

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD File Name: ctd 001.hex		STATION NO. 001	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH (%)	
DEG	MIN	DEG	MIN	HR	MIN	(°C)	(%)	(mb)	(deg)
00	71	13	.77	13	03	10	10	10	10
N		E		SEP	15				
CONSC CAST #		SBE 9+		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH = 37 m	
001	71	13	.77	REMARKS: 2 O ₂ Samples to validate first cast		G.R.E.P.A. WATER			
				FLUOR SN					
				SBE43-Oxy (prm)					
				SBE43-Oxy (sec)					
				Transmissometer					
				PAR SN					
				O ₂ Trmp Sensor 1					

Nis No.	Rosette Notes		Hydro Team-PMEL			Chloro		POC	Comments	Nis No.
	DEPTH DESIRED	SALT	Nut.Btl	O ₂ -Btl	N/DIC/Aik	GFF Vol >10	GFF Dup Vc >10 dup vol			
1	37	325	1	360		781				1
2	30		2	361		779				2
3	20		3			779				3
4	10		4			781				4
5	0		5			780				5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: ctd002.hex		STATION NO. 002	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. (deg)	
0027102.86		N 16 03 11.36		W 135 15		09 05		05	
SBE 9+		DEG MIN		DEG MIN		HR MIN		Pressure (mb)	
PRESS SN		16 03 11		36 15		09 05		1009	
PRI TEMP SN		N 16 03 11		W 135 15		09 05		Bottom Depth (m)	
SEC TEMP SN		N 16 03 11		W 135 15		09 05		50	
PRI COND SN		N 16 03 11		W 135 15		09 05		MAX. DEPTH = 45 m	
SEC COND SN		N 16 03 11		W 135 15		09 05			
FLUOR SN		N 16 03 11		W 135 15		09 05		SFC/Bottom Temp.	
SBE43-Oxy (prim)		N 16 03 11		W 135 15		09 05		REMARKS: GREEN WATER	
SBE43-Oxy (sec)		N 16 03 11		W 135 15		09 05		*FORGOT TO TAKE OFF FLOUROMETER	
Transmissometer		N 16 03 11		W 135 15		09 05		CAP * /	
PAR SN		N 16 03 11		W 135 15		09 05			
O2 Temp Sensor 1		N 16 03 11		W 135 15		09 05			

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Chloro		POC 500 ml	Comments	Nis No.
		SALT	Nut.Bil	O2-Bil	N/DIC/AIK	GFF Vol >10 Large Vol	GFF Dup Vc >10 dup vol			
1	44		6			281				1
2	40		7			279				2
3	30		8			279				3
4	20		9			281				4
5	10		10			280				5
6	0		11	362		279				6
7										7
8										8
9										9
10										10
11										11
12										12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: ctd003.hex		STATION NO. 003	
CONSC CAST # 003		LATITUDE 71 12.15 N		LONGITUDE 158 01.65 W		TIME (GMT) 14 SEP 15		WIND DIRN. SPD. (kts) 10	
DEG MIN		DEG MIN		DAY MO YR		DRY BULB (°C) 31.5		RH (%) 100.4	
SBE 9+ PRESS SN		FLUOR SN		WEATHER OBS: SFC/Bottom Temp.		MAX. DEPTH = 40 m		BOTTOM DEPTH (m) 40	
PRI TEMP SN		SBE43-Oxy (prim)		REMARKS: WATER TURBID		GFF Dup Vc > 10 dup vol		STA. NAME/ID	
SEC TEMP SN		SBE43-Oxy (sec)		GREENISH-LABY COLOR					
PRI COND SN		Transmissometer							
SEC COND SN		PAR SN							
		O2 Tmp Sensor I							

Nis No.	DEPTH DESIRED	Rosette Notes		SALT		Hydro Team-PMEL		Chloro		POC 500 ml	Comments	Nis No.
		O2-Bil	Nut.Bil	DIC/AIK	GFF Vol > 10 Large Vol	GFF Dup Vc > 10 dup vol	POC					
1	40	327	12	363	281							1
2	30		13		279							2
3	20		14		279							3
4	10		15		281							4
5	0		16		280							5
6												6
7												7
8												8
9												9
10												10
11												11
12												12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: c+d005.hex		STATION NO. 005													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH (%)		Pressure (mb)		WIND DIRN. (deg)		WIND SPD. (kts)		BOTTOM DEPTH (m)		STA. NAME/ID	
0057234.91 N		16 11 57 W		16 SEP 15												05		47C		K-8A	
SBE 9+		FLUOR S/N		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH = 40 m													
PRESS S/N		SBE43-Oxy (prim)		REMARKS:																	
PRI TEMP S/N		SBE43-Oxy (sec)		BT 5 leaked																	
SEC TEMP S/N		Transmissometer		RTs 6+7 also tripped @ 0m																	
PRI COND S/N		PAR S/N		Used BT 6 for samples																	
SEC COND S/N		O2 Temp Sensor																			

