VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		105

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	UBS1 STA. NAME/ID
10	54	26.51	N	164	59.12	W	17	MAY	14	01	07	4.9	9/.	27			354	30				50	

	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		

REMARKS

MAX. DEPTH = 46 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	47		885									1
2	30	31		886									2
3	20	20		887									3
4	10	10		888									4
5	0	2	52	889	294								5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		104

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
102	54	25.22	N	165	08.98	W	17	MAY	14	00	12	4.7	90.	28			358	21				140	UBS2

	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		

REMARKS

MAX. DEPTH = 131 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	133		876	293								1
2	100	100		877									2
3	75	75		878									3
4	50	49		879			3						4
5	40	41		880			3						5
6	30	31		881			3						6
7	20	20		882			3						7
8	10	10		883									8
9	0	3		884									9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		103

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	UBS3 STA. NAME/ID
101	54	22.34	N	165	16.61	W	16	MAY	14	23	23	4.4	90.	29			357	21				167	

	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		

REMARKS

MAX. DEPTH = 159 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	161	51	867									1
2	100	99		868									2
3	75	75		869									3
4	50	50		870									4
5	40	39		871									5
6	30	31		872									6
7	20	20		873									7
8	10	10		874									8
9	0	3		875	292								9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		102

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	UBS4 STA. NAME/ID
100	54	20.38	N	165	25.71	W	16	MAY	14	22	33	4.5	9 1.	30			352	13				153	

	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		

REMARKS

MAX. DEPTH = 150 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	151		858									1
2	100	99		859									2
3	75	74		860									3
4	50	50		861									4
5	40	41		862									5
6	30	30		863									6
7	20	20		864									7
8	10	10		865									8
9	0	2		866									9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	101

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
99	54	18.59	N	165	52.99	W	16	MAY	14	20	41	3.8	99.	30			15	8				110	UBWO

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			

REMARKS

MAX. DEPTH = 106 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	107		850	291								1
2	75	74		851									2
3	50	50		852									3
4	40	40		853									4
5	30	30		854									5
6	20	20		855									6
7	10	11		856									7
8	0	2	50	857									8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		100

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	UBW1 STA. NAME/ID
98	54	21.51	N	165	55.76	W	16	MAY	14	19	45	3.5	100.	30			26	12				463	

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			

REMARKS

MAX. DEPTH = 452 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	458		839									1
2	300	303		840									2
3	200	201		841									3
4	100	101		842									4
5	75	75		843									5
6	50	50		844			✓						6
7	40	41		845			✓						7
8	30	30		846			✓						8
9	20	21		847			✓						9
10	10	10		848			✓						10
11	0	2		849			✓						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		99

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
97	54	28.28	N	166	02.45	W	16	MAY	14	17	35	.	100	30			36	12				537	UBW2

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			

REMARKS

MAX. DEPTH = 530 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot		49	828									1
2	300			829									2
3	200			830									3
4	100			831									4
5	75			832									5
6	50			833	290		281						6
7	40			834			282						7
8	30			835			285						8
9	20			836			281						9
10	10			837			283						10
11	0			838			283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		98

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
96	54	35.00	N	166	07.91	W	16	MAY	14	16	15	3.3	100	30			9	15				412	UBW3

	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		

REMARKS

MAX. DEPTH = 404 m

Nis No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PMEL Nut.Btl	O2-Btl.No		Chloro-i					Comments	Nis No.
1	Bot			817	277								1
2	250			818									2
3	150			819									3
4	100			820									4
5	75			821									5
6	50			822			281						6
7	40			823			282						7
8	30			824			285						8
9	20			825			281						9
10	10			826			283						10
11	0			827			283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		97

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
95	54	41.27	N	166	14.48	W	16	MAY	14	14	04	3.0	100	30			49	9				291	UBWH

	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		

REMARKS

MAX. DEPTH = 286 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			806									1
2	250			807									2
3	150			808									3
4	100			809									4
5	75			810									5
6	50			811			281						6
7	40			812			282						7
8	30			813			285						8
9	20		30	814	*265		281						9
10	10			815			283						10
11	0			816			283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		96

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
9H	54	33.60	N	166	36.01	W	16	MAY	14	11	27	3.8	99.	31			67	11				428	AE5

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			

REMARKS

Station out of order due to international Ship traffic

MAX. DEPTH = 420 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Btm			795	×263								1
2	300			796									2
3	200			797									3
4	100			798									4
5	75			799									5
6	50			800			281						6
7	40			801			282						7
8	30			802			285						8
9	20			803			281						9
10	10			804			283						10
11	0			805			283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		95

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Relative Humidity %	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
93	54	18.29	N	166	20.92	W	16	MAY	14	07	42	3.9	98.	30			40	13				992	AE3

	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		

REMARKS

MAX. DEPTH = 977 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM		29	784									1
2	500			785									2
3	250			786									3
4	100			787									4
5	75			788									5
6	50			789			281						6
7	40			790			282						7
8	30			791			285						8
9	20			792			281						9
10	10			793			283						10
11	0			794	241		283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		94

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID AE2
92	54	13.93	N	166	15.35	W	16	MAY	14	06	11	4.0	97.	29			40	14				599	

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			

REMARKS

MAX. DEPTH = 594 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Bti.No		Chloro-I					Comments	Nis No.
1	BTM	603		773	220								1
2	500	504		774									2
3	250	250		775									3
4	100	100		776									4
5	75	74		777									5
6	50	49		778			✓						6
7	40	41		779			✓						7
8	30	30		780			✓						8
9	20	20		781			✓						9
10	10	10		782			✓						10
11	0	3		783			✓						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		93

CONSC CAST #	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	DATE (DAY MO YR)	TIME (GMT) (HR MIN)	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	54.16965	-166.232														AE1
91	5410.18 N	16613.92 W	16 MAY 14	0454	4.0	97.	29			37	16				126	

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			

REMARKS

MAX. DEPTH = 122 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	124		765									1
2	75	77		766									2
3	50	51		767									3
4	40	41		768									4
5	30	31		769									5
6	20	20		770									6
7	10	11		771									7
8	0	2	28	772	215								8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		92

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
90	54	04.17	N	166	37.21	W	16	MAY	14	02	58	4.6	96.	30			52	7				105	AW1

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			

REMARKS

MAX. DEPTH = 97 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	98		757	197								1
2	75	76		758									2
3	50	49		759									3
4	40	40		760									4
5	30	30		761									5
6	20	20		762									6
7	10	10		763									7
8	0	3		764									8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		91

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)	Relative Humidity ~~(°C)~~ %	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID AW2
	89	5408.37	N	166	39.30	W	16	MAY	14	01	47	4.6	96.	31			68	16				1074	

	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		

REMARKS

MAX. DEPTH = 1056 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Bti.No		Chloro-I					Comments	Nis No.
1	BTM		27	746									1
2	500	504.4db		747									2
3	250	251.4db		748									3
4	100	100.8db		749									4
5	75	75.		750									5
6	50	49.5		751									6
7	40	39.4		752									7
8	30	31.1		753									8
9	20	20.6		754									9
10	10	9.8		755									10
11	0	2.4		756	175								11
12													12

conductivity

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		90

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID AW3
88	54	11.97	N	166	42.58	W	15	MAY	14	23	09	4.5	96.	31			41	8				1378	

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			

REMARKS

MAX. DEPTH = 1352 m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	1369		735	172								1
2	1000	1010		736									2
3	500	504		737									3
4	100	100		738									4
5	75	75		739									5
6	50	50		740									6
7	40	40		741									7
8	30	30		742									8
9	20	20		743									9
10	10	11		744									10
11	0	3		745									11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		89

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
87	54	18.95	N	166	48.93	W	15	MAY	14	2003		4.6	95.	31			65	9				822	AWL

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			

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	821		724									1
2	500	504		725									2
3	250	247		726									3
4	100	99		727									4
5	75	75		728									5
6	50	50		729									6
7	40	41		730									7
8	30	30		731									8
9	20	21		732									9
10	10	10		733									10
11	0	2	26	734	x168								11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	88

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID AW5
86	54	27.55	N	166	56.42	W	15	MAY	14	18	28	4.8	93.	31			75	8				498	

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			

REMARKS

MAX. DEPTH = 488 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			713	x161								1
2	300			714									2
3	200			715									3
4	100			716									4
5	75			717									5
6	50			718									6
7	40			719									7
8	30			720									8
9	20			721									9
10	10			722									10
11	0			723									11
12													12

No PAR

13
45 600
45
150
135
250

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		87

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	UTI STA. NAME/ID
	85	54 27.03	N	167 22.21		W	15	MAY	14	15	23	05.5	89.	30			308	6				649	

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			

REMARKS

MAX. DEPTH = 633 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot		x25	702									1
2	500			703									2
3	250			704									3
4	100			705									4
5	75			706									5
6	50			707			281						6
7	40			708			282						7
8	30			709			285						8
9	20			710			281						9
10	10			711			283						10
11	0			712	x150		283					bottle not fired	11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	86

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID UT2
	84	54 19.36	N	167 15.98		W	15	MAY	14	13	08	5.4	87.	30			206	7				852	

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			

REMARKS

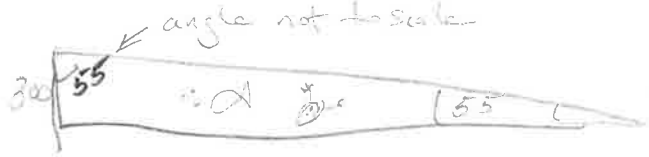
MAX. DEPTH = 837 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			691									1
2	500			692	118								2
3	300			693									3
4	100			694									4
5	75			695									5
6	50			696									6
7	40			697									7
8	30			698									8
9	20			699									9
10	10			700									10
11	0			701									11
12													12

No PAR

30 m/min to 200

Then 45 m/min



$300 \cdot \cos 55$

$\cos = \frac{a}{H}$

$H = \frac{a}{\cos}$ 300

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		85

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
83	54	10.48	N	167	09.18	W	15	MAY	14	09	38	06.1	87.	31			167	48				1640	UT3

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			

REMARKS

Salinity scales were different hence the difference in rates - duh!

MAX. DEPTH = 1499 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	1500			680									1
2	1000			681									2
3	500			682									3
4	100			683									4
5	75			684									5
6	50			685			281						6
7	40			686			282						7
8	30			687			285						8
9	20			688			281						9
10	10			689			283						10
11	0		36	690	107		283						11
12													12

30 m/min to 100m then 45

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		84

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID UT4
	62	54 05.06	N	167 04.09	W		15	MAY	14	07	40	6.0	91.	30			121	4				1069	

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			

REMARKS

fairly large disparity between 1° & 2° salinity.

MAX. DEPTH = 1050 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	1050		669	100								1
2	500			670									2
3	250			671									3
4	100			672									4
5	75			673									5
6	50			674			281						6
7	40			675			282						7
8	30			676			285						8
9	20			677			281						9
10	10			678			283						10
11	0			679			283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		83

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
81	53	58.58	N	166	58.62	W	15	MAY	14	04	58	5.7	93.	29			62	9				104	UT5

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			

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	96	35	661									1
2	75	75		662									2
3	50	50		663			✓						3
4	40	41		664			✓						4
5	30	31		665			✓						5
6	20	20		666			✓						6
7	10	11		667			✓						7
8	0	3		668	37		✓						8
9													9
10													10
11													11
12													12

DRIFTER 136871 deployed prior to STATION (#82)

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		81

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 14BSP-6A
80	53	24.37	N	168	51.45	W	14	MAY	14	19	42	5.8	88.	29			118	10				1011	

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			

REMARKS: Post-deployment of 14BSP-6A mooring

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Rosette Notes Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot 1800	994		650									1
2	500	506		651									2
3	175	177		652	356							O_2 Sensor on mooring	3
4	100	100		653									4
5	75	75		654									5
6	50	49		655									6
7	40	40		656									7
8	30	31		657									8
9	20	20		658									9
10	10	11		659									10
11	0	2		660									11
12													12

30 m/min to 100 m then 45

Drifter after this: 136873 station 81 n3 (82 in SCS log but was @ same location as CTD)

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		80

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
79	53	22.12	N	168	41.30	W	14	MAY	14	1606		5.3	93.	28			120	12				409	DL1/LL15

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			

REMARKS

MAX. DEPTH = 400 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			638									1
2	250			639	357								2
3	150			640									3
4	100			641									4
5	75			642									5
6	50			643			281						6
7	40			644			282						7
8	30			645			285						8
9	20		x34	646			281						9
10	10			647			283						10
11	0			648			283						11
12													12

The PAR has returned

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		79

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	78	53 26.62	N	168	47.67	W	14	MAY	14	14	26	4.9	95.	28			120	16				1298	DL2

	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		

REMARKS

MAX. DEPTH = 1271 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			628									1
2	1000			629									2
3	500			630									3
4	100			631									4
5	75			632									5
6	50			633									6
7	40			634									7
8	30			635									8
9	20			636	358								9
10	10			637									10
11	0			638									11
12													12

No PAR

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		78

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	DL3/LL12 STA. NAME/ID
77	53	31.21	N	168	54.22	W	14	MAY	14	12	33	4.4	96.	28			84	14				1773	

	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		

REMARKS

MAX. DEPTH = 1500 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	1500		33	617	359								1
2	1000			618									2
3	500			619									3
4	100			620									4
5	75			621									5
6	50			622									6
7	40			623									7
8	30			624									8
9	20			625									9
10	10			626									10
11	0			627									11
12													12

30 m/min to 200, then 45 m/min

9:53

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		77

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID DL4/LL11
76	53	36.84	N	169	01.45	W	14	MAY	14	1028		05.3	93.	29.			148	12				1611	

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			

REMARKS

MAX. DEPTH = 1503 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	1500		606										1
2	1000		607										2
3	500		608										3
4	100		609										4
5	75		610										5
6	50		611				281						6
7	40		612				282						7
8	30		613				285						8
9	20		614				281						9
10	10		615				283						10
11	0		616	352			283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		76

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID DL5/LL 10
75	53	47.00	N	169	16.01	W	14	MAY	14	07	52	5.4	94.	29			147	16				1535	

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			

REMARKS

MAX. DEPTH = 1497 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	1500			595	353								1
2	1000			596									2
3	500			597									3
4	100			598									4
5	75			599									5
6	50			600			281						6
7	40			601			282						7
8	30			602			285						8
9	20			603			281						9
10	10			604			283						10
11	0		32	605			283						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		75

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	DL6/LL9 STA. NAME/ID
74	54	02.20	N	169	33.61	W	14	MAY	14	04	56	5.3	93.	28			160	17				1800	

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			

REMARKS

MAX. DEPTH = 1500 m

Nis No.	DEPTH DESIRED	Rosette Notes (mb) Press	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	1500	1522		584	354								1
2	1000	1012		585									2
3	500	504		586									3
4	100	101		587									4
5	75	76		588									5
6	50	50		589			✓						6
7	40	40		590			✓						7
8	30	30		591			✓						8
9	20	20		592			✓						9
10	10	10		593			✓						10
11	0	3		594			✓						11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	74

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	96% Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	73 54 21.02 N	169 49.77 W	14 MAY 14	01 51	5.0	.	29			175	09	8			1860	DL7/LL8

	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		

REMARKS

MAX. DEPTH = 1500 m

Nis No.	DEPTH DESIRED	Rosette Notes Presso	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	1500	1520	31	573	355								1
2	1000	1010		574									2
3	500	503		575									3
4	100	99		576									4
5	75	76		577									5
6	50	51		578			✓						6
7	40	41		579			✓						7
8	30	31		580			✓						8
9	20	20		581			✓						9
10	10	10		582			✓						10
11	0	2		583			✓						11
12													12

Drifter before this station: F0306, station 73

The depth sounder was accidentally unplugged during this cast

logged wrong in event file

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	Dog Leg CTDs	72H1

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
072	54	41.41	N	169	26.24	W	13	MAY	14			4.9	100	31			100	5					DL8-LL 7

2153?

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			

REMARKS

The event logger has incorrect values. The depth + time are wrong. Not sure about the lat + lon

MAX. DEPTH = 1500 m → hydro depth

Nis No.	DEPTH DESIRED	Rosette Notes Press.	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	1500	520		562									1
2	1000	1010		563									2
3	500	504		564	348								3
4	100	100		565									4
5	75	75		566									5
6	50	50		567			✓						6
7	40	41		568			✓						7
8	30	31		569			✓						8
9	20	20		570			✓						9
10	10	11		571			✓						10
11	0	2		572			✓						11
12													12

when deep, use depth, not pressure to stop winch
bottles marked @ pressure on screen

5:50

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	71

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	71	54 57.05	N	168 53.91	W		13	MAY	14	18	24	03.4	100	29			112	15				2202	LL6 DL9

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			

REMARKS

MAX. DEPTH = 1506 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			551									1
2	1000			552									2
3	500			553									3
4	100			554									4
5	75			555									5
6	50			556									6
7	40			557									7
8	30			558									8
9	20			559									9
10	10			560	349								10
11	0		42	561									11
12													12

PAR removed

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	69

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	70	55 10.28	N	168	31.57	W	13	MAY	14	14	23	3.0	10.0	31			105	5				1914	LL5/2 DL 102

	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		

REMARKS problem with 2° salinity, flushed with DIW + fresh water. Decided to do cast with only 1° salinity but ~30 m 2° salinity cleared up, matched 1° for remainder of cast

MAX. DEPTH = 1521 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			540	289								1
2	1000			541	288								2
3	500			542	287								3
4	100			543	286								4
5	75			544	285								5
6	50			545	284								6
7	40			546	283								7
8	30			547	282								8
9	20			548	281								9
10	10			549	280								10
11	0			550	279								11
12													12

PAR removed

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	68

CONSC CAST #	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	DATE (DAY MO YR)	TIME (GMT) (HR MIN)	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
69	55 21.7713 N	168 14.3755 W	13 MAY 14	1045	2.6	100	29			116	9				1046	LL-5 DL10

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			

REMARKS

MAX. DEPTH = 1024 m

Bottom depth ~ ship Depth sounder is iffy, stopped @ 1000 m Sounder says 1046' altimeter not working either

Very low oxygen below ~800 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	1000	41	529	350								1
2	500			530									2
3	250			531									3
4	100			532									4
5	75			533									5
6	50			534			281						6
7	40			535			282						7
8	30			536			285						8
9	20			537			281						9
10	10			538			283						10
11	0			539			283						11
12													12

PAR removed

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		67

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	68	55 25.81	N	168 06.97	W		13	MAY	14	09	17	2.5	100	30			130	7				241	DL11

L-Line 4

	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		

REMARKS

MAX. DEPTH = 232 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			519									1
2	150			520									2
3	100			521									3
4	75			522									4
5	50			523			281						5
6	40			524			282						6
7	30			525			285						7
8	20			526			281						8
9	10			527	351		283						9
10	0			528			283						10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		66

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	67	57 51.93	N	170 02.81	W		12	MAY	14	19	12	2.8	90.	31			70	8				73	

	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		

REMARKS

MAX. DEPTH = 50 m

Cast to collect water for a primary Prod experiment, collecting all normal samples

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I	Lugol				Comments	Nis No.
1	50		40	513	347		281						1
2	40			514			282						2
3	30			515			285						3
4	20			516			281						4
5	10			517			283	20				Chl max	5
6	0			518			283	19					6
7													7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		65

CONSC CAST #	LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	66 59 53.80	N	172 09.91	W	12 MAY 14	0800	1.6	94.	29			200	10				74	70m-40-M5W

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			

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM			506									1
2	50			507			139						2
3	40			508			139						3
4	30			509			139						4
5	20			510			138						5
6	10			511			138						6
7	0			512	346		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	64

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	65	60 04.40	N	171 59.98	W		12	MAY	14	06	34	1.1	93.	28			182	11				64	70m-39-M5N

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			

REMARKS

MAX. DEPTH = 57 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	61	39	499	345								1
2	50	51		500			✓						2
3	40	41		501			✓						3
4	30	30		502			✓						4
5	20	20		503			✓						5
6	10	10		504			✓						6
7	0	3		505			✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	63

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	64	59 53.51	N	171	42.68	W	12	MAY	14	04	50	1.3	91.	28			198	9				72	70M-38-M5

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			

REMARKS

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	LU9015	Chloro-I					Comments	Nis No.
1	BTM	66		492									1
2	50	51		493			✓						2
3	40	40		494		18	✓						3
4	30	30		495			✓						4
5	20	20		496			✓						5
6	10	10		497			✓						6
7	0	2		498	344	17	✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		62

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	M5S STA. NAME/ID
	59	42.23	N	171	29.83	W	12	MAY	14	02	27	1.6	96.	29			201	6				75	

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			

REMARKS

MAX. DEPTH = 68 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	70		485	296								1
2	50	50		486			✓						2
3	40	40		487			✓						3
4	30	30		488			✓						4
5	20	21		489			✓						5
6	10	10		490			✓						6
7	0	3	38	491			✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	61

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 70M-37
62	59	46.72	N	171	26.86	W	12	MAY	14	01	38	1.1	97.	29			195	6				73	

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			

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	69		478									1
2	50	50		479			✓						2
3	40	40		480			✓						3
4	30	31		481			✓						4
5	20	20		482			✓						5
6	10	10		483			✓						6
7	0	2		484	300		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		60

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 70M-5E
61	59	54.02	N	171	15.39	W	12	MAY	14	00	05	1.1	98.	29			183	8				72	

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			

REMARKS

MAX. DEPTH = 63 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	67	37	471	304								1
2	50	50		472			✓						2
3	40	40		473			✓						3
4	30	30		474			✓						4
5	20	20		475			✓						5
6	10	10		476			✓						6
7	0	2		477			✓						7
8													8
9													9
10													10
11													11
12													12

This cast was logged as 70M-37, but it is 70M-5E.

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		59

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 70M-3b
	60	59.43.06	N	171	08.14	W	11	MAY	14	22	29	1.0	98.	29			164	8				72	

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			

REMARKS

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BOT	68		464									1
2	50	51		465			✓						2
3	40	41		466			✓						3
4	30	31		467			✓						4
5	20	21		468			✓						5
6	10	10		469			✓						6
7	0	2		470	303		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		58

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	59	59.35.77	N	170	55.63	W	11	MAY	14	21	22	-0.0	98.	29			149	5				71	70M-35

	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		

REMARKS

MAX. DEPTH = 63 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	67		457	255								1
2	50	51		458			✓						2
3	40	40		459			✓						3
4	30	30		460			✓						4
5	20	20		461			✓						5
6	10	10		462			✓						6
7	0	2	48	463			✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		57

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	58	59 26.16	N	170 54.52		W	11	MAY	14	1954		-0.6	99.	29			138	4				73	70M3H

	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		

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	69	47	450									1
2	50	51		451			✓						2
3	40	40		452			✓						3
4	30	30		453			✓						4
5	20	20		454			✓						5
6	10	9		455			✓						6
7	0	2		456	262		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		56

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
57	59	20.10	N	170	39.48	W	11	MAY	14	18	45	-0.9	99.	28			299	1				71	70M33

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			

REMARKS

Primary oxygen went flaky on upcast. Sampling for primary productivity

Primary system lost all channels/instruments on upcast

MAX. DEPTH = 63 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Lugols	Chloro-I					Comments	Nis No.
1	Bot			443	275								1
2	50			444			139						2
3	40			445			139						3
4	30			446			139						4
5	20			447		16	138						5
6	10			448			138						6
7	0			449		15	139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		55

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	56	59 14.81	N	170 24.80	W		11	MAY	14	17	28	0.1	99.	27			238	4				68	70M32

	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		

REMARKS

Vents on Niskins were all open. No Oxygen Sample

MAX. DEPTH = 60 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			436									1
2	50			437			139						2
3	40			438			139						3
4	30			439			139						4
5	20			440			138						5
6	10			441			138						6
7	0		x 46	442	x 275		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		54

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
55	59	06.35	N	170	14.59	W	11	MAY	14	16	15	1.1	99.	27			210	5				68	70M31

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			

REMARKS

MAX. DEPTH = 62 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			429	295								1
2	50			430			139						2
3	40			431			139						3
4	30			432			139						4
5	20			433			138						5
6	10			434			138						6
7	0			435			139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		53

CONSC CAST #	LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	54 58.56.97	N	170 19.25	W	11 MAY 14	1445	1.799	9.	26			215	4				71	70m30

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			

REMARKS

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot		45	422									1
2	50			423			139						2
3	40			424			139						3
4	30			425			139						4
5	20			426			138						5
6	10			427			138						6
7	0			428	244		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		52

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
EB	58	46.55	N	170	17.41	W	11	MAY	14	13	27	2.6	98.	26			195	5				72	70M29

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			

REMARKS

Upcast T & S are flaky

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			415	247								1
2	50			416			139						2
3	40			417			139						3
4	30			418			139						4
5	20			419			138						5
6	10			420			138						6
7	0			421			139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		51

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	58	58 37.15	N	170 16.22	W		11	MAY	14	1202		11.998.		26			169	7				73	70M28

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			

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			408									1
2	50			409			139						2
3	40			410			139						3
4	30			411			139						4
5	20			412			138						5
6	10			413			138						6
7	0			414	252		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		50

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
51	58	26.83	N	170	11.04	W	11	MAY	14	1043		2.2	97.	25			164	7				73	70427

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			

REMARKS

MAX. DEPTH = 68 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			401	254								1
2	50			402			139						2
3	40			403			139						3
4	30			404			139						4
5	20			405			138						5
6	10			406			138						6
7	0		H4	407			139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		49

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
50	58	17.02	N	170	05.31	W	11	MAY	14	09	12	2.6	97.				164	7				73	70M26

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			

REMARKS

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			394									1
2	50			395			139						2
3	40			396			139						3
4	30			397			139						4
5	20			398			138						5
6	10			399			138						6
7	0			400	* 119		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	48

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	49 58.08.74 N	169 55.05 W	11 MAY 14	0759	2.8	97.	24			150	7				71	70M-25

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			

REMARKS

Upcast Very different than down above the thermocline, esp salinity

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM		43	387	132								1
2	50			388			139						2
3	40			389			139						3
4	30			390			139						4
5	20			391			138						5
6	10			392			138						6
7	0			393			139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	47

70M - 24

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	48	58 02.46	N	169	40.51	W	11	MAY	14	06	32	3.2	97.	24			163	8				70	

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			

REMARKS

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	66		380									1
2	50	50		381			✓						2
3	40	40		382			✓						3
4	30	31		383			✓						4
5	20	20		384			✓						5
6	10	10		385			✓						6
7	0	2		386	146		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		46

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 70M-23
	57	54.45	N	169	29.84	W	11	MAY	14	05	19	3.4	97.	23			147	9				69	

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			

REMARKS

MAX. DEPTH = 62 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	66		373	182								1
2	50	51		374			✓						2
3	40	41		375			✓						3
4	30	30		376			✓						4
5	20	20		377			✓						5
6	10	10		378			✓						6
7	0	3	24	379			✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	45

70M-22-MLIN

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	46	57 55.64	N	169 19.23	W		11	MAY	14	04	16	3.0	97.	23			149	6				67	

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			

REMARKS

MAX. DEPTH = 61 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	64		366									1
2	50	52		367			✓						2
3	40	41		368			✓						3
4	30	30		369			✓						4
5	20	21		370			✓						5
6	10	10		371			✓						6
7	0	2		372	241		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	44

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 70M-22-M4W
	45 58 04.09 N	168 43.75 W	11 MAY 14	0203	2.9	97.	24			148	8				70	

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			

REMARKS

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	67	23	359	263								1
2	50	50		360			✓						2
3	40	41		361			✓						3
4	30	29		362			✓						4
5	20	20		363			✓						5
6	10	9		364			✓						6
7	0	2		365			✓						7
8													8
9													9
10													10
11													11
12													12

Northern Pintail!

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	43

70M-21-M4

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	44	57 50.28	N	168	53.17	W	11	MAY	14	00		3.1	95.	24			152	9				71	

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			

REMARKS

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	68		352									1
2	50	49		353			✓						2
3	40	41		354			✓						3
4	30	31		355			✓						4
5	20	21		356			✓						5
6	15	14					✓					Chl Max	6
7	10	10		357			✓						7
8	0	3		358	265		✓						8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		42

70-20M-4E

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	43	57 46.03	N	168	27.99	W	10	MAY	14	21	47	3.6	92.	24			155	10				71	

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			

REMARKS

MAX. DEPTH = m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	67		345	277								1
2	50	51		346			✓						2
3	40	41		347			✓						3
4	30	31		348			✓						4
5	20	21		349			✓						5
6	10	11		350			✓						6
7	0	2	22	351			✓						7
8													8
9													9
10													10
11													11
12													12

Harlequin duck way out here!?

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		41

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	42	57 39.18	N	169	01.34	W	10	MAY	14	1942		3.5	91.	23			154	12				68	70-19M 45

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			

REMARKS

MAX. DEPTH = 62 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	Chlor	Chloro-I					Comments	Nis No.
1	BTM	65		338									1
2	50	51		339		✓							2
3	40	41		340		✓							3
4	30	36		341		✓							4
5	20	20		342		✓							5
6	10	10		343		✓							6
7	0	3		344	175	✓							7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		40

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	41	57.31.45	N	168	36.73	W	10	MAY	14	17	57	4.0	89.	23			151	11				72	M7018

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			

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot		21	331	197								1
2	50			332			281						2
3	40			333			282						3
4	30			334			285						4
5	20			335			281						5
6	10			336			283						6
7	0			337			283						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		39

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	4057 31.16 N	168 18.07 W	10 MAY 14	1641	4.0	86.	23			154	11				71	70m17

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			

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	02-Btl.No		Chloro-I	Lugol				Comments	Nis No.
1	Bot			324									1
2	50			325									2
3	40			326									3
4	30			327									4
5	20			328									5
6	10			329				12					6
7	0			330	215			11					7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	38

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	39	57 30.24	N	167 59.02	W		10	MAY	14	1509		4.0	85.	24			169	15				72	70m16

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			

REMARKS

2° Salinity wonky on upcast
ditto for primary

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-l					Comments	Nis No.
1	Bot			317	220								1
2	50			318			281						2
3	40			319			282						3
4	30			320			285						4
5	20			321			281						5
6	10			322			283						6
7	0		20	323			283						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		37

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	38	57 30.12	N	167 39.67		W	10	MAY	14	1345		3.9	85.	25			174	11				72	70 M15

SBE 9+		FLUOR S/N	2057
PRESS SN	0291	SBE43-Oxy (prime)	0904
PRI TEMP SN	2376	SBE43-Oxy (sec)	0910
SEC TEMP SN	4379	~~Transmissometer~~ Turbidity	2057
PRI COND SN	2985	PAR S/N	4603
SEC COND SN	3127		

REMARKS

MAX. DEPTH = 67 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			310									1
2	50			311			139						2
3	40			312			138						3
4	30			313			139						4
5	20			314			138						5
6	10			315			138						6
7	0			316	150		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	36

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	37	57 30.26	N	167 20.60	W		10	MAY	14	12	11	4.0	84.	24			174	10				7170	M14

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			

REMARKS

MAX. DEPTH = 67 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot		19	303	161								1
2	50			304									2
3	40			305									3
4	30			306									4
5	20			307									5
6	10			308									6
7	0			309									7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		35

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	36	57 31.35	N	167 01.99	W		10	MAY	14	10	53	3.3	96.	25			157	8				70	70 m13

	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		

REMARKS

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bt			296									1
2	50			297			139						2
3	40			298			138						3
4	30			299			139						4
5	20			300			138						5
6	10			301			138						6
7	0			302	168		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	34

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	35	57.25.71	N	166	48.41	W	10	MAY	14	09	34	4.6	96.	26			151	8				69	70M12

MAX. DEPTH = 65 m

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			

REMARKS

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			289	172								1
2	50			290			139						2
3	40			291			138						3
4	30			292			139						4
5	20			293			138						5
6	10			294			138						6
7	0		18	295			139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		33

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	34	5726.25	N	1663	0.78	W	10	MAY	14	08	19	3.5	96.	25			145	7				69	70M11

MAX. DEPTH = 59 m

	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		

REMARKS

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM			282									1
2	50			283			139						2
3	40			284			138						3
4	30			285			139						4
5	20			286			138						5
6	10			287			138						6
7	0			288	37		139						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	31

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
33	57	19.33	N	166	19.56	W	10	MAY	14	06	49	4.0	96.	25			153	5				69	70M10

MAX. DEPTH = 65 m

	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		

REMARKS

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	65	17	275	100		139						1
2	50	50		276			138						2
3	40	41		277			138						3
4	30	31		278			139						4
5	20	20		279			138						5
6	10	10		280			139						6
7	5	3		281									7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	30

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
32	57	19.25	N	166	00.61	W	10	MAY	14	05	36	3.9	95.	25			147	6				68	70M9

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			

REMARKS

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Bti.No		Chloro-I					Comments	Nis No.
1	BTM	64		268									1
2	50	51		269			✓						2
3	40	41		270			✓						3
4	30	30		271			✓						4
5	20	20		272			✓						5
6	10	10		273			✓						6
7	0	2		274	107		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	29

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	31	57 15.68	N	165 44.85		W	10	MAY	14	04	18	4.0	94.	25			170	5				69	70M8

MAX. DEPTH = 67 m

	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		

REMARKS

Rinsed secondary O_2 with tritar solution prior to cast to see if sensitivity improves

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	67		261	118								1
2	50	49		262			✓						2
3	40	39		263			✓						3
4	30	31		264			✓						4
5	20	20		265			✓						5
6	10	10		266			✓						6
7	0	2	16	267			✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		28

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	30	57 06.47	N	165 36.40	W		10	MAY	14	03	02	4.4	94.	25			179	7				70	70M7

	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		

REMARKS

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	66		254									1
2	50	50		255			✓						2
3	40	41		256			✓						3
4	30	30		257			✓						4
5	20	20		258			✓						5
6	10	10		259			✓						6
7	0	2		260	291		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	27

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	29	56 59.52	N	165 06.91		W	10	MAY	14	0103		5.2	89.	27			196	4				71	70M6

MAX. DEPTH = 68 m

	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		

REMARKS

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	68	15	247	292								1
2	50	51		248			✓						2
3	40	40		249			✓						3
4	30	30		250			✓						4
5	20	21		251			✓						5
6	10	10		252			✓						6
7	0	2		253			✓						7
8													8
9													9
10													10
11													11
12													12

lots of jellyfish - use downcast only for bottle data
both primary & secondary conductivity bad on upcast

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		26

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
28	56	51.73	N	165	07.31	W	09	MAY	14	23	54	4.1	89.	26			217	4				74	70M5

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			

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	67		240									1
2	50	49		241			✓						2
3	40	39		242			✓						3
4	30	31		243			✓						4
5	20	20		244			✓						5
6	10	10		245			✓						6
7	0	3		246	293		✓						7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		25

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	27	56 54.78	N	164 49.39	W		09	MAY	14	22	35	4.5	90.	26			240	6				72	70M4

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			

REMARKS

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BOT	67		233	294								1
2	50	51		234			✓						2
3	40	40		235			✓						3
4	30	31		236			✓						4
5	20	20		237			✓						5
6	10	11		238			✓						6
7	0	3	14	239			✓						7
8													8
9													9
10													10
11													11
12													12

washed salinity out, looks good

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		24

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
26	56	48.54	N	164	35.02	W	09	MAY	14	21	06	4.5	87.	26			226	8				73.1	70M3

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			

REMARKS

MAX. DEPTH = 67 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BOT	68		226									1
2	50	51		227			✓						2
3	40	41		228			✓					primary salinity has a flush on the upcast	3
4	30	31		229			✓						4
5	20	20		230			✓						5
6	10	10		231			✓						6
7	0	2		232	287		✓						7
8													8
9													9
10													10
11													11
12													12

use secondary salinity for upcast bottle data.

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		23

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
025	56	45.87	N	164	20.15	W	09	MAY	14	19	35	5.0	85.	26			218	6				74	M2W

	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		

REMARKS

Cast 24 had one bottle mistrip, only 7 bottles instead of 8. Redoing cast

MAX. DEPTH = 65 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I	Lugol				Comments	Nis No.
1	Bot		13	219	288								1
2	50			220									2
3	40/38			221				10				fl spike @ 38	3
4	30			222									4
5	20			223									5
6	10			224									6
7	0			225				9				Didn't fire the	7
8												surface bottle	8
9												Used bucket	9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		023

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
024	56	46.00	N	164	19.92	W	09	MAY	14	19	13	4.6	87.	25			218	6				73	M2W

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			

REMARKS

Serious interface at ~ 36 m.

mistrip, one bottle did not fire

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			219	288								1
2	50			220			138						2
3	40			221									3
4	38			—	—		138	10					4
5	30			222			139						5
6	20			223			138						6
7	10			224			138						7
8	0			225			139	9					8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	022

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
023	56	40.00	N	163	51.95	W	09	MAY	14	16	58	4.3	93.	25			238	6				75	M28

	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		

REMARKS

Good for O_2 Lag determination

MAX. DEPTH = 69 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-l	Lugol				Comments	Nis No.
1	Bot		12	212									1
2	50			213			139						2
3	44						138	8				fl. spike	3
4	40			214			138						4
5	30			215			139						5
6	20			216			138						6
7	10			217	~~280~~		138					Bottle did not Trip	7
8	0			218	289		139	7					8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		021

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
022	56	56.52	N	163	49.49	W	09	MAY	14	14	48	3.8	94.	23			233	6				70	M2E

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			

REMARKS

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-l	Lug				Comments	Nis No.
1	Bot			205	290								1
2	50			206			139						2
3	40			207			136						3
4	30			208			139						4
5	20			209			138	6					5
6	10			210			138						6
7	0			211			139	5					7
8													8
9													9
10													10
11													11
12													12

70MMZM

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		020

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
021	57	01.05	N	164	12.64	W	09	MAY	14	12	52	3.9	90.	23			249	8				69	7CMM2M

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			

REMARKS

MAX. DEPTH = 64 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I	Lugol				Comments	Nis No.
1	Bof			198									1
2	50			199			281						2
3	40			200			283						3
4	30			201			285						4
5	20			202			281	4					5
6	10		11	203	286		283						6
7	0			204			283	3					7
8													8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	14-BSM-2A

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 020
	20 56 52.21 N	164 02.64 W	09 MAY 14	0948	3.9	90.	23			254	11				72	

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			

REMARKS

Post Deploy 2nd CTD at 14-BSM-2A

MAX. DEPTH = 66 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC	Chloro-I	Lugol				Comments	Nis No.
1	Bot			191	283, 284, 285	✓✓✓						DIC + O_2 for cage	1
2	50			192									2
3	40			193									3
4	30			194									4
5	20			195				x2					5
6	10			196									6
7	0			197				x1					7
8													8
9													9
10													10
11													11
12													12

019

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	14-BSM-2A

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	19	56 52.22	N	164 02.63	W		09	MAY	14	09	20	3.8	91.	23			247	11				72	

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			

REMARKS

Post Deploy CTD at BSM-2A

CTD at depth off by ~2 minutes

MAX. DEPTH = 61 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC	Chloro-I					Comments	Nis No.
1	61			185, 186, 187								triplicate nuts for ISUS	1
2	24		10				281						2
3	24						283						3
4	24						285						4
5	13						281						5
6	13						283B						6
7	13						283A						7
8	0				279, 280, 2561	✓✓✓						DIC for bouy O2 for bouy	8
9	0			188, 189, 190								triplicate nuts for ISUS	9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		018

CONSC CAST #	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	DATE (DAY MO YR)	TIME (GMT) (HR MIN)	DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
018	5445.12 N (54.75193)	16602.91 W (166.04849)	08 MAY 14	1610	4.2	87%	20			254	18				221	UBN1

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			

REMARKS

MAX. DEPTH = 217 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	215		175									1
2	150			176									2
3	100			177									3
4	75			178									4
5	50			179									5
6	40			180									6
7	30			181									7
8	20			182									8
9	10			183	282								9
10	0			184									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	017

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
01	75	48.75	N	165	51.31	W	08	MAY	14	14	29	3.8	89.	20			273	16				164	UBN2

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			

REMARKS

MAX. DEPTH = 157 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot		9	166	264								1
2	100			167									2
3	75			168									3
4	50			169		281							4
5	40			170		282							5
6	30			171		285							6
7	20			172		281							7
8	10			173		283							8
9	0			174		283							9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		016

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
016	54	52.19	N	165	40.07	W	08	MAY	14	1320		4.2	87.	19			266	15				142	UBM3

	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		

REMARKS

MAX. DEPTH = 136 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	135		157									1
2	100			158									2
3	75			159									3
4	50			160			281						4
5	40			161			282						5
6	30			162			285						6
7	20			163			281						7
8	10			164	190		283						8
9	0			165			283						9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	015

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
015	55	55.88	N	165	28.35	W	08	MAY	14	11	52	3.8	91.	19			267	16				125	UBN4

MAX. DEPTH = 120 m

	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		

REMARKS

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			148	276								1
2	100			149									2
3	75			150									3
4	50			151			281						4
5	40			152			282						5
6	30			153			285						6
7	20			154			281						7
8	10		8	155			283						8
9	0			156			283						9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		014

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts) *	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID 014
014	54	59.24	N	165	16.95	W	08	MAY	14	10	42	4.3	81.	19			261	15				116	UBM5

	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		

REMARKS

MAX. DEPTH = 109 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-l					Comments	Nis No.
1	Bot			139									1
2	100			140									2
3	75			141									3
4	50			142									4
5	40			143									5
6	30			144									6
7	20			145									7
8	10			146	233								8
9	0			147									9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		013

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
013	55	02.89	N	165	05.92	W	08	MAY	14	09	23	3.6	89.	19			266	9				112	UBM6

	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		

REMARKS

MAX. DEPTH = 106 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Bti.No		Chloro-I					Comments	Nis No.
1	Bot		7	131	243								1
2	75			132									2
3	50			133			281						3
4	40			134			282						4
5	30			135			285						5
6	20			136			281						6
7	10			137			283						7
8	0			138			283						8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		012

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
012	54	56.17	N	164	59.46	W	08	MAY	14	08	00	4.4	74.	19			276	11				92	UBE3

	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		

REMARKS

CTD after deployment of mooring 14UBP-1A

MAX. DEPTH = 81 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM			123									1
2	75			124									2
3	50			125			281						3
4	40			126			282						4
5	30			127			285						5
6	20			128			281						6
7	10			129			283						7
8	0			130	166		283						8
9													9
10													10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		011

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
011	54	49.53	N	164	53.47	W	08	MAY	14	06	18	4.1	86.	18			286	09				74	UBE2

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			

REMARKS

MAX. DEPTH = 67.5 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	71		116	222								1
2	50	51		117									2
3	40	39		118									3
4	30	30		119									
5	20	19		120									
6	10	10		121									
7	0	2	6	122									
8													8
9													9
10													10
11													11
12													12

AVERY® 55160™

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		010

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
010	54	42.93	N	164	47.04	W	08	MAY	14	05	08	4.5	76.	19			298	11				47	UBE1

	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		

REMARKS

MAX. DEPTH = 38 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	41		111								broken	1
2	30	31		112									2
3	20	20		113									3
4	10	10		114									4
5	0	3		115	088								5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

Abby opened a new file on the event logger
So there might be some events under 003 + 004 file index

Drifter
136874

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	009

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
009	54	17.91	N	164	44.31	W	08	MAY	14	0136		4.0	83.	17			313	20				84	UP3A

	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		

REMARKS

MAX. DEPTH = 77 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	77	5	104	219								1
2	50	50		105									2
3	40	40		106									3
4	30	30		107									4
5	20	20		108									5
6	10	10		109									6
7	0			110									7
8													8
9													9
10													10
11													11
12													12

No Chl

NMM

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		008

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
008	54	26.26	N	164	58.86	W	07	MAY	14	2307		4.1	81.	17			328	15				56	UBS1

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			

REMARKS

MAX. DEPTH = 47 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	47		99		✓						leaked-no sample	1
2	30	32		100		✓							2
3	20	21		101		✓							3
4	10	10		102		✓							4
5	0	2		103	127	✓							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12

NMM

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	007

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
007	54	25.22	N	165	68.53	W	07	MAY	14	21	23	3.9	82.	17			338	16				135	UGS2

	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		

REMARKS

MAX. DEPTH = 129 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BTM	129		90	224								1
2	100	101		91									2
3	75	75		92									3
4	50	51		93			✓					see note below	4
5	40	41		94			✓						5
6	30	31		95			✓					nut sample contaminated w/ 30m water in it; 50m not contaminated but has unknown lesser volume	6
7	20	22		96			✓						7
8	10	10	4	97			✓						8
9	0	2		98			✓						9
10													10
11													11
12													12

NMM

oops, didn't change cast # in event logger
logged as 006

VESSEL	CRUISE ID	PROJECT & LEG	STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise	006

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	5422.49			16516.67			05/07/14																
006	54	22.49	N	165	16.67	W	07	MAY	14	20	21	3.8	83.	16			314	16				167	UBS3

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			

REMARKS: calm-ish

MAX. DEPTH = 159 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bt	159		81									1
2	100	99		82									2
3	75	75		83									3
4	50	51		84			✓						4
5	40	40		85			✓						5
6	30	30		86			✓						6
7	20	21		87			✓						7
8	10	11		88			✓						8
9	0	2		89	266		✓						9
10													10
11													11
12													12

NMM

assume primary oxygen is correct
secondary 80 lower

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		005

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
005	54	20.57	N	165	25.74	W	07	MAY	14	18	05	2.5	89.	15			337	12				151	UBS4

	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		

REMARKS

MAX. DEPTH = 144 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BOT		3	71	278								1
2	125			72									2
3	100			73									3
4	75			74									4
5	50			75									5
6	40			76									6
7	30			77									7
8	20			78									8
9	10			79									9
10	0			80									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		004

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
004	54	21.38	N	166	55.61	W	07	MAY	14	15	13	2.7	89.	15			278	12				457	UBW1

	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		

REMARKS

MAX. DEPTH = 452 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BOT			61									1
2	200			62									2
3	100			63									3
4	75			64									4
5	50			65									5
6	40			66									6
7	30			67									7
8	20			68									8
9	10			69									9
10	0			70	179								10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		003

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
003	54	28.37	N	166	02.25	W	07	MAY	14	12	57	3.7	76.	15			314	7				536	UWB2

	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		

REMARKS

MAX. DEPTH = 531 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot			51	102								1
2	300			52									2
3	150			53									3
4	75			54									4
5	50			55									5
6	40			56									6
7	30			57									7
8	20			58									8
9	10			59									9
10	0		2	60									10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		002

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)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
002	54	34.96	N	166	07.58	W	07	MAY	14	11	01	3.4	75.	15			302	10				413	UBW3

	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		

REMARKS

MAX. DEPTH = 405 m

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	Bot	400		41									1
2	200			42									2
3	100			43								Leak	3
4	75			44									4
5	50			45			281					Leak	5
6	40			46			282						6
7	30			47			285						7
8	20			48			281						8
9	10			49			283						9
10	0			50	212		283						10
11													11
12													12

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1405	Eco-FOCI Spring Mooring Cruise		001

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE DAY	DATE MO	DATE YR	TIME (GMT) HR	TIME (GMT) MIN	AIR TEMP DRY BULB (°C)	Relative Humidity (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
001	54	41.24	N	166	14.09	W	07	MAY	14	08	47	3.2	74.	14			332	11				291	UBN4

SBE 9+	0291	FLUOR S/N	FLNTURTD
PRESS SN		SBE43-Oxy (prime)	0904
PRI TEMP SN	2376	SBE43-Oxy (sec)	0910
SEC TEMP SN	4379	Transmissometer	
PRI COND SN	2985	PAR S/N	4603
SEC COND SN	3127	TURB	FNTURBD-2057

REMARKS

MAX. DEPTH = 284 m

CTD stopped @ 100 meters for ~5 min while trying to fix winch readout

V1 + V3 are free, V7 is Flour, V6 - turb, V5 - O_2 (2), V4 - O_2 (1), V2 - alt, V0 - PAR

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No		Chloro-I					Comments	Nis No.
1	BOT			31									1
2	200			32									2
3	100			33									3
4	75			34									4
5	50	LEAKED		35			281						5
6	40			36			282						6
7	30			37			285						7
8	20			38			281						8
9	10			39			283						9
10	0			40			283						10
11													11
12													12