

IOS 58E19 was transmission S/N 139

* 1.20 m beam FMEI (top) & EOS (bottom) CTD

PG 1 OF 48

VESSEL Sir Wilfrid Laurier	PROJECT & LEG * 1.0m LA58-02	STATION DESIGNATION
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CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=233	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
001	58 47.27 N	168 23.12 W	30 SEP 98	1641	4.3	2.7	25.58320	3.0	5.81	51	1.1				

CTD	TIMES	JD/TIME	DATA LOCATION	REMARKS
TYPE & SN	SBE19 650	DATA ON	Tape/Diskette ID	File Name/Header
PRESS SN	146055	START DOWN		
TEMP SN	650	AT DEPTH		
COND SN	650	AT SURFACE		

PAR	FLUOR	CHLAM	TRANSMISSOMETER	Cleaned air bleed valve
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POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT's
1	25	25.000	6.5398		31.4801	31.4095	1			
2										
3		25.000	6.5400		31.4663					
4										
5										
6										
7										
8										
9										
10										
11										
12										

too fast

* 24 m/min

shipped 1204/139
10m to 0m during processing

given to NORMAN
58E19
10m to 0m
S/N 1030 m

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION													
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=233		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	*	*	(m)			
002	5849.88 N	16	8	09	10	30	19	06	4.3	2.7	255	83	20	30	58	1	47
CTD		TIMES		JD/TIME		DATA LOCATION											
TYPE & SN		SBE19 650		DATA ON		Tape/Diskette ID File Name/Header											
PRESS SN		146055		START DOWN		CTD 002 (top) to 7000m w/ IOS 58419											
TEMP SN		650		AT DEPTH		IOS002 (bottom) CTD 510 1030 9/10/19											
COND SN		650		AT SURFACE		MAX. DEPTH = 38 m											
POS. TRIP DEPTH		<input type="checkbox"/> PAR <input type="checkbox"/> FLOR <input type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER		<input type="checkbox"/> Cleaned air bleed valve													
CTD CONVERTED MONITOR VALUES		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.	
1 18138		37.000		6.8500				31.3585		31.3543		2					
2																	
3 IOS		37.000		6.8523				31.3486									
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

* 6 m/min

* 985/1047
* 985/1047

Shropshire 10/19/1021 Dean

VESSEL		PROJECT & LEG		STATION DESIGNATION										
Sir Wilfrid Laurier		LA98-02												
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=274	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)					
0104	5840.08 N	16818.73 W	01 SEP 98	0000	5.0	3.2	25.4	83	20	27	5	81	54	4.1
CTD		TIMES	JD/TIME	DATA LOCATION										
TYPE & SN		SBE19 650	DATA ON	115750										
PRESS SN		146055	START DOWN	CTD004 (top)										
TEMP SN		650	AT DEPTH	CTD004 (bottom)										
COND SN		650	AT SURFACE	MAX. DEPTH = 41 m										
PAR		FLUOR	CHLAM	TRANSMISSOMETER										
CTD CONVERTED MONITOR VALUES		Cleaned air bleed valve												
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL	WHIT'S NUTR.	SAMPLE BOTTLE NUMBER			
1	DATA 18	360000	6.6212		31.4541	31.4505	4							
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

6 m/min

sigpco 945/932 pearce

2

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Wilfrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 234	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
005	5838.37 N	16833.92 W	01 SEP 98	1720	4.6	2.6	24.3	8350	158	62	57	5.1			
CTD	TIMES		JD/TIME	DATA LOCATION											
TYPE & SN	SBE19 650	DATA ON		Tape/Diskette ID File Name/Header											
PRESS SN	146055	START DOWN		CTD005 (top) of F-9815-8											
TEMP SN	650	AT DEPTH		TOS005 (bottom)											
COND SN	650	AT SURFACE		MAX. DEPTH = 47 m											
<input type="checkbox"/> PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHLOR <input type="checkbox"/> TRANSMISSOMETER <input type="checkbox"/> Cleaned air bleed valve		CTD CONVERTED MONITOR VALUES													
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.					
1	133.604	42	5.6131		31.6351	31.632	5								
2															
3		42	5.6133		31.6264										
4															
5															
6															
7															
8															
9															
10															
11															
12															

125000m

seas ranged 985/900

[illegible]

748/731

VESSEL		PROJECT & LEG		STATION DESIGNATION												
Sir Wilfrid Laurier		LA98-02														
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=234	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)							
0075828.92	N	16832.46	W	010CT98	2140	4.6	3.3	244	182	90	168	62		63	7.1	
CTD	TIMES	JD/TIME	DATA LOCATION													
TYPE & SN	SBE19 650	DATA ON	Tape/Diskette ID File Name/Header													
PRESS SN	146055	START DOWN	CTD003 (top)													
TEMP SN	650	AT DEPTH	TOS003 (bottom)													
COND SN	650	AT SURFACE	MAX. DEPTH = 53 m													
PAR		FLUOR	CHLAM	TRANSMISSOMETER		Cleaned air bleed valve										
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAL.		NUTR.	CHL.	WHITS NUTR.				
1	215050															
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

12/11/98

Seans changed 785/763

VESSEL		PROJECT & LEG		STATION DESIGNATