Wind Speed is knots

Pg. 1 of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
1	NOAA Ship SURVEYOR	SU-94-06			Well north of expected position	CTD001

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 246	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
1	56	32.9	N	172	51.8 W	03	SEP	94		18	20	8.6	8.9	13	3	8	317	8.7	48	1		1067	1

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks	on Deck	at Surface
Press.	3283.023	
Temp.	7764.08	
Cond.	3077.74	
Other		

Times	JD/Time
Data on	1746
at Surface	1758
Start Down	1758
at Bottom	1820
Start Up	
at Surface	
Data off	

Data Location	
Tape/Diskette I.D.	File Name/Header
CTD001	

Remarks: South end Line K #122 on Cruise Plan

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				✓						1013.398	2.8332		34.3474			34.3340	001		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

10m = 32839.7

Initials SS

✓

30 45

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CT002

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD – 246 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
2	56	34.2	N	172	49.7	W	03	SEP	94	1933		90		89	1	4	38	3	14	1	273	CT002

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 1927

Start Down 1927

at Bottom 1933

Start Up 1933

at Surface 1941

Data off 1933

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks 500m cast skipped; < 1 mile from 1000m. Chlam not on

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1				bot						245.744	3.6286		33.5568	No help					1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
3	NOAA Ship SURVEYOR	SU-94-06				CTD003

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 246 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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	56	40.5	N	172 38.5	W		SEP	94	20	55	9.1	9.3	1015	3	7	330	14	8	2	132	CT003

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 2050

at Surface 2051

Start Down 2051

at Bottom 2056

Start Up 2056

at Surface 2100

Data off 205

Data Location

Tape/Diskette I.D. ____ File Name/Header ____

Remarks Wait 5 min

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			80							125.185	3.9596		32.9503			N/A	002		1
2										124.572	3.9601		32.9508			32.9389			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
CTD004	NOAA Ship SURVEYOR	SU-94-06				CTD004

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr.	JD = 246	Time GMT Hr.	Time GMT 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
4	56	46.9	N	172	25.6 W	03	SEP	94		22	18	88	90	1015	3	7	350	14	7	7	5	126	4

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 2212
at Surface 2212
Start Down 2212
at Bottom 2218
Start Up 2219
at Surface 2222
Data off

Data Location 125

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							117.253	3.9013		32.8991				003		1
2										117.298	3.8978		32.8985			32.8872			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓ ____

2341 V oltage!

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD005

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
	56	52.9	N	172	13.4 W	03	SEP	94	23	47	8.4	9.0	1016	3	7	34	17	8	8	2	126	CTD005

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 2344
at Surface 2344
Start Down 2344
at Bottom 2347
Start Up 2348
at Surface
Data off

Data Location 90?

Tape/Diskette I.D.	File Name/Header

Remarks Lots of birds around the ship at this station.

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							91.618	3.9963		32.8551			33.0189?	004		1
2										87.287	3.9973		32.850			33.0[illegible]?			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS
✓

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
006	NOAA Ship SURVEYOR	SU-94-06				CTD 006

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
006	56	58.9	N	172	01.2 W	04	SEP	94	01	03	84	80	1016	4	8	345	24	8	8	2	116	6

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 0059

Start Down 0059

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks 2 BOTTLES TRIPPED

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							97.574	3.9141		32.7516			32.7420	005		1
2										97.032	3.9138		32.7518						2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
007	NOAA Ship SURVEYOR	SU-94-06				CTD007

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
007	57	04.9	N	171 49.1		04	SEP	94	02	13	79	89	17	4	8	343	18	8	1	110	007

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on	02
at Surface	0211
Start Down	0211
at Bottom	13
Start Up	
at Surface	
Data off	

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks 2 BOTTLES TRIPPED

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1	✓		BOT							90.079	3.7771		32.6676			32.6598	006		1
2										89.609	3.7761		32.6667						2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
008	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
008	57	10.8	N	171	35.8	04	SEP	94	03	21	8.1	8.5	1017.4	8	3	38	14	8	8	2	107	008

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom 21
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D. | File Name/Header

Remarks 2 BOTTLES TRIPPED (#9 & 10)

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							88.389	3.6768		32.5403			32.5289	007		1
2										88.531	3.6780		32.5422						2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
009	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
009	57	17.1	N	171239	W	04	SEP	94	04	31	7.9	6.3	1017.4	8	3	19	19	8	8	2	105	009

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom 30
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____ File Name/Header ____

Remarks TWO BOTTLES TRIPPED

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							92.576	3.6645		32.4877			32.4793	008		1
2										93.001	3.6648		32.4878						2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
010	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 247	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
010	57	23.0	N	171	12.1	04	SEP	94		05	43	7.4	7.0	18	4	8	330	17	7	8	1	95	10

CTD Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD010

Remarks BOTTLE 3 TRIPPED OK

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT	0543						90.912	3.6656		32.4780			32.4685	009		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
011	NOAA Ship SURVEYOR	SU-94-06				11

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
011	57	29.0	N	171	00.1 W	04	SEP	94	07	01	7.3	6.9	1019.4	7	0	002	16.7	8	1		88	11

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down 0758
at Bottom 0801
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD011

Remarks BOTTLE #4 TRIPPED OK

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							84.399	4.3916		32.1247			32.1154	010		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
012	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 247	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
012	5734	9	N	171	47 91	04	SEP	94		08	14	76	62	1947			359	17	66	1		82	12

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD012

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							69.534	4.5765		32.0374			32.0266	011		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
013	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
013	57	41.0	N	171 36.0	W	04	SEP	94	09	32	7.6	6.2	20	4	7	346	13	7	6	1	73	1

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down 0930
at Bottom 0932
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header CTD013

Remarks 2 marks, use first. Bottle did not trip. no salinity sample

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1	✓		BOT							66.19	4.2404		32.0531				—		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR
✓

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
014	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
014	57	46.9	N	171 23.8	W	04	SEP	94	10	45	7.4	5.5	21	4	7	333	14	6	6	1	70	14

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down 1043
at Bottom 1045
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header CTD014

Remarks Because bottle did not trip on cast 13, will use 2 bottles, 2 marks. If both bottles trip, will use first bottle + first mark.

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT			61.586	3.4106			61.586	3.4106		32.0893			32.0758	12		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR
✓

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
15	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
015	57	52.9	N	170	122	04	SEP	94	12	01	7.5	6.0	21	4	7	344	18	56	1	70	15

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down 11 59
at Bottom 1201
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							66.804	3.1016		32.1079			32.1000	13		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
016	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 247 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
16	57	59.2	N	169 59.9		04	SEP	94	13	17	77	60	21	5	7	356	17	5	61	72	16

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks 3/7

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down 1314
at Bottom 1316
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____ File Name/Header ____

Remarks North end line K

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							65.346	2.6814		32.0621			32.0514	14		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
17	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr. (JD = 247)	Time GMT Hr.	Time GMT 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
17	57	53.9	N	170 13.3		04	SEP	94	14	22	78	65	22	57	35	019	4	6	1	68	17

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down 1420
at Bottom 1423
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D. | File Name/Header

Remarks North end line L

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							68.262	29754		32.1191				NO SAMPLE TAKEN		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS
✓

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
18	NOAA Ship SURVEYOR	SU-94-06				CTD018

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 247 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	57	50.9	N	170 28.2	W		SEP	94	15	32	70	65	23	57	3	56	18	86	1	72	18

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 1527
at Surface 1527
Start Down 1528
at Bottom 1529
Start Up
at Surface 1537
Data off 1537

Data Location
Tape/Diskette I.D.
File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				70						70.851	3.5968		32.0516			32.0805	15	Q73	1
2				55						54.745	3.6405		32.0854					Q74	2
3				35						37.203	8.5407		32.0209					Q75	3
4				15						17.195	8.7067		31.9823					Q76	4
5				5						7.426	8.7068		31.9823					Q77	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS
✓ ____

1750

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
19	NOAA Ship SURVEYOR	SU-94-06				CTD019

Consec. Cast #	Latitude Deg.	Latitude 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
19	57	47.0	N	170	42.9	W	04	SEP	94	17	56	82	69	24	4	83	49	11	66	1	82	19

CTD Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 1753
at Surface 1753
Start Down 1753
at Bottom 1756
Start Up 1757
at Surface 1758
Data off

Data Location 81

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1	✓		Bot							72.453	3.7625		32.0927			32.08266	016		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓ ____

1089 1100

Pg. 20 of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
20	NOAA Ship SURVEYOR	SU-94-06				CTD020

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	Longitude	E or W	Date JD = 247 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	57	43.3	N	170	58.2	W	04	SEP	94	19	01	85	75	254	8	2	51	9	66	1	88	20

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 1858

at Surface 1858

Start Down 1858

at Bottom 1901

Start Up

at Surface

Data off

Data Location 89

Tape/Diskette I.D.

File Name/Header

Remarks 2 bottles

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		Bot							82.055	3.7646		32.1467				017		1
2										81.532	3.7665		32.1463			32.1390	017		2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓

5

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD021

Consec. Cast #	Latitude Deg.	Latitude 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
21	57	40.2	N	171	37 W	04	SEP	94	20	06		77		3	8			3	6	1	96	21

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom 2006
Start Up
at Surface
Data off

Data Location 96
Tape/Diskette I.D.
File Name/Header

Remarks

NUTRIENTS

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				79												32.3686	018	Q78	1
2				55														Q79	2
3				35														Q80	3
4				15														Q81	4
5				5														Q82	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓

6

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CT022

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 247	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
22	57	37.2	N	171	24	04	SEP	94		21	41	84	74	27	3	8	010	05	3	6	1	97	CT022

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on	2138
at Surface	2138
Start Down	2138
at Bottom	2141
Start Up	
at Surface	
Data off	

Data Location 97

Tape/Diskette I.D.	File Name/Header

Remarks Bot 1 no trip

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				85											No	trip			1
2				55												32.1631			2
3				35															3
4				15															4
5				5															5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

678

Initials SS

✓

44 7

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
23	NOAA Ship SURVEYOR	SU-94-06				CTD023

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date ID = 247 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
23	57	33.1	N	171 42.7	W	04	SEP	94	22	49	97	78	26	3	8	310	10	28	1	1011	23

CTD Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times ID/Time

Data on 2246
at Surface 2246
Start Down 2246
at Bottom 2249
Start Up
at Surface
Data off

Data Location

Tape/Diskette I.D. | File Name/Header

Remarks trip 3 ! 2 tripped

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							92.858	3.5590		32.6503			32.6380			1
2										92.922	3.5590		32.6508						2
3										93.044	3.5593		32.6509						3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓ ____

52 558

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
24	NOAA Ship SURVEYOR	SU-94-06				CTD024

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 247 Day	Mo.	Yr.	Time GMT Hr.	Time GMT Min.	Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or I.D
24	57	30.3	N	171 58.0	W	04	SEP	94	23	58	13.0	9.1	27	3	8	005	06	2	8	1	104	24

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 2353

at Surface 2353

Start Down 2354

at Bottom 2357

Start Up

at Surface

Data off

Data Location 104

Tape/Diskette I.D.

File Name/Header

Remarks Split

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp. (NUTS)	Pos.
1				d ✓						89.421	3.7172		32.7396			32.7254	71	Q87	1
2				75 ✓						76.434	3.6610		32.7145					Q88	2
3				55 ✓						56.952	4.0435		32.5010					Q89	3
4				35 ✓						34.792	8.7011		32.2532					Q90	4
5				15 ✓						14.831	8.8670		32.1806					Q91	5
6				5						5.206	9.0173		32.1905					Q92	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials SS

✓

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				25

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 248	Time GMT Hr.	Time GMT 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
025	57	26.5	N	172	12.1	05	SEP	94		01	55	88		27	3	8	015	05	2	8	1	1107	25

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 0148
Start Down ____
at Bottom ____
Start Up ____
at Surface 0205
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD025

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp. (hours)	Pos.
1			BOT							93.477	3.4360		32.6928			32.6780	22	Q93	1
2			75							77.693	3.3261		32.6770					Q94	2
3			55							55.943	3.8200		32.5712					Q95	3
4			35							35.394	4.7562		32.3968					Q96	4
5			15							15.015	8.8849		32.1796					Q97	5
6			5							5.382	9.0206		32.1857					Q98	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
026	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 248 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
026	57	22.0	N	172765	W	05	SEP	94	03	11	88	93	27	3	8	07	06	2	8	1	108	26

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom 0311

Start Up ____

at Surface 0314

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD026

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							97.155	3.5316		32.7056			32.6932	23		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
027	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 248	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
027	57	18.87	N	172 42.26	W	05	SEP	94		05	07	86	76	2638	1	2	09	4	8	1	112	27

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 0421
Start Down 0421
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD027

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							112.361	3.8043		32.7897			32.7756	024	Q99	1
2			100							101.521	3.6589		32.7674					Q100	2
3			75							74.920	3.2776		32.6783					Q101	3
4			55							54.975	4.2176		32.6051					Q102	4
5			35							35.398	8.6518		32.2564					Q103	5
6			15							14.401	8.9490		32.2039					Q104	6
7			5							6.139	9.3609		32.2022					Q105	7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 248 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
28	57	14.87	N	172 57.86	W	05	SEP	94	06	21	8.5	7.7	273.8	1	4	0	11	7	8	113	28

CTD Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD028

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							109.718	3.2649		32.7228			32.7108	025		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
29	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 248	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
29	57	11.92	N	173.124	W	05	SEP	94		07	31	86	74	273.8	1	4	0	15	8	82	118	29

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom 31
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD029

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1	✓		BOT							113.404	3.4476		32.8107			32.7971	026		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
30	NOAA Ship SURVEYOR	SU-94-06				30

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 248	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
30	57	09.0	N	173 26.8		05	SEP	94		09	33	8.5	7.0	27	3	8	141	13	42	1	133	30

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down 08:37
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D. | File Name/Header

Remarks Tape not started. oops, entirely my fault. SPLIT.

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1	✓		Bot							126.706	3.8997		32.9963				DID NOT TRIP		1
2			100							102.186	3.9567		32.9579			32.9422	027	Q106	2
3			75							77.1092	4.1629		32.8687					Q107	3
4			55							56.424	4.1629		32.7742					Q108	4
5			35							35.637	7.5164		32.4220					Q109	5
6			15							15.399	9.0646		32.2681					Q110	6
7			5							5.318	9.0955		32.2568					Q111	7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR
✓

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
31 ~~030A~~	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 241 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
~~030A~~ 31	57	09.31	N	173269	0	06	SEP	94	01	51	90	90	2358	1	4	7	24	8	3	2 133	36

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down 01 47
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD030A

Remarks Took two bottles @ 100m Firing light on deck unit is not coming on. 8 Bottles tripped

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							127.871	3.8505		32.9706		?	34.9214	001	112	1
2			100							101.888	3.6915		32.9068				002	113	2
3			100							101.985	3.6973		32.9084					114	3
4			75							76.093	3.8030		32.8883					115	4
5			55							56.187	4.5940		32.7955					116	5
6			35							37.363	8.909		32.6215					117	6
7			15							15.382	9.0085		32.4635					118	7
8			5							4.771	9.0057		32.4620					119	8
9																			9
10																			10
11																			11
12																			12

Bongo 5 Autosal 32.2911

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
32	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 249 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
32	57	04.36	N	173412		06	SEP	94	04	33	92	87	21	57	14	525	8	3	2	2332	32

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD031

Remarks #1 Bottle didn't trip
Moved bottles over one position

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							201.022	3.5483		33.3400			~~33.3402~~	DID NOT TRIP		1
2			175							176.948	3.5551		33.2507			33.2401	002	Q120	2
3			150							150.899	3.6417		33.1603					Q121	3
4			125							125.322	3.8045		33.1032					Q122	4
5			100							100.378	3.9909		33.0239					Q123	5
6			75							75.151	4.3493		32.9123					Q124	6
7			55							56.321	4.9928		32.8295					Q125	7
8			35							36.094	8.9541		32.6602					Q126	8
9			15							15.895	9.2165		32.5833					Q127	9
10			5							4.068	9.2170		32.5826					Q128	10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
33 ~~32~~	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 249 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
33	57	02.23	N	173 48.29		06	SEP	94	06	25	9.1	8.9	2057		12	26	26	8	3	563	561 33

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD037

Remarks No Bottles tripped (Rosette pos. #2)

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							554.349	3.4677		34.0724				DID NOT TRIP		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
34 ~~33~~	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 249 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
34 ~~33~~	56	59.0	N	173	58.7	06	SEP	94	08	09	9.3	9.0	1019.5	7	1	36	28	8	3	5	965	34

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom 0810
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header CTD033

Remarks TRP033.MEK not renamed. should it be? South end line L

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			✓BLANK							959.246									1
2			✓BOT							~~555.965~~	2.8878		34.3313				DID NOT TRIP		2
3			✓550							555.965	3.5761		34.0435			34.0305	003	Q129	3
4			✓450							454.481	3.6736		33.9138					Q130	4
5			✓350							355.223	3.7595		33.7629					Q131	5
6			✓250							251.548	3.6465		33.5078					Q132	6
7			✓150							152.074	3.2568		33.2178					Q133	7
8			✓75							74.527	4.2420		32.9918					Q134	8
9			✓45							44.6666	6.1340		32.7349					Q135	9
10			✓15							15.746	9.2781		32.5619					Q136	10
11			5							4.581	9.3128		32.5577					Q137	11
12																			12

Initials CH/WER
✓ ____

Pg. ____

Consec. Cast # 35	Vessel NOAA Ship SURVEYOR	Proj. & Leg SU-94-06	Event#	Vessel Sta. I.D.	Instructions	Sta. Designa

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 249 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. or I.
35	54	5	47.5	N	174	29		06	SEP	94	1603	95	94	14	5	7	13	29	8	7	5	790	38

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom 1604
Start Up
at Surface
Data off

Data Location Started at >1000 Ended at 790
Tape/Diskette I.D. File Name/Header

Remarks Tape started at ~150 m. Started >1000, bottom 790, sfc ~600! South end M

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			Blank																1
2			BOT							no	mrk	file				33.3833	004		2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR
✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
36	NOAA Ship SURVEYOR	SU-94-06				?

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	Longitude Min.	E or W	Date Day	Date Mo.	Date Yr.	JD = 249	Time GMT Hr.	Time GMT 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
36	57	46.6	N	174	15.1	W	06	SEP	94		17	15	9.6	9.3	14	5	6	154	24	8	7	5	180	36

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 1709

at Surface 1709

Start Down 1709

at Bottom 1715

Start Up 1716

at Surface 1720

Data off 1716

Data Location 200

Tape/Diskette I.D. 35

File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				190						174.120	3.5773		33.2404			33.2338	005		1
2				15						16.712	9.1296		32.6378			32.6283	006		2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ✓

911
23

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
37	NOAA Ship SURVEYOR	SU-94-06				37

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr.	JD = 249	Time GMT Hr.	Time GMT 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
37	57	48.6	N	173 54.3		06	SEP	94		18	46	9.6	9.6	1015.6	5	4	21	8	7	4		582	37

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 1833
at Surface 1833
Start Down 1833
at Bottom 1846
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D. ____ File Name/Header ____

Remarks NO Chlam
on small valley 35 36 37 38...

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				567						566.779	3.4609		34.0669			34.0552	007		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
38	NOAA Ship SURVEYOR	SU-94-06				CTD038

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 249 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
38	57	49.8	N	173 38.9	W	06	SEP	94	20	10	96	95	1155	55	16	72	28	7	5		138	CT038

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 2004
at Surface 2004
Start Down 2004
at Bottom 2010
Start Up 2011
at Surface
Data off

Data Location
Tape/Diskette I.D. | File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			130	1						129.617	3.7277		33.0485			33.0406	008		1
2			130							131.178	3.7278		33.0499						2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

1206
8-9

Initials ✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
39	NOAA Ship SURVEYOR	SU-94-06				CTD039

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 249 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
39	57	51.2	N	173 20.9	W	06	SEP	94	21	31	98	97	155	55	166	22	87	2			136	CT039

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 2127
at Surface 2127
Start Down 2127
at Bottom 2131
Start Up
at Surface 2135
Data off 2131

Data Location 130
Tape/Diskette I.D.
File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							110.515	3.5648		32.9873			32.9775	009		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
40	NOAA Ship SURVEYOR	SU-94-06				CTD040

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 249 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
40	57	51.5	N	173 04.0	W	06	SEP	94	22	45	9.7	9.9	1165	5	5	177	23	8	7	5	121	CT040

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 2241

at Surface 2241

Start Down 2241

at Bottom 2245

Start Up

at Surface

Data off

Data Location

Tape/Diskette I.D. | File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			105							105.278	2.842		32.7150			32.7069	010		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
41	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 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
41	57	52.56	N	172 47.80		07	SEP	94	00	16	98	98	1553			172	179	5	4		122	41

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD041

Remarks Bottle 1, pos. #2

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			80T							102.171	2.4996		32.6270			32.6197	011		1
2			15							14.583	8.9823		32.3278						2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
42	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	F or W	Date JD – 250 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
42	57	53.02	N	172 31.72		07	SEP	94	01	28	9.5	10.0	1553	3	19	22	9	5	4		120	42

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD042

Remarks Bottle #3, Position #4

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							192.170	2.2132		32.5594			32.5512	012		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
43	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 250	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
43	57	54.35	N	172 14.8		07	SEP	94		02	45	9.7	9.9	1015.3			192	20	9	4	117	43

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD043

Remarks Bottle #4, Pos. #5

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			15							14.730	8.8418		32.1874			32.1797	013		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
44	NOAA Ship SURVEYOR	SU-94-06				44

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr.	JD = 250	Time GMT Hr.	Time GMT 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
44	57	56.77	N	171586		07	SEP	94		03	54	95	95	15	53		184	21	9		4	116	44

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD044

Remarks BOTTLE 5 TRIPPED
Fog

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							97.103	2.7542		32.5284			32.5218	014		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				45

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
45	57	56.58	N	127 19.267	W	07	SEP	94	05	00	9.4	9.5	1653			182	22	9		4	98	45

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD045

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			15							15.425	8.9472		32.0629			32.0552	015		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
46	NOAA Ship SURVEYOR	SU-94-06				46

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr. (JD = 250)	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
46	57	57.71	N	171 26.66		07	SEP	94	06	04	10.6	9.4	16	5	5	19	22	09	4	93	46

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header: CTD046

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			80							86.546	3.0287		32.3143			32.3046	016		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
47	NOAA Ship SURVEYOR	SU-94-06				47

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 250	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
47	57	58.78	N	171 10.52		07	SEP	94		07	09	9.4	9.4	1655			183	219		4	87	97

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD 047

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			5							14.261	8.7673		32.0564			32.0493	017		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Fog: Rain - oil bag

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
48	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD – 250 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
48	57	59.8	N	170 53.7		07	SEP	94	08	14	8.1	9.5	16	5	5	194	25	9	46	92	48

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down 0812

at Bottom 0814

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks use 2nd mark for bottle.

SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							77.788	3.4666		32.1307			32.1243	018		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
49	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 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
49	58	00.9	N	170	37.7	07	SEP	94	09	24	9.4	9.5	16	5	5	205	26	9		6	85	49

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down 9:21

at Bottom 9:24

Start Up 9:24

at Surface ____

Data off ____

Data Location 85

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							69.643	3.1407		32.1392			32.1313	019		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCRuen

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
50	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 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
50	58	01.8	N	170 21.9		07	SEP	94	10	28	96	95	16	5	5	185	22	9	4	75	50

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location .75

Tape/Diskette I.D.	File Name/Header

Remarks Rossette at first position, so tripped two bottles. Salinity taken from first.

SPLIT!

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							65.738	28.944		32.1317			32.1230	020		1
2			BOT																2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCluy

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
51	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr.	JD = 250	Time GMT Hr.	Time GMT 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
51	58	03.8	N	170 04.7		07	SEP	94		11	43	94	95	16	56	204	239		5			76	51

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks North end M

! SPLIT !

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			Bot							63.097	2.7115		32.1113			32.1036	021		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
52	NOAA Ship SURVEYOR	SU-94-06			Bongo 7	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	JD = 250 Yr.	Time GMT Hr.	Time GMT 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
52	58	30.8	N	169 53.9	W	07	SEP	94	14	26	93	95	15	54	21	218	9	6		75	52

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times	JD/Time
Data on	
at Surface	
Start Down	
at Bottom	
Start Up	
at Surface	
Data off	

Data Location	
Tape/Diskette I.D.	File Name/Header

Remarks Temp. values look wrong, but followed same pattern on up cast. XBT confirmed. SPLIT North end N

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			Bot							64.791	0.4137		31.7722			31.6652	022	138	1
2			55							54.498	0.4139		31.7723					139	2
3			35							36.473	0.4036		31.7705					140	3
4			15							16.931	7.8021		31.4233					141	4
5			5							5.007	7.8011		31.4256					142	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

16

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD053

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
53	58	28.9	N	176 06.7	W	07	SEP	94	16	34	90	90	13	4	5	224	18	9	7	65	53

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 1632

Start Down ____

at Bottom 1634

Start Up ____

at Surface ____

Data off ____

Data Location 70

Tape/Diskette I.D. ____ File Name/Header ____

Remarks Split

Pos.	Bot.	I Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			65							65.689	0.2386		31.8046			31.7976	023		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
54	NOAA Ship SURVEYOR	SU-94-06				CTD054

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
54	58	27.9	N	170269	W	07	SEP	94	17	47	91.9	2	1	3	4	3	223	17	9	7	72	54

CTD Type & SN	Monitor Checks on Deck	Monitor Checks at Surface	Times JD/Time	Data Location Tape/Diskette I.D.	File Name/Header
Press. SN 93450-209	Press.		Data on		
Temp. SN 53586	Temp.		at Surface 1744		
Cond. SN 1455	Cond.		Start Down		
748	Other		at Bottom 1746		
			Start Up		
			at Surface		
			Data off		

72

Remarks no ~~leg~~ free light at 1st trip
Split

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			70							69.365	0.8002		31.9766			31.9657	024		1
2			15							16.987	8.1442		31.7775			31.7718	025		2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06			Bongo 8	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr.	JD = 250	Time GMT Hr.	Time GMT 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
55	58	26.8	N	170 43.1	W		SEP	94		18	53	9.0	9.2	1013	4	3	224	15	9	7	4	76	55

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 1851

Start Down ____

at Bottom 1853

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			76							71.386	1.1833		32.0808			32.0729	026	0143	1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 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
56	58	26.3	N	170 59.1		07	SEP	94	20	22	91.1	92.1	34	5	2	25	12	9	6	85	56

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 2019

at Surface 2019

Start Down 2019

at Bottom 2022

Start Up 2023

at Surface

Data off

Data Location 85

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			75							75.294	1.7336		32.2070			32.1987	027		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD057

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 250 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
57	58	24.8	N	171	152	07	SEP	94	21	27	94	94	1014	4	6	237	17	9	4	93	57

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 2124

at Surface 2124

Start Down 2124

at Bottom 2127

Start Up 2127

at Surface

Data off 2127

Data Location

Tape/Diskette I.D. | File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			82							82.872	2.0778		32.2996			32.2911			1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06			Bongo 9	CTD58

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
58	58	23.8	N	171	32.4	W 07	SEP	94	22	34	97	98	1446	2	4	6	12	8	7	100	55

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 2231
at Surface 2231
Start Down 2231
at Bottom 2234
Start Up
at Surface
Data off

Data Location 100

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			90							86.913	2.4736		32.3324			32.3239	Q29	Q144	1
2			75							76.608	2.4871		32.3320					Q361	2
3			55							55.296	3.1790		32.2942					Q362	3
4			35							36.094	8.3437		32.1029					Q363	4
5			15							15.708	8.7592		32.1120					Q364	5
6			5							5.567	8.8046		32.1124					Q365	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				59

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 251)	Time GMT Hr.	Time GMT 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
59	58	23.04	N	171 49.80	W	08	SEP	94	00	06	8.8	8.9	1014.3	2	7	169		4		106	59

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD059

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							89.845	2.4474		32.815			323732	030		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				60

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 251	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
60	58	22.25	N	171	W	08	SEP	94		01	10	82	85	14	35	27	5	13	8	8	97 106	60

Longitude Deg. 172

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD060

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							95.054	2.0385		32.4456			32.4380	31		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06			Bongo 10	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 251 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
61	58	21.39	N	171 21.80	W	08	SEP	94	02	19	8.4	8.6	14	3	6	28	10	8	8	2	102	61

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 1817

at Surface

Start Down 18 (18)

at Bottom

Start Up

at Surface

Data off 1828

Data Location

Tape/Diskette I.D.

File Name/Header CTD061

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							99.629	1.9854		32.4934			32.4858	32	366	1
2			75							77.037	1.9831		32.4937					367	2
3			55							55.674	2.7953		32.4731					368	3
4			35							34.925	8.9008		32.3277					369	4
5			15							15.196	9.0125		32.3042					370	5
6			5							5.525	9.0201		32.2708					371	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Bongo 10 · 32.3216 Autosal

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				62

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 251 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
62	58	20	30	N 172	38 51	W 08	SEP	94	04	27	84	89	14	36	30	09	88	2		104	62

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD062

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			15							14.166	8.9864		32.3409			32.3336	034		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				63

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 251 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 103	Sta. Name or I.D
63	58	19.3	N	172543		08	SEP	94	05	34	88	90	15	36	307	06	88	2		106	63

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 05
at Surface
Start Down
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header CTD063

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							102.174	2.0540		32.5999			32.5861	035		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06			Bongo 11	64

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 257 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
64	58	18.5	N	173 10.0		08	SEP	94	06	38	90	91	15	3	7	290	307	8	8	2	107 (103)	64

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times	JD/Time
Data on	
at Surface	
Start Down	
at Bottom	
Start Up	
at Surface	
Data off	

Data Location	
Tape/Diskette I.D.	File Name/Header
	CTD064

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							108.803	2.3276		32.6399			32.6311	036	Q372	1
2			75							74.588	7.3429		32.6368					Q373	2
3			55							55.016	2.7723		32.5692					Q374	3
4			35							35.395	8.8587		32.4160					Q375	4
5			15							15.331	9.0589		32.3844					Q376	5
6			5							4.772	9.0971		32.3776					Q377	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
65	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 251 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
65	58	18.0	N	173269		08	SEP	94	08	21	9.0	9.0	1537		3	326	4	69	1	118	65

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D. | File Name/Header

Remarks
SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							103.6681	2.6711		32.7274			32.7210	037		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR
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Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
66	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 251 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
66	58	16.9	N	173440		08	SEP	94	09	28	9.0	9.0	16	18	3	31	26	08	1	121	66

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks

SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							106.114	2.9424		32.7858			32.7804	038		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCD

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
67	NOAA Ship SURVEYOR	SU-94-06			Bongo 12	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr.	JD = 251	Time GMT Hr.	Time GMT 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
67	58	16.0	N	173 89.6		08	SEP	94		10	29	9.1	8.9	1015	07		4	2	78	7	128	67

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks Tape has most of up cast also SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							110.969	3.2585		32.8771			32.8674	039	Q378	1
2			100							102.244	3.2182		32.8633					Q379	2
3			75							75.952	2.9523		32.7545					Q380	3
4			55							56.851	3.2318		32.6981					Q381	4
5			35							35.861	6.3355		32.4684					Q382	5
6			15							15.665	9.0122		32.4360					Q383	6
7			5							5.337	9.0800		32.4214					Q384	7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

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Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
68	NOAA Ship SURVEYOR	SU-94-06			Bongo 12	

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 267 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
68	58	16.7	N	174	16.5	08	SEP	94	12	44	88	90	15	06		63	6	8	7	4	23	68

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____ File Name/Header ____

Remarks SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			Bot							223.086	3.5222		33.1432			33.1408	046	Q385	1
2			175							175.141	3.5992		33.0706					Q386	2
3			150							151.998	3.6085		33.0661					Q387	3
4			125							127.117	3.6047		33.0656					Q388	4
5			100							101.205	3.6078		33.0651					Q389	5
6			75							75.997	3.9251		32.9579					Q390	6
7			55							57.024	4.4524		32.8211					Q391	7
8			35							36.423	7.2786		32.5355					Q392	8
9			15							16.694	9.0940		32.4742					Q393	9
10			5							5.993	9.0311		32.4089					Q394	10
11																			11
12																			12

Initials ____

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Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
69	NOAA Ship SURVEYOR	SU-94-06			Bongo 137	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 251 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
69	58	15.2	N	174 22.3		08	SEP	94	14	16	8.6	9.1	1016	1	6	73	8	8	7	4	991	69

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____ File Name/Header ____

Remarks South end N

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						964.742	2.9016		34.3261			34.3148	041	395	1
2				550						555.811	3.5212		34.0444					396	2
3				450						451.464	3.6229		33.9463					397	3
4				350						354.022	3.7476		33.7451					398	4
5				250						253.810	3.5170		33.4102					399	5
6				150						151.686	3.6183		33.1633					400	6
7				75						75.796	3.9971		32.9368					401	7
8				45						45.766	5.6029		32.7228					402	8
9				15						15.317	8.8092		32.5612					403	9
10				5						5.273	8.9627		32.5564					404	10
11																			11
12																			12

Initials WCR
✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
70	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 252)	Time GMT Hr.	Time GMT 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
70	57	52.4	N	169 46.3		09	SEP	94	13	13	73	75	1247			82	18	8	7	6	74	78

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____ File Name/Header ____

Remarks North end I

SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						65.292	1.3830		31.8470			31.8394	001		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
71	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 252 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
71	57	43.9	N	169 46.0		09	SEP	94	14	17	81	75	11	47		90	16	9	76	75	79

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks

SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						65.240	1.4831		31.8387			31.8314	002		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
72	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 252 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
72	57	36.1	N	169 53.0	W	09	SEP	94	1527		79	80	11	46		95	15	9	6	74	80

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____ File Name/Header ____

Remarks SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1				BOT						66.514	2.1033		31.8917			31.8839	003		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials UCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
74	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 252 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
74	57	28.3	N	170 00.0	W	09	SEP	94	1637		80	80	1048	09	01	49	7	2		62	81

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on

at Surface 1633

Start Down

at Bottom 1636

Start Up

at Surface 1640

Data off

Data Location 62

Tape/Diskette I.D. | File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			55							58.263	38311		31.9285			31.9214	004		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 252 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
	57	20.1	N	170062		09	SEP	94	17	52	8.0	8.0	1048			80	19	9	72	54	82

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 1748

Start Down ____

at Bottom 1750

Start Up ____

at Surface ____

Data off ____

Data Location 60

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			50							47.484	7.6589		31.8673			31.8592	005		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06			B	CT0083

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 252 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	57	00.4	N	170 21.3		09	SEP	94	2037		8.4	8.1	094	4	8	077	12	8	6	2	63	83

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 2034

at Surface 2034

Start Down 2034

at Bottom 2037

Start Up

at Surface

Data off

Data Location 63

Tape/Diskette I.D. File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			60							58.6825	5.6745		31.9178			31.9092	006		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 252 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
	56	54.98	N	170 26.48		09	SEP	94	21	33	87.8	50.8	47		75	18	8	6	2		93	84

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on	
at Surface	2130
Start Down	
at Bottom	~~22~~ 2133
Start Up	
at Surface	
Data off	

Data Location 92

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			85							86.222	4.7143		32.0790			32.0703	007		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 252 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
	5647	04	N	19033	69	09	SEP	94	2244		87	88	07	4	6	073	17	87	6	116	85

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 2241

Start Down ____

at Bottom 2244

Start Up ____

at Surface ____

Data off ____

Data Location 115

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			15							15.241	8.7059		32.1054			32.0984	008		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD086

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 253)	Time GMT Hr.	Time GMT 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
	56	38.4	N	170 40.1	W	10	SEP	94	00	01	87	85	1664	5	0	066	19	8	7	5 117	CT086

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 2357

Start Down ____

at Bottom 0001

Start Up ____

at Surface ____

Data off ____

Data Location 117

Tape/Diskette I.D. ____

File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							105.423	3.8781		32.6741			32.6649	209		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				87

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 253 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 120	Sta. Name or I.D
87	56	30.14	N	170 47.0	W	10	SEP	94	01	12	87	86	06	46	09	91	88	75		120	87

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455-

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD087

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							116.503	4.1635		32.8327			32.8233	010		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				88

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 253 Day	Mo.	Yr.	Time GMT Hr.	Time GMT Min.	Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m 182	Sta. Name or I.D
88	56	22.45	N	170 53.07	W	10	SEP	94	02	27	92	90	05	4	5	06	5	17	87	5	120 88

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header CTN088

Remarks Extra cast because we were shallower than 200m.

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							120.512	4.1739		32.9889			32.9735	011		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH
✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				89

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 253)	Time GMT Hr.	Time GMT 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
89	56	14.52	N	170 58.55	W	10	SEP	94	03	51	96	95	05	4	3	084	17	9	4	171	89

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header: CTD089

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							154.203	3.9104		33.2252			33.2145	012		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				90

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 253 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
90	56	12	89	N 171	00	55 W	10	SEP	94	05	08	95	95	03	46	06	66	17	28	5 946	90

CTD

Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D. ____
File Name/Header CTD0901

Remarks Only had 8 bottles avail. so we skipped the samples at 15m & 5m. This was supposed to be the 500m cast but since we ended up at 900m we're calling this the 1,000m cast.

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							905.727	2.9421		34.3012			34.2896	013	Q405	1
2			550							557.192	3.4628		34.0358					Q406	2
3			450							456.993	3.5687		33.9359					Q407	3
4			350							353.244	3.6943		33.7266					Q408	4
5			250							253.985	3.7791		33.4765					Q409	5
6			150							152.951	3.9672		33.1728					Q410	6
7			75							74.179	4.2167		33.0424					Q411	7
8			45							45.192	5.2318		32.9373					Q412	8
9			15																9
10			5																10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 253 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 766	Sta. Name or I.D
91	56	12	68	N	171 00 96	W	10	SEP	94	07	24	97	96	04	47	068	11	88	5		787	91

833

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times	JD/Time
Data on	
at Surface	
Start Down	
at Bottom	
Start Up	
at Surface	
Data off	

Data Location	
Tape/Diskette I.D.	File Name/Header
	CTD091

Remarks This is to be a 500m cast. 90 & 91 are at 5, end line I

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							832.464	3.0119		34.2650			34.2543	014		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CT0092

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 253 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	55	59.0	N	170	22.3	10	SEP	94	11	26	08.8	09.0	02	3	3	40	12	9		4	1158	92

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____ File Name/Header ____

Remarks South end H

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				Bot						1012.367	2.8648		34.3313			33.4558	015	Q413	1
2				550						554.326	3.5297		34.0079					Q414	2
3				450						448.209	3.6532		33.8589					Q415	3
4				350						354.163	3.7592		33.6841					Q416	4
5				250						253.148	3.8489		33.4983					Q417	5
6				150						153.666	3.8709		33.2326					Q418	6
7				75						76.123	4.8880		33.0755					Q419	7
8				45						45.152	5.9118		33.9469					Q420	8
9				15						14.614	9.6579		32.5006					Q421	9
10				5						5.554	9.6577		32.5016					Q422	10
11																			11
12																			12

Initials WCB

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD093

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 253 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
	56	03.3	N	170 48.9		10	SEP	94	12	56	4.6	9.0	1	33		31	18	9	4	508	93

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____ File Name/Header ____

Remarks no file w/upcast info

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1				BOT		BOT				445.228	3.6907		33.7427			33.7268	016		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD 094

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	Longitude Min.	E or W	Date Day	Mo.	Yr.	JD = 253	Time GMT Hr.	Time GMT Min.	Dry Bulb	Wet Bulb	Bar. mb 1000	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D
	56	04.2	N	170	19.5	W	10	SEP	94		13	51	9.0	9.0	00	3	2	32	17	9	1	4	213	94

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____ File Name/Header ____

Remarks down: up cast on tape
!SPLIT!

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						201.790	3.8430		33.3209			33.3099	017	423	1
2				175						176.618	3.8506		33.2265					424	2
3				150						152.704	3.9028		33.1836					425	3
4				125						126.700	4.0395		33.1506					426	4
5				100						101.523	4.3495		33.0435					427	5
6				75						75.721	4.9006		33.0062					428	6
7				55						57.044	5.4474		32.8818					429	7
8				35						37.654	6.9731		32.7739					430	8
9				15						16.559	9.3015		32.5712					431	9
10				5						6.373	9.7009		32.3864					432	10
11																			11
12																			12

Initials WCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD 095

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 253	Time GMT Hr.	Time GMT 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
	56	12.3	N	170	14.4	W	10	SEP	94	16	00	86	86	99	37	0	162	19	7	2	119	095

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 1555

Start Down ____

at Bottom 1600

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			70	BOT						69.175	3.7879		32.5107			32.5026	098	B1	1
2			55							53.180	3.9391		32.4698					B2	2
3			35							33.559	7.5114		32.4870					B3	3
4			15							14.726	9.4038		32.1429					B4	4
5			5							5.054	9.5498		32.8918					B5	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 253 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
	56	21.3	N	170 09.2		10	SEP	94	17	34	86	86	98	37	0	037	23	9	7	107	96

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 1730

Start Down ____

at Bottom 1734

Start Up ____

at Surface ____

Data off ____

Data Location 107

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			35							35.581	5.3688		32.0703			32.0373	019		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr.	JD = 253	Time GMT Hr.	Time GMT 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
	56	30.3	N	170	W	10	SEP	94		18	43	86	89	988	4	5	042	22	9	74	1101	97

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on

at Surface 1840

Start Down

at Bottom 1842

Start Up

at Surface

Data off

Data Location 101

Tape/Diskette I.D.

File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			100							98.171	3.6622		32.4617			32.4544	020		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06			Bongo 19	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 253	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
	56	38.2	N	169 59.9		10	SEP	94		1948		8.9	8.7	97	4	4	023	27	8	7	5	110	98

CTD Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on	
at Surface	1943
Start Down	1944
at Bottom	1948
Start Up	
at Surface	
Data off	

Data Location

Tape/Diskette I.D.	File Name/Header
	80 1107

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			~~100~~ 85	✓						85.420	3.6600		32.4284			32.4130	021	B6	1
2			75	✓						77.036	3.5111		32.3248					B7	2
3			55	✓						56.323	3.6977		32.1903					B8	3
4			35	✓						35.484	5.7280		32.0118					B9	4
5			15	✓						15.524	9.1762		30.9737	?				B10	5
6			5							5.292	9.2145		31.8873					B11	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Bongo 19 32.0123 Autosal

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg. Min.	N or S	Longitude Deg.	E or W	Date JD = 253 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
	56 46.95	N	169 54.93		10 SEP 94	21 44	89	87	97	44		024	26	875		87	99

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times	JD/Time
Data on	
at Surface	2141
Start Down	
at Bottom	2145
Start Up	
at Surface	2147
Data off	

Data Location 83

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			65							65.078	4.8285		32.0383			32.0281	023		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 253 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
	56	54.78	N	169 50.07		10	SEP	94	23	01	9.1	9.3	9	7	4	6	025	298	7	4	72	100

CTD	
Type & SN	93450-209
Press. SN	53586
Temp. SN	1455
Cond. SN	748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on	
at Surface	2258
Start Down	
at Bottom	2301
Start Up	
at Surface	
Data off	

Data Location 73

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			54							56.284	4.4379		31.9909			31.9803	024		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
101	57	02	37	N 169	41	29	W 11	SEP	94	00	33	92	91	97	4	3	020	309	4	55	101

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 00:27
at Surface
Start Down 1:30
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header CTD101.

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							52.553	5.7941		31.9420			31.9291	025	B12	1
2			175																2
3			150																3
4			125																4
5			100																5
6			75																6
7			55																7
8			35							35.908	7.9971		31.874					B13	8
9			15							15.573	8.0458		31.8721					B14	9
10			5							5.008	8.0591		31.8710					B15	10
11																			11
12																			12

Initials CH
✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
102	57	09	94	N 169	31	92	W 11	SEP	94	02	32	91	90	98	55	026	329	4		62	102

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 24

at Surface

Start Down 29

at Bottom 31

Start Up

at Surface

Data off

Data Location

Tape/Diskette I.D.

File Name/Header CTD102

Remarks North [illegible]

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							55.097	3.6600		32.028			32.0028	026		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				103

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
103	57	17.57	N	169 21.61	W	11	SEP	94	04	03	9.0	9.0	99	57	026	30	8	8	2		69	103

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD103

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							65.217	2.1604		31.8979			31.8818	027		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				104

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	Longitude	E or W	Date Day	Date Mo.	Date Yr.	JD = 254	Time GMT Hr.	Time GMT 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
104	57	25	N	169	12	W	11	SEP	94		05	30	90	90	99	57	01	03	27	71		69 (69)	104

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 05:23

at Surface

Start Down

at Bottom

Start Up

at Surface

Data off

Data Location

Tape/Diskette I.D.

File Name/Header: CTD104

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							65.264	1.5096		31.8297			31.8187	028	B16	1
2			55							56.136	1.5100		31.8797					B17	2
3			35							34.595	1.5205		31.8295					B18	3
4			15							14.680	7.8801		31.6577					B19	4
5			5							4.867	7.8805		31.6667					B20	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				105

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
105	57	31.69	N	169 03.01	W	11	SEP	94	07	13	9.0	9.0	01	57	02	6	25	67	1		68	105

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 107:40

at Surface

Start Down 111

at Bottom

Start Up

at Surface

Data off

Data Location

Tape/Diskette I.D.

File Name/Header CTD105

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							61.697	1.5972		31.8442			31.8293	029		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD 106

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
	57	39.1	N	168 53.9		11	SEP	94	08	32	8.9	8.9	2	57		14	25	4	4	1	77	106

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on
at Surface
Start Down
at Bottom
Start Up
at Surface
Data off

Data Location
Tape/Diskette I.D.
File Name/Header: CTD106

Remarks: SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						62.590	15.447		31.8725			31.8625	030		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WC
✓

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				CTD107

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 254)	Time GMT Hr.	Time GMT 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
107	57	46.1	N	168	44.9	W	11	SEP	94	09	44	8.4	8.4	2	5	7	16	23	0	0	75	107

CTD
Type & SN 93450-209
Press. SN 53586
Temp. SN 1455
Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD107

Remarks nutrients only taken at bottom. SPLIT north end It

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						63.207	1.9185		31.9127			31.9032	031	B21	1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				108

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr. (JD = 254)	Time GMT Hr.	Time GMT 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
108	57	27.5	N	168 04.5	W	11	SEP	94	13	03	90.8	89.2	67			27	26	0	1	0	74	108

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD 108

Remarks North end F SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						65.742	2.4419		31.9961			31.9387	001	B22	1
2				55						56.150	2.4263		31.9851					B23	2
3				35						37.796	2.4215		31.9444					B24	3
4				15						17.544	8.1287		31.6869					B25	4
5				5						6.00	8.1277		31.6895					B26	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	NOAA Ship SURVEYOR	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Mo.	Yr.	JD = 254	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
109	57	20.0	N	168	12.8 W	11	SEP	94		14	50	9.0	8.9		6	8	24	22	7	6	74	109

CTD

Type & SN 93450-209

Press. SN 53586

Temp. SN 1455

Cond. SN 748

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface ____

Start Down ____

at Bottom ____

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD 109

Remarks SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1				BOT						67.110	2.8727		31.9739			31.9660	002		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

✓ ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor				Bonso 24	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	57	12.0		168	20.3	W	11	SEP	94	1557	9.0	8.5	0	3	5	7	02	12	3	7	74	1

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface 1554
Start Down ____
at Bottom 1557
Start Up ____
at Surface ____
Data off ____

Data Location 74

Tape/Diskette I.D.	File Name/Header
	CTD110

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			8							69.696	3.3984		32.0011			31.9944	003	BZ7	1
2			55							54.834	3.4012		32.0008					BZ8	2
3			35							33.938	7.6576		31.7837					BZ9	3
4			15							15.065	8.3192		31.7478					B30	4
5			5							3.695	8.3317		31.7473					B31	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 264 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
	57	04.2		168	28.4	W	11	Sep	94	17	43	8.6		04		023	19				77	111

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 1740
Start Down ____
at Bottom 1742
Start Up ____
at Surface ____
Data off ____

Data Location 77

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			20							17.983	8.4807		31.7766			31.7708	004		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	56	57.3		168	35.0	11	Sep	94	18	50	9.1		05	57	01	62	13	7	1	81	112

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface 1847
Start Down ____
at Bottom 1849
Start Up ____
at Surface ____
Data off ____

Data Location 81

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							73.697	3.1186		32.0277			32.0198	005		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Cal at 15m

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions Bongo 25	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
	56	49.2		168	42.8	11	Sep	94	20	02	9.2	8.8	05	5	8	008	27	8	6	100	113

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 1958
Start Down ____
at Bottom 2002
Start Up ____
at Surface ____
Data off ____

Data Location 100
Tape/Diskette I.D. ____
File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							89.380	3.2041		32.2084			32.2009	006	B32	1
2			75							75.247	3.1990		32.2054					B33	2
3			55							57.124	3.1498		32.1100					B34	3
4			35							36.478	8.8337		31.7686					B35	4
5			15							15.757	9.0650		31.7559					B36	5
6			5							6.420	9.0627		31.7566					B37	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Cal 25 31.7338

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
	56	42.14		168	51.19	11	Sep	94	22	09	8.6	8.4	07	5	7	01	22	8	6	105	114

CTD

Type & SN ____

Press. SN ____

Temp. SN ____

Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____

at Surface 2205

Start Down ____

at Bottom 2209

Start Up ____

at Surface ____

Data off ____

Data Location 110

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							94.460	3.1674		32.1909			32.1823	008		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

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Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 254 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
	56	32.11		168	56.18	11	06	94	23	22	9.5	8.6	07	5	7	032	19	8	6	1107	115

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 2318
Start Down ____
at Bottom 2322
Start Up ____
at Surface ____
Data off ____

Data Location 98

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							95.125	3.2986		32.2288			32.2182	009		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

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Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06 Phase I				116

Consec. Cast #	Latitude Deg. Min. N or S	Longitude Deg. E or W	Date JD = 255 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
116	5622 82	169 01 44 W	12 SEP 94	00 37	9.0	8.5	0	8	5	7	015	18	8	6	2	119	116

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 00:29
at Surface ____
Start Down ____
at Bottom 0037
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD116

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							115.133	3.9063		32.5795			32.5730	010	B38	1
2			100							100.522	3.9007		32.5762					B39	2
3			75							75.011	3.8768		32.5033					B40	3
4			55							55.426	4.8752		32.3603					B41	4
5			35							36.049	7.8735		32.3163					B42	5
6			15							16.790	9.6644		31.9361					B43	6
7			5							5.291	9.6747		31.9297					B44	7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06 I			200 m cast	117

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 255)	Time GMT Hr.	Time GMT 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
117	56	12	13	N 169	05 60	W 12	SEP	94	02	28	9.8	9.0	09	57	0	10	15	86	2	205	117

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 0218
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD117

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							199.984	3.8141		33.2887			33.2711	011		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06 I			500m Cast	

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 255)	Time GMT Hr.	Time GMT Min.	Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m (481)	Sta. Name or I.D
118	56	10.85	N	169	58	12	SEP	94	03	24	9.0	8.1	09	5	7	34	16	86	2	480	118

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 0308
at Surface ____
Start Down 110
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD118

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							479.206	3.4861		33.9704			33.9450	012		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyd	SY-94-06 I			1,000 m cast w/nutrients	

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 255 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 1045	Sta. Name or I.D
119	56	09	03	N 169	10 45	W 12	5	EP 94	04	35	8 5	8 5	1 04	7	0	12	15	86	2	1013	119

CTD

Type & SN ____

Press. SN ____

Temp. SN ____

Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____ :10

at Surface ____

Start Down ____ :12

at Bottom ____ :35

Start Up ____

at Surface ____

Data off ____

Data Location

Tape/Diskette I.D: ____

File Name/Header: CTD 119

Remarks: South end F

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							1023.827	2.4297		34.4379			34.4268	013	B45	1
2			550							558.904	3.3827		34.0605					B46	2
3			450							458.603	3.4737		33.9898					B47	3
4			350							355.518	3.6911		33.7208					B48	4
5			250							251.274	3.6957		33.3073					B49	5
6			150							151.671	4.0094		33.0862					B50	6
7			75							75.290	4.4882		32.7860					B51	7
8			45							44.700	5.9187		32.5852					B52	8
9			15							14.592	9.5606		32.0943					B53	9
10			5							6.325	9.5572		32.0961					B54	10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06 I			1,000 m Cast	

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 255 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
120	56	58.9		169 31.4		12	SEP	94	08	12 Z	7.8	7.0	1012	3	7	342	9	8	6	927	120

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD120

Remarks South end G

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							925.342	2.9342		34.2863			34.2770	014		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 255 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
	56	01	18	169	32	3	12	Sep	94	09	25	7.8	7.6	12	37	337	12	86	2	442	121

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD121

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			Bot							442.043	35440		33.8885			33.8758	015		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials MCR

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 255 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	56	17.6		169 31.2		12	Sep	94	11	50	8.5	7.0	13	3	7	30	27	86	2	210	122

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD122

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							194.108	3.8509		33.2980			33.2891	016		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 255 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	56	23.6		169	31.2	12	SEP	94	12	49	8.0	7.8	13	3	7	290	8	8	61	138	123

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD123

Remarks
SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							117.382	3.8201		32.6560			32.5356	017		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WO

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 255 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	56	26.7		169	31.5	12	SEP	94	14	07	8.5	7.5	13	3	8	263	10	9	1	101	L24

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD124

Remarks north end G
SPLIT, part of upcast recorded

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							92.607	4.4329		32.0559			32.0475	018		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

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Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 255 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
	55	56.81		169	03.64	12	Sep	94	17	31	8.2	8.2	1023	8	24	7	12	9	6	1036	125

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 1709
Start Down ____
at Bottom 1731
Start Up ____
at Surface ____
Data off ____

Data Location 1047

Tape/Diskette I.D.	File Name/Header

Remarks South end E

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							1028.482	2.8194		34.3286			34.3162	019		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude 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
	56	06.41		168	37.58	26	09	94	19	40	8.2	9.2	12	3	8	241	13	86	2	502	126

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 1927
Start Down ____
at Bottom 1940
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							502.285	3.6785		33.7573			33.7452	020		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST – CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 255 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
	56	11.6		168	27.9	12	Sep	94	20	57	29	86	1030	37	22	222	15	86	2	202	127

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 2051
Start Down ____
at Bottom 2057
Start Up ____
at Surface ____
Data off ____

Data Location 202

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							180.866	4.0088		33.0710			33.0635	021		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

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Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation CTD 128

Consec. Cast #	Latitude Deg.	Latitude 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
	56	17.67		168	11.97	12	Sep	94	22	21	18.0	10.0	10	3	7	227	20	8	6	2	153	128

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 2216
Start Down ____
at Bottom 2221
Start Up ____
at Surface ____
Data off ____

Data Location 150

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							141.083	3.9545		32.9204			32.9136	022		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

(CT1292)

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 255 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
	56	25.89		168	04.85	12	Sep	94	23	33	19.8	10.0	08	3	7	210	16	8	6	137	129

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 2328
Start Down ____
at Bottom 2333
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			b							121.929	3.9074		32.6795			32.6696	023		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST – CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	54-94-06 I				130

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 256 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
130	56	33.55	N	167	55.66	W 13	SEP	94	00	50	9.7	9.5	06	4	7	21	21	8	6	5 106	130

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 0043
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CT0130

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			Bot							102.313	3.7731		32.3837			32.3755	024		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event#	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	Su-94-06 I				131

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 256 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
131	56	41	N	167	W	13	SEP	94	02	12	9.2	9.0	04	4	7	256	22	8	6	6	94	131

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 0205
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD131

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							90.393	3.5944		32.2992			32.2893	025		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	Su-94-06 I				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 256 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
132	56	48.98	N	167	39.03	W	13	SEP	94	03	26	9.0	8.9	02	4	7	206	19	86	85	132

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 0320
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD132

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			15							14.022	8.7828		31.7595			31.7524	026		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06 I				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 256 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
133	56	57.21	N	167	30.46	13	SEP	94	04	43	9.0	9.0	00	4	7	207	22	8	6	75	133

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 04:37
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CT0133

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							70.824	2.9936		31.9510			31.9424	027		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

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Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 256 Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
134	57	04	03	N 167	22	98	W 13	SEP	94	0546	9.0	9.0	98	47	19	7	22	8	66	70 (70)	134

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 0540
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CT0134

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							64.467	3.7208		31.9622			31.9528	028		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	Su-94-06 I				135

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date Day	Date Mo.	Date Yr. (JD = 256)	Time GMT Hr.	Time GMT 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
135	57	12.18	N	167 14.60	W	13	SEP	94	06	58	9.0	9.0	97	4	7	199	26	8	6	69	135

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on 0653
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D. ____

File Name/Header CTD135

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			30T							68.191	2.5141		31.8482			31.8393	029		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 256 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
	57	18.7		167 06.6		13	SEP	94	07	58	9.1	9.0	93	4	7	224	23	8	6	6	79	136

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD136

Remarks: north end E

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							63.483	2.2436		31.8194			31.8087	030		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 257 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
	57	06.9		165 34.6		13	SEP	94	08	06	9.2	9.2	89	4	5	21	19	9	5	67	137

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD137

Remarks north end C

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			Bot							63.207	1.9185		31.9127			31.8667			1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Min.	N or S	Longitude Deg.	E or W	Date JD = 256 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
	56	59.7		165	45.4	13	Sep	94	13	44	9.2	9.2	87	4	6	210	15	9	6	74	138

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks
SPLIT

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			BOT							66.726	1.7226		31.8529			31.8489	002	B55	1
2			55							55.814	1.7205		31.8526					B56	2
3			35							37.834	1.719		31.8521					B57	3
4			15							14.815	8.5982		31.5009					B58	4
5			5							4.686	8.6010		31.4920					B59	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials WCR

TOPMAST – CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 256 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
	56	52.4		165	56.7	13	08	94	15	12	90	90	82	4	6	197	7	9	\	6	84	139

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location
Tape/Diskette I.D. ____
File Name/Header CTD 139

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							67.338	25.413		31.9333			31.9308	003		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
						CTD140

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = Day	Mo.	Yr.	Time GMT Hr.	Time GMT 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
	56	45.45		166	07.95	13	Sep	94	16	26	92	92	81	4	7	225	09	8	5	5	82	140

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface 1623
Start Down ____
at Bottom 1626
Start Up ____
at Surface ____
Data off ____

Data Location 82

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							69.687	3.0470		32.0169			32.0117	004		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
					Bongo 29	CT0141

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
	5638.5	16618.8	13 Sep 94	1744	9.1	9.0	79.4	7	2	250	14	8	6	80	141

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 1741
Start Down ____
at Bottom 1744
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							78.399	3.4003		32.1630			31.1597	005	B60	1
2			55							54.259	3.4110		32.1448					B61	2
3			35							35.810	4.5783		31.9955					B62	3
4			15							14.872	9.1844		31.6645					B63	4
5			5							5.381	9.2590		31.5721					B64	5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST – CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
						CTD142

Consec. Cast #	Latitude Deg.	Latitude 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
	56	31.13		166	30.3	13	Sep	94	19	20	9.2	9.1	78	4	6	267	17	87	6	94	142

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 1917
Start Down ____
at Bottom 1920
Start Up ____
at Surface ____
Data off ____

Data Location 94
Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot. Data Therm-P	Sample Bot. Data Avg Tw	Sample Bot. Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			25							24.345	9.8181		31.6849			31.6966	006		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
						CTD143

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
	56	24.88		166	41.08	W 13	Sep	94	20	36	9.3	9.3	78	4	6	294	22	86	2	110	143

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface 2032
Start Down ____
at Bottom 2036
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1			b							99.508	4.7912		32.4475			31.7015	007		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

Calib 10 m

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
					bonso 30	

Consec. Cast #	Latitude Deg.	Latitude 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
	56	17.21		166 51.39	W	13	Sep	94	21	55	9.6	9.6	80	4	6	315	24	8	6	2	112	144

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time

Data on ____
at Surface 2151
Start Down ____
at Bottom 2155
Start Up ____
at Surface ____
Data off ____

Data Location 1 12

Tape/Diskette I.D. ____ File Name/Header ____

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			B							109.289	4.8871		32.5154			32.5071	008	B65	1
2			75							77.690	5.4063		32.4649					B66	2
3			55							56.791	6.5251		32.3182					B67	3
4			35							36.074	8.7464		32.0880					B68	4
5			15							15.425	9.8980		31.8183					B69	5
6			5							4.492	9.8971		31.8196					B70	6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

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Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	E or W	Date JD = 257 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 125	Sta. Name or I.D
145	56	09.85	N	167	02.29	W	14	SEP	94	00	17	9.3	9.0	983	6	6	320	36	8	62	124 145

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 0009
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CT0145

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1										119.047	4.7132		32.6398			32.6315			1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST - CAST SHEET

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Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06				

Consec. Cast #	Latitude Deg.	Latitude 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
146	56	02	67	N	167	13	44	W	14	5	8	94	01	40	10	0	9	7	8	5	6	6	3	10	3	0	8	6	2	133	146

CTD	
Type & SN	
Press. SN	
Temp. SN	
Cond. SN	

Monitor Checks	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times	JD/Time
Data on	0133
at Surface	
Start Down	
at Bottom	
Start Up	
at Surface	
Data off	

Data Location	
Tape/Diskette I.D.	File Name/Header
	CX0146

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							176.122	3.9976		32.6864			32.6771			1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST – CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06 I				

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
	55	54.89	N	167	24.87	W	14	SEP	94	03	10	9.9	9.0	876	6	320	40	8	6	132 (131)	147

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 0301
at Surface ____
Start Down 06
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CT0147

Remarks last cast accomplished on C

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ 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.	Pos.
1	✓		BOT							119.988	3.8994		32.7855			32.7735	012	B71	1
2	✓		125	7 blanks															2
3			100							107.258	3.8956		32.7664					B72	3
4			75							81.834	4.059		32.6319					B73	4
5			55							54.446	5.1983		32.4341					B74	5
6			35							35.154	6.8953		32.3422					B75	6
7			15							15.663	9.7394		32.0916					B76	7
8			5							5.619	9.7978		32.0819					B77	8
9																			9
10																			10
11																			11
12																			12

Initials CH

TOPMAST – CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions At ARGOS buoy, line 14 7171	Sta. Designation

Consec. Cast #	Latitude Deg. Min.	N or S	Longitude Deg.	E or W	Date JD = 258 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
	57 46.17		168 45.38		15 Sep 94	21 43	51		95			336	07				155

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on ____
at Surface 2140
Start Down ____
at Bottom 2143
Start Up ____
at Surface ____
Data off ____

Data Location 75

Tape/Diskette I.D.	File Name/Header

Remarks 148 – 154 were XBT's
ARGOS 7171, line 14

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			3							64.656	1.8977		31.8125			31.9005	013		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

TOPMAST – CAST SHEET

Pg. ____ of ____

Consec. Cast #	Vessel	Proj. & Leg	Event #	Vessel Sta. I.D.	Instructions	Sta. Designation
	Surveyor	SU-94-06 I				

Consec. Cast #	Latitude Deg.	Latitude Min.	N or S	Longitude Deg.	Longitude Min.	E or W	Date Day	Date Mo.	Date Yr.	JD =	Time GMT Hr.	Time GMT 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
	57	58	69	N	169	59	58	W	16	SEP	94	0327	50	38	93	4	7	340	22	5	8	1	68	159

CTD
Type & SN ____
Press. SN ____
Temp. SN ____
Cond. SN ____

Monitor Checks

	on Deck	at Surface
Press.		
Temp.		
Cond.		
Other		

Times JD/Time
Data on 0321
at Surface ____
Start Down ____
at Bottom ____
Start Up ____
at Surface ____
Data off ____

Data Location

Tape/Diskette I.D.	File Name/Header
	CTD159

Remarks

Pos.	Bot.	T Rack	Trip Depth	Time @ Depth	Time @ Trip	Monitor Values Press.	Monitor Values Temp.	Monitor Values Cond.	Monitor Values Other	Conv. Mon. Values-CTD Press.	Conv. Mon. Values-CTD Temp.	Conv. Mon. Values-CTD Cond.	Conv. Mon. Values-CTD Sal.	Sample Bot.Data Therm-P	Sample Bot.Data Avg Tw	Sample Bot.Data Sal.	Sal. Bot. #	Other Samp.	Pos.
1			BOT							62.063	2.9616		32.1254			32.1178	014		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials ____

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		160

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	52.78	N	170	12.40	W	16	SEP	94	04	33	5.8	4.1	934.7	3	2	326	24	6	8	1	71	160

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	0427	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD160	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	67.972	3.3894	32.1070		32.1000	015	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		161

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	46.75 N	170	24.16 W	16	SEP	94	05	38	6.1	4.8	934	7	3	17	20	6	8	1	72	161

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	0532	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD 161	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	65.523	3.9112	32.0933		32.0846	016	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	5740.71	N		17035.97	W		16	SEP	94	06	42	6.0	4.7	934.7			319	27	7	8	1	73	162

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
			Tape/Diskette ID	File Name/Header	
TYPE & SN 93450-209	DATA ON	0636			
PRESS SN 53586	START DOWN	0642		CTD162	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	67.495	4.5624	32.0363		32.0795	017	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	34.79 N	170	48.60 W	16	SEP	94	07	46	5.0	4.0	993.4	7	3	337	24	7	8	5	85	163

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	0740	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CT0163	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	69.860	4.9414	37.0436		32.0349	018	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	28.9	N	170	0.3	W	16	SEP	94	08	52	4.7	3.7	92	4	7	320	20	6	8	1	87	164

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD 164	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	78.073	4.2451	32.2014		32.1907	019	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	22.9	N	117	12.2	W	16	SEP	94	10	00	5.2	4.0	9	4	4	7	329	33	6	8	1	97 165

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD165	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	78.225	4.0486	32.2898		32.2797	G20	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	16.9	N	172	24.5	W	16	SEP	94	11	10	5.5	4.8	94	4/5	7	321	24	68	1		100	166

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD 166	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	90.293	3.8920	32.4071		32.3954	021	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ____ OF ____

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	11.0	N	171	36.2	W	16	SEP	94	12	24	5.2	4.2	994	5	7	316	30	9	/	1	110	167

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD 167	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	bot	10.775	3.7456	32.6127		32.6025	022	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	05.0	N	171	49.0	W	16	SEP	94	13	40	5.2	4.094	5/6	7	3	29	30	9	/	1/7	116	168

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD168	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	104.277	3.8858	32.7075		32.6973	023	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	58.9	N	172	00.9	W	16	SEP	94	15	02	5.2	4.0	957	9		324	27	9	/	1/7	128	169

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD169	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	113.394	4.1406	32.8441		32.8334	024	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		CTD170

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD=259 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	53.03	N	172	13.56	W	16	SEP	94	18	38	4.5	4.5	96	5	7	070	26	7	9	6	128	170

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS 128
TYPE & SN 93450-209	DATA ON	1834	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN	1842			
TEMP SN 1455	AT DEPTH	1838			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	B	112.884	4.0766	32.8668		32.8577	025	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		CTD171

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 259 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	47.61	N	172	25.36	W	16	SEP	94	20	21	5.0	4.4	9975	7		339	26	7	6	1	125	171

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS 125
TYPE & SN 93450-209	DATA ON	2016	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	2021			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	B	98.987	3.9998	32.9072		32.8942	026	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 259 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	41.03	N	172	32.03	W	16	SEP	94	22	33	5.0	4.29	985.7			332	26	7	6	1	131	172

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS 131
TYPE & SN 93450-209	DATA ON	2228	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	2233			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	20	20.051	8.1732	32.2577		32.2490	027	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	33.96	N	172	48.55	W	17	SEP	94	00	38	5.8	4.598	5735	0	3	2	7	6	1	210 (205)		173

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
			Tape/Diskette ID	File Name/Header	
TYPE & SN 93450-209	DATA ON	0028			
PRESS SN 53586	START DOWN			CTD173	
TEMP SN 1455	AT DEPTH	0038			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	205.323	3.5844	33.7822		33.2681	028	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

35:50

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	16.9	N	171	00.3	W	17	SEP	94	49	39	6.0	5.29	558			338	20	58	1		160	174

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	1st Cast beneathing Phytchos' σT feature
PRESS SN 53586	START DOWN			CTD174	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	82.113	4.3031	32.2841		32.2726	029	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	28.8	N	171	24.0	W	17	SEP	94	11	43	6.0	5.6	954.8			338	20	9	/	1	95	175

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	~~Plankton~~ ~~smell good~~ ~~Cast~~
PRESS SN 53586	START DOWN			CTD175	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	91.978	3.6618	32.54564		32.5386	030	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

47,40

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

34.87
34.95

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	43.8	N	171 11.9		W	17	SEP	94	12	57	6.5	6.0	9448			356	15-9	/	1		100	176

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD176	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	Bot	86.347	4.0604	32.2806		32.2670		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	22.9	N	170	47.6	W	17	SEP	94	14	44	6.2	6.0	954.8			7	8	9	/	1/6	89	177

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN			CTD 177	
TEMP SN 1455	AT DEPTH				
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	BOT	75.273	4.6939	32.1042		32.0912		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		CTD178

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= 260 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	28.86 N	170	35.77 W	17	SEP	94	15	59	5.7	5.294	3800			00	16	7	8	1	71	178

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS 71
TYPE & SN 93450-209	DATA ON	1556	Tape/Diskette ID	File Name/Header	last of Phy. Int' CTD's
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	1559			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	13	65.346	5.3671	32.0123		31.8796		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		CTD179

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD=260 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	34.71	N	170	24.02	W	17	SEP	94	17	40	7.0	6.094				009	14				71	179

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	1737	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	1740			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	45	43.701	7.7914	31.8817		31.8721		
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 261 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m) 78	STA. NAME/ID
	57	47.01	N	170	43.20	W	18	SEP	94	10	35	6.3	5.79	5.38	3	5	8	13	8	6	2	78	180

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
			Tape/Diskette ID	File Name/Header	
TYPE & SN 93450-209	DATA ON	1032			1st Cast phase 2
PRESS SN 53586	START DOWN				N. end line 6.
TEMP SN 1455	AT DEPTH	1035 (40)			Added tubing to
COND SN 748	AT SURFACE				chlam; salinity
					may be spiky.

Therms on 5 min at bottom

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE NUTRIENTS
1	70	70.330	4.0280	32.1170	4.04 / 4.05	32.1090	✓ 001	B80
2	60	61.857	4.1498	32.1049				
3	50	50.559	4.4026	32.0679			NO SAMPLE	
4	40	38.754	7.9688	31.9618				
5	30	29.869	8.0540	31.9684				B81
6	20	19.344	8.0976	31.9780				
7	10	9.812	8.1013	31.9778				
8	0	2.213	8.1382	31.9787				B82
9								B83
10								
11								
12								

PG ___ OF ___

VESSEL	PROJ. & LEG	STA. DESIGNATION
NOAAS SURVEYOR	SU-94-06 Phase I	CTD 181

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= 261 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	43.47 N	170	58.52 W	18	SEP	94	11	55	6.8	6.295	38	3	47	15	8	6	1		85	181

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	85
PRESS SN 53586	START DOWN	1152			
TEMP SN 1455	AT DEPTH	1155			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE Nutrients
1	75	76.947	4.1204	32.1174		32.1074	002	B78
2	60	62.404	4.2254	32.1054				
3	50	51.717	4.4547	31.9617				B79
4	40	41.882	7.6275	31.8938				
5	30	31.586	7.6622	31.8864				B84
6	20	22.722	7.6639	31.8865				
7	10	12.050	7.6630	31.8866				B85
8	0	1.813	7.6651	31.8864				B86
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I	Line 'A' of phase 2 A2	187

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 262 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	10.96	N	169	51.61	W	19	SEP	94	1332		7.7	7.59	992	8	0	260	08	9/2			72	187

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	1329	Tape/Diskette ID	File Name/Header	- 182 = Mocness 3 Recovery 4 mocness 7 5 Mocness 1 Last Mocness # 186
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	1332			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	64 Sal	64.968	3.8575	32.0637		32.0563	003	
2	60 not	60.162	3.8746	32.0625			B87 →	
3	50	51.562	3.8997	32.0602			B88	
4	40	41.954	4.0106	32.0978				
5	30	30.061	8.1544	31.9242			B89	
6	20	21.365	8.15454	31.9278				
7	10	11.228	8.1509	31.9279			B90	
8	0	2.355	8.1506	31.9278			B91	
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I	A7	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	34.59 N	169	56.5 W	19	SEP	94	14	36	7.6		.99			031	10				70	188

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN	1433			
TEMP SN 1455	AT DEPTH	1436			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	B	64.820	4.4627	32.0371		32.0301	004	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I	A 6	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	29.49 N	170	01.00 W	19	SEP	94	15	33	7.6	7.6	993	8	0	039	12	8	7	2	63	189

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	Therm: Want 5!
PRESS SN 53586	START DOWN	1530			trip B bottles at bottom
TEMP SN 1455	AT DEPTH	1533 -38			Want 2 at SD
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	M1	61.048	4.9934	32.0039	✓	✓ 31.9963	005	B93
2	M2	Not Used						
3	60 M3	60.907	5.0013	32.0036				B92
4	50	50.658	5.1202	31.9966	✓ 5.13/5.09?			B94
5	40	40.013	8.0804	31.8955				B94
6	30	30.542	8.0933	31.8973				B95
7	20	20.339	8.0919	31.8972				B95
8	10	10.422	8.0910	31.8969				B96
9	0	1.594	8.1341	31.8952				B97
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I	A5	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	25.98 N	170	08.51 W	19	SEP	94	16	29	7.7	7.6	993.8	0	3	9	11	8	7	2	60	190

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	60 Chlorophylls taken; Jeff wasn't sure chlam trace orc
PRESS SN 53586	START DOWN	1627			
TEMP SN 1455	AT DEPTH	1629			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	34	33.859	8.1485	31.9058		31.9015	006	chlor
2	24	23.759	8.1506	31.9066				"
3	10	10.706	8.1465	31.9062				"
4	Sfc.	1.833	8.2073	31.9054				"
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I	A5	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 262 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB 8.2	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	57	23.39	N	170	05.93	W	19	SEP	94	17	12	7.7	7.2	003	8	0	052	08	7	4	2	57	191

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN	1710			
TEMP SN 1455	AT DEPTH	1712			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	50	50.501	6.6840	31.9203		31.9127	007	B93
2	40	40.062	7.3401	31.8996				B98
3	30	29.439	8.0832	31.9086				B99
4	20	18.258	8.1056	31.9106				
5	10	9.010	8.1069	31.9110				B100
6	0	1.591	8.1884	31.9089				B101
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		CTD202

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	41.73	N	170	36.87	W	20	SEP	94	17	59	7.3	6.3	835	57	3	343	24	6	9	1	110	202

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	1755	Tape/Diskette ID	File Name/Header	61
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	1759			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE NUTRIENTS
1	100	102.910	3.9266	32.7158		32.7076	008	B102
2	75	75.915	3.9249	32.7163				B103
3	50	52.721	4.2010	32.5664				B104
4	35	35.637	5.4566	32.4580				B105
5	30	29.810	7.5167	31.9850				
6	25	25.252	7.4914	31.9523				B106
7	20	20.179	7.5001	31.9518				
8	10	9.567	7.5089	31.9538				B107
9	5	4.734	7.5136	31.9566				
10	0	7.5218	7.5218	31.9595			(B08 MISSED)	B109
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	47.31	N	170	31.43	W	20	SEP	94	19	27	6.5	6.48	3			340	28				100	203

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS 100
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN	1924			
TEMP SN 1455	AT DEPTH	1927			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE chloro
1	B	90.914	3.8608	32.6735		32.6625	009	—
2	50	51.859	4.1742	32.4715				✓
3	40	41.709	4.9469	32.3690				✓
4	35	34.497	7.2391	31.9099				✓
5	30	30.080	7.4945	31.8684				✓
6	20	22.979	7.5296	31.8629				✓
7	10	10.963	7.5317	31.8634				✓
8	5	7.488	7.5355	31.8634				✓
9	0	3.215	7.5422	31.8629				✓
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase II		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	52.93 N	170	26.91 W	20	SEP	94	20	54	7.0	6.4	825.7	3	3	35	35	8	6	2	108	204

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	2049	Tape/Diskette ID	File Name/Header	Therms. at bottom
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	2054			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE CHL	M2	Nuts
1	< BOT	86.063	3.7406	32.5079		32.5001	010			B108
2	50	49.602	4.7764	32.1719				✓		
3	40	40.323	7.2254	31.8937				✓		B110
4	30	27.678	7.5674	31.8636				✓		
5	25	24.202	7.5658	31.8640				✓		B111
6	20	20.366	7.5906	31.8633				✓		
7	10	13.776	7.5866	31.8621				✓		B112
8	5	5.237	7.5892	31.8615				✓		B113
9										
10										
11										
12										

PG ___ OF ___

VESSEL		PROJ. & LEG	D67 Not on 431	STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		211

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	49.95	N	169	35.65	W	21	SEP	94	1430		7.6	7.98	846			314	15	9	/	5	70	211

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	205-210 Moc mod
PRESS SN 53586	START DOWN	1427			
TEMP SN 1455	AT DEPTH	1430			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	60					31.7754	011	B120
2	50							B119
3	40							
4	30							B116
5	20							
6	10							B115
7	5							B114
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I	(A-5)	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	56	46.92	N	169	34.96	W	21	SEP	94	15	14	9.3	7.8	884		6	311	18	9	/	5	75	212

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON		Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN	1512			
TEMP SN 1455	AT DEPTH	1514			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1						31.8225	012	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	5643.88	N		16934.57	W		21	SEP	94	1557		7.6	8.0	8884	4		3120	13	8	72		77	213

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	1554	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	1557			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	75					32.1380	013	B117
2	60							B
3	50							B118
4	40							
5	30							B121
6	20							
7	10							B122
8	0							B123
9								
10								
11								
12								

PG ___ OF ___

VESSEL		PROJ. & LEG		STA. DESIGNATION
NOAAS SURVEYOR		SU-94-06 Phase I		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB	WET BULB	BAR (mb)	S.S.	VIS.	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
										8.0										76	
	5642	.30 N	16934	.86 W	21	SEP	94	1633		7.7	8.0	8944			318	16	8	72		76	214

CTD	TIMES	JD/TIME	DATA LOCATION		REMARKS
TYPE & SN 93450-209	DATA ON	1630	Tape/Diskette ID	File Name/Header	
PRESS SN 53586	START DOWN				
TEMP SN 1455	AT DEPTH	1633			
COND SN 748	AT SURFACE				

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD PRESS.	TEMP.	SAL.	SAMPLE BOTTLE DATA THERM-P	SALINITY	SAL. BOT. #	OTHER SAMPLE
1	70					32.1715	014	
2	60							
3	50							
4	40							
5	30							
6	20							
7	10							
8	5							
9	0							
10								
11								
12								