VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	56	51.95 N	164	04.87 W	06	MAY	08	22	00	0.5	.	02			086	25				72	

SBE 9+	772	**TIMES**	JD/TIME	**DATA LOCATION**	**REMARKS** WETStar & pri OX are in pri sensor loop; sec OX is in sec sensor loop - stand-alone altimeter
PRESS SN		DATA ON		File Name/Header	
PRI TEMP SN	2376	START DOWN		CTD001	Pre-recovery at 07 BS - 2
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = 64 m
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

OXY SENSORS DON'T AGREE

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	BOTT 64						✓			
2	59									✓ 01
3	50								✓	
4	40	DIDN'T KEEP ANY SAMPLES.								
5	31								✓	
6	31								✓	
7	31	LEAKED		(BOTTLE START PT CONFUSION)					✓	
8	20								✓	
9	12	DIDN'T TRIP								✓ 02
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= 127 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2	56	51.92 N	164	03.37 W	06	MAY	08	22	30	0.8	.	02			88	23				72	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS	WETStar & pri OX are in pri sensor loop; sec	7 leaked 4 leaked
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter		
PRI TEMP SN	2376	START DOWN		CTD002	PRE-RECOV @ 0735-2		
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve		
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = 67 m		
SEC COND SN	2489	☑ FAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	BOTT	LEAKED ★				194				
2	59									01
3	50								283	
4	40	LEAKED ★ (USE SAMPLE FM CTD003)							285	
5	31								289	
6	31								288	
7	31	LEAKED ★ (USE SAMPLE FM CTD003)							283	
8	20								287	
9	12									02
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		07-BS-2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
003	51	51.89	N	164	03.63	W	06	MAY	08	22	54	10.8	.	02	5	6	085	25	8			72	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec OX is in sec sensor loop - stand-alone altimeter
PRESS SN		DATA ON		File Name/Header	2nd CTD at pre recovery 07-BS-2
PRI TEMP SN	2376	START DOWN		CTD003	
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = m 41
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	40								283✓	
2	31								285✓	
3	10								289✓	
4	10								288✓	
5	10								283	
6	0								287	
7										
8										
9										
10										
11										
12										

40+31 leaked 1st cast

no salt sample this cast

VESSEL NOAA Ship OSCAR DYSON		PROJECT & LEG DY08-06	DSDB I.D.	STATION DESIGNATION

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD=128 DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
004	56	51.79	N	164	03.02	W	07	MAY	08	17	58	0.6	-0.9	04			106	20				73	CTD04

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec OX is in sec sensor loop - stand-alone altimeter
PRESS SN		DATA ON	~~1256~~ 1156	File Name/Header 1003.6	After depl. of 08BS2 mooring (1 of 3)
PRI TEMP SN	2376	START DOWN	~~1256~~ 1156	CTD0004.hex	
SEC TEMP SN	2786	AT DEPTH	11:58		☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE	12:03		MAX. DEPTH = 68 m
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA SALINITY	SAMPLE BOTTLE NUMBER SAL.	NUTR.	CHL.	WHIT's NUTR.
1	DEPTH						.195			
2	60	68						.04	→	→
3	57	56.5							.285	
4	57	56.5							.287	
5	57	56.5							.288	
6	50	49.6							.283	
7	45	45.3							.283	
8	45	46.0							.283	
9	45	45.2							.283	
10										
11										
12										

0, 10, 12(x3), 18(x3), 20, 24(x3), 30, 40, 44(x3), 50, 54(x3), 61

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 128 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
004	56	51.81	N	164	03.44	W	07	MAY	08	1234		10.7	-0.9	04			114	16				173	CTD005

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION		REMARKS	WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON	12:32	File Name/Header	1003.7 hPa		OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN	12:33	CTD005.hex			after cast of 0885-2 avg (2 dips)
SEC TEMP SN	2786	AT DEPTH	12:34			☐	Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE	12:38			MAX. DEPTH =	40 m
SEC COND SN	2489	☑ PAR S/N 4603		☑ FLUOR S/N 1036	☑ PRI OXY 910	☑	PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.	
1	40	40							.288		0
2	30	30							.285		10
3	25	24.5							.283		20
4	25	24.5							.283		30
5	25	24.5							.283		40
6	20	20.4							.287		50
7	19	19							.283		0
8	19	19							.283		10
9	19	19							.289		20
10											
11											
12											

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 128 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
006	56	51.77	N	164	03.46	W	07	MAY	08	12	59	10.9	-10.9	04			109	18				173	ct006

SBE 9+	772	**TIMES**	JD/TIME	**DATA LOCATION**	**REMARKS** WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON	12:58	File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN	12:59	CTD006.HEX	After dep of 0885-2 mg/l (3 of 3)
SEC TEMP SN	2786	AT DEPTH	12:59		☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE	13:01		MAX. DEPTH = 14 m
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

1003.6 hPa

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	mL CHL.	WHIT's NUTR.
1	13	13.4							.288	
2	13	13							.285	
3	13	13							.283	
4	10	10							.283	Ø3
5	0	1							.287	
6										
7										
8										
9										
10										
11										
12										

spilled some

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
007	56	39.816 N	163	52.128 W	07	MAY	08	03	33	.	.									76.9	CTD007

JD= 128

15:33

SBE 9+	772	**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN	2376	START DOWN	
SEC TEMP SN	2786	AT DEPTH	3:37
PRI COND SN	2985	AT SURFACE	3:42
SEC COND SN	2489		

DATA LOCATION

File Name/Header

CTD007

REMARKS WETStar & pri OX are in pri sensor loop; sec OX is in sec sensor loop - stand-alone altimeter

South corner Site 2

☐ **Cleaned air bleed valve**

MAX. DEPTH = 71.6 m

☑ PAR S/N 4603 ☑ FLUOR S/N 1036 ☑ PRI OXY 910 ☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	DEPTH						.196			
2	50								.283	
3	40								.283	
4	30								.283	
5	20								.283	
6	10								.285	
7	0								.287	
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s) *	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
		.	N		.	W		MAY	08	00	07	.	.									751.2	CTD008

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS	WETStar & pri OX are in pri sensor loop; sec	
PRESS SN		DATA ON	6:06	File Name/Header	OX is in sec sensor loop - stand-alone altimeter		
PRI TEMP SN	2376	START DOWN	6:07	CTD008	West corner - Site 2		
SEC TEMP SN	2786	AT DEPTH	6:09		☐ Cleaned air bleed valve		
PRI COND SN	2985	AT SURFACE	6:15		MAX. DEPTH = 70 m		
SEC COND SN	2489	☑ PAR S/N 4603		☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904	

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	Depth						.197			
2	50								.283	
3	40								.283	
4	30								.283	
5	20								.283	
6	10								.284	
7	0								.285	
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= 128 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
009	56	56.53 N	163	49.97 W	07	MAY	08	08	17	0.8	.	03			103	15				71	CT009

2017

SBE 9+	772	**TIMES**	**JD/TIME**
PRESS SN		DATA ON	
PRI TEMP SN	2376	START DOWN	
SEC TEMP SN	2786	AT DEPTH	
PRI COND SN	2985	AT SURFACE	
SEC COND SN	2489		

DATA LOCATION

File Name/Header

CTD009

REMARKS WETStar & pri OX are in pri sensor loop; sec OX is in sec sensor loop - stand-alone altimeter

BS-2 EAST

☐ Cleaned air bleed valve

MAX. DEPTH = m

☑ PAR S/N 4603 ☑ FLUOR S/N 1036 ☑ PRI OXY 910 ☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	Bath						198			
2	50								283	
3	40								283	
4	30								283	
5	20								283	
6	10								283	
7	0								283	
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD=128 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
010	57	01.20	N	164	13.19	W	07	MAY	08	22	35	0.7	.	01			105	18				69	CTD 10

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS	WETStar & pri OX are in pri sensor loop; sec	
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter		
PRI TEMP SN	2376	START DOWN		CTD001	BS-2 NORTH		
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve		
PRI COND SN	2985	AT SURFACE			MAX. DEPTH =	m	
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904		

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA SALINITY	SAMPLE BOTTLE NUMBER SAL.	NUTR.	CHL.	WHIT's NUTR.
1	Depth						.199			
2	50								.283	
3	40								.283	
4	30								.283	
5	20								.283	
6	10								.283	
7	0								.287	
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		Mooring Site BS-4

CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=129			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	*	(m)	
011	57	51.07 N	168	53.12 W	08	MAY	08	17	25	-0.9	.	973			063	10				72	

		TIMES	JD/TIME	DATA LOCATION	REMARKS
SBE 9+	772				WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN		CTD011	Pre-recovery CTD at 07-BS-4
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = m
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	Bott									
2	56									
3	50									
4	40									
5	30	2 bottles didn't trip								
6	20	re-did cast to take samples								
7	10									
8	10									
9	10									
10	0	bucket sample								
11										
12										

Same for site 4

.85148

.88915

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD=129 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
012	55	51.09 N	168	53.35 W	08	MAY	08	17	50	-0.8	.	997			067	11				772	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN		CTD012	Took O2 sample @ bottom because O2 sensors were not agreeing. Sample bottle = 213, Temp = -0.8°C
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = m
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	batt						.200			
2	56							085		
3	50								.283	
4	40								.283	
5	30								.283	
6	20								.283	
7	10								.283	
8	10								.287	
9	10								.288	
10	0									
11										
12										

Ø2

Temp = -0.8 @ bottom Bottle # = 213

density at bottom = 1.025251

so O_2 for 213 = 372.3 / 1.025251 = 363.03 µm/kg ← O_2 for 213 372.3 µM/l

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 130 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
013	57	51.89	N	168	54.15	W	09	MAY	08	01	56	00.2	.	96			087	08				42	

SBE 9+	772	**TIMES**	JD/TIME	**DATA LOCATION**	**REMARKS** WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN			CTD AFTER DEPL OF 08BS-4
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve MOORINGS
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = m ICE
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	DEPTH						.201			
2	50								.283	
3	40								.283	
4	30								.288	
5	20								.287	
6	15							.		05
7	11								.283	
8	11								.283	
9	11								.283	
10	0								.285	
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 130 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
01	45	52.70	N	168	59.89	W	09	MAY	08	03	05	-0.3	.	96			095	07				71	

SBE 9+	772	**TIMES**	JD/TIME	**DATA LOCATION**	**REMARKS** WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN			
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = m
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	bot+64						202			
2	50								283	
3	40								283	
4	30								288	
5	20								287	
6	10								283	
7	0								283	
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 130 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
015	57	39.38	N	169	00.16	W	09	MAY	08	0832		-0.8	-1.1	996			090	06				71	CTD15

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN			
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = 65.7 m
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL	WHIT's NUTR.
1	bott						.204			
2	50								.283	
3	40								.283	
4	30								.283	
5	20								.283	
6	10								.283	
7	0								.285	
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= 130 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
016	55	33.43	N	167	42.12	W	09	MAY	08	19	51	13.0	.	984	4	7	235	128				137	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN		CTD016	
SEC TEMP SN	2786	AT DEPTH			☐ Cleaned air bleed valve
PRI COND SN	2985	AT SURFACE			MAX. DEPTH = 131 m
SEC COND SN	2489	☐ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	BOTT						210			
2	510							86		
3	40							87		
4	30							88		
5	20							89		
6	10							90		
7	6							91		
8										
9										
10										
11										
12										

Bad bottle set up see CTD 017 for this Station

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD=130 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
017	55	32.70	N	167	42.24	W	09	MAY	08	20	40	2.5	.	99	3	8	235	12	8			137	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS	WETStar & pri OX are in pri sensor loop; sec	
PRESS SN		DATA ON		File Name/Header		OX is in sec sensor loop - stand-alone altimeter	
PRI TEMP SN	2376	START DOWN		CTD017			
SEC TEMP SN	2786	AT DEPTH			☐	Cleaned air bleed valve	
PRI COND SN	2985	AT SURFACE			MAX. DEPTH =	131 m	
SEC COND SN	2489	✓ PAR S/N 4603	✓ FLUOR S/N 1036	✓ PRI OXY 910	✓	PRI OXY 904	

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's NUTR.
1	Bott						210			
2	50							92		
3	40							93		
4	30							94		
5	~~20~~							97		
6	10							100		
7	0							103		
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= 130 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	018	55.283 N	167	57.20 W	09	MAY	08	21	53	3.8	.	99			255	09				147	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec
PRESS SN		DATA ON		File Name/Header	OX is in sec sensor loop - stand-alone altimeter
PRI TEMP SN	2376	START DOWN			☐ Cleaned air bleed valve
SEC TEMP SN	2786	AT DEPTH			MAX. DEPTH = 142 m
PRI COND SN	2985	AT SURFACE			
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA SALINITY	SAMPLE BOTTLE NUMBER SAL.	NUTR.	CHL.	WHIT's NUTR.
1	142						67			
2	50							106		
3	40							109		
4	30							112		
5	20							115		
6	10							118		
7	0							95		
8										
9										
10										
11										
12										

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD=131 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
01	55	23.36	N	168	11.52	W	10	MAY	08	00	13	2.9	.	00			250	12				424	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec OX is in sec sensor loop - stand-alone altimeter
PRESS SN		DATA ON		File Name/Header	Pumps stopped @ 215m for a min or so (strong wind, butterflies)
PRI TEMP SN	2376	START DOWN			☐ Cleaned air bleed valve
SEC TEMP SN	2786	AT DEPTH			MAX. DEPTH = m
PRI COND SN	2985	AT SURFACE			
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA SALINITY	SAMPLE BOTTLE NUMBER SAL.	NUTR.	CHL.	WHIT's NUTR.
1	bott						72			
2	50		21: 374.0 ,,m/P.					98		
3	40							101		
4	30							104		
5	20							107		
6	10							110		
7	0	O_2 Samples	Simple @ surface for comparing to underway O_2					113		
8			Optode & O_2 Sensor on CTD. O_2 sample from CTD is in Flask # 211 w/ underway samples. Temp during sampling from Nisk in = 4.6 °C. Optode was @ 402.8 & CTD was @ 353							
9										
10										
11										
12										

• O_2 sample from underway system is in Flask # 212. Temp for #212 was 4.5°C.

Oxygen readings → From CTD

01	02
204	353

VESSEL		PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
NOAA Ship OSCAR DYSON		DY08-06		

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= 131 DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
020	55	19.35 N	168	25.26 W	10	MAY	08	0218		2.7	.	01			267	09				1626	

SBE 9+	772	TIMES	JD/TIME	DATA LOCATION	REMARKS WETStar & pri OX are in pri sensor loop; sec OX is in sec sensor loop - stand-alone altimeter
PRESS SN		DATA ON		File Name/Header	JUST WENT TO 600m BECAUSE OF WETStar depth limit
PRI TEMP SN	2376	START DOWN			☐ Cleaned air bleed valve
SEC TEMP SN	2786	AT DEPTH			MAX. DEPTH = m
PRI COND SN	2985	AT SURFACE			
SEC COND SN	2489	☑ PAR S/N 4603	☑ FLUOR S/N 1036	☑ PRI OXY 910	☑ PRI OXY 904

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SAMPLE BOTTLE DATA: SALINITY	SAMPLE BOTTLE NUMBER: SAL.	NUTR.	CHL.	WHIT's NUTR.
1	bott						60			
2	50							116		
3	40							119		
4	30							96		
5	20							99		
6	10							102		
7	0							105		
8										
9										
10										
11										
12										

O_2 sample @ surface for comparing to underway O_2 samples, optode, & O_2 sensor on CTD. O_2 sample from CTD is in flask # 179 w/ underway samples. Temp during sampling from risk in = 4.5°C. Optode was @ 371.2 & CTD was @ 337. O_2 sample from underway system is in Flask # 207. Temp for # 207 was 4.6°C.

OXY 195 OXY 337
Oxygen Readings From CTD