_	- 1		<u> </u>	Ĭ.		···				38	+8		7)					Pg/	of _	
	nsec		100	Vess	sel ARH	lur F	roj. & Leg	4-03	Event#	Vessel	Sta. I.D.	Instr	uctions	funesko	ι- 1		STEEL ST	ta. Design	ation A 94	101
	nsec. st #			Min.	or S I	Longit	or W		10 = 194 Mo. Yr.	Tim GM Hr.	Т	Dry Bulb	Wet Bulb	Bar. mb	Wind	Wind Pool		Bottom Depth, m	Sta. N	lame
			337		141	7030	9 W	135	GL94	09	5.7	78	7 0	23	8054	02	2	800	499	101
Тур	C7 e & S	D .	sea b	ied	_			nitor C	hecks		Tir		jD/Time			Data Lo	cation		N EN	
Pr	ess. S	N_					on Deck		at Surfac		1	a on face <i>OS</i>	5721	1 -	e/Diskette			Name/H		-0
					-	Press. <u>-0.</u>	401	<u>ř</u>	6,710 ucket 7 sol77	.le	Start Do	own 49-8	55		3		<u>C10</u>	01A,0	10,015	
Co	nd. S	N <u>@</u>	-		-	temp. La.	6/860	<u></u>	32.5924	4 4 3 8	at Bot	tom0	127			_		3/ U		
	A				_	Cond.	4571	_G	al 3 30	2.5402	at Sur	face IE	31	Rema	rks	31				
S.	Pot	T	Trip	Tin Depth			Moni	tor Valu	ıes			onv. Mon.	Values-CT	rD	Sar	nple Bot.[Data	Sa	l. Oth	er 💪
-	BOL.	Nack	Depth	Depth	Trip	Press.	Temp.	Co	nd. Oth	ner	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal		# Sam	p. Go.
-			1500	<u> </u>	0923	8			w.	1	492909	2,2998		344850			34.494 34.493 34.492	> 3 4.49	3	1
2		Ē		desten				11:							7				A	2
3				0.00											Щ					3
4		s		All and a second				×2	-	"1	40						## GC			4
5				3						**	1	22 N.						18	- 100	5
5		0.0																		6
7		3			91			V-					= 11		=	_	96		0.5	7
3														X		V.				8
,			24 20 TH	V	W			- 10												9
0					Y				\	1	(3)11			-						01
ı		el _j .							\ \											11
2	Ω					5					- 3									12
	H	-91	12				<u> </u>				1 25						<u> </u>	Initial	5	1

				117			1_						·				-						Pg.	<u>a</u>	of	
	nsec	Cas	t # 2		el ART	hur	Pro	1. & Leg	4-03	3 Ev	ent#	Vessel	Sta. I.D.	Insti	ructions	/ u	naska	6	2				Sta. De	signation A	on 3402	
	isec.			Min.	or S	Deg.	ongitud	or	D ate Day		1	Tim GM Hr.	т	Dry Bulb	Wet Bulb		Bar. mb	S. S.	Si Dir	nd V r.	Vind ع	Type Weath.		om :	Sta. Nar or I.D	ne
	8	15	32	411	14	170	325	N	133	Tu L	94	12	38	68	5	9	23	1	Ca	In	1			DOA	948	5 2
Тур	C e & S	TD SN_			_				nitor (mes	JD/Time							ocation				,
		N_			_			Deck			Surfac	е	Dat	rface 120	7 7				'Disket				e Nam			
					_]	Press.	-,38	9	 . 2	U, 7	77	-		own			_	4-	5 6	ブ	<u>.</u>	<u></u>	DO	DA, B	_	
Co	nd. S	N <u>#</u>	_		-	Temp.	6.71	31	<u> </u>	1h-50k	76	446		tom_12									. 15			
				I ,		Cond.	0.413) (p) (b					at Su	t Up <u>13</u> rface <u>13</u> a off	19		Rei	nark	S		200		22 53			
S.	Rot.	T	Trip	Tim Depth	e @				itor Va				С	onv. Mon	. Values-C	TD)		S	amp	le Bot.	Data		Sal.	Other	ان
	30C.	Nack	Depth	Depth	Tri	ip P	ress.	Temp	· C	ond.	Oth	er	Press.	Temp.	Cond.		Sai.	1	Therm-	P A	\vg Tw	S:			Samp.	Pos.
1		-3=	1500	m. and	12.	38		An a				1	500.11	2.2617	1	3	4,4916	2			-	34,49 34,49 34.50	3 34.	498		1.
2				Ę		· 1				8																2
3				A																						3
4										39					4							34	811			4
5																									3-	5
6							-						****		 	1								-		6
7								· ·					<u> </u>					+		+					S	7
8													·		-	+		-		1						8
9														<u> </u>				+	1.		07					
0	1					-					—	924				+		+		-	"	-			,	9
ı	+					42		-	:			-		3		+	7	+				 				10
2	+	\dashv						<u></u>	-			\dashv	 -			+		+							_	11
				· <u></u>				<u> </u>												Ц		1				12

Pg. 3 of ____ Consec.Cast # 3 Vessel Mchathur Proj. & Leg Event# Vessel Sta. I.D. Instructions Sta. Designation Yuraska-3 Latitude Longitude E Date JD = Consec. Time Dry Wet Bar. Bottom Sta. Name **GMT** or Cast # Deg. Min. Bulb Bulb mb Depth, m or I.D Deg. W Day Mo. Yr. Hr. Min. CTD Type & SN_ **Monitor Checks** Times [D/Time **Data Location** on Deck at Surface Data on 143 / Tape/Diskette I.D. File Name/Header Press. SN_____ at Surface 1431 0.702 3 71 87 CT031 313 Press. ___ Temp. SN _____ Start Down 1435 Cond. SN Temp. at Bottom 1504 Start Up 1506 Cond._ Remarks Th-Sol 5 32,6422 at Surface 1536 Other_ Data off_ Trip Time @ **Monitor Values** Conv. Mon. Values-CTD Sample Bot.Data Sal. Other Bot. Rack Depth | Depth | Trip Press. Temp. Cond. Other Press. Temp. Bot. # Samp. Cond. Sal. Therm-P Avg Tw Sal. 34,510 34.510 -11 1505 1411.246 2.1895 34,5026 2 3 3 4 5 5 6 6 8 8 9 9 10 10

Cara			10			 + <u>-</u>			 ,																Pg	<u>. </u>	of	
Consec.	. Cast		Vess	el AR	hur		j. & Leg	10		ent#	Vessel	Sta. I.D.	. In:	struc	tions	lu:	rash	a	- 4					(Sta. D	esignati	ion	
Consec. Cast #	De		Min.	or S	Deg.	ongitud	le E or W		JD = Mo.		Tin GM Hr.	1T	Dry Bulb		Wet Bulb		Bar.	ĺ	Vis.	Wind Dir.	ı V	Vind Sp.	Cloud	Type Weath.	Bot Dep		Sta. Na or I.[
	5	30	75	M	170	190	W	13	Jul	94	16	36	6	2	5 7	6	T		4	14	7	28		122	9	754	94	04
CT Type&S	D N			_				onitor	Checks			126	imes)/Time								Loc	ation				
Press. SI				_		2.5	n Deck			Surfac	е		ita on irface	61				•		skette						ne/Hea		
Temp. SI	Ν		<u> </u>	_	Press.				0.33	70	1200			٠ اعا ١ اعا				74	10	7		30		CT	<u> </u>	A, B		
Cond. SI	V #			- [Temp.		_		this of	6.90	18	at Bo	ttom							8		_		4-1				
ž _i				-	Cond.	Salin	_		32.4 Th- Sal			at Su	rt Up! irface ita off				Ren	nark	ks					62		•		=0
So Bot.	T	Trip	Tim	ie @			Mon	itor V			T			n. V	/alues-CT	D	•	Ŧ	-	Sai	mpl	e Bo	t.D	ata	20 20	Sal.	Other	٠ [-
ĕ Bot.	Rack	Depth	Depth	Tri	ip F	ress.	Temp). (Cond.	Oth	er	Press.	Temp		Cond.		Sal.		The	rm-P			w.	Sa	ıl.		Other Samp.	ď
. [14 4	893		163	68	13		H=		0 00 B		893,44	3.026	7	3.145975	34	, 226	7				2		34.23 34.23	366	34.2	35	t
2										-																		2
3							E												88									3
4										65										34				3 E	76			4
5																		1										5
6					5			98				···						1	- A	Y								6
7		00																1								_	54 N/	7
8														\top				1			-		¥1			1		8
9				72										+		_		+			-			,			<u> </u>	9
10	\dashv	·					<u> </u>				23			1	·	-		╁	_		-						1.	10
11					2 0			'E'					FI	-			9.0	+			_					-		100
12		7.			-								-			9		+	545		_	-	\dashv					11
							····			 :								1			<u></u>					 nitials		12

					····	··	- -										Pg. <u>5</u>	of _	
Cons	ec.Ca		Vesse	Sethu		oj. & Leg	Č.	Event	# Vesse	el Sta. I.D.	Instr	ructions	unaska	- end		St	a. Design	ation	
Conse Cast		Latineg.	Min.	or S De	Longitue eg.	de E or W	D ate Day	J D = Mo. Yr	G1	me MT Min.	Dry Bulb	Wet Bulb	Bar.	Wind	Wind Pno	Type Weath.	Bottom Depth, m	Sta. N	
	5 5	30	3 1	Ni	7014	9 W	135	UL 94	117	38	65	6 6 5	22	15	004		206	A 9 4	DS
Туре	CTD			_			nitor C					JD/Time			Data Lo	•		• · · · · · · · · · · · · · · · · · · ·	
Press	.SN_	<u> </u>				n Deck		at Surf			ta on 7	39		pe/Diskette			Name/H	eader	
Temp	.SN_			- Pi	ress	147		1.889	}	Start D		32	<u> </u>			<u>C7</u> 2	105A	•	-
Cond	.SN <u>#</u>				emp. <u>lø, (</u>		<u> </u>	1.889 h-Sal 5. 5.0566	066	_ at Bo		38				. 3			-
				_ C	ond, Sal O, o	090		37.50 B		at Su	rt Up <u>17</u> rface <u>17</u> ta off		Rema	arks			54		
SO BS	T	Trip	Tim Depth	e @			itor Val					Values-CT	D	Sar	nple Bot.[Data	Sa	l. Oth	er
	L. Naci	Depth	Depth	Trip	Press.	Temp	. <u>C</u> o	ond. C	ther	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal	Bot.	l. Oth # Sam	p.
1	20 S S S S S S S S S S S S S S S S S S S	181		1738		, m				181.877	3,7489		33,5412			33.57 33.57 33.57	33.3	74	
2		49	Aller Street	1742	,						4,7700		33,2074			33,22	0 \ 70.	20	,
3		<u> </u>	*					2											
4			N. A.												-	37	35-		
5	-														•	. =			
6							y)												141
7						·				 					Dates	- 🔳		8	
8	ļ			<u> </u>							- 10				■ a.				
9																	Sar		
0								·			12								1
	-			.77	. · · ·		-					. "	(5)						
2	<u></u> ,													FF.					I
																	Initial	•	

1											·															Pg.	6	of	
Cast # Deg Min S Deg W Day Mo Yr Hr Min Bulb Bulb Bulb Bulb Bulb Bulb Bulb Bulb Bulb Dir. Sp Sp Sp Sp Sp Sp Sp S		nsec.	Casi	6	Vess	el //R/	hur			#			Vessel	Sta. I.D).	Instr	uctions		At	ka	- 1	ł				Sta. D	esignati	on	
Cond. SN Trip Time Monitor Values Cond. Co	Cor Cas	isec.	De			or		ongitude	or	ŀ		ŀ	GM	IT]		, ,				ar.	y. s. Vis.	Wind Dir.	Wind	Cloud	Type Weath.	Bott Dept			
Monitor Checks On Deck ast Surface Data on Deck	\perp	6	5	25	7 9	N	174	049	W	14	Jul	94	10	00	B	3	a	9	1								606	941	0/0
Press SN	Тур	CT e & S	Д И_	<u> </u>				_		onitor					imes								Data	Lo				1-1-1	
Cond	Pre	ss. Sl	V			_		on E	Deck		at	Surfac	e	Da Da	ata on_		73 <i>0</i> 129			-									
Cond	Ten	np. Si	۷	 _		_	Press	-0.189			Buch	59 E 3	1,4	Start I				٠.	_	_);	١, ١,	131	-		<u>_C7</u>	DO6A	18	 	
Cond	Cor	nd. SI	٧ <u>ة</u>			-	Temp	7,170			Thorn-	500 7	73007 7,3787	at Bo					_			,			,				
Note Convert Convert						_	Cond,	0,4174	, , ,	1	heem.	Sal 3	2.8713	at So	urface_	10	್ದಾನ			Rema	arks		(4)	10			•		-
1 1500 1000 1500	S,	Pot 6	T	Trip	Tim	1e @		_	Mon	itor V	alues				Conv.	Mon.		CTE	<u> </u>			Sam	ple B	ot.l	Data		Sal.	Other	ي
	- 1	SOL. I	Vack.	Depth	Depth	Tri	ip Pr	ess.	Temp	<u>, c</u>	Cond.	Oth	ner	Press.	Te	emp.	Cond		S	al.	Th	erm-P	Avg	Tw	7.1	Sal.	Bot. #		
				1500		100	00							502.6	20 2.	323/	AND SECTION OF THE PROPERTY OF	- 3	34.4	831		-			34.4	3.	4,493	*	T
4	-+	_									,			. = .															2
5	+				37																								3
6	-	-										W				6.4									. Zat	- 1		5	4
7	╬		_		<u>, </u>	-						_						=										34	5
	7		\dashv		<u> </u>				,		· · · · · · · · · · · · · · · · · · ·							\perp			1	-			-				6
	R		\dashv			_	-		 -		.1		_	·				_	1				÷						7
		-		, ,										· · · · · · · · · · · · · · · · · · ·	-	Ų								91	-	93			8
	_	-	\dashv													·									ļ			<u> </u>	9
		_	\dashv						· · ·	1					. %					1.51	_					· · · -			10
	2		\dashv		Ц		1.00						_			,		\dashv	8	<u>.</u>	_			,	_			 	II
• • • •															<u> </u>	A							-			*			12

..

Cal		<u></u>	- 11																Pg. <u>7</u>	_ of	
	isec.	Cast	<u> </u>	Vess		hur	roj. & Leg	3	Event#	Vessel S	ta. I.D.	Instr	uctions /	tka-	2	_			Sta. Designa McA	tion 9407	
Con Cas		De	Lati	Min.	or S	Longitu Deg.	ude E or W	Date JD Day Mo		Time GMT Hr. 1		Dry Bulb	Wet Bulb	Bar. mb	ν. γ. Vis.	Wind Dir.	Wind PiolO		· · · · · · · · · · · · · · · · · · ·	Sta. Na or I.[ıme
	7	5	24	5 9	N	17405	o W	145 u	L94	Dac	6	8 5	85	13	ુ ન	240	10		2970	A94	07
Туре	CT & S	D N_	Leabir	d9/1+	_			onitor Che			Tim		JD/Time			•	Data Lo	cation			
					_		on Deck		at Surfac	е	Data at Surfa		3 <i>5</i> 134	Ta	pe/Di:	skette I.	.D.	File	∍ Name/He	ader	
	-			-	-	Press. 144	9	. 5	1 <		Start Do	•	35	-				-		•	
Cor	d. S1	<u>ة</u> ٧			-	Temp. <u>7</u> ,	8153	15,000	het 7.5 m.Sal 7	1.5084	at Botto	om	206		12.			2	F1 55		
<u>. </u>					-	Cond					Start (at Surfa		3 <i>07</i> 343	Rem	arks		1350		77	- 23	
					(4)	Other <u>೦, ೪</u>			1-5al 3	7.7766	Data		244	7-			*		(8)		
S E	ot. F	T }ack	Trip	Tim Depth	e @	Ducas		itor Value					Values-CTD		Ų.		ple Bot.[Sal.		r s
1			1500	Depth	ın	p Press.	Temp	Cond	. Oth	ier F	ress.	Temp.	Cond.	Sal.	The	rm-P		34,49	1. Bot. 34. 4	- 	. 6
2	+		1200	3														34,49 34,50 34,49	2	18	_
-	-	\dashv																			2
3	-	_																			3
4	_			±				= 0		70						頭		8	231	- 13	4
5	_			7.								2.	= =							1	5
6					16			ă							1 3						6
7		W.											7 1	3				WEE			7
В						10		W									100	:	3		8
9		_					Ŷ.														9
0						6											· · · · · · · · · · · · · · · · · · ·				10
ı									 - -												11
2													=		53						12
	J					<u></u>									<u></u>		-		Initials		

												6					Pg	8	of	
Со	nsec	.Cası	\$	Vess	el ART	hur	Proj. & Le		Event#	Vesse	l Sta. I.D.	Instr	uctions AH	ea-3			Sta. D	esignati	on	
Cor Cas	isec.	De		Min.	N or S	Longit Deg.	ude E or W		JD = Mo. Yr.	Tin GM Hr.	1T	Dry Bulb	Wet Bulb	Bar. mb	Wind	Wind Pnoj P	Meath.	tom th, m	Sta. Nan or I.D	
	8	5	23	3 1	N	17405	, W	143	JUL94	14	23	86	86	1 0	240			50 A	946	20
Тур	C7 e & \$	D_			_			onitor	Checks		Tir	nes	JD/Time			Data Loca	ation			
	ess. S		<u></u>		_		on Deck		at Surfa			a on 135		- I	e/Diskette		File Nar		der	
Ter	np. Ş				_	Press	432	 .	-D.639		Start Do	face 135 own 13			17418	······	CTD08	A B		
Co	nd. S	N <u>ä</u>			_	Temp. <u>7</u>	,9834	:	\$ 7.5953	7,554		tom <u>14</u>	23				7		±	
<u>.</u>					-	Cond. O.	9660		732.8 75 35.7	519	at Sur		94 52	Rema	ırks		a	**3	15	==81
S.		T	Trip	Tim	ie @		Mon	itor Va	lues				Values-CT[<u> </u>	San	ple Bot.D	ata	Sal.	Other	S.
الم	30t.	Kack	Depth	Tim Depth	Tri	p Press.	Temp). C	Cond. Ot	her	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.	Bot. #	Other Samp.	8
1			1500	4	148	23	-11	×		P	501.615	2,2915		34,4896			34,500	34,506	i de como	1
2									Nage 1	- 1						8				2
3							*								139			40		3
4	_	100	- #1, 5,4					- Sw		- 23					10	- ×			= =,	4
5	_		- 24	T.												F4		*		5
6	_						<u> </u>			1					E -77					6
7											_		1 3 75		=	3 c 3	7		3 8	7
В			-						Ħ			9				95		-		8
9			ę i								8						0			9
0										- X-		Q.								10
															¥	22.7				11
2				20								<u> </u>			10					12
		110								<u> </u>			<u> </u>		<u></u>			<u> </u>	.l	

[C.		_		1			_										Pg	9.	of	-
Cor	nsec.	. Casi	t # 9	Vesse		hur	Proj. & Leg		Event#	Vessel	Sta. I.D.	Insti	uctions	Atka	- 4		Sta. E	esignati	on	
Con		De	Latin	Min.	N or S	Longi Deg.	tude E or W	D ate JD Day Mo	80	Tim GM Hr.	Т	Dry Bulb	Wet Bulb	Bar. mb	Wind Dir.	Wind Pnol O	Type Weath.	tom th, m	Sta. Na or I.E	
Ц	9	5	23	PII	N	17406	OW	14Ju	194	16	0 2	90	90	11	241	900	13	20 A	94	09
					1+		Mo on Deck	onitor Che			Ti	nes	JD/Time			Data Lo	cation			
Pre	ss. S	N	y.		- 1	- 101			at Surfac		at Sur	a on 153 face 15	32 32		pe/Diskette					
Tem	ip. Sl	N			-	Press, 21	222 W	Buch TS	at 7.7	- (3.5)	Start D	own	33 -		119, 201		<u> </u>	کا ر		
		\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>								9384	Start at Sur	tom : Up face a off	004	Rem	arks	¥ (8)				
os.		T,	Trip	Tim Depth			Mon	itor Values					Values-CT	D	Sar	nple Bot.[Data	Sal.	Other	T
	Ot, I	часк	Depth	Depth	Tri	Press.	Temp	. Cond.	Otl	ner	Press.	Temp.	Cond.	Sal.		Avg Tw	Sal.	Bot. #	Samp.	
			1300	4	160	3				11	399,398	2,55 27		34.4263	3		34,437	4.436		1
2												14-17								2
3	_			1																3
4																				4
5					200 a									8						5
6						14					100 100				1 1 4					6
7															X					7
8		578.8																		8
9					17															9
10										\neg								1		10
Ш																		-	\vdash	11
12	T																			12
		_		7.7		-	1				-							 nitials		L

			T		···	·					7						F	g. <u>10</u>	of	
Cons	ec.Cas	10	Vess	el !/R/	huz	Proj.	& Leg		Event#	Vesse	l Sta. I.D.	Inst	ructions	Atka-	end		Sta.	Designat	ion 94/7	
Conse Cast		Latit	Min.	N or	Lon Deg.	gitude	or	ate JD :		Tin GM Hr.	1T	Dry Bulb	Wet Bulb	Bar.	Wind			ottom pth, m	Sta. Nar or I.D	
	05	225	50	N	174c	60	WI	45 u	194	1 7	16	90	90	010	Cal			00/	194	10
Туре	CTD & SN_			_	(green)			itor Chec				imes	JD/Time			Data Lo	cation			
		"		-	_		Deck		at Surfac			ta on 16		Ta	pe/Diskette	I.D.	File Na	ame/Hea	der	
Temp	.SN_			-	Press	250	<u>.</u>	O. Bucket 可S	t 7.6	7,40		ovn_ L			ZI TANDA, S		-		-	
Conc	. 214 î.										. 'at Bo	ttomi_t t Upi_		1.0						
		***		_	Other_	0.00	26	<u> 15</u>	32.7	0459	at Su	rface	W. 1	Rem	arks'				10.	20
S D	T	Trip	Tim Depth	1e @			Monito	r Values				ta off	. Values-C	TD	Sai	nple Bot.I	Data	Sal.	Other	10
<u> </u>	L. Rack	Depth	Depth	Tri	p Pre	ss.	Temp.	Cond.	Oth	er	Press.	Temp.	Cond.	Sal.	Therm-P		Sal.	Bot. #	Other Samp.	8
		580	12	171	اط	1112			<u> </u>	5	180,651	3.4348		34,1131			34,119			Г
2		175		170	9					1	75,80	4,1154		33.103	100	WI =	33.114	33.112		2
3	III.							24			37 P		1				. ×.			3
4										2					33		\$6 17-5	27		4
5			a ,		100									× =_			. Ji	- X		5
6						0			31					i	TI R	tā.				6
7		7	3	2003		1 5	T.		ES. 4						· -				225	7
8				Ş.	8	-4	3				ş.	M		35						8
9	8	78		8		1		Te.		A AL	ıl.		ŝ		1.2		W.			9
0						4		838	22 5	AT 1		= .,		32		=				10
1			W .			3	355	N			20				Ī					11
2						494	_	d	2				79		200	- 59			11	12
	7										16	1	<u> </u>		<u> </u>	<u></u>		Initials		لـــا

														0									Pg.	11_	of	
Co	nsec.(Cast	11	Vess ///	el, ARH	hur	Proj.				vent#	Vessel	Sta. I.D.	Inst	ructions	lask	e sim	Z =	Noe	th			Sta. De	signation	on [1]	
	nsec. st #	Deg		Min.	N or	Lon Deg.	gitude	e or W		•	Yr.	Tim GM Hr.	т I	Dry Bulb	Wet Bulb	В	ar. nb			Wind Sp.	Cloud	Type Weath.	Botto Depth	1	Sta. Nan or I.D	
	1 1	5	15	40	N	1733	10	<u> </u> 12	15	Jul	94	07	57	80	80	, 9	9		16				15	-0 A	941	1
Тур	CTI e & S1	7. D							nitor		(S			mes	JD/Time		,	П		Data	Loc	ation				
					_		on D				t Surfac		Dat	314	749					I.D.		File	e Nam	e/Heac	ler	
					_	Press	-1,410	>		1.4	30		Start D		750 757			<u> </u>				CTK)11 A	5/	····	
				 	_	Press	2. 201	40		15	5.8	716	at Bot		757							-		-		
9.1					_	Cond.					(91 79	75			0757		Rema	rks		-					-	-
_					_	Cond.	0,00	09		15	35 .	6505		rface a off	800		T(CITIE			55			17.0			
S.	2 - 2	T	Trip	Tim Depth	ıe @				itor V	alues					. Values-C7	ΓD			San	nple Bo	ot.D	ata		Sal.	Other	S.
٦	50t. K	аскі	Depth	Depth	Tri	p Pre	ss.	Temp	. (Cond.	Oth	ner	Press.	Temp.	Cond.	1	al.	The		Avg T	w	Sa			Other Samp.	9
1			198		75	7						1	28.835	4.5638		33	3640					33,37 33,37 13,37	6733	.377		ŧ
2				**					9	Ý										,e					25	2
3.							-	<u> </u>										- 52	5500				(X) 43			3.
4	2	1101		4		3			I Le				I.	, in	ei e		VC.		=			1.0 2.	1920		2	4
5		_							II			Seal		• n **						93		×		W		5
6		\perp	-	1 =					D)			i i				3										6
7		_													2					10					. 27	7
В	_	4															25				e.		di	(1)		8
9		_																							1 25	9
0	_	4							161								y s							Ä		10
1																■ /29	23									H
2																		23		(3)						12
																-						-	i	nitials _		

Pg. 12 of ____

Co	nsec	Cas	t #	Vess	el, Art	lue F	roj. & Leg		Event#	Vessel	Sta. I.D.	Inst	ructions /	k Shear	n 2			Designat		
3	nsec.		Lati	tude	N	Longit	ude E or	Date	JD =	Tin GM	ne	Dry	Wet	Ran	Wind	Wind 9	(L 1	ottom	Sta. Na	
Ca	t #	De	g.	Min.		Deg.	w	Day	Mo. Yr.	Hr.	Min.	Bulb	Bulb	mb 0	o si Dir.	Wind Pind Sp. O	De X S	pth, m	or I.C)
	16	15	15	, ,	И	7332	2 1	153	4494	08	58	90	89	06	140			80	794	12
Тур	С. e&S	TD SN_					Мо	nitor C		<u> </u>		mes	JD/Time		1 1 1 1 1 -	Data Lo			/ - - - - - -	7 195
					_		on Deck		at Surfa	ice	Dat		34 34		e/Diskette			ame/Hea	der	
					_	Press. O.	376	- T	0.396	<u>. </u>	Start D		235		531 241		CTDIO	A B	,	
Co	nd. S	N <u>.</u>			_	Press. <u>0</u> . Temp. <u>7</u> .	7532		15 6	6039	at Bot	tom	858							
-					-	CondOther O			20	rs	Start	face	10D	Rema	arks	6				84
						Other O				3698	Date		993				7			
Pos.	3ot.	T Rack	Trip Depth	Tim Depth	ie @	Press.	Moni Temp.	tor Val					. Values-C1			nple Bot.		Sal.	Other \$ Samp.	os.
				18	772.00		remp.		ona. Ot	her	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal. 34,410.	Bot.	# Samp.	<u></u>
2		1100:1	1063		85	7				/	063,798	2,7234		34,4033			34,410	34 411		
-				di.												\$6				2
3.	323			\$											Ę.				i p	3
4		AS .						-												4
5		80				Ī-													+	5
6			=					2							50					50
7																7/			* S	7
8								93					TE .							+
-	-											23,5				191		10		8
9			155												E	AF 10				9
10	_	\dashv		- 8 -			31.00			7		3.40			<i>.</i>	W				10
11														W						11
12		}										. 			-53	2				12
							<u> </u>						1	3.				Initials		1

Consec. Cast # 13 Vessel Proj. & Leg 12-94-03 Instructions Ate Steeam -3 Event# Vessel Sta. I.D. Sta. Designation

MCA9413 Latitude N Longitude E Date JD = Time Consec. Wind Wind Dir. Sp. On W. C. Dry Wet Bottom | Sta. Name Bar. or GMT W Day Mo. Yr. Hr. Min. Cast # Deg. Min. S Deg. mb Si Si Bulb Depth, m or I.D Bulb 1351490 CTD Type & SN_____ Monitor Checks

on Deck

at Surface

Press. .08 6

Temp. 7.8935

St. .6.6532 **Monitor Checks** Times Data Loca
Tape/Diskette I.D. JD/Time **Data Location** 0952 Data on___ File Name/Header Press. SN_____ 26-28 CTD13A-C at Surface____ 0951 Temp. SN_____ Start Down___ 095-2 -Cond. SN at Bottom 1022 Start Up 1006 Cond. 15 35,4,43 Remarks at Surface 1105 Data off _____ 11 0 9 T Trip Time @ **Monitor Values** Conv. Mon. Values-CTD Sample Bot.Data Sal. Other Bot. Rack Depth | Depth | Trip Press. Temp. Cond. Press. Temp. Other Cond. Sal. Therm-P Avg Tw Bot. # Samp. Sal. 34.502 1500 1026 1499,240 2.3400 34,4925 34,503 2 33,103 50 1103 49.609 5,1156 33, 102 33,1094 3. 4 6 7 8 8 9 9 10 10 Π u 12

6			\	YXXV														Pg. <u>14</u>	of	
	nsec.	.Cas	#\y 4	THE C	ART	hur	Proj. & L				essel Sta. I.D	. Instr	uctions	Alesh	ream 4			Designati A		
Co	nsec.	De	Lati	Min.	N or	Long Deg.	gitude i o V	ri	J D = Mo.		Time GMT r. Min.	Dry Bulb	Wet Bulb	Bar.	Win Si Si Dir				Sta. Nar or I.D	
\perp	CI	5	14	7 2	N	1733	93 4	15	JUL	94	1	1					3	225 A	94	1 4
Тур	C7 e & S	Ю						lonitor (T	imes	JD/Time			Data Lo	cation			
					_	15	on Deck			Surface	11.	ata on urface	1147	⊤	ape/Diskett	e I.D.	File N	lame/Head	der	
Ter	np. Sl	N_			_	Press			0,19	6	at Start I	urtace Down				87 j				
Co	nd. Sl	Νĕ			-	Temp			15	8.355		ottom		_ -			5± 3	N.	77 = 1	
			H		-	Cond.	- V76	8	13	32.190 32.0899	ھ at S	rt Up urface		Ren	narks		a de		3	
S.		T	Trip	Tim Depth	ie @			nitor Va	10.00			ata off Conv. Mon	Values-CT	 D	S	mple Bot.D) Data	Sal.	Other	Τ,
4	BOT.	tack	Depth	Depth	Tri	p Pres	s. Ten	p. C	ond.	Other	Press.	Temp.	Cond.	Sal.		Avg Tw			Samp.	
1				100		-									-		· · · · · · · · · · · · · · · · · · ·			
2			3						,	,			0							t
3.							_	+		<u>- 1</u>	1-1	150	0					_		+
+	+						-		\mathcal{H}	()	4		4 6			ļ				L
4	4							_ \				ashi	ens	1						4
5										TI	10	010								5
6										100							- 10-11		1	1
7																				+
3										7				V.						+
,	_	1			109 12 - 120						-				-					8
0		\dashv						_									N .			9
+	+	4	-		Der -	-								-	**************************************		= =			10
+		4													0.02					11
2		_													1.5					12
									3					4200				Initials _	-	_

Consec. Cast # Vessel McArthur Proj. & Leg Event# Vessel Sta. I.D. Instructions Sta. Designation Mr A 94 14 B Ak Sheam \$3 Latitude Longitude E Date JD = Time Consec. Cloud PuiN Type Veath. Dry Wet Wind Sta. Name Bar. Bottom or **GMT** Cast # Deg. S. S. Vis. Bulb Bulb or I.D Dir. Depth, m Min. mb Deg. W Day Mo. Yr. Hr. Min. 90 9 9 CTD **Monitor Checks** JD/Time **Data Location Times** Type & SN_ on Deck 1303 at Surface Data on_ Tape/Diskette I.D. File Name/Header Press. SN at Surface___ 1306 0,642 29-31 Press. -1.7110 CTDI4A - C Temp. SN _____ Temp. 9.0384

13 whet 4.3 P.

15 8.3057 1988 Start Down_ 1307 . Cond. SN at Bottom_ 1336 Cond. D. 0378 1339 Start Up___ Remarks 1415 at Surface____ Data off_ Trip Bot. Rack Depth Depth Trip Time @ **Monitor Values** Conv. Mon. Values-CTD Sample Bot.Data Sal. Other Press. Temp. Cond. Other Temp. Press. Bot. # Samp. Cond. Sal. Therm-P Avg Tw 34,518 34,518 > 1500 1336 34.518 1500,899 2.2621 34,5085 2 3. 4 5 6 6 8 8 9 9 10 10 П 12 12

Pg. 16 of ____ Consec. Cast # 15 Vessel McArthur Proj. & Leg Event# Vessel Sta. I.D. Sta. Designation Instructions He Sheam =5" Latitude Longitude E Date JD = Time Consec. Weath. Dry Wet Wind Bottom Sta. Name Bar. **GMT** Cast # wp si si Deg. Bulb or I.D Bulb Dir. Depth, m Min. S Deg. Day Mo. Yr. Hr. Min. D 90 89 CTD **Monitor Checks Data Location** JD/Time Times Type & SN _____ on Deck at Surface 1505 Data on___ Tape/Diskette I.D. File Name/Header Press, SN____ 1505 at Surface 32 CTDISA -Press.___ Temp. SN_____ 1506 . Cond. SN # Temp., 1529 at Bottom_ Start Up_____ Cond._ Remarks NO Samples, 5-bind ched at ~ 1000 m. Most breds would at Surface_____ 31,9766 Other_ Data off____ T Trip Time @ Bot. Rack Depth Depth Trip **Monitor Values** Conv. Mon. Values-CTD Sample Bot.Data Sal. Other Press. Temp. Cond. Other Temp. Therm-P Avg Tw Press. Cond. Bot. # Samp. Sal. 2 3. 5 6 7 8 8 9 9 10 10

Pg. 17 of ____ Consec. Cast # 16 Vessel Mc Arthur Proj. & Leg Sta. Designation McA9416 Event# Vessel Sta. I.D. Instructions S. end Ak, Sheeam trans. Longitude E Date JD = Latitude Time Consec. Dry Sta. Name Wet Bar. Bottom GMT Cast # S. S. Vis. Deg. Bulb Depth, m or I.D Min. S Deg. Bulb mb W Day Mo. Yr. Hr. Min. CTD **Monitor Checks Data Location** Times JD/Time Type & SN _____ on Deck Data on_____ at Surface_____ Start Down_____ at Surface Tape/Diskette I.D. File Name/Header Press. SN_____ Press. Temp. SN ______ Cond. SN # Temp._____ at Bottom_____ Start Up_____at Surface_____ Remarks Cast Skipped! CTA Retermination way to rux to transact. Other___ Data off____ TTrip **Monitor Values** Bot. Rack Depth Depth Trip Time @ Sal. Other so Bot. # Samp. Conv. Mon. Values-CTD Sample Bot.Data Press. Temp. Cond. Temp. Other Press. Cond. Sal. Therm-P Avg Tw Sal. 3 Deint Rencueda 6 7 8 9 10 Initials

Pg. 18 of ____ Consec. Cast # 17 Vessel, McArthur Proj. & Leg Event# Vessel Sta. I.D. Instructions Sta. Designation Mc A 9417 Amukto Pass West Latitude Longitude E Date JD = Time Consec. Wind Cloud Sb. Cloud Sb. Cloud Sp. Cloud Sb. Cloud Sp. C Dry Wet Sta. Name Bar. Bottom or GMT Cast # S Deg. S. S. Deg. Bulb Min. Bulb mb Depth, m or I.D W Day Mo. Yr. Hr. Min. 1752930 80 80 88 398 79417 CTD **Monitor Checks** Times JD/Time **Data Location** Type & SN _____ on Deck at Surface 2300 Data on... Tape/Diskette I.D. Press. SN_____ File Name/Header at Surface___ 2302 Press. -0,890 1.730
Temp. 2.1178 Bucket 5.5
55343 5.418 33-34 CTD17A-3 Temp. SN____ 2303 -Start Down_ Cond. SN # 2315 at Bottom_ Start Up___ 2317 Other DO ST 3 Remarks 2327 ST 33.2526 at Surface___ 2328 Data off_ T Trip Time @ Bot. Rack Depth Depth Trip **Monitor Values** Conv. Mon. Values-CTD Sal. Other & O Sample Bot.Data Temp. Press. Cond. Other Temp. Press. Cond. Therm-P Avg Tw Sal. Sal. 33.700 380 33,720 23.15 378.109 3.9115 33, 7114 2 33,206 50 33,281 2324 50.517 4.8639 33.2745 33.286 3 5 6 7 8 8 9 9 10 10 П 11 12

Pg. 19 of ____ Consec. Cast # Vessel McArthur Proj. & Leg Event# Vessel Sta. I.D. Sta. Designation

Mc A 5 9 1 8 Instructions mukta - 2 Latitude Longitude E Date JD = Time Consec. Mind Sp. Cloud PulM Dry Wet Bottom | Sta. Name Bar. GMT Cast # S. S. W Day Mo. Yr. Hr. Min. Bulb Deg. Min. Depth, m or I.D S Deg. Bulb mb श्र 87 CTD **Monitor Checks** Times JD/Time Type & SN______ **Data Location** on Deck at Surface Data on DDD7 Tape/Diskette I.D. File Name/Header Press. SN_____ at Surface DDID Press. - 1912 1,143
Temp. 6,9793 3,143

75,143 35 CTD18A Temp. SN_____ Start Down____ 0011 Cond. SN # at Bottom____ 0023 Start Up 0024 Cond.
Other 6, 5T 33, 3133 Remarks at Surface____ 0034 T Trip Time @ **Monitor Values** Bot. Rack Depth Depth Trip Conv. Mon. Values-CTD Sample Bot.Data Sal. Other Sal. Other of Bot. # Samp. Press. Temp. Other Press. Temp. Cond. Cond. Sal. Therm-P Avg Tw 300 0093 298,941 4,0451 33,7409 30 0)33 28,653 4,8454 33,3175 3. 4 5 6 7 8 8 9 9 10 10 11 12

Initials	
✓	_

_																Г	8 20	01		
Со	nsec	.Cast	19	Vesse	Jeth	ur A	oj. & Leg 12 - 94-	·03 E	vent# Ves	sel Sta. I.D.	Instru	uctions A	muleta F	085-3		Sta. I	Designation	9419	7	
	nsec. st #		Latit g.	Min.	or	Longitud Deg.	or	Date JD = Day Mo.		Time GMT . Min.	Dry Bulb	Wet Bulb	Bar.	Wind গ্র Dir.	Wind Pnol	1		Sta. Nar or I.D	ne	
1952243 N17/440						71447	0 1	6 Jul	6 JUL940144 81 8188 09006							338 A9419				
CTD Type & SN							Mon	nitor Checks Times JD/Time Data Locate									ition			
					_		n Deck	at	Surface	Dat	a on	8610	Тар	e/Diskette	I.D.	File Na	me/Head	der		
					- ,	Press	197	7. 0	84 / 51	at Su	rface	0133		36						
					_ _	Press. —1. 197 3.084 5.117 at Surface 0133 36 Temp. —7.7162 5T 5.4520 at Bottom 0144													9	
<i>2</i>		55						···	. 3.4720	Stan	t Up	0144							W	
					- '	Cond			33, 33 33, 038					rks						
_			Tata			Other C			33.038	Dat	a off	0153				*	. 😑			
ပ္လို	Bot.	T Rack	Trip	Tim Depth	e @ Trip	Press.	Monito	or Values	1 01		onv. Mon.				nple Bot.[Sal.	Other Samp.	os.	
	8			Берит	Пф	riess.	remp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.	Bot. #	Samp.	<u>a</u>	
1	1 4/14	(10000001	315	**	0144			3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		315.113	3.7957		33. 2609			33,872	733.872		1	
2		11	30	Š.	0,51			- 4			4,5143	41	33,4729		÷.	20 44 24	> 33.456	,	2	
3		ı,								118 1			1 42						3	
4				Page.														8 N	4	
5		(4)										<u> </u>		.9					5	
6		8/1					0.4												6	
7						2 2 =								W	W.			-	7	
8															5.6				8	
9			i i		Di		33					i i		-	8			2)6	9	
0							1			. 101									10	
11							T.						10 E						11	
2		_				e#								_(9					12	

Pg. <u>21</u> of ____

C	nse	c.Cas	t# 27	Vesse	Meth	ur. Pr	oj. & Leg	Ev	vent#	Vessel S	Sta. I.D.	Instr	uctions	ukha Pa	15 50	stend	Sta. D	esignati	on 942	>
Со	nsec st #		Lati	tude Min.	N or	Longitu Deg.	or	Date J D =		Time GMT Hr.	- 1	Dry Bulb	Wet Bulb		Wind	Wind pnol	Bott Dept	om l	Sta. Nar or I.D	ne
	21	╂╾┑	2 2	n	NI	7/32	ı W	6741			7	80			041				94	20
	Ç	TD				1 7 3 1											- 0	1 1	<i>U</i> .	
1,45	, C C	JI 4			-	٥	n Deck	20	at Surface Data			a on C	240	Тар	e/Diskette		File Name/Header			
					-	Press.	94	0.47	477 at Surfac			face	2743					TD20 A, B		
					- -	Temp 8 18	66	Bycke	1 6.7	61/2	Start D	own tom	0345					J .		=
113		0.00									Start	: Up					33: 350			
					S /	other v.		15	3316	5061	at Sur	face	0308	Rema	rks			Đ	19	52
So.	Bot.	T Rack	Trip	Tim Depth	e @	- Dunca		or Values	T 0.1				Mon. Values-CTD			Pata	Sal.	Other	1 0	
1	49	. acit		2	тгр	Press.	Temp.	Cond.	Othe	er I	ress.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	0.0.0.0	+	Samp.	۵_
1			480	1	256)			344	46	3,618	3,5810		33, 9780			33.989 /	33.986	2	1
2		4	50	4	306			, ,		4:	7.031	5,2477	120	33.0626		- *	33.076	33.077	Eg =	2
3.				(§		Ŧ					71031	2,8777		33,060			33,076			3
4								- 32						 	124					
				18				E 53							875					4
5		74														100	s ⁷⁵ 91			5
6								2							3E					6
7													= 20						•	7
8									.1.					10		4		3 08		8
9			36										==							9
10			2					 		10										10
11						6 = _W				-				- EX						11
12										+				78	10	U		 		-
		{		<u> </u>]				<u> </u>	la inia la		12