat Deg	itude Min	N S	Lo De:	ongitud	ie Min	E	Dat Day	e Mo Yr	Time GM	T Sta in Des
800	52	33,	IN	17	40	5. 1	WI	4 (794	055	2
Dry Bulb	Wet Bulb	Ba mb		ind ir =	Wind Spee				<u>Da</u> Diskette	ta Location	n cast
08.6	0 8.	61	1 2	40	08	20	50		Filename (CM08A	.088
Times (L Data On At Surfa Start Do At Botto Start Up	ce e	553 552 553 5623	12 12 12 12		- \$	Depth Temp Sal Cond		0n 0.4 7.9	Deck after 32 934 660 28327	- 0.6 7.5 32.1	irface 39 548 8202 79
At Surfa Data Of	JE CONTRACT	3652 3651		<u>257</u> 254	- R	EMARKS	∑• • ° •		•		

	Trip	GET. T	ime at	Moni	tor Values	- CTD	27	
#	Depth	Deøth	Trip	DEPTH	TEMP.	SAL.	COND.	
1	1500	7	0623	1501.615	2.2915	34,4896	3.128898	
2			# ₂ =	2	₩ ≈			
3					, s = a	-0.2		
4	85		£ 10		-	17.		
5		47.5	33			Bucket	TSG	TS650
6		100,471		·		7.6°C	7,5953℃	9125,58
7	1	27						
8						222	ē	
9			i Tai		120	14. 2.3	× 9	
.10	Street.			10 (a)	12 2	5 4 8		100
11	1276				18			et T
12			66 T)	£ 525		0.0		s c

e . =	±1,					3	1			i i zez			*** w.					\$
81 82 123	Consec: රථ	100000	0.	Stati N.A.			-		Ves	sel MCART	HUR	152				& Leg {~○3	•	CTD Type 911 +
	Consec Cast #	Lat Deg		de Min	NS		Long leg	itud	e Min	E W		Da Day	te Mo)	Yr	Time Hr	e GMT Min	Station Desig.
a.	009	SZ	Ś	8. 1	7	1	4-14	0	6.	OU	1	4	0	7 (7 4	07	32	
20	Dry Bulb	Baro mb	Wi Di			dind Speed		tom th m			D1	iske	<u>Da</u> tte	ta Loc	ation # (up ZO	east)		
	09.009.0112					4	٥١	D 8	1	3 2	0						PA.	09B
3	<u>Times (L</u> Data On	4.01.69	(TME	1.180		\$ =	.31			11= 3	_				Chec }-니 (it Sürf	ace
NARK	100 40	- 20 may 18	> ₹²			<u>ろう</u>			Dep				600				3,39	
NARK.	Start Do At Botto Start Up	om C		02/	0	33 007 001	<u> </u>		Tem Sal Con			0,0	32. 200 200	<u>ර</u>	වී	3	2,93 2,93 3,38	
	At Surfa Data Off	e etta	98	33 / ·/	0	o3?	<u>}</u>	R	EMAR	KS:								

- 12	Trip	GMT. T Deøth	ime at	Moni	tor Values	- CTD	¥	
#	Depth	Depth	Trip	DEPTH	TEMP.	SAL.	COND.	
1	1300		0803	1299.398	2.5527	3 4,4263	3,137734	
2		(a) 36 (c) 40 (c) 40			·			
3								
4	E. 2400	pare to	<u>***</u>					
5			a (=	5	Bucket	756	TSGSal
<u>.</u> 6°			≧ 3 x	·		7.790	7.6670°C	32,7745
·	33		.,,					
8						= 42	(8	
9	113. —	538 W	12			v	A 50	
.10		¥ 5%	•	¥		530		
11	**	-77			27.			3 %
12			7.5	20	27 8.			,

Consec Cast # Deg Min S Deg Min W Day Mo Yr Hr Min Desig O' O 5 Z Z S. O N 7 4 O 6, O W 4 O 7 9 4 O 8 S Dry Wet Baro Wind Wind Bottom Speed Depth m Diskette #21 O 9, O 0 9, O 1 O CACM O 6 O O Filename CTDIOA, IOB Times (Local/GMT) F VIST. IONM H= B SUPPLIES On Deck B-4 cost At Surface At Surface O858 / O058 Depth Temp 8.5283 7, 4924	Cons	STATE OF THE	Cast N	0.	14/12/2017		Designa			1	5/48 5/48		ject 8	_		CTD Type
Consect	7.	010	+9		NiSi	<u>go </u>	Atka	IS.	MC	ARTH	IUR	A	2-94	1-03	<u>3</u>	911+
Dry Met Baro Mind Speed Bottom Diskette #Z		CONTRACTOR.						gitud			1.0000000000000000000000000000000000000		Yr			Station Desig.
Bulb Bulb mb Dir Speed Depth m Diskette #21 O 9. O 0 9. O 1 O CALM O 6 O O Filename CTDICA, IOB Times (Local/GMT) F vist, IONM H= Ø Data On 0857 / 0057 At Surface 0858 / 0058 Start Down 0859 / 0059 At Bottom 0916 / 0116 Start Up 0917 / 0117 At Surface / REMARKS: restourt program (going down of program crosshed) Trip 085 Time at Monitor Values - CTD Depth Defth Trip DEPTH TEMP. SAL. COND. 1 580 0916 580, 651 3, 4348 34, 1131 3, 1574116 2 175 0929 175, 822 4, 1154 33, 1032 3, 113544 5 Bucket TSG TSG sale 6 7 8,62 7,5363 32, 7761	.01	19	52	خ	S.O	N	171	10	6,0	W	140	7	94	08	58	
Times (Local/GMT)												niek			tion	
Data On	0	1.0	09.	٥	10	•(ALV	M	1	1					ار 🗚	OB
Data On	Tim	es (L	oca1/6	SMT)	F	vis	;= .10Nr	' '		Agg E				<u>s</u>	ace v	nark
At Surface 0858 / 0058 Start Down 0859 / 0059 At Bottom 0916 / 0116 Start Up 0917 / 0117 At Surface / REMARKS: restart program (going down of bepth Trip Depth TEMP. SAL. COND. 1 580 0916 580.651 3.4348 34.1131 3.157416 2 175 0929 175.822 4.1154 33.1032 3.113544 5 8ucket TSG TSG Sal. 6 7 8ucket TSG TSG Sal. 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Dat	a On	3	25	7	BI	157	Sr	iell ^e s		<u>On l</u>	Deck	3-4 608	F <u>A</u> 1	t Sürf	ace
Start Down C859 / OO59 At Bottom O916 / O116 Start Up O917 / O117 At Surface / Cond O,002621 3,377493 At Surface / REMARKS: restart program (going down of program crashed) Trip Depth Depth Trip DEPTH TEMP. SAL. COND. 1 580 O916 580,651 3,4348 34,1131 3,157416 2 175 O929 175,822 4,1154 33,1032 3,113544 5 Bucket TSG TSG Sal. 6 7.6°C 7.5363 32,7766							4 - 84-1	ŝ	Denth	Ŋ	-1, 2	93		- 1	7. 7. 7.	
At Bottom 0916 /0116 SaI 0.0194 33,0459 Start Up 0917 /0117 Cond 0.002621 3.377493 At Surface / REMARKS: restart program (going down at 27,039 meters, 09021									•	6						
Start Up	At	Botto	m C	91	6 1			8	•		•		<u> </u>			
At Surface / Data Off / REMARKS: restart program (going down at 27,039 meters, 0902 to program crashed) / Program crashed / Program crashed / Pepth Depth Trip Depth TEMP. SAL. COND. 1 580 0916 580.651 3,4348 34.1131 3,157416 2 175 0929 175,822 4,1154 33,1032 3,113544 5 Bucket TSG TSG Sal. 7.60 7.5363 32,7766	1	200	100				0 .		-	gell.	>> '99		1			
Data Off	100	100000000	Last Towns Will	9	1				EMADEC	arve.						
Trip	- Dat	a Off	ALC: NO.	Ti., 9							1					
# Depth Depth Trip DEPTH TEMP. SAL. COND. 1 580 0916 580.651 3.4348 34.1131 3.157416 2 175 0929 175.822 4.1154 33.1032 3.113544 3 Bucket TSG TSG Sal. 6 7.682 7.682 7.682 32.7766		.a 011		W.	<u>·/</u>	1	,		(a	* Z7	103	q me	yer?	5 0	902tin
1 580 0916 580.651 3.4348 34.1131 3.157416 2 175 0929 175.822 4.1154 \$3.1032 3.113544 3 Bucket TSG TSG sale 6 7.682 7.5363 32.7766					ime at	_	Mc			a M	t Z7	103	q me	yer?	5 0	14506
3 4 5 8ucket TSG TSG sal 7.62 7.5363 32,7766	#	Trip	GMET				Mc)EPT H	onito	r Valu	a M	t Z7 rogram - ctd	103	9 me	ters	5 0	11209
3 4 5 8ucket TSG TSG Sal 7.6°C 7.5363 32.7766	# 1	Trip Dept	GMET th Degr	th	Trip		DEPTH	onito	r Valu	es ·	CTD SAL.	103 1 W	o me	ND.	* O'	90211
5 Bucket TSG TSG sal 6 7 7.6°C 7.5363 32,7766 8 8	-	Trip Dept	ener th Defr	th	1rip 0916	2	BO. 65	onito	r Valu	es ·	CTD SAL.	103 1 W	co 315	ND. 7411	s, o'	90211
6 7 8 7	2	Trip Dept	ener th Defr	th	1rip 0916	2	BO. 65	onito	r Valu	es ·	CTD SAL.	103 1 W	co 315	ND. 7411	s, o'	902+11
8	2	Trip Dept	ener th Defr	th	1rip 0916	2	BO. 65	onito	r Valu	es ·	CTD SAL.	103 1 W	co 315	ND. 7411	s, o'	902+11
8	3	Trip Dept 580	ener th Defr	th	1rip 0916	2	BO. 65	onito	r Valu	es ·	CTD SAL. 34.11	103 103 31	co 3.15	ND. 7411	, O'	11506
	3 4 5	Trip Dept 580	ener th Defr	th	1rip 0916	2	BO. 65	onito	r Valu	es ·	CTD SAL. 34.11 33.10	103 1 ch 31	3.13 3.13	ND. 7411	TS	G Sal
9	3 4 5	Trip Dept 580	ener th Defr	th	7rip 0916 0929	5	BO. 65	onito	r Valu	es ·	CTD SAL. 34.11 33.10	103 1 ch 31	3.13 3.13	ND. 7411	TS	G Sal
	2 3 4 5 6	Trip Dept 580 175	ensi	th i	7rip 0916 0929	5	BO. 65	onito	r Valu	es ·	CTD SAL. 34.11 33.10	103 1 ch 31	3.13 3.13	ND. 7411	TS	G Sal

. 10-

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* program crashed again at 175m goingup

Cons	sec: C	asť No.		on Design		Vessel MCAR	THUR		ject 8 2-94	Leg		CTD Type
Cons	The second second	Latit Deg	ude Min	N Lo	ngitud	le E Min W		te Mo	Yr	Time Hr	GMT Min	Statio Desig.
U	11	5.15	4.0	NIFI	33	1.00	15	07	94			·
Dry Bull		Wet Bulb	Baro mb	Wind Dir	Wind Speed	Bottom Depth m		Disk	<u>Dat</u> ette <u>#</u>	Loca	tion_	
0	80	030	99	16C	18	015	0	File	name <u>c</u>	CTDIIA		
Sta At Sta At	rt Pov Bottom rt Up Surfac a Off	e <u>00</u>	52/57/67/	0750 0752 0757 07 57 0800	- R	Depth Temp Sal Cond EMARKS:	0,0	110 040 <u>5</u> 090 7		5, 32	43C 797 ,701 2258	S
#	Trip Dept	GMT T Depth	ime at Trip	DEPTH		r Values			Co	ND.	9	
î	128		1157	128.83	10 6.0	1.5632	No Shenesyl	640		2060		
2			. = x									
3	0.53	= 1)		18	٠,		il il	ù.				
4	100	2				****			<u> </u>			
5						=		sket	75	SG-	TS(Sa
. 6	j .	0.536	ı					2°C	5,8		1	6Z0Z

.10

87	Consec:		lo.			Desigr St,		1	sel MCAR	THUI	₹		200, 17 150		& Leg {-03		CTD Type
.68	Consec Cast #	Lat Deg	itud	de Min	20	Lo Deg	ongitu	de Min	E		Da Day	te M)	Yr	Time Hr	GMT Min	Station Desig.
=	012	5.1	Ś	1.1	7	17	33	2,	ZU) (5	٥	70	14	12	35	ĵ.
	Dry Bulb	Wet Bulb		Baro mb	Wi Di	nd r	Wind Spee		ttom oth r	n :		T.	iske		a Loc	#Cup	east)
	09.0	00.	9	06	1	40	20	21	0 8) C	3			_	100	2A 1	2B
	Times (L	oca1/6	MT)	R	Vi	si si	MS	WELL 1 = 12	101	36	+!	loni	tor	Checl	<u>s</u>	S	
	Data On	_@	023	341	16	34	_	a	ter	cas	† <u>01</u>	n De	<u>ck</u>		A	t Sürf	<u>ace</u>
ARK	At Surfa	ce 0	03	4 /	11	034		Dep	th		်ဝ,	37	6	<u></u> ,	0	.396	
	Start Do				5	635	_	Tem	P	· _ ·	7.	153	58		6	487	S
方不	At Botto	-)OS		Al	058		Sal	54	-	0.5	58	36		-	,5038	11.0
264	Start Up) <u>.</u> C	10	00/		005		Con	4	(0,0	78	PIII	4	3	,256	015
	At Surfa Data Off	of 1 toronto	515 515			720	- 11	REMAR	KS:			•					
	40045															10.	

220	Trip	GMT . T	ime at Trip	Moni	tor Values	- CTD		
#	Depth	Depth	Trip	DEPTH	TEMP.	SAL.	COND.	
1	1063		1259	1063.788	PESES	34,4033	3,140766	
2					529	7		
3	蒙古					- 10		
4	(W)		(₁)					
5	500		8.13	•	= 50	Bucket	TSG	TSG sal
6					and	6.4°C	6.60398	32.3698
7	72	Ö						32,30,0
8	5/10 1842s					5 ^{II}	-	
9	nesn Tolskare	rusiin Liji Lansaan	10 11	= .				
. 10-	Shaniji wezit	Post of the second		# · # 2		194		
11	haez L					ii ii		e v
12				33	8 B	12		

α	Consec:	Case 3	E No.	Stat G		Design		2	al ARTI	HUR	Project AR-94	•	CTD Type
- 12 - 22 - 01	Consec Cast #		Lati	tude Min	NS	Lo Deg	ngitud	le Min	MM	Date Day I	lo Yr	Time GMT Hr Min	Station Desig.
4.	013	S	1	49,0	N	17	3 3	3.0	S	150	794	0151	
	Dry Bulb	We Bu		Baro mb	Wi	ind ir	Wind Speed	Bott Dept		102	<u>Dat</u> Diskette	ta Location	upcost)
	08,7	0	8.	5 995	1	80	i s	15	ما	0	Filename <u></u>	CTD13A,	13B, 13C
MARK	Times (Data On At Surf Start D At Bott	ace own	01	52/	(= 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	151 5 152 751 752 822		Depth Temp Sal	MS.		2S	4t Sûr 1,180 6,609 32,53	Face 6
MARK		p ace	0	726/ 305/ 309/	18	905	R	cond EMARKS	00	0.08 progra	m cro	3,27	1724 et

	Trip	GMT . T	ime at	Moni	tor Values	- CTD	· · · · · ·	
#	Depth	Depth	Trip	DEPTH	TEMP.	SAL."	COND.	
1	1500		9220	1499.240	2,3400	34.4925	3133166	
2	50) W	0303	49.609	5,1156	33,1094	3,193323	
3							'o ⁽⁸⁾	
4	53/44 20 X 5/81		T _Z to		100	3 30		
5			() ()	14	551 302	Bucket	TSG	TSG-sal
6						6.7°C	6,6532	32,4143
7	33	12						
8		Shalika eyi	4 430	= = 0	- 10 - 10	S: 1 54	18.	
9				T 1	. 2 1	3,00 m	190	
10	Washing	Audien)			2- 17 - 13 <u>1</u> 2	4 PARTE -		
11		3					3.57	2 W
12				Ñ.	0.0 0.00	01 24		ji

	Cons	sec. 14	Cast N	lo.	Stati Gu	on l	Dest	gnati K	on	•	sel MCART	HUR	r . Mross		oject 12-9	& Leg 1-03	8	CTD Type
er pe	Cons Cas	F 95.45	Lat Deg	itu	ide Min	NS	D (Longi eg			E	1.80	Date	Mo	Yr	Time Hr	GMT Min	Station
	0	14	51	4	7.2	N	FI	∤ 3	3	9,	3 W	1	5 0	7 (94	03	46	
,	Dry Bull		Wet Bulb		Baro mb	Win			nd eed		tom th m			Disk		Loca		
					.6	á		3	22	5		File	name _	CTDIC	{ A			
		es (L a On	oca1/0	10.	[[7 /	19	u 7						`		Check after o	<u>ast</u> ast <u>A</u>	t Súrf	ace
MEK	At :	Surfa	ce 🦳	\$30	16/		46	*		Dept	:h	ж				_	196	
	•		wn	1000	18/	19	48	<u> </u>		Temp		,			·		1307	•
•			n –	/	77		١,	Sa1 Con	٠ .						21190	3411		
	At	Surfa	ce	(10m /			-			ÁÀ	Art	COL	: † .	- COI	WIN	- 111		
ų.	Dat	a Off		. /	FO:		P	Nop	lew	15	riw Yiw	h	dec	- coi	i+.			
	#	Trip	OMET Defr	. 'T.1	ime at	Ò	EPTH	Mont		Va EMP.	ues				· · · · · ·			
	î	1500		546 646	13		-F-LR			CNF.			SAL.	·		ND.		
	2		200 N	T.				 -	<u> </u>		7	1		· · · · · ·				
83	[:] 3	(9)	-1	jik		_	7	2	1	V		97	3)					
!	4	_	19 mm		7		$\sqrt{}$	<u> </u>)	.					-			
	5	100	5/ 5/8		+	K	$\sqrt{}$		1									
	. 6	100 pt 10		8.)		1	\	1	\P	/					
	7	3		3						<u> </u>	1	_	- <u> </u>	·	<u> </u>			
	8		design and the second	ergiu Estas	ab BE			<u> </u>	╀		·	- -	ш	·				
	9	: (2)		177		_		•	-			-		. 🥳	-		<u> </u>	
- 9	. 10.	300			<i>3</i>	<u> </u>		•	-	Li .	•	·		ij.			ļ	
	11	8.		2.11 (52.1	<u></u>	_			-		-	+	-		-		M	<i>3</i>
	12	190	K Alex	34.47	•	Ŀ			1				156		Į.			

	Cons	seci (ast No.		on Designation		RTHUR	Project AR-9		CTD Type	
	Con:		Latit Deg	ude Min	N Longi	tude Min	E Date	Mo Yr	Time (GMT Station Min Desig.	
	0	14	5.14	15,2	N173	32,6	W 150	794	050) 6	
	Dry Bull		Wet Bulb	Baro mb	Wind Wind Dir Spo	nd Bottor eed Depth				ion (upcast)	
	09	1, 0	0 9. 0	991.	2201	628		_		A, 148,140	2
	Time	es (Lo	cal/GMT	1 R	vis = 3hm	H=Zf SWELL	464 Mon	itor Check	<u>(s</u>	- Gallara viz	
1.4		a On	050		2103		<u>On D</u>	eck	<u>At</u>	<u>Sürface</u>	
ARK	At:	Surfac	e 05	506,	2106	Depth	· 1,7	-16	0	642	
-	Sta	rt Nov	vn <u>05</u>	07/	2107	Temp	9.0	384	8	1988	
	At	Botton	u. 0.2	36/	2136	Sal		.422	3.2	6015,	
	Sta	rt Up	. 05		2139	cond	0,0	37815	3.	371817	
	I At :	Surfac	ce 06	いっし	2215		Londo or a	- O 01 0	luc fo	w thic	J
	1	a Off		/ / 	· · · · · · · · · · · · · · · · · · ·	100	iook ad ast, ? alo B Dosta	out con	vikand	ity markatis	5 0
	1	a Off Trip	GMT: T	·/	Moni	o539	est, ab Bester s - cto	nt pra	m. No	179	~
	Dat	a Off Trip	GMT. T	·/		053	est, ab	out con	m. No	markatis no mark	X
	- Dat	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - CTD	out con	m. No	markatis	8
	Dat	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - CTD	out con	m. No	markatis no mark	
	# 1	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - CTD	sut con pra 85 3,12	m. No mo.	markatis no mark	
.3	# 1 2 3	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - ctd S - ctd SAL.	t TS	m. No mo.	markatis no mark nere	50
	# 1 2 3 4	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - CTD SAL. 34,509	t TS	M. No.	no mark here	
	# 1 2 3 4 5	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - CTD SAL. 34,509	t TS	M. No.	no mark here	50
	Dat 1 2 3 4 5	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - CTD SAL. 34,509	t TS	M. No.	no mark here	
	# 1 2 3 4 5 6 7	Trip Depti	GMT. T	ime at	Moni DEPTH	のうろい tor Value TEMP.	s - CTD SAL. 34,509	t TS	M. No.	no mark here	

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Cons	sec: (ast No.	Stati			ation		e1 :ARTI	lur		roject A12-9			CTD Type
Con: Cas:	1100000	Latit Deg	ude Min	NS	Loi Deg	ngitud	ie Min	EW	^Da Dajy	te Mo	Yr	Time Hr	GMT Min	Station Desig.
01	5	5 1 4	0.0	N	17	3 3	1, 5	W	15	0.7	94	070	0 6	
Dry Bull		Wet Bulb	Baro	Wir Dir		Wind Speed	Bott Dept			Dis	<u>Dai</u> kette	ta Locat	tion	
0	٦. O	08.9		2	10	16	34	5	0	Fil	lename j	CTD IS	Ā	
Data At Sta At Sta	a On Surfac rt Pos Botto rt Up	070 nw	05/ 05/ 106/ 29/	23 23 23	05 06	5	Depth Temp Sal Cond	, > 6	<u>O</u>	n Decl	or Checkaster	20.3 20.3 32.3	344 398: 0718	1 5 8 374.
	a Off	ce	·/							bort	ment cas	s no st.al	- 91	orking oom
#		GMT: T h Deøth		ĎI	M Epth		r Valu TEMP.		· CTD		C	DAID.		
1	^	24 24	- 1 at				إن إن النظام ال	.:						
2		11270	140											
3	= 2	33							33					/***
4														
5	(i	E Hotel			œ				Bu	cket	- TS	36	TS	sal
6	,	R. V. G.								2°C		427		9766
7	3		• • •											
8	(A)	1000000	W.					·			Y	(4 (4)		÷
9		2.49 2.44		,33		ŀ	·		272	4	Ġ.	ν.		
.10		S Control	NEW P		•		G.	•		*/ S/	×	9		
11	is la	$- \diamondsuit$					150		Ŋ.				10 <u> </u>	14
		41.												

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Con	Consec: Cast No. Station Designation Vessel Project & Leg CTD Type Amarcha Puss MCARTHUR FOCT 1994														
	Consec Cast # Latitude Deg N S Deg Min W Day Baro Wind Baro Wind E Date Date Day Time GMT Hr Min Desig. Station Desig. 0 1 7 5 2 2 2 0 N 1 7 2 0 8 9 W 1 5 0 7 9 4 2 3 0 0 0 1 7 Data Location Data Location														
1			ıde	N Loi		ie	E	Da		Yr			1		
0	17	522	20	N17	20	89	WI	S	07	94	23	00	017		
Dry Bul		Wet Bulb	Baro mb	Wind Dir		Botto Depth			Disk	_	ta Locat		34		
0	Times (Local/GMT) Monitor Checks On Deck At Surface														
Tim	Times (Local/GMT) Data On 1500 12300 Monitor Checks On Deck At Surface														
Data On 1500 12300 On Deck At Surface															
At	Data On 1500 2300 On Deck At Surface At Surface 1502 2302 Depth -0.8% 1.730														
Sta	At Surface 1502 12302 Depth -0.880 1.730 Start Down 1503 12303 Temp 2.1178 5.4186														
At	Botto	n 15/	15 12	2315		Sal				_	<u>33.</u>		_		
Sta	irt Üp	151	7 /	2317		Cond					3.7				
At	Surfa	ce <u>152</u>	7 /	2327	.	EMARKS					z BSS				
-Da1	ta Off	153	8 /	2322	. ["		• //				,				
L					d	ownca	st#	33 _u	ADCUS	#34	16.	A. 16	B reso.		
-															
	Trip	GMT T	ime at						,						
Ħ	Trip Dept	GMT T h Depth	ime at Trip	DEPTH	ionito	r Valu	es -	CTD	,		OND.				
1	J8C	h Depth	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1	J8C	h Depth	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1	38C 50	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped disk		
1 2	38C 50	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
2	38C 50	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1 2 3 4	38C 50	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1 2 3 4 5	38C 50	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1 2 3 4 5	38C	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1 2 3 4 5 . 6	38C 50	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1 2 3 4 5 . 6	38C 50	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		
1 2 3 4 5 . 6	38C	h Depth ISUS	Trip 1515	DEPTH 378.10°	onito	r Value TEMP.	es -	CTD SAL	7114	3.1	OND. 55926	swa	apped dista		

Consec:	Cast N	0.			-		~	atio		Ve	sse MC/	1 ARTI	lUR	Size.	0);	Pro	oje		& Leg			CTD	Ťy	ype F
Consec Cast #					NS		Lo Deg	ngi		e Min	1	EW		Da Day		· =	Υ	r	Tin Hr		MT Min	-	at	ion g.
018	5 2	2	1	2	N	1	7	1	5	श्च	2	W		6	0	7	9	4	00	0	7	0	4	8
Dry Bulb	ast # Deg Deg Dry Wet				W1 Di	nd r	-5	Win Spe			tto pth					isk	ett	Dat e	a Loc		on 3	5		
086	08	Ò	8	7	F	7	C	0	6	0	3	2	S]	F	ile	nan	ne _	CTD	18	A	ĊT	57	11

Times (Local/GMT)	Monitor Checks
Data On 1607 10007	On Deck At Surface
At Surface 1600 10010	Depth -0.9/2 1.443
Start Nown 16-11 /00/1	Temp 6.9793 5.1850
At Bottom 16.23 10023	Sa1 0.0000 33.3133
Start Up 1624 10024	cond -0.000305 3.215984
At Surface 1634 10034	REMARKS: THSOT: 5.4734 BSST: 5.4
Data Off 1635 10035	ACPUARAS.
	downcast #35 and upcast

	Trip	GMT, T	ime at Trip	Moni	itor Values	- CTD		
#	Depth	Depth	Trip	DEPTH	ТЕМР		COND.	
1	300	0023	0023	298,941	4.0451	33.7409	3-166824	
2	30	0032	0032	28,153	4,8454	333175	3.187630	•
3	S	3 3-						
4		28 88 m ee vo					//	······································
5		W Cooler	97		:9	8		
6	Ē=		B					•
ź		17						
8		detailer (c)	i.e=					
9					·	3. 1.2		<u> </u>
10-	40,4125A	470.	100 E	٠.	9			

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		ec: 0		۰.	Stati			10			sse MC		IUR					& Leg /994		CTD Type
	Cons Cast	-	Lat Deg			NS		•	gitu			EW	_		te M		Yr	1	GMT Min	Station Desig.
	01	9	52	2	43	N	1	7	14	14	0	W	/	6	0	7	94	0/	28	019
	Dry Bulb	,	Wet Bulb		Baro mb	Wi Di	nd r		Wind Spee		tto				D	isk		ta Loca ¥3[10	
	08	7	08	1	88	0	9	0	06	0	3	3	8					CTD		
	Time	s (Lo	oca1/6	SMT)										М	loni	tor	Chec	ks		¥8
					8/									<u>On</u>	De	ck		<u>A</u>	t Sürf	ace
	At S	Surfac	ce <u>/</u>	73	33 /	01	3	3		Dej	pth	_	-1	. I'	97			2	80.	4
					5/		_	_		Ter	np	_	7.	7	163	2		5.	111	7
iä			n <u>**</u>				44			Sa			0.0					3:	3.33	325
		•	_		45/			_	_	Cov	79		0.0	X)ひ	44	<u> </u>	3	210	144
-					52 /				-	REMAI	RKS	•	TH	SS	1:	5.	4520	S BSS	I:	5.4
	Data	a Off		7 2	53 /0	31	<u>53</u>	د				٠								
	. "									dun	n	an	du	0 0	_aş	15	on	disk	#3 6	
	#	Trip			ime at	_		М	onit			es -	- CT	D_	Н	A T	Λ		·	
				-	Trip	1	EPT			TEMI		~	1				1	OND.		R:
<u>م</u>		No. of the last	_		0144	╄	-		3					_				5063		
	2	30	013	51	0151	-	78	٥,	13	4.5	514	3	3.	<u>3,</u>	47	29	3,1	7068	7	
	3					<u> </u>							_							
	4																			
	5												<u> </u>							
	6	1		•	<u></u>	**************************************				,		10								
	7	65		-	160															······································
	8									900	-	8				• • •				
	9				15.	T		•							ŭ.	:		8 0		· · · · · · · · · · · · · · · · · · ·
	10	23					•	(8)		13	96		 		= =	93	1			
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	10				61	T				***				_			_			

bo Hom

	sec: 0 20	asť No.	Statio	on Designation	on Vessel MCART	f	Project & Leg CTD Typ FOCT July 1994				
Con Cas	sec t#	Latit Deg -		N Longi S Deg	tude E Min W	Date Day Mo	Yr Hr	GMT Statio Min Desig.			
0	20	5 2 2	601	N / 7 /	32/W	1607	9402	4302			
Dry Bul		Wet Bulb		Wind Wi Dir Sp	nd Bottom eed Depth m	Disk	Data Loca ette <u>*37</u>				
0	80	080	87	0400	4051	*		4 CTDZU			
<u>Tin</u>	es (Lo	cal/GMT)			Monitor	Checks				
Dat	a On	18	4010	0240		On Deck	At	Sürface			
		e 184		243	Depth _	-1.194		477			
1	reconflict cons	in 18th		245	Temp _	8.1866		4875			
1	10000	185		2256	Sa1 0.0000 32.6379						
		185		308	Cond -0.000269 3,272653						
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