

Consec. Cast # 001		Vessel McArthur		Proj. & Leg AR-94-03		Event #		Vessel Sta. I.D.		Instructions Yunaska-1						Sta. Designation McA 9401											
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg. W		Date JD = 194 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or I.D.						
001	53	32	9	N	170	30	9	W	13	JUL	94	09	27	7	8	7	0	2	3	8	0	5	0	0	2	2800	A9401
CTD Type & SN Seabird			Monitor Checks on Deck at Surface			Times JD/Time			Data Location																		
Press. SN			Press. 0.401			at Surface 0.710			Data on			Tape/Diskette I.D.											File Name/Header				
Temp. SN			Temp. 6.6136			Bucket 7.6			Start Down 0855			1-3											CTD01A, 01B, 01C				
Cond. SN			Cond. 32.5924			Sal 32.5402			at Bottom 0927																		
			Other 0.4571			Sal 32.5402			Start Up 0929																		
									at Surface 1031																		
									Data off																		
St. #	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos								
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.											
1			1500	0928						1492909	2.2998		34.4850			34.494 34.493 34.492	34.493		1								
2																			2								
3																			3								
4																			4								
5																			5								
6																			6								
7																			7								
8																			8								
9																			9								
10																			10								
11																			11								
12																			12								

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Consec. Cast # 2		Vessel <i>McArthur</i>		Proj. & Leg <i>AR-94-03</i>		Event #		Vessel Sta. I.D.		Instructions <i>Yunaska-2</i>										Sta. Designation <i>McA9402</i>	
Consec. Cast #	Latitude Deg. Min. S	N or S	Longitude Deg. Min. W	E or W	Date JD = Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.
	253241	N	170325	W	13	Jul	94	12	38	6.8	5.9	23			1	Calm				2100	A9402
CTD Type & SN		Press. SN		Temp. SN		Cond. SN		Monitor Checks				Times JD/Time				Data Location				Remarks	
								on Deck at Surface Press. <i>-1.389</i> <i>0.786</i> Temp. <i>6.7137</i> <i>7.7</i> Cond. <i>7.6078</i> Sal. <i>32.3899</i> Other <i>0.4126</i> <i>Th-Sals 32.5685</i>				Data on <i>1207</i> at Surface <i>1207</i> Start Down <i>1208</i> at Bottom <i>1238</i> Start Up <i>1239</i> at Surface <i>1319</i> Data off				Tape/Diskette I.D. <i>4-5 67</i> File Name/Header <i>CTD02A,B,C</i>					
Pos. Bot.	T Rack	Trip Depth	Time @ Depth Trip		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos. Bot.			
1		1500		1238	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			1			
2																		2			
3																		3			
4																		4			
5																		5			
6																		6			
7																		7			
8																		8			
9																		9			
10																		10			
11																		11			
12																		12			

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Consec. Cast # 3		Vessel McArthur		Proj. & Leg		Event#		Vessel Sta. I.D.		Instructions Yunaska-3										Sta. Designation					
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg. Min.		E or W	Date JD = Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
3	53	12	9	N	170	24	2	W	13	JUL	94	15	04	60	60	22	1	157	08			1550	A9403		
CTD Type & SN			Press. SN			Temp. SN			Cond. SN			Monitor Checks						Times JD/Time				Data Location			
												on Deck at Surface						Data on 1431				Tape/Diskette I.D. File Name/Header			
												Press. 0.702						at Surface 1431				7↓ 8↑ CT031, 313			
												Temp. 7.6						Start Down 1435							
												Cond. 7.4285						at Bottom 1504							
												Other 32.6422						Start Up 1506							
												Th-Sal 32.5743						at Surface 1536				Remarks			
																		Data off							
St. #	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	St. #						
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.									
1		15	1410		1505					1411.246	2.1895		34.5026			34.510 34.510 34.511	34.510	1							
2																		2							
3																		3							
4																		4							
5																		5							
6																		6							
7																		7							
8																		8							
9																		9							
10																		10							
11																		11							
12																		12							

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Consec. Cast #		Vessel <i>McArthur</i>		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions <i>Yunaska-4</i>										Sta. Designation									
Consec. Cast #		Latitude N or S Deg. Min.		Longitude E or W Deg.		Date JD = Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb		S.S. Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
		453075 N		170190 W		13 JUL 94		1636		60		57		22		4114008								975		A9404			
CTD Type & SN _____				Monitor Checks								Times JD/Time				Data Location													
Press. SN _____				on Deck at Surface								Data on 1614				Tape/Diskette I.D.				File Name/Header									
Temp. SN _____				Press. 0.330								at Surface 1614				94107				CTD04A, B									
Cond. SN _____				Bucket 3.0								Start Down 1616																	
				Th Sal 6.9012								at Bottom 1636																	
				6.7458								Start Up 1637																	
				32.4331								at Surface 1656																	
				Th Sal 5 32.6042								Data off																	
				Other <i>Salin</i>												Remarks													

Stn	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			893		1636	893					893.441	3.0267	3.145975	34.2267			34.233 34.236 34.236	34.235	1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

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Consec. Cast # 6		Vessel McArthur		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions Atka-N										Sta. Designation													
Consec. Cast #	Latitude Deg. Min. N or S		Longitude Deg. E or W		Date JD = Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.												
	6	52	57	9	N	174	04	9	W	14	Jul	94	10	00	8	3	8	2	1	2	25	5	1	1	3	3	6	0	A	9	4	0	6
CTD Type & SN		Press. SN		Temp. SN		Cond. SN		Monitor Checks on Deck at Surface Press. <u>-0.189</u> <u>1.059</u> Temp. <u>7.7904</u> <u>Bucket 7.4</u> <u>Therm-Sal 7.3007</u> Cond. <u>33.8713</u> Other <u>Sal 0.4174</u> <u>Therm-Sal 33.8066</u>				Times JD/Time Data on <u>0930</u> at Surface <u>0929</u> Start Down <u>0930</u> at Bottom <u>1000</u> Start Up <u>1001</u> at Surface <u>1022</u> Data off <u>1032</u>				Data Location Tape/Diskette I.D. <u>12, 13</u> File Name/Header <u>CTD06A,B</u> Remarks																	
Stn. No.	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. No.														
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.																	
1			1500		1000								1502.600	2.3031			34.4831				34.493	34.492	34.493			1							
2																										2							
3																										3							
4																										4							
5																										5							
6																										6							
7																										7							
8																										8							
9																										9							
10																										10							
11																										11							
12																										12							

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Consec. Cast # 7		Vessel McArthur		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions Atka-2										Sta. Designation McA 9407																
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.													
	7	52	45	9	N	174	05	0	W	14	54	19	4	06	8	5	8	5	1	2	1	2	4	0	1	0	2	9	7	0	A	9	4	0	7	
CTD Type & SN Seabird 911+		Press. SN		Temp. SN		Cond. SN		Monitor Checks on Deck at Surface Press. 469 Temp. 7.8153 Cond. 32.8302 Other 0.8504 Bucket 7.5 Therm Sal 7.5084 Therm Sal 7.4409 Therm Sal 32.7766						Times JD/Time Data on 1135 at Surface 1134 Start Down 1135 at Bottom 1206 Start Up 1207 at Surface 1243 Data off 1244						Data Location Tape/Diskette I.D. File Name/Header Remarks																
St. No.	Bot.	T Rack	Trip Depth	Time @ Depth Trip		Monitor Values Press. Temp. Cond. Other				Conv. Mon. Values-CTD Press. Temp. Cond. Sal.				Sample Bot. Data Therm-P Avg Tw Sal.			Sal. Bot. #	Other Samp.	St. No.																	
1			1500																																	
2																																				
3																																				
4																																				
5																																				
6																																				
7																																				
8																																				
9																																				
10																																				
11																																				
12																																				

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Consec. Cast # 8				Vessel McArthur				Proj. & Leg				Event #		Vessel Sta. I.D.				Instructions Atka-3										Sta. Designation						
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD =			Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
		8 52 33 1 N			1 74 05 1 W			14 JUL 94			14 23		8 6		8 6		1 1						2 40 08						2050		A9408			
CTD Type & SN				Monitor Checks										Times JD/Time				Data Location																
Press. SN				on Deck at Surface										Data on 1353				Tape/Diskette I.D. File Name/Header																
Temp. SN				Press. 0.432 -0.639										at Surface 1352				17418 CTD08A, B																
Cond. SN				Temp. 7.9834 Bucket 7.6 7.5548										Start Down 1353																				
				Cond. Sal 0.9660 TS 32.8202										at Bottom 1423																				
				Other										Start Up 1404																				
														at Surface 1452				Remarks																
														Data off 1455																				

Pos.	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos.	
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.				
1			1500		1423															
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Initials

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Consec. Cast # 9		Vessel <i>McArthur</i>		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions <i>Atka-4</i>										Sta. Designation			
Consec. Cast #	Latitude N or S		Longitude E or W		Date JD =			Time GMT		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
	9	52	28	1	N	174	06	0	W	14	JUL	94	16	02	9	0	9	0	1	1	24008	1320	A9409
CTD Type & SN <i>911+</i>		Monitor Checks								Times JD/Time				Data Location									
Press. SN		on Deck				at Surface				Data on <i>1530</i>				Tape/Diskette I.D.				File Name/Header					
Temp. SN		Press. <i>21.609</i>				0.397				at Surface <i>1532</i>				<i>219, 207</i>				<i>CTD91, B</i>					
Cond. SN		Temp. <i>8.8234</i>				Bucket <i>7.7</i> <i>7.5</i>				Start Down <i>1533</i>													
		Cond. <i>32.9384</i>				TS <i>7.6670</i>				at Bottom <i>1602</i>													
		Other <i>0.000</i>				TS <i>32.7745</i>				Start Up <i>1604</i>													
										at Surface <i>1633</i>													
										Data off								Remarks					

Stn. #	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. #
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			1300		1603														
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

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Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation										
Consec. Cast #		Latitude		Longitude		Date JD =			Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
10		McArthur								Atka - end										McA 9410										
1052250		N		174060		W			1454494			1716		90		90		10		Calm				600		A9410				
CTD Type & SN				Monitor Checks								Times JD/Time				Data Location														
Press. SN				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header										
Temp. SN				Press. -1.293				0.778				at Surface 1657				21														
Cond. SN				Temp. 8.5283				Bucket 7.6				Start Down 1659				CTDADA, B														
				Cond.				7.5363				at Bottom 1716																		
				Other 0.0026				32.0459				Start Up 1717																		
				IS 32.7766				at Surface																						
				Data off																										
Pos		Bot. Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		Pos						
Pos		Bot. Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		Pos						
Pos		Bot. Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		Pos						
1				580		1716						580.651 3.4348				34.1131								1						
2				175		1729						175.822 4.1154				33.1032				33.114				2						
3																				33.112				3						
4																								4						
5																								5						
6																								6						
7																								7						
8																								8						
9																								9						
10																								10						
11																								11						
12																								12						

Initials ✓

Consec. Cast # 11		Vessel McArthur		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions Alaska str. - North										Sta. Designation MCA9411					
Consec. Cast #	Latitude N or S		Longitude E or W		Date JD =			Time GMT		Dry Bulb	Wet Bulb	Bar. mb	SS	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.				
	11	51	54	0	N	17	33	10	W	15	Jul	94	07	57		80		80	99		160	18		150	A9411
CTD Type & SN		Press. SN		Temp. SN		Cond. SN		Monitor Checks				Times JD/Time				Data Location				Remarks					
								on Deck at Surface				Data on at Surface Start Down at Bottom Start Up at Surface Data off				Tape/Diskette I.D. File Name/Header									
								Press. -1.410 1.430				0749 0750 0752 0757 0800				22 CTD11A									
								Temp. 8.2040 15 5.8716																	
								Cond. 0.0009 15 32.7010 32.6505																	

Pos	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			128		757					128.835	4.5632		33.3640			33.376 33.376 33.379	733.377		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

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Consec. Cast #		15		Vessel		McArthur		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions		At Stream - 5'		Sta. Designation																					
Consec. Cast #		Latitude		N or S		Longitude		E or W		Date JD =		Time GMT		Dry Bulb		Wet Bulb		Bar. mb		SS		Vis.		Wind Dir.		Wind Sp.		Cloud		Type		Weath.		Bottom Depth, m		Sta. Name or I.D.			
15		51		40		00		N		17		33		15		W		15		54		94		15		29		90		89		89		210		16		3450A9415	
CTD Type & SN				Monitor Checks				Times JD/Time				Data Location																											
Press. SN				on Deck				at Surface				Tape/Diskette I.D.				File Name/Header																							
Temp. SN				Press. 0.344				Data on 1505				32				CTDISA																							
Cond. SN				Bucket 8.5				at Surface 1505																															
				ST 8.4427				Start Down 1506																															
				Cond. 32.07				at Bottom 1529																															
				Other ST 31.9760				Start Up																															
								at Surface																															
								Data off																															
Remarks				NO samples, 5-kind checked at ~1000m. Most birds would?																																			

Pos	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1																		1	
2																		2	
3																		3	
4																		4	
5																		5	
6																		6	
7																		7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	

No Samples
Cast O.K.

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Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation													
18		McArthur								Amukta-2										MA9418													
Consec. Cast #		Latitude		Longitude		Date JD =		Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.			
18		52 21 2		N 171 50 2		W 16 JUL 94		00 23		80		80		87						170		06						325		A9418			
CTD Type & SN				Monitor Checks								Times JD/Time				Data Location																	
Press. SN				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header													
Temp. SN				Press. -1.912				1.143				at Surface				35				CTD18A													
Cond. SN				Temp. 6.9793				Bucket 5.4				Start Down																					
				ST 5.7734				5.185				at Bottom																					
				Cond.								Start Up																					
				Other								at Surface																					
				ST 33.3133								Data off																					
				ST 33.1655																													
St. Pos.		Bot. Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #		Other Samp.		St. Pos.										
1				300		0033		Press.		Temp.		Cond.		Other		Press.		Temp.		Cond.		Sal.		Therm-P		Avg Tw		Sal.				1	
2				30		0032										298.941		4.0451				33.7409		NO		Trip				2			
3																28.653		4.8454				33.3175								3			
4																														4			
5																														5			
6																														6			
7																														7			
8																														8			
9																														9			
10																														10			
11																														11			
12																														12			

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Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions		Sta. Designation																					
19		McArthur		AR-94-03						Amukta Pass-3		MCA 9419																					
Consec. Cast #		Latitude		Longitude		Date JD =		Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud		Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
19		52 24 3		N 171 44 0		W 16 JUL 94		01 44		8 1		8 1		8 8						09006								338		A9419			
CTD Type & SN		Press. SN		Temp. SN		Cond. SN		Monitor Checks		Times		JD/Time		Data Location		Tape/Diskette I.D.		File Name/Header		Remarks													
								on Deck at Surface		Data on		0128		Tape/Diskette I.D.		36		File Name/Header		CTD19A													
								Press. -1.197 2.084 5.117		at Surface		0133																					
								Temp. 7.7162 5.4520		Start Down		0135																					
								Cond.		at Bottom		0144																					
								Other		Start Up		0145																					
								Sal 0.		at Surface		0152																					
								ST 33.3325		Data off		0153																					
								ST 33.0380																									
St. Bot.		T Rack		Trip Depth		Time @		Monitor Values		Conv. Mon. Values-CTD		Sample Bot. Data		Sal. Bot. #		Other Samp.		Pos.															
1				315		0144		Press. Temp. Cond. Other		Press. Temp. Cond. Sal.		Therm-P Avg Tw Sal.		33.872				1															
2				30		0151				315.113 3.7257		33.8729		33.872		33.872		2															
3										28.073 4.5143		33.4729		33.451		33.456		3															
4																		4															
5																		5															
6																		6															
7																		7															
8																		8															
9																		9															
10																		10															
11																		11															
12																		12															

Initials
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Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions		Sta. Designation												
20		McArthur								Amukta Pass East end		No A9420												
Consec. Cast #	Latitude		N or S	Longitude		E or W	Date JD =		Time GMT		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
	Deg.	Min.		Deg.			Day	Mo.	Yr.	Hr.	Min.													
	20	52	26	0	N	17	1	32	1	W	16	JUL	94	02	56		8	0	8	0	8	7		
CTD Type & SN				Monitor Checks		on Deck		at Surface		Times		JD/Time		Data Location		Tape/Diskette I.D.		File Name/Header						
Press. SN				Press.		-1.194		0.477		Data on		0240				37438		CTD20A,B						
Temp. SN				Temp.		8.1266		Bucket 6.7		Start Down		0245												
Cond. SN				Cond.				32.6389		at Bottom		0256												
				Other		Sal 0		TS 32.5061		Start Up		0257												
										at Surface		0308												
										Data off		0308												