VESSEL	CRUISE ~~TN240~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB / DK	STA1H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
001	57	31.43 N	166	48.20 W	09	AUG	15	09	15	10.6	94.6	999	276	20				68	7M14

SBE 9+	0382	FLUOR S/N	Wetlar 848p
PRESS SN	382	SBE43-Oxy (prime)	0904
PRI TEMP SN	710	SBE43-Oxy (sec)	0910
SEC TEMP SN	5584	Transmissometer	—
PRI COND SN	0304	PAR S/N	70360
SEC COND SN	0344	O2 Tmp Senson No.	—
		ALTI.	995

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 62 m

REMARKS

Nutrient Experiment 1
quick NH_4 check by Eric, value < 7 µM

Nis No.	DEPTH DESIRED	Roset notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	27m	X										DID NOT FIRE	1
2	27m					283							2
3	27m					283							3
4	27m					281							4
5	27m												5
6	27m												6
7	27m												7
8	27m												8
9	27m												9
10	27m												10
11	27m												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA2 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
002	74	10.16	N	168	47.26	W	12	AUG	15	00	35	7.6	88.2	1004	124	15				46	LB12

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 42 m

REMARKS

- Sal/Temp noisy above thermocline on upcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	bot		220	64	347/346	288		1					1
2	bot	X							1				2
3	30			65	345	285		2					3
4	30								2 chl max				4
5	20			66	344	281		3					5
6	20												6
7	10			67	351	283		4					7
8	10												8
9	0			68	350/349	283		5					9
10	0								3				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 3H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth *	Bottom Depth *	Bottom Depth *	Bottom Depth (m)	STA. NAME/ID
003	70	03.52 N	167	39.03 W	12	AUG	15	03	31	7.9	91.5	1004	110	14				48	LB11

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 43 m

REMARKS

Noisy T + S coming up in transition zones

max wire out 42

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	bot			69	348	288		+					1
2									+				2
3	30			70		285		+					3
4													4
5	20			71		281		+					5
6													6
7	10			72		283		+					7
8									+				8
9	0			73		283		+					9
10									+				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 4 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	41 Bottom Depth (m)	STA. NAME/ID
004	69	57.50 N	167	12.84 W	12	AUG	15	05	45	8.4	88.3	1004	121	14				46	LB14

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 42 m

REMARKS Cast time + location for end of cast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	bot		~~249~~	73		Sample lost						Filtering Error	1
2	38		take no samples										2
3	30			74		285							3
4	20			75		281							4
5	10			76		283							5
6	0			77	352	283							6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2-Tap 352

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		Sta 5 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
Ø05	69	52.95 N	166	48.88 W	12	AUG	15	Ø7	32	8.6	84.7	1004	11Ø	16				47	LBØ9

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 42 m

REMARKS 42

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	bt ✓			78	353	288		1					1
2	✓								X				2
3	3Ø ✓			79		285		2					3
4	✓												4
5	2Ø ✓			8Ø		281		3					5
6	✓								X				6
7	1Ø ✓			81		283		4					7
8	✓		219										8
9	Ø ✓			82		283		5					9
10	✓		✓						X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 - 353 deep

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		Sta6H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) 45	STA. NAME/ID
Φ06	69	46.88	N	166	26.41	W	12	AUG	15	09	24	9.1	82.7	1004	122	14				45	LBΦ8

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	bot			83		288							1
2	30			84		285							2
3	20			85		281							3
4	10			86	354	283							4
5	0		218	87	354	283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA7H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
007	69	41.02	N	166	04.93	W	12	AUG	15	11	15	9.6	81.7	1004	125	13				41	LB07

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 35 m

REMARKS 10m/min
noisy DATA - loops due to swell
noisy upcast through interface
some jelly on rosette

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			88		288		11					1
2	BTM								x				2
3	30			89		285		12					3
4	30												4
5	20	18m		90		281		~~13~~				leaking	5
6	20	18m										tried for chlor max (not the upcast)	6
7	10			91		283		14					7
8	10												8
9	0			92	x355	283		15					9
10	0								x				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 811

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
008	69	34.92	N	165	44.27	W	12	AUG	15	13	02	10.1	81.7	1004	131	13				38	L806

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 33 m

REMARKS STILL NOISY on upcast - all channels
let bottles equilibrate with electronic sensors a
bit longer

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM	33	x217	93	x359	285							1
2	20			94		281							2
3	10			95		283							3
4	0			96		283							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 9H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
009	69	29.89	N	165	22.11	W	12	AUG	15	14	44	10.2	83.8	1003.5	140	14				34	CB05

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.

Weather Obs: Cloudy / some Swell SFC/Bottom Temp. 11 / MAX DEPTH = 29 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			x 97		285		+	+				1
2	BTM								+				2
3	20			98		281		+					3
4	20												4
5	10			99		283		+					5
6	10								+				6
7	0			100	x 358	283		+					7
8	0								+				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN~~249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 10 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
010	69	24.50	N	165	00.38	W	12	AUG	15	16	35	9.6	90.9	1004	146	15				31	L304

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 26 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			101	x357	285							1
2	20			102		281							2
3	10			103		283							3
4	0		x216	104		283							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

Valve not closed

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 11 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth *	*	*	(m)	STA. NAME/ID
011	69	18.32	N	164	37.19	W	12	AUG	15	18	18	9.2	89.7	1064	180	17				25	LB03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: 3-6ft swell SFC/Bottom Temp. MAX DEPTH = 20 m

REMARKS light rain

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			105		281		X					1
2	BTM								X				2
3	10			106		283		X					3
4	10								X				4
5	0			107	x356	283		X					5
6	0								X				6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	JB	STA 12 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(°C)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
012	69	12.69 N	164	17.66 W	12	AUG	15	20	08	9.3	90.0	1005	200	18				20	LBOR

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: Swell/whitecaps SFC/Bottom Temp. MAX DEPTH = 15.5 m

REMARKS light rain

MISSED @ Depth event button

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x215	108	x279	281							1
2	10			109		283							2
3	0			110		283							3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 13H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~10.3 Bottom Depth (m)	STA. NAME/ID
Ø13	69	Ø9.38	N	164Ø4.21	W		12	AUG	15	21	56	10.2	83.2	1005	192	3Ø				16	LBØ1

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 11 m

REMARKS Depth 10m, Soak ctd at 5m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot/			111	28Ø	283		X					1
2	Bot/								X				2
3	Ø		226	112		283		X					3
4									X				4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Sa 7941

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA14 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~36 Bottom Depth (m)	STA. NAME/ID
014	69	50.09 N	164	55.96 W	13	AUG	15	03	02	8.7	93.7	1006	236	15				37	CKA01

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 32 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	bot			113		285							1
2	bot								X				2
3	20			114		281							3
4	20								X				4
5	10			115		283							5
6	10								X				6
7	0			116	281	283							7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA15 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~39 Bottom Depth (m)	STA. NAME/ID
Φ15	69	59.15 N	165	19.25 W	13	AUG	15	Φ4	44	8.3	9 4.3	1ΦΦ6	242	15				41	CKAΦ2

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 36 m

REMARKS

33

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	bt ✓			117	282	288							1
2	30			118		285							2
3	20			119		281							3
4	10			120		283							4
5	0		225	121		283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA16HI

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~43 Bottom Depth (m)	STA. NAME/ID
	016	7003.90 N	165	43.99 W	13	AUG	15	06	13	6.7	94.9	1007	265	12				43	CKA03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 38 m

REMARKS Something in line with second sensors
O_2(2) offset coming up 30-10m
S(2) offset coming up 20-10m
Chlor offset too (20-10m)

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			122	283	288							1
2	Bot							~~X~~ No	X				2
3	30			123		285							3
4	30												4
5	20			124		281							5
6	20								X				6
7	10			125		283							7
8	10												8
9	0		221	126		283							9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 17 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~46 Bottom Depth (m)	STA. NAME/ID
	17	09.40 N	166	09.11 W	13	AUG	15	07	47	6.6	95.3	1008	257	13				46	CKA04

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			127		288							1
2	30			128		285							2
3	20			129		281							3
4	10			130		283							4
5	0			131	284	283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 to 284

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 18H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~45	STA. NAME/ID
	018	70 16.14 N	166 36.68 W		13	AUG	15	09	29	6.5	95.5	1009	283	9				46	CKA05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt ✓		224	132		288							1
2	Bt ✓								X				2
3	30 ✓			133		285							3
4	30 ✓												4
5	20 ✓			134		281							5
6	20 ✓								X				6
7	10			135		283							7
8	10												8
9	0			136	285	283							9
10	0				X				X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 19H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
019	70	21.11	N	166	59.88	W	13	AUG	15	10	58	6.6	94.8	1009	261	10				48	CKA06

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 44 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM	44m		137	x 286	288							1
2	30			138		285							2
3	20			139		281						chlor max (in interface)	3
4	10			140		283							4
5	0			141		283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA20H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
020	70	27.08	N	167	23.80	W	13	AUG	15	12	25	6.2	95.3	1009.5	257	8.5				49	CKA07

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 46 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			142		288							1
2	BTM								X				2
3	30			143		285							3
4	30								X				4
5	20			144		281							5
6	20												6
7	10			145		283							7
8	10								X				8
9	0		x223	146	x287	283							9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA21#7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
021	70	32.68	N	167	52.97	W	13	AUG	15	14	00	5.9	95.2	1010	248	7				47	CKA08

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 43 m

REMARKS

Chlor max ~20m (below interface)

~~O2 offset between pr. - sec. works below interface (pr. - sh. [illegible])~~

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM	43		147	X 288	288							1
2	30			148		285							2
3	20			149		281						chlor max >8mg/m³	3
4	10			150		283							4
5	0			151		283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 22 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
022	70	38.46	N	168	17.99	W	13	AUG	15	15	32	5.9	91.4	1010	253	9				41	CKA09

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 39 m

REMARKS Some swell

noise @ btm - may have stirred up? did not hit. mud.

missed @ depth reverse button

~~@ offset still inverted~~

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x222	x152		288			X				1
~~2~~	~~BTM~~												2
3	30			x153		285							3
4	30												4
5	20			x154		281							5
6	20												6
7	10			x155		283							7
8	10												8
9	0			x156	x289	283							9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA23H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
023	70	44.27 N	168	44.88 W	13	AUG	15	17	10	6.1	90	1010	264	11				35	CKB01

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 31 m

REMARKS

~~O2 offset still needed~~

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			157	x 290	288							1
2	BTM								x				2
3	20			198		285							3
4	20												4
5	10			159		261							5
6	10												6
7	0			160		283							7
8	0								x				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SR	STA 24 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (~~°C~~) %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
024	70	47.34	N	168	09.98	W	13	AUG	15	18	46	6.3	99.9	1010	249	11.5				44	CKB02

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS

upcast is noisy - jelly? all channels

~~oxygen offset needs below 25m on downcast~~

~~Most issues on prior casts~~

~~try tilting the sensor~~ → ~~started CTDOCT~~ - try cleaning

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			161		285							1
2	30			162		285						chlor max	2
3	20			163		281							3
4	10			164		283							4
5	0		x227	165	x291/292	283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA25H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(°C)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth * * * (m)	STA. NAME/ID
025	70	50.12N	167	32.22W	13	AUG	15	20	40	6.5	88	1011	258	13	53	CK303

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 49 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x228	166	x293	281							1
2	BTM								X				2
3	40			167		288						Chlor max	3
4	40												4
5	30			168		285							5
6	30								X				6
7	20			x169		281							7
8	20											Fine IN interface (T/S)	8
9	10			x170		283							9
10	0								X				10
11	0			x171		283							11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA26H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~46 Bottom Depth (m)	STA. NAME/ID
026	70	52.01 N	166	56.14 W	13	AUG	15	23	49	6.6	88.3	1012	256	13				46	CKB04

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 42 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			172	294	288							1
2	30 ✓			173		285							2
3	20 ✓			174		281							3
4	10 ✓			175		283							4
5	0			176		283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 - 294 bot

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 27 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	45 Bottom Depth (m)	STA. NAME/ID
Ø27	7Ø	54.86 N	166	18.18 W	14	AUG	15	ØØ	5	6.9	86.9	1012	249	14				43	CKBØ5

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 39 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot.			177		288							1
2	Bt								X				2
3	30			178		285							3
4	30												4
5	20			179		281							5
6	20								x Chl	Max			6
7	10			18Ø		283							7
8	10								X				8
9	0		229	1	3Ø	283							9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 top - 43Ø, Salt 229+Ø

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 28H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	45 Bottom Depth (m)	STA. NAME/ID
028	70	57.00 N	165	42.24 W	14	AUG	15	02	27	7.3	86.0	1012	242	17				43	CKC05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 38 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			2	x142	288							1
2	Bot								X				2
3	30			3		285							3
4	30												4
5	20			4		281							5
6	20								X				6
7	10			5		283							7
8	10												8
9	0			6		283							9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA29 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	42 Bottom Depth (m)	STA. NAME/ID
029	70	48.80	N	165	15.83	W	14	AUG	15	04	04	7.3	87.2	1013	236	14				42	CKC04

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 36 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt		230	7		288							1
2	30			8		285							2
3	20			9		281							3
4	10			10		283							4
5	0			11	078 209	283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 - tep

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 30 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	45 Bottom Depth (m)	STA. NAME/ID
030	70	41.28	N	164	43.16	W	14	AUG	15	05	46	7.1	92.4	1013	249	11				45	CKC03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			12	x181	288							1
2	Bot								X				2
3	30			13		285							3
4	30												4
5	20			14		281							5
6	20								X				6
7	10			15		283							7
8	10												8
9	0			16		283							9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA31H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) 45	STA. NAME/ID
031	70	31.90 N	164	09.88 W	14	AUG	15	07	43	7.4	91.5	1014	258	12				45	CKC02

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			17	105	285							1
2	30			18		285							2
3	20			19		281							3
4	10			20		283							4
5	0		231	21		283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Gr shallow / S shallow 231

VESSEL	CRUISE ~~EN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA32H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
Ø32	70	21.71	N	163	29.70	W	14	AUG	15	10	04	7.9	95.	1014.5	255	6.5				34	CKC01

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 30 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			22		285							1
2	BTM								X				2
3	20			23		281							3
4	20												4
5	10			24		283							5
6	10								X				6
7	0			25	x 86	283							7
8	0								X				8
9													9
10									X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Go shallow

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 33H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~48 Bottom Depth (m)	STA. NAME/ID
033	71	21.01	N	164	51.22	W	15	AUG	15	08	27	3.5	86.4	1019	335	6					WT05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 42 m

REMARKS NMEA ADDED TO SETUP FILE BEFORE CAST

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt 40			26	x353	288		X 1					1
2	Bt								X				2
3	Bt										X		3
4	30			27		285		X 4					4
5	25			28				X 3					5
6	25								X	X	X		6
7	20			29		281		X 7					7
8	10			30		283		X 5					8
9	0		232	31		283		X					9
10	0							X 6	X	X			10
11	0										X		11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 deep / Sal shallow

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 34 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~50 Bottom Depth (m)	STA. NAME/ID
034	71	13.48	N	160	32.56	W	15	AUG	15	09	51	3.6	83.4	1020	350	5				50	INTOH

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 45 m

REMARKS

Noisy sal near sfc (maybe ice melt?)

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			32				X 2					1
2	Bot ✓								X				2
3	40 ✓			33	288			X 6					3
4	30 ✓			34		285		X 8					4
5	30 ✓								X				5
6	20 ✓			35		281		X 9					6
7	10 ✓			36	283	283		X 11					7
8	0			37	282			X 12					8
9	0								X				9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O2 shallow Roc. - Top, Bot, Chl Max

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SS	STA35H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(°C)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
035	71	07.36 N	160	16.32 W	15	AUG	15	11	06	3.5	81.6	1020	280	4.2				57	WT03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 53 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x233	x38	x209			13					1
2	BTM								X		X		2
3	40			x39				14					3
4	30			x40				15					4
5	20			x41				16					5
6	20								X				6
7	20										X		7
8	10			x42				17					8
9	0			x43				18					9
10	0								X				10
11	0										X		11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA36H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
036	70	59.00	N	159	54.42	W	15	AUG	15	12	40	3.6	81	1020	333	10.5				68	WT02

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 65 m

REMARKS

CALM, minimal swells

chlor consistently higher on upcast than downcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			x44									1
2	BTM								x				2
3	50			x45									3
4	40			x46									4
5	30			x47									5
6	30			5					x			chlor max	6
7	20			x48									7
8	10			x49									8
9	0			x50	x283				x				9
10	0												10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 37H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
037	70	51.60	N	159	39.68	W	15	AUG	15	14	06	3.8	83.	1020.5	30	3.6				31	WTB1

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 28.5 m

REMARKS

spike in sec on downcast (jellies?)
- sec bad below 25M sal/O2/chlor
Good on upcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			x51	x356			x					1
2	BTM								x				2
3	BTM										x		3
4	20			x52				x					4
5	10			x53				x					5
6	10								x				6
7	10										x		7
8	0		x234	x54				x					8
9	0								x				9
10	0										x		10
11	0											DID NOT FIRE (MISFIRE)	11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~18	STA. NAME/ID
038	70	42.36	N	160	01.10	W	15	AUG	15	19	54	3.7	85.	1021	33	6				18	

SBE 9+	0382	FLUOR S/N	Weller 848D
PRESS SN	382	SBE43-Oxy (prime)	0904
PRI TEMP SN	710	SBE43-Oxy (sec)	0910
SEC TEMP SN	5584	Transmissometer	—
PRI COND SN	0304	PAR S/N	70360
SEC COND SN	0344	O2 Tmp Senson No.	—
		Air	995

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 16 m

REMARKS

BENTHIC GRAB PROFILE (2m off bottom) TARGET

WAINWRIGHT #1

AFTER GRAB - SOAK @ 5m

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM							X					1
2	BTM		NONE						X				2
3	0							X					3
4	0								X				4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~TN240~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth (m)	STA. NAME/ID
6	39	74 42.77 N	159 58.35 W		15	AUG	15	21	35	3.4	85.9	1021	059	5	16	

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 14 m

REMARKS

BENTHIC GRAB PROFILE
WAINWRIGHT #2
AFTER GRAB

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot												1
2	Bot												2
3	Φ												3
4	Φ												4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	DK	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~16 Bottom Depth (m)	STA. NAME/ID
	04	7044.50	N	15951.89	W		16	AUG	15	0018		3.7	84.4	1021	59	7				16	

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 14 m

REMARKS

Benthic Grab Profile

Wainright #3 / Post Grab

No Salts, Nuts

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1								X					1
2									X 2				2
3								X					3
4									X 1				4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~18 Bottom Depth (m)	STA. NAME/ID
Ø41	70	46.39 N	159	51.08 W	16	AUG	15	00	54	3.7	84.2	1021	40	7				18	

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 16 m

REMARKS

Benthic Grab Profile

Wainwright #4 / Pre Grab

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt							1					1
2	Bt									3			2
3	Ø							29					3
4	Ø									4			4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	17 Bottom Depth (m)	STA. NAME/ID
042	70	47.41	N	159	45.16	W	16	AUG	15	05	03	3.8	82.6	1021	68	7					

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = m

REMARKS

Beather Grab Profile

Wainright #5 / Post Grab

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot							x 2					1
2	Bot								x				2
3	0							x 3					3
4	0								x				4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 3841

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~65 Bottom Depth (m)	STA. NAME/ID
043	71	17.44	N	158	56.40	W	16	AUG	15	0824		35	82.3	1022	103	11					BCA05

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 61 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt ✓			55					X				1
2	50 ✓			56									2
3	40 ✓			57									3
4	33 ✓			58								Chlor Max	4
5	30 ✓			59					X				5
6	20 ✓			64									6
7	10 ✓			61									7
8	0			62	x281				X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Surf O2 shallow

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 39 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	112 Bottom Depth (m)	STA. NAME/ID
044	71	14.87	N	158	47.97	W	16	AUG	15	0928		3.4	97.8	1022	94	12				112	BCA04

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 100 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			63	286				X				1
2	100			64									2
3	75			65									3
4	50			66									4
5	45			67								Chl max est	5
6	40			68					X				6
7	30			69									7
8	20			70									8
9	10			71									9
10	0			72					X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Salt Surf

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 40H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C) %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
045	71	12.39	N	158	43.97	W	16	AUG	15	10	29	3.4	87.	1022	89	15				106	BCA03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 100 m

REMARKS

2nd sal spike ~58m downcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM	x100		73					X				1
2	75			74									2
3	50			75					X			leaker	3
4	40			76									4
5	30			77									5
6	20		x235	78	x345								6
7	10			79								valve not closed	7
8	0			80					X			valve not closed	8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SD	STA41 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C) %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
046	71	09.99	N	158	36.79	W	16	AUG	15	11	35	3.4	89.	1022.5	81	13				77	BCA02

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 74.5 m

REMARKS

2nd sal/O2 jelly in downcast below 20m - ok after 30m

upcast fluorometer 2x higher than downcast? maybe due to earlier jelly? all other instruments read almost identical to downcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			81	x279				X				1
2	50			~~82~~									2
3	40			83									3
4	30			84					X				4
5	20			85									5
6	10			86									6
7	0			87					X				7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 42H7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
047	71	06.53	N	158	29.55	W	16	AUG	15	12	43	3.4	88.5	1022	97	16				35	BCA01

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 32 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x236	88					X				1
2	20			89									2
3	10			90					X				3
4	0			91	x293				X				4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA43H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~34 Bottom Depth (m)	STA. NAME/ID
048	70	36.09	N	162	36.18	W	17	AUG	15	03	42	6.0	75.4	1019	88	21				38	IC01

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 34 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			92	348	281 (50m)		X1					1
2	Bot ✓								X				2
3	30 ✓			93		285		X2					3
4	20 ✓			94		~~285~~ 281		X3	X				4
5	20 ✓												5
6	10 ✓			95		283		X4					6
7	0			96		283		X5					7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O2 bot

VESSEL	CRUISE TN249	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA44 #1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	42 Bottom Depth (m)	STA. NAME/ID
049	70	43.32	N	162	51.04	W	17	AUG	15	06	07	5.8	93.1	1019	93	25				42	IC02

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 37 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot		x 237	97				X					1
2	Bot								X				2
3	Bot										X		3
4	30			98		285	X	X					4
5	20			99		281	X	X				Chl Max	5
6	20								X				6
7	20										X		7
8	10			100		283		X					8
9	0			101	142	283	X	X					9
10	0						X	X	X				10
11	0										X		11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Sal-Bt O2-top 3 bottles Bt. Chl Max Top next 29

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA45 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum (°C)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~44 Bottom Depth (m)	STA. NAME/ID
050	70	51.17	N	163	10.67	W	17	AUG	15	08	29	5.1	79.6	1019	92	28				45	IC03

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 40 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			102	x290	288							1
2	Bot ✓								X				2
3	30 ✓			103		285							3
4	20 ✓					281			X			Chl max	4
5	20 ✓			104								Sampled 104 from #5 later	5
6	10 ✓			105		283						#4 empty	6
7	0			106		283							7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

2@ bot, chl max, surf

VESSEL	CRUISE ~~TN249~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 46 #1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~46 Bottom Depth (m)	STA. NAME/ID
051	70	58.54	N	163	33.60	W	17	AUG	15	11	09	4.7	79.1	1019	92	21				46	IC04

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS

WIND INFO DOESN'T APPEAR TO BE SHIP CORRECTED

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			107		288		X					1
2	Bot ✓								X				2
3	30			108		285		X					3
4	20			109		281		X				Chl Max	4
5	20												5
6	10			110		283		X					6
7	0		X 238	111	X 346 357	283		X					7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

346 dis O2 at surf Salt Surf 238 2@ bot, chl max, surf

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA47H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
052	71	05.28	N	163	47.81	W	17	AUG	15	13	03	4.4	96.6	1019	89	20				43	IC05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: 6ft swell SFC/Bottom Temp. MAX DEPTH = 39 m

REMARKS 42.n Dy / storm nearby for the IC line so far

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			112	x078	288							1
2	Bot								X				2
3	30			113		285							3
4	20			114		281							4
5	10			115		283						Chlmax	5
6	10								X				6
7	0			116		283							7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O2 deep

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 48 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~44 Bottom Depth (m)	STA. NAME/ID
053	71	11.94 N	164 12.04 W		17	AUG	15	15	11	4.1	84.8	1019	84	18				44	1C06

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 40 m

REMARKS

Noisy T&S between 10 + 20 m

C2 Moorings Nearby (N/A)

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM ✓		x297	117		288	X	X					1
2	BTM ✓								X	X			2
3	BTM ✓										X		3
4	30 ✓			118		285	X	X					4
5	20 ✓			119		281	X	X					5
6	20 ✓								X	X			6
7	20 ✓										X		7
8	10 ✓			120		283		X					8
9	0			121	x349	283	X	X	X	X			9
10	0									X	X		10
11	0												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

n - SFC 3@

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		ST049H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
054	71	20.37	N	164	36.44	W	17	AUG	15	17	53	4.2	80.8	1019	78	20				44	1C07

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 39 m

REMARKS 6ft swell
lots of loop in sfc
noisy sd/snp on downcast
intake very noisy

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			122	x 289	285							1
2	BTM								X				2
3	30			123		285							3
4	20			124		281							4
5	20								X				5
6	10			125		283							6
7	0			126		283							7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA50H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth *	*	*	(m)	STA. NAME/ID
055	71	27.09	N	164	54.82	W	17	AUG	15	20	24	4.1	77.	1019	90	25				42	1CØ8

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 37 m

REMARKS

Zonlmin (swells) Sea ↑ dense - little

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			127		284		X					1
2	BTM												2
3	30			128		285		X					3
4	30												4
5	20			129		281		X					5
6	10			130		283		X					6
7	0		x298	131	x280	283		X					7
8	0												8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

SFC

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA57H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~42	STA. NAME/ID
056	71	36.25	N	165	18.08	W	17	AUG	15	22	53	4.3	81.6	1019	71	20				42	1009

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 38 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			132	x347	280							1
2	Bot								+				2
3	30			133		285							3
4	24			134									4
5	24								+				5
6	20			135		281							6
7	10			136		283							7
8	0			137		283							8
9	0								+				9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2-deep 2 bottles @ Bot, Chl Max, Ø

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA52H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	42 Bottom Depth (m)	STA. NAME/ID
057	71	42.46 N	165	36.15 W	18	AUG	15	01	01	4.4	79.7	1019	68	23				42	IC 10

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 37 m

REMARKS

O_2 samples taken after O_2/Ar, ~½ hour after recovery

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BOT			138		288	X	X					1
2	BOT								X	X			2
3	BOT										X		3
4	30			139		285	X	X					4
5	20			140		281	X	X				Chl Max	5
6	20								X	X			6
7	20										X		7
8	10		299	141		283	X	X					8
9	0		~~299~~	142	x 352	283		X					9
10	0								X	X			10
11	0										X		11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Sal - Ø O2 - Ø 3@ Bot, Chl, Ø

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 53H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~89	STA. NAME/ID
Ø58	71	29.92 N	157	42.17 W	19	AUG	15	Ø6	46	1.5	84.Ø	1Ø22	48	14				82	BCØ7

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 77 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			143				1					1
2	Bot ✓								X				2
3	50 ✓			144				2					3
4	40 ✓			145				3					4
5	35 ✓			146				4					5
6	35 ✓								X				6
7	30 ✓			147				5					7
8	20 ✓			148				6					8
9	16 ✓			149				7					9
10	0			15Ø	288			8					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2-top next 5.1 129

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		954 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
059	71	27.48	N	157	35.99	W	19	AUG	15	07	49	1.0	83.1	1022	66	10				109	BC06

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 103 m

REMARKS high Fluor at surface on upcast

labelled cast 58, Sta 53H1, BC07 on SSS event

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot		299	151	284			X					1
2	Bot								X				2
3	75			152				X					3
4	50			153				X					4
5	40			154				X					5
6	30			155				X					6
7	30								X				7
8	20			156				X					8
9	10			157				X					9
10	0			158				X					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 - bot Sal

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA55H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
06	71	24.89 N	157	30.38 W	19	AUG	15	08	55	1.5	81.2	1022	75	11				136	BC05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 121 m

REMARKS Salz, O_2(2) off 30 → 36 m downcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			159				X					1
2	Bot								X				2
3	100			160				X					3
4	75			161				X					4
5	50			162				X					5
6	30			163				X					6
7	20			164				X					7
8	20								X			slow dripper	8
9	10			165				X					9
10	0			166 x 355				X					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA56H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) 114	STA. NAME/ID
Ø61	71	22.48 N	157	26.48 W	19	AUG	15	1Ø	Ø1	2.1	76.4	1Ø22	91	11				114	BCØ4

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 169 m

REMARKS Sal 2 + O_2(2) jelly problems (28-37) down

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt			167					X				1
2	100			168									2
3	75			169									3
4	50			170									4
5	40			171									5
6	30			172									6
7	20			173					X				7
8	10			174									8
9	0		x300	175	x350								9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 - Bot. Sal - to (300)

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA57H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
062	71	20.35	N	157	20.94	W	19	AUG	15	11	01	2.0	75.	1022	104	10				95	BC03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: Snow SFC/Bottom Temp. MAX DEPTH = 91 m

REMARKS

20m/min

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			176	x354			X					1
2	BTM								X				2
3	75			177				X					3
4	50			178				X					4
5	40			179				X					5
6	30			180				X					6
7	20			181				X					7
8	20								X				8
9	10			2				X					9
10	0								X				10
11	0			3				X					11
12									X				12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA58H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
063	71	14.76	N	157	09.91	W	19	AUG	15	12	10	1.5	77.	1022	107	14				46	BC01

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 43 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x301	x 4				X					1
2	BTM-1								X				2
3	30			x 5				X					3
4	30												4
5	20			x 6				X					5
6	10			x 7				X					6
7	10								X				7
8	0			x 8	x 181			X					8
9	0								X				9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 59 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~96 Bottom Depth (m)	STA. NAME/ID
064	71	43.76	N	156	11.25	W	20	AUG	15	09	54	1.6	71.3	1022	177	7				96	BCB04

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 91 m

REMARKS 96G 100 Sal values < 30

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			9				X	X				1
2	75			10				X					2
3	50			11				X					3
4	40			12				X					4
5	36			13				X				Chl Max depth (use as)	5
6	30								X				6
7	20			14				X					7
8	10			15				X					8
9	0			16	358			X					9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

04:36 30.721

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA60 N1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
065	71	39.99	N	156	03.58	W	20	AUG	15	11	14	1.5	69.	1021.5	137	4				115	BCB03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 109 m

REMARKS VERY FRESH @ SFC / just below high sal value sal/temp @ sfc prob due to chorn t sock removed

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x 302	17	x 292			X					1
2	BTM								X				2
3	75			18				X					3
4	50			19				X					4
5	40			20				X					5
6	30			21				X					6
7	20			22				X					7
8	20								X				8
9	10			23				X					9
10	0			24				X					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 61 H7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
066	71	35.70	N	155	54.93	W	20	AUG	15	12	35	1.0	76.	1021	147	4				217	BCB02

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 212 m

REMARKS Full O_2 profile

20 m/min down => 30 @ 125 upcast still noisy

ICE SPOTTED NEAR BOAT while underway to station

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			25	x 285								1
2	150			26	x 287								2
3	100			27	x 344								3
4	~~75~~	69 m		28	x 359							O_2 max	4
5	50			29	x 105								5
6	40			30	x 291								6
7	30			31	x 86								7
8	20			32	x 351								8
9	10			33	x 294								9
10	0			34	30								10
11	0												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 62 NJ

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
067	71	32.21	N	155	51.86	W	20	AUG	15	14	13	1.1	76.9	1021	77	3.8				131	BCB01

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 127 m

REMARKS

SOME ICE IN VICINITY

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			35									1
2	100			36									2
3	75			37									3
4	50			38									4
5	40			39									5
6	30			40									6
7	30								X				7
8	20			41								IN interface	8
9	10			42									9
10	0		x303	43	x 248								10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

SEC - 12 SALT

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA63H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~89 Bottom Depth (m)	STA. NAME/ID
068	71	5040.77	N	155	57.22	W	21	AUG	15	06	22	2.086	10	1020	121	13				91	BCC07

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 86 m

REMARKS Washing mud from ship during cast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			44									1
2	75			45									2
3	50			46									3
4	40			47									4
5	30			48								chl max	5
6	30												6
7	20			49									7
8	10			50									8
9	0		x 304	51	x 294								9
10	0												10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Sal, O_2 – 0m Sal - 344

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STAG4 H-2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	102 Bottom Depth (m)	STA. NAME/ID
069	71	48.76 N	155	44.07 W	21	AUG	15	07	35	1.9	87.8	1020	116	12				101	BCC06

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 96 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	32			52	x283								1
2	50			53									2
3	40			54									3
4	40												4
5	30			55									5
6	20			56									6
7	10			57									7
8	0			58									8
9	0												9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O_2 - bt

4:27 30.035

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA65H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~140 Bottom Depth (m)	STA. NAME/ID
07	71	46.91	N	155	28.94	W	21	AUG	15	09	00	1.8	84.6	1020	107	11				141	BCC05

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp.

MAX DEPTH = 136 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt		305	59									1
2	100			60									2
3	75			61									3
4	50			62								Chl Max	4
5	50												5
6	40			63									6
7	30			64									7
8	20			65									8
9	10			66									9
10	0			67	& 282								10
11	0												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA66H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~223	STA. NAME/ID
071	71	44.63	N	155	17.57	W	21	AUG	15	1023		1.6	83.6	1020	107	10				225	BCC04

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 216.5 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			68	281/248								1
2	150			69									2
3	100			70									3
4	75			71									4
5	50			72									5
6	40			73									6
7	30			74									7
8	20			75									8
9	10			76									9
10	0			77									10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA67-H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~270	STA. NAME/ID
072	71	43.52	N	155	09.96	W	21	AUG	15	11	30	1.3	86.7	1020	97	10.5				272	BCS03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 266 m

REMARKS 2nd sal spike @ 64m downcast (no O_2 also)

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			78	347					X			1
2	200			79									2
3	150			80									3
4	100			81									4
5	50			82									5
6	40			83									6
7	30			84						X			7
8	20			85									8
9	10			86									9
10	0		x306	87									10
11	0									X			11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 68 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
073	71	42.10	N	155	00.00	W	21	AUG	15	12	54	1.1	89.4	1019.5	101	12				145	BCCP2

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 140 m

REMARKS

2nd bed below 40m (sal/O2/temp) jelly
chlor is questionable too
salt corrected @ 25 m on upcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			88									1
2	100			89									2
3	75			90									3
4	50			91									4
5	40			92									5
6	30			93									6
7	20			94									7
8	10			95	x086								8
9	0			96									9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~[illegible]~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STAG9H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
074	71	40.34	N	154	46.66	W	21	AUG	15	14	03	1.0	88.5	1019	087	10.5				61	BCCG1

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 58 m

REMARKS (8-15 m) - 2ND BAD on Down
bad below 40m again 2ND TEMP?
all channels (T/S/O2) / check cable
+ pump
good again on upcast above 30m
check connector / check pump

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x307	97	x357								1
2	BTM												2
3	50			98									3
4	40			99									4
5	30			100									5
6	20			101									6
7	20												7
8	10			102									8
9	0			103									9
10	0												10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA70 H(

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~1531 Bottom Depth (m)	STA. NAME/ID
075	71	58.57	N	153	22.25	W	22	AUG	15	07	35	-0.9	93.4	1018	77	16				1531	B154-10

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 1335 m

REMARKS SWAPPED SEC PUMP w/ Kristy McTaggart (#3481) + cleaned lines - no corrosion seen on cables
3481 looks bad in test cast
Replaced with #819
Ice in area - 2 miles SW of Station 10

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	1335			104	354							Pump #1 went bad	1
2	1000			105	287							Sal 1 returned ~820m↑	2
3	750			106	348							O2 sensors returned ~760m↑	3
4	500			107	290								4
5	300			108	279								5
6	100			109	280								6
7	40			110	344	288							7
8	30			111	142	285							8
9	20			112	293	281			X				9
10	10			113	292	283							10
11	0			114	285	283			X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

04:37 S = 24.482

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA71H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~695 Bottom Depth (m)	STA. NAME/ID
Ø76	71	53.95	N	153	27.12	W	22	AUG	15	11	35	0.0	94.5	1017.5	78	13.9				684	B154-Ø9

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 671 m

REMARKS

Alt. reporting 5 of bottom? multibeam = 695 m and periodically dropping out

cleaner cast - 0 pecast still has some noise in altimeter

Nis No.	DEPTH DESIRED	Roset. notes	Hydro.Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x 308	115	x 352				X				1
2	500			116									2
3	250			117									3
4	100			118									4
5	75			119									5
6	50			120		x 281							6
7	40			121		x 286							7
8	30			122		x 283							8
9	20			123		x 281			X				9
10	10			124		x 283							10
11	0			125		x 283			X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~[illegible]~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 7241

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
077	71	49.13	N	153	34.93	W	22	AUG	15	14	18	0.3	94.6	1016.6	85	15				175	B154-08

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 167 m

REMARKS

Upcast - No 3/ in T/S

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			126									1
2	125			127									2
3	75			128									3
4	50			129		281							4
5	40			130		288							5
6	30			131	x209	285							6
7	30												7
8	20			132		281							8
9	10			133		283							9
10	0			134		283							10
11	0												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 73H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
078	71	42.56	N	153	45.50	W	22	AUG	15	16	14	0.8	94.8	1016	86	17				52	B154.07

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 47 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			135		281							1
2	BTM												2
3	40			136		288							3
4	30			137		285							4
5	30												5
6	30												6
7	20			138		281							7
8	10			139		283						fired @ thermocline	8
9	0		x309	140	x291	283							9
10	0												10
11	0												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Sal/O2 - SFC

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SCR	STA 74/H7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~47	STA. NAME/ID
079	71	36.13	N	153	57.50	W	22	AUG	15	18	02	0.8	94.	1016	92	14				47	B154-06

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 40 m

REMARKS

upcast no 31

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			141	x 286	288							1
2	30			142		285							2
3	20			143		281							3
4	10			144		283						~ in thermocline	4
5	0			145		283							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA75H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
050	71	30.20	N	154	06.86	W	22	AUG	15	19	12	0.9	94.	1015	80	15				46	B154-05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 40 m

REMARKS

upcast - noisy

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			146		288							1
2	BTM												2
3	BTM												3
4	30			147		285							4
5	20			148		281							5
6	20												6
7	20												7
8	10			149		283						vent open	8
9	0			150	x359	283						vent open	9
10	0												10
11	0												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 76 H7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
081	71	25.68	N	154	14.84	W	2	AUG	15	21	22	0.9	95.	1015	82	14				37	B154-04

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 30 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	30		310	151	356	285							1
2	20			152		281							2
3	10			153		283							3
4	0			154		283							4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Sal/O2 C. Ram

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 77 HL

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~25 Bottom Depth (m)	STA. NAME/ID
Ø82	71	19.60	N	154	25.41	W	22	AUG	15	23	53	1.2	94.8	1014	82	15				23	B154-43

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 18 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			155		281							1
2	10✓			156		283							2
3	0✓			157	x 181	283							3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

O..-Ø...

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 78 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
083	71	13.97 N	154 33.22 W		23	AUG	15	01	27	1.2	95.1	1014	90	15				19	B154-02

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 16 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt			158									1
2	Bot								X				2
3	Bot									X	X		3
4	10			159									4
5	10												5
6	10												6
7	0			160	x 105								7
8	0								X				8
9	0									X	X		9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

S2 1467

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 7941

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~52 Bottom Depth (m)	STA. NAME/ID
084	71	40.26	N	154	34.73	W	24	AUG	15	0851		-0.2	95.7	1022	103	24				53	BFB04

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN	1467	PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 48 m

REMARKS before this cast, changes made → 1467
1) replaced secondary cond, 0394 → ~~1473~~ (McTaggarts)
2) replaced small tie wraps with small hose clamps
3) switched out cond cable with 1 of Christys

See notes on other side

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			161	x 346	x 281		x					1
2	Bot ✓								x				2
3	40 ✓			162		x 288		x					3
4	30 ✓			163		x 285		x					4
5	20 ✓			164		x 281		x					5
6	20 ✓								x				6
7	10 ✓			165		x 283		x					7
8	0		311	166		x 283		x				drippy leak	8
9	0								x			~~drip~~	9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

2@ Bot, Chl Max, 0

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 80 HL

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
085	71	34.23	N	154	46.17	W	24	AUG	15	11	15	-0.3	95.6	1022	102	15		30		35	BFB43

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN	0334	O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = m

REMARKS No sensor improvements - put 0334 back on (CAST END MCTag. CAC ELES)

plumbing checked lost cast too for leaks replaced zip ties w/hose clamps in some spots

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			167		285							1
2	BTM												2
3	20			168		281							3
4	20												4
5	10			169		283							5
6	0			170	181	283							6
7	0												7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA81 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
086	71	27.76	N	154	55.05	W	24	AUG	15	12	59	-0.1	96.	1022	96	12				27	BF802

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 23 m

REMARKS

No 2nd T/S top 10m

ICE DEAR STATION

Nis No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			174	x 286	281							1
2	BTM								X				2
3	10			172		283							3
4	10								X				4
5	0			173		283							5
6	0								X				6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	STA	8242

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
087	71	22.08	N	155	06.95	W	24	AUG	15	14	30	0.1	95.	1022	95	14				21	BFB01

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: Clear/Fog SFC/Bottom Temp. MAX DEPTH = 17 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x242	174		281							1
2	BTM								X E				2
3	10			175		283							3
4	10								X B				4
5	0								X A			#5 is leaking even though nozzle is closed	5
6	0			176	x291	283							6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 83 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
088	71	14.81	N	157	09.93	W	25	AUG	15	21	28	8.4	91.	1000	172	14				47	BC01

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 44 m

REMARKS

wrong con file used on cast

pr: OX/sal is garbage / pressure still noisy

yr cable was replaced prior

chlor looks low on upcast No

elements swapped?

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			b83		x							1
2	BTM								x				2
3	30			b84		x		x					3
4	20			b85		x		x					4
5	20								x			leaker (gas)	5
6	10			b86		x		x					6
7	0			b87	356	x		x					7
8	0								x				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~EN299~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 84H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
089	71	20.81	N	157	20.82	W	25	AUG	15	23	38	8.7	93.2	1000	177	12				95	BC03

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 91 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot.		b		292 359			X					1
2	Bot.			88					X			b indicates Blue	2
3	75.		b	89				X				pink labels on nuts	3
4	50.		b	90		281		X					4
5	40.		b	91		289		X					5
6	30.		b	92		285		X					6
7	20.		b	93		281		X					7
8	20.								X				8
9	10		b	94		283		X					9
10	0		b	95		283		X					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA85H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~124 Bottom Depth (m)	STA. NAME/ID
09	71	24.80	N	157	30.33	W	26	AUG	15	02	01	9.0	93.8	999	206	15				124	BC05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 119 m

REMARKS
O_2 (primary) bad (very noisy)
~~O_2~~ - pump cable replaced just before cast
O_2 (primary) very noisy during cast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			96B				X	X				1
2	100			97B				X					2
3	75			98B				X					3
4	50			1B		281		X					4
5	40			2B		288		X					5
6	30			3B		285		X					6
7	20			4B		283		X					7
8	20								X				8
9	10			5B		283		X					9
10	0			6B	05	281		X					10
11	0												11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

2@ Chl Max & Surf

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		St. 86 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~89 Bottom Depth (m)	STA. NAME/ID
Ø91	71	29.99	N	157	42.18	W	26	AUG	15	Ø4	Ø7	8.2	95.4	998	191	11				81	BCØ7

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime) 644
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 76 m

REMARKS O_2 (primary) replaced before cast
small pink critter seen in old O_2 sensor (0904)
Ø9Ø4 replaced by Ø644 (McTaggart-is)
O_2 primary still bad

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			7B	x285			X	X				1
2	Bot ✓		313									dripping	2
3	50 ✓			8B		281						leaking from nipple	3
4	40 ✓			9B		288		X					4
5	30 ✓			10B		285		X				leaking from nipple	5
6	25 ✓			11B				X					6
7	25 ✓								X				7
8	20 ✓			12B		283		X				leaking from nipple	8
9	10 ✓			13B		283		X					9
10	0			14B		281		X					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 87 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~71 Bottom Depth (m)	STA. NAME/ID
092	71	34.56N	157 50.42W		26	AUG	15	0541		7.5	94.7	997	195	13				65	BC09

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	644
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 60 m

REMARKS

New O_2 primary still BAD

O_2 cable swapped after cast? (No)

Nis No.	DEPTH DESIRED	Roset. notes	SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			15B				X					1
2	Bot								X				2
3	50			16B		281		X					3
4	40			17B		288		X					4
5	30			18B		285		X					5
6	23			19B				X					6
7	23								X				7
8	20			20B		283		X					8
9	16			21B		283		X					9
10	0			22B	352	281		X					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA88H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
093	71	39.89	N	158	03.92	W	26	AUG	15	07	45	6.9	89.1	997	221	16				61	BC10

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 56 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			23B	x293			X					1
2	Bot								X				2
3	50			24B		281		X					3
4	40			25B		288		X					4
5	30			26B		285		X					5
6	25			27B				X					6
7	25								X				7
8	20			28B		283		X					8
9	10			29B		283		X					9
10	0			30B		281		X					10
11	0								X				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 89HI

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~57 Bottom Depth (m)	STA. NAME/ID
094	71	44.99	N	158	11.08	W	26	AUG	15	89	22	5.7	93.4	997	210	14				55	Bell

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 50 m

REMARKS → O_2 cable Pri/sec channels reversed
After cast
so noise in Pri channel actually is in physical 2nd sensor. 2nd sensor had lots of corrosion on pins.
reversed cable, cleaned pins - cont. and xmtr con
not sure how long (since last cable swap)

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			31B		277		X					1
2	Bot												2
3	40			32B		281		X					3
4	37			33B		288	X	X				chl max, ~4	4
5	37								X				5
6	30			34B		285		X					6
7	19			35B		283	X	X	X			O_2 max, ~140% sat	7
8	16			36B		283	X	X					8
9	0			37B	289	281		X					9
10	0								X				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~[illegible]~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		SM 90 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
095	71	42.79	N	158	37.99	W	26	AUG	15	11	29	5.4	93.7	996	218	14				57	BXD5

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	0674
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 50 m

REMARKS

O_2 sensors Pmel/M.T.
sec pri

all sensors ok on downcast here knotties on

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			x 383	x 289	x 281		x 26					1
2	BTM								x				2
3	40			x 393		x 286		x 27					3
4	30			x 403		285		x 28				chlor max	4
5	30								x				5
6	20			x 413	x 353	287		x 1				O_2 max	6
7	10			x 423		283		x 2					7
8	0			x 433	x 355	283		x 3					8
9	0								x				9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA91 H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
096	71	37.01	N	159	00.25	W	26	AUG	15	13	30	5.2	90.1	995	228	16				53	BXØ4

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	0644
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 46 m

REMARKS Swells - storm in region

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x314	443	x348	x 281							1
2	BTM												2
3	40			45		288							3
4	30			x46		285						Chlor max (almost	4
5	30								X				5
6	20			47		281							6
7	10			48		283							7
8	0			49	x 281	283							8
9	0												9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE ~~[illegible]~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		5149241

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
097	71	29.64	N	159	21.81	W	26	AUG	15	15	53	4.9	84.2	994	242	18				52	BX03

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 43 m

REMARKS

upcasts seem cleaner now that all cables are swapped/clean

Nis No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			50	x 294	285		X					1
2	BTM								X D				2
3	30			51		285		X				Chlor max base	3
4	30								X F				4
5	20			52	x 290	281		X					5
6	10			53		283		X					6
7	0			54	x 282	283		X					7
8	0								X F				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		5A93 H7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
098	71	24.62	N	159	45.05	W	26	AUG	15	18	17	4.3	84.7	993	247	20				50	3X02

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: Sunny/cloudy/small SFC/Bottom Temp. MAX DEPTH = 43 m

REMARKS pd spline @ sfc

Sunny but still large swell

still see upcast noise

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			55	x086	288							1
2	BTM												2
3	30			56		285							3
4	30												4
5	20			57		781						lock nipple (swap 5/11 for next cast)	5
6	10			58		783							6
7	0			59	x142	283							7
8	0												8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 94H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
099	71	17.76	N	160	07.78	W	26	AUG	15	20	08	4.1	86.2	993	265	21.5				54	BX01

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: Swells SFC/Bottom Temp. MAX DEPTH = 46 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			60	x354	281							1
2	BTM												2
3	40			61		288							3
4	30			62		285							4
5	30												5
6	20			63		281							6
7	10			64		283							7
8	0		x315	65	x344	283							8
9	0												9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

SALT + SFC

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA95117

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~51 Bottom Depth (m)	STA. NAME/ID
100	71	13.44	N	160	32.62	W	26	AUG	15	21	52	4.1	84.5	994	258	22				51	WT04

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 46 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM ✓			66	x 357	281		X					1
2	BTM ✓								x 10				2
3	40 ✓			67		288							3
4	40 ✓												4
5	30 ✓			68		285							5
6	20 ✓			69	x 347	281							6
7	10 ✓			70		283							7
8	C			71	x 287	283		X					8
9	O								x RE				9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 96H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~32 Bottom Depth (m)	STA. NAME/ID
1	74	51.44 N	159	40.11 W	27	AUG	15	01	13	4.7	73.9	996	—	—				32	WT01

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 28 m

REMARKS Some SCS sensors not updating.

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			672		285		x					1
2	Bot								x				2
3	20			673		281							3
4	20								x				4
5	10			674		283							5
6	0			675	x 279	283		x					6
7	0								x				7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

h - blue labelled nutrient bottles

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 97 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
102	70	51.49	N	159	39.82	W	29	AUG	15	17	44	1.6	75.9	994	317	15				31	WT97

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: 3ft swells SFC/Bottom Temp. MAX DEPTH = 26 m

REMARKS

3kt current
All niskin has visible (only 1 filter per nut bottle!)
sediment suspended in it (can see brown
hue in water too)
O2 #2 chemical tough to pump

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x316	b76	x351			x				small sediment in O2 chemical #2 spot	1
2	BTM												2
3	20			b77		281							3
4	10			b78		283							4
5	10			b79	x181	283		x					5
6	0												6
7	0												7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

b - blue marked nutrient bottles

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA98H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
103	70	58.91	N	159	54.14	W	29	AUG	15	19	14	2.0	76.1	994	331	18				68	WT02

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: Cloudy SFC/Bottom Temp. MAX DEPTH = 61 m

REMARKS some swells

WELL MIXED ENTIRE COLUMN

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			x80									1
2	BTM												2
3	50			81		281							3
4	40			82		286							4
5	30			83		285							5
6	30												6
7	20			84		281							7
8	10			85		283							8
9	0			86		283							9
10	0				x286								10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	JN99H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~62	STA. NAME/ID
104	71	07.30	N	160	16.61	W	29	AUG	15	21	48	1.4	89.	994.5	010	15				64	WTD3

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 69 m

REMARKS

spike in primary on upcast @10m and O_2 (ml/sec)

Nis No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			87	x291								1
2	BTM								x D				2
3	50			88		281		x					3
4	40			89		288	x						4
5	40					285			x E				5
6	30			90				x					6
7	20			91	x346	281							7
8	10			92		283		x				leaking	8
9	10						x						9
10	0			93		283		x					10
11	0								x F				11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 100 HJ

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~51 Bottom Depth (m)	STA. NAME/ID
105	71	13.48 N	160	32.58 W	29	AUG	15	23	47	1.5	84.6	995	347	10					WT04

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 46 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			94	105	288		X				Bubbles inj. with NaOH	1
2	BTM								X				2
3	40			95		288		X					3
4	30			96		285		X					4
5	30								X				5
6	20			97		283		X				Leaky Mixed	6
7	10			98		283		X				up	7
8	0			99		288		X				Sam	8
9	0								X			bts. Chl	9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

SAL @ SFC

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA101HI

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m) ~47	STA. NAME/ID
106	71	20.95	N	160	50.68	W	30	AUG	15	01	46	1.2	85.3	996	13	15				47	WT05

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 42 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bt		x317	100	x292	288	X	X					1
2	Bt								X				2
3	30			101		285		X					3
4	30								X				4
5	20			102		281		X					5
6	10			103	x356	283		X					6
7	0			104		283		X					7
8	0						X		X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 1Ø2 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
1Ø7	71	31.47	N	161	10.54	W	3Ø	AUG	15	Ø4	13	1.4	87.1	997	35Ø	11				~50 47	WTØ6

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 42 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	SALT	Hydro Team-PMEL Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			105	285	288		X					1
2	Bot								X				2
3	30			106			X	X					3
4	30					285			X				4
5	20			107		281		X					5
6	10			108		283	X	X					6
7	0			109	352	283		X					7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA1Ø3 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~45 Bottom Depth (m)	STA. NAME/ID
1	08	71 38.Ø7	N	161 32.86	W		3Ø	AUG	15	Ø623		1.6	89.3	997	ØØ6	11				45	WTØ7

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 4Ø m

REMARKS using cal chukchi - brown - primary - mod O_2
O_2 (primary) = 664 - 26 avg. x ml conc

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			11Ø	2Ø9	288		x					1
2	Bot ✓								x				2
3	30 ✓			111		285		x					3
4	21 ✓			112		281		x					4
5	21 ✓								x				5
6	10			113		283		x					6
7	0			114	293	283		x					7
8	0								x				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA104H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~43 Bottom Depth (m)	STA. NAME/ID
109	71	45.67	N	161	49.84	W	30	AUG	15	0822		1.9	87.7	998	28	11				43	WT08

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 38 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓			115	289	285		X					1
2	Bot:								X				2
3	30✓			116		285	X	X					3
4	23✓			117		281	X	X4					4
5	23✓								X				5
6	10✓			118		283	X574	X					6
7	0			119	353	283		X					7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

Sal – 0 IM

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA105H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth * * * (m)	STA. NAME/ID
110	71	55.67N	162	11.16W	30	AUG	15	10	33	1.6	81.	1000	83	13	35	WT#9

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	664
PRI TEMP SN		SBE43-Oxy (sec)	910
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 31 m

REMARKS

O2 sensors swapped again in xmlcon file

[~~casts 99-107 have O2 sensors swapped in xmlcon file~~]

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			120		255		X					1
2	BTM								X				2
3	15			121		281		X				tried for O2 max (missed)	3
4	10			122		283		X					4
5	0		x318	123	x355	283		X					5
6	0								X				6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

sd. sec

VESSEL	CRUISE ~~[illegible]~~	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 106H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum ~~(%)~~ %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
111	72	02.88	N	162	26.11	W	30	AUG	15	12	22	2.3	74.8	1001.5	84	11				32	WT10

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 28 m

REMARKS Cond sensors both agree below 20m (2nd is bad?)

xmleon is ok

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			124		285	X	X				chlor max	1
2	BTM								X				2
3	20			125		281		X					3
4	10			126		283	X	X					4
5	0			127	x 288	283		X					5
6	0								X				6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 107 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
112	69	52.88	N	166	48.88	W	31	AUG	15	02	45	4.7	80.0	1008	80	8				46	LB09

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 41 m

REMARKS winds variable

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot			128	x281	288		x					1
2	Bt								x				2
3	30			129		285		x					3
4	20			130		281		x					4
5	16			131		283		x					5
6	0			132	x348	283		x					6
7	0								x				7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA1Φ8#1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~45 Bottom Depth (m)	STA. NAME/ID
113	69	46.82	N	166	26.32	W	31	AUG	15	Φ4	53	4.6	84.1	1Φ48	48	4				45	LBΦ8

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 40 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot	40		133	×29Φ ×294	288	X	X					1
2	Bot								X				2
3	30			134		285	X	X					3
4	20			135		281	X	X					4
5	10			136		283	X	X					5
6	0		319	137		283	X	X					6
7	0								X				7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 09 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
114	69	41.36	N	166	04.97	W	31	AUG	15	0651		4.8	80.3	1009	299	2				41	LB07

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 36 m

REMARKS

Possible Jellyfish in $O_2(2)$ on upcast

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot-	36		138	x142	288							1
2	Bot ✓								X				2
3	30			139		285							3
4	20			140		281							4
5	10			141		283						open	5
6	0			142	x 282	283							6
7	0								X				7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 110 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~38 Bottom Depth (m)	STA. NAME/ID
115	69	34.94	N	165	44.23	W	31	AUG	15	0855		5.4	71.0	1010	38	5				38	LB06

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 34 m

REMARKS

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓	33	320	143		285		x					1
2	Bot ✓												2
3	20 ✓			144		281		x					3
4	10 ✓			145		283							4
5	0			146	086	283		x					5
6	0												6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA111 142

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
116	69	29.86	N	165	22.116	W	31	AUG	15	10	54	5.6	65.8	1011	185	2				33	LB05

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 29 m

REMARKS

well mixed

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			147	344	285		X					1
2	BTM								X				2
3	20			148		287		X					3
4	10			149		283							4
5	0			150		283		X					5
6	0								X				6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	SB	STA 11241

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth ~30 (m)	STA. NAME/ID
117	69	24.51	N	165	00.44	W	31	AUG	15	12	29	5.3	68.	1012	66	2				131	LB04

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 26 m

REMARKS

WELL-MIXED

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			1		285							1
2	BTM												2
3	20			2		281							3
4	10			3		283							4
5	0		x321	4	x354	283							5
6	0												6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 113 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	Bottom Depth (m)	STA. NAME/ID
118	69	18.27	N	164	36.85	W	31	AUG	15	14	06	5.4	61.5	1012	200	3				24	LB03

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 20 m

REMARKS

WELL MIXED

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM	20		5	x347	251		X					1
2	BTM	20							X				2
3	10			6		283							3
4	0			7		283		X					4
5	0								X				5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG	Recorder Initials	STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 114 H2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	*	*	*	~34 Bottom Depth (m)	STA. NAME/ID
119	68	18.48	N	166	55.69	W	31	AUG	15	22	18	5.9	69.1	1015	183	10				34	PH8

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Weather Obs: SFC/Bottom Temp. MAX DEPTH = 29 m

REMARKS originally labelled CTD1119, changed to CTD119.

Nis No.	DEPTH DESIRED	Roset. notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM	29		8		285		X				open bottle valve	1
2	Bot			8		285			X	X		open bottle	2
3	Bot										X	open bottle	3
4	20			9		281		X				open bottle	4
5	20								X	X		open bottle	5
6	20										X		6
7	10			10		283		X					7
8	0			11	357	283		X					8
9	0								X	X			9
10	0										X		10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 115 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	~42 Bottom Depth (m)	STA. NAME/ID
	12	68 14.6	0 N	167	06.99	W	31	AUG	15	23	18	5.9	77.1	1015	198	12	43	PH7

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	
Other instrument Notes			

Weather Obs: **SPC/Bottom Temp.** MAX. DEPTH = 38

REMARKS

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot	38		12	287	288		X					1
2	Bot								X	X			2
3	Bot										X		3
4	30			13		285		X					4
5	19			14		281		X					5
6	19								X	X			6
7	19										X		7
8	10			15		283		X					8
9	0			16		283		X					9
10	0								X	X			10
11	0										X		11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 116 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth (m)	STA. NAME/ID
121	68	11.64	N	167	18.21	W	01	SEP	15	00	16	6.0	80.6	1015	187	10	~47	P#6

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	
☐ Other instrument Notes			

Weather Obs: SPC/Bottom Temp. MAX. DEPTH = 43 m

REMARKS

Recoder initials:

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot 43			17	x248	288		x					1
2	3 std								x				2
3	30			18		285		x					3
4	20			19		281		x					4
5	20								x				5
6	10			20		283		x					6
7	0			21	x279	283		x					7
8	0								x				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 117H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth ~49 (m)	STA. NAME/ID
122	68	07.67 N	167	30.70 W	01	SEP	15	01	19	6.6	82.0	1015	195	12	49	P45

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	
Other instrument Notes			

Weather Obs: **SPC/Bottom Temp.** MAX. DEPTH = 45 m

REMARKS

~~Jerky in Primary Sal on upcast? (top 20m)~~

Recoder initials:

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot	45		22	280	281		X					1
2	Bot								A				2
3	30			23		288		X					3
4	20			24		285		X					4
5	15			25		281		X					5
6	15								B				6
7	11			26		283		X					7
8	11								X				8
9	0			27	283	283		X					9
10	0								C				10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 118 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth ~54 (m)	STA. NAME/ID
123	68	00.78	N	167	51.71	W	01	SEP	15	02	54	6.3	86.5	1016	213	15	56	PH4

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	
☐ Other instrument Notes			

Weather Obs: **SPC/Bottom Temp.** MAX. DEPTH = 58 m

REMARKS

Recoder initials:

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓	48		28	349	277			X	X			1
2	Bt ✓								X	X	X		2
3	40 ✓			29		281							3
4	30 ✓			30		288							4
5	20 ✓			31		285							5
6	15 ✓			32		281			X	X			6
7	15 ✓										X		7
8	10 ✓			33		283							8
9	0		322	34	350	283							9
10	0								X	X			10
11	0										X		11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE RB1505	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA119 H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth ~57 (m)	STA. NAME/ID
124	67	54.05	N	168	13.83	W	01	SEP	15	04	28	5.2	88.3	1016	208	11	58	PH3

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Other instrument Notes

Weather Obs: SPC/Bottom Temp. MAX. DEPTH = 53 m

REMARKS

Recoder initials:

Nis No.	DESIRED DEPTH	Rosette notes	SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM	53		35	x 030	281		x					1
2	BTM								x				2
3	40			36		288		x					3
4	30			37		285		x					4
5	20			38		281		x					5
6	10			39		283		x				chl max	6
7	10								x				7
8	0			40	078	283		x	x			leaking	8
9	0							x	x				9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 120H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth (m)	STA. NAME/ID
125	67	47.17	N	168	35.40	W	01	SEP	15	06	05	3.1	94.3	1016	200	11	50	PH2

☐ SBE 9+		☐ FLUOR S/N	
☐ PRESS SN		☐ SBE43-Oxy (prime)	
☐ PRI TEMP SN		☐ SBE43-Oxy (sec)	
☐ SEC TEMP SN		☐ Transmissometer	
☐ PRI COND SN		☐ PAR S/N	
☐ SEC COND SN		☐ O2 Tmp Senson No.	
☐ Other instrument Notes			

Weather Obs: **SPC/Bottom Temp.** MAX. DEPTH = 45 m

REMARKS

Recoder initials:

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot ✓	45		41		281		X					1
2	Bot ✓								X				2
3	40 ✓			42		288							3
4	30 ✓			43		285		X					4
5	20 ✓			44		281		X					5
6	10 ✓			45		283		X					6
7	0			46	~~358~~ 359	283		X					7
8	0								X				8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project	53	STA 122141

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	Bottom Depth (m)	STA. NAME/ID
	127	6540.10	N	168	19.98	W	01	SEP	15	19	14	6.3	88.8	1019	158	19	49	BS02

☐	SBE 9+	☐	FLUOR S/N
☐	PRESS SN	☐	SBE43-Oxy (prime)
☐	PRI TEMP SN	☐	SBE43-Oxy (sec)
☐	SEC TEMP SN	☐	Transmissometer
☐	PRI COND SN	☐	PAR S/N
☐	SEC COND SN	☐	O2 Tmp Senson No.
☐	Other instrument Notes		

Weather Obs: **SPC/Bottom Temp.** MAX. DEPTH = 44 m

REMARKS

BERING STRAIT STATION #1

Recoder initials: SB

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM		x323	52	x 284			X					1
2	40			53		288		X					2
3	30			54		285		X					3
4	20			55		281		X					4
5	10			56		283		X					5
6	0			57	x 345	283		X					6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA 121 H1

CONSC CAST #	LATITUDE			LONGITUDE						TIME (GMT)		DRY BULB	Rel. Hum	Pressure	WIND DIRN.	WIND SPD.	Bottom Depth	STA. NAME/ID
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	%	(mb)	(deg)	(kts)	~52 (m)	
126	67	41.68	N	168	54.99	W	01	SEP	15	0740		3.1	94.9	1017	195	11	50	PH01

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime)
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson No.
	Other instrument Notes		

Weather Obs: **SPC/Bottom Temp.** MAX. DEPTH = 45 m

REMARKS

Recoder initials:

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	Bot.	45		47	113	288		x					1
2	Bot								x				2
3	Bt										x		3
4	30			48		285		x					4
5	20			49		281		x					5
6	20								x				6
7	20										x		7
8	10			50		283		x					8
9	0			51	167	283		x					9
10	0								x				10
11	0										x		11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1

VESSEL	CRUISE	PROJECT & LEG		STATION NO.
NOAAShip Ronald H.Brown	RB1505	EcoFOCI/NOS Arctic Project		STA123H1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	Rel. Hum %	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	~22 under keel Bottom Depth (m)	STA. NAME/ID
1	28	65 40.07	N	168	10.74	W	01	SEP	15	21	24	7.5	84.4	1019	167	18	26	BS01

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime)	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson No.	

Other instrument Notes

Weather Obs: SPC/Bottom Temp. MAX. DEPTH = 22 m

REMARKS

Recoder initials:

Nis No.	DEPTH DESIRED	Rosette notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chl. Vol. (ml)	Juranek's group O2/Ar	DIC	POC	DOC	DNA	Comments	Nis No.
1	BTM			58		281							1
2	10			59		283							2
3	0		324	60	195	283							3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

ICE LOG: Surface Ice Conditions or proximity to ice edge

1	Flo-Thru												1