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Chloro		POC 500 ml	Comments	Nis No.
		SALT	Nut.Bil	O2-Bil.N	DIC/Aik	GFF Vol >10 Large Vol	GFF Dup Vc >10 dup vol			
1	410	529	27	365		281				1
2	30		23			279				2
3	20		24			279				3
4	10		25			281				4
5	0	L	E	A	K	D				5
6	0		26			280				6
7	0									7
8										8
9										9
10										10
11										11
12										12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: ctd006.hex		STATION NO. 006	
CONSC CAST # 006		LATITUDE 72 25.56 N		LONGITUDE 161 37.18 W		TIME (GMT) 21 55		WIND DIRN. SPD. (deg) (kts) 05	
DEG MIN		DEG MIN		DAY MO YR		DRY BULB (°C)		RH (%)	
16 137		18 16		SEP 15		21		55	
SBE 9+		FLUOR S/N		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH = 40 m	
PRESS SN		SBE43-Oxy (prim)		REMARKS:					
PRI TEMP SN		SBE43-Oxy (sec)		Btl 3 leaked - did not use					
SEC TEMP SN		Transmissometer							
PRI COND SN		PAR S/N							
SEC COND SN		O2 Temp Sensor I							

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL			Chloro		POC 500 ml	Comments	Nis No.
		SALT	Nut.Btl	O2-Btl	DIC/Aik	GFF Vol	>10 Large Vol	GFF Dup Vc >10 dup vol			
1	40		27			281					1
2	30		28			279					2
3	20		29			281					3
4	10		30			280					4
5	0		30 31			279					5
6											6
7											7
8											8
9											9
10											10
11											11
12											12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: ctd008.hex		STATION NO. 008													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH (%)		Pressure (mb)		WIND DIRN. (deg)		WIND SPD. (kts)		BOTTOM DEPTH (m)		STA. NAME/ID	
0087113.91N		16417.07W		17 SEP 15		2230		32.0		1012		10		45		PITAE					
SBE 9+		FLUOR SN		SFC/Bottom Temp.		WEATHER OBS:		MAX. DEPTH = 40 m		REMARKS:		Bottle 1 leaked									
PRESS SN		SBE43-Oxy (prim)																			
PRI TEMP SN		SBE43-Oxy (sec)																			
SEC TEMP SN		Transmissometer																			
PRI COND SN		PAR S/N																			
SEC COND SN		O2 Temp Sensor																			

Nis No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PMEL		Chloro	POC	Comments	Nis No.
				Nut.Btl	O2-Btl				
1	40			37		281	500 ml		1
2	30			38		279			2
3	20			39		279			3
4	10			40		281			4
5	0		332	41	368	280			5
6	0					279			6
7	0								7
8									8
9									9
10									10
11									11
12									12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD File Name: ctd009.hex		STATION NO. 009							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. (deg)		WIND SPD. (kts)		BOTTOM DEPTH (m)		STA. NAME/ID	
0097050.01N		16306.93W		18 SEP 15		1921				25		43		CX-11A	
SBE 9+		FLUOR SN		DAY MO YR		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH = 37 m					
PRESS SN		SBE43-Oxy (prim)		REMARKS:		Bottle 3100SC									
PRI TEMP SN		SBE43-Oxy (sec)		Bottle 4100SC											
SEC TEMP SN		Transmissometer		WATER Nice and green											
PRI COND SN		PAR SN		45 s.i.											
SEC COND SN		O2 Temp Sensor I		Lots of growth on Mooring											

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL			Chloro			POC 500 ml	Comments	Nis No.
		SALT	Nut.Btl	O2-Btl	N/DIC/Aik	GFF Vol >10	Large Vol	GFF Dup Vc >10 dup vol				
1	37	333	42	369		281						1
2	37		43			279						2
3	30		44			281						3
4	20		45			280						4
5	10		46			279						5
6	0											6
7	0											7
8												8
9												9
10												10
11												11
12												12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: ctd011.hex		STATION NO. 011	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. SPD. (kts)	
011		68 17.95 N		166 56.06 W		14 03		30	
SBE 9+		DEG MIN		DAY MO YR		DRY BULB (°C)		Pressure (mb)	
PRESS SN		16 6 56		20 SEP 15		.			
PRI TEMP SN		FLUOR SN		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH = 29 m	
SEC TEMP SN		SBE43-Oxy (prim)		REMARKS: -SBE43 #2 (Oxygen) looked jumpy					
PRI COND SN		SBE43-Oxy (sec)		-loose connection?					
SEC COND SN		Transmissometer		-Bottle 2 leaked					
		PAR SN							
		O2 Temp Sensor I							

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Chloro		POC	Comments	Nis No.
		SALT	Nut.Btl	O2-Btl	N/D/C/A/K	GFF Vol >10	GFF Dup Vc >10 dup vol			
1	29		52			281		500 ml		1
2	20	LEAK				279				2
3	10		53			281				3
4	0		335 54	371						4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD File Name: ctd012.hex		STATION NO. 012	
LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH (%)	
DEG	MIN	DEG	MIN	HR	MIN	(°C)	(%)	Pressure (mb)	WIND DIRN (deg)
012	14.56	167	7.33	15	16				
SBE 9+		FLUOR S/N		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH = 10 m	
PRESS SN		SBE43-Oxy (prim)		REMARKS:		-SBE43 #2 (Oxygen) Bad Data			
PRI TEMP SN		SBE43-Oxy (sec)				-Bottle 3+4 tripped at 20m			
SEC TEMP SN		Transmissometer				-Used #3			
PRI COND SN		PAR S/N				-did not use #4			
SEC COND SN		O2 Temp Sensor I							

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL			Chloro		POC 500 ml	Comments	Nis No.
		SALT	Nut.Bil	O2-Bil	N/DIC/Aik	GFF Vol >10 Large Vol	GFF Dup Vc >10 dup vol				
1	40	386	55	372		281					1
2	30		56			279					2
3	20		57			279					3
4	20										4
5	10		58			280					5
6	0		59			279					6
7											7
8											8
9											9
10											10
11											11
12											12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: ctd 016.hex		STATION NO. 016	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. SPD.	
0166520.65N		16815.75W		21 SEP 15		1746		15	
SBE 9+		FLUOR SN		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH = 50 m	
PRESS SN		SBE43-Oxy (prim)		REMARKS: - No water samples taken					
PRI TEMP SN		SBE43-Oxy (sec)		- Testing new termination on winch cable					
SEC TEMP SN		Transmissometer		- New Oxygen Sensor installed					
PRI COND SN		PAR SN		- SBE43 #2, S/N: 0904					
SEC COND SN		O2 Temp Sensor I							

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Chloro		POC		Comments	Nis No.
		SALT	Nut.BI	O2-BI	N/DIC/Aik	GFF Vol >10 Large Vol	GFF Dup Vc >10 dup vol	500 ml			
1											1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
12											12

Recorder Initials:

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName: _____		STATION NO. 018	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. SPD. (kts)	
0185753.67 N		16852.67 W		2300		2300			
SBE 9+		DEG MIN		DEG MIN		HR MIN		Pressure (mb)	
PRESS SN		16852.67		2300		2300		RH (%)	
PRI TEMP SN		16852.67		2300		2300		DRY BULB (°C)	
SEC TEMP SN		16852.67		2300		2300		WIND DIRN. SPD. (kts)	
PRI COND SN		16852.67		2300		2300		BOTTOM DEPTH (m)	
SEC COND SI		16852.67		2300		2300		STA. NAME/ID	
		16852.67		2300		2300		BS-4A	
		16852.67		2300		2300		MAX. DEPTH = _____ m	
		16852.67		2300		2300		WEATHER OBS: _____	
		16852.67		2300		2300		SFC/Bottom Temp. _____	
		16852.67		2300		2300		REMARKS: -NO CTD	
		16852.67		2300		2300		-samples taken from ship's Sea Chest	
		16852.67		2300		2300		@ ~4m.	
		16852.67		2300		2300		(Bucket Sample)	

Nis No	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Chloro		POC		Comments	Nis No.
		SALT	Nut.Btl	O2-Btl	N/DIC/Alk	GFF Vol >10 Large Vol	GFF Dup Vc >10 dup vol	500 ml			
1	4	341	77	100						See Remarks	1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
12											12

Recorder Initials: _____

VESSEL Aquila		CRUISE ID AQ1501		PROJECT & LEG FOCI Chukchi Cruise		CTD FileName:		STATION NO. 019	
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. SPD. (deg) (kts)	
01956		52.43 N		16403.34 W		27 SEP 15 2259			
SBE 9+		FLUOR SN		SFC/Bottom Temp.		WEATHER OBS:		MAX. DEPTH =	
PRESS SN		SBE43-Oxy (prim)		REMARKS: - NO CTD					
PRI TEMP SN		SBE43-Oxy (sec)		- Samples taken from ship's sea chest					
SEC TEMP SN		Transmissometer		@ 2-4m					
PRI COND SN		PAR SN		(Bucket Sample)					
SEC COND SN		O2 Temp Sensor I							

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Chloro		POC ₂ 500 ml	Comments	Nis No.
		SALT	Nut.Btl	O2-Btl	DIC/AIK	GFF Vol	GFF Dup Vc > 10 dup vol			
1	4	342	78	107					See Remarks	1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
9										9
10										10
11										11
12										12

Recorder Initials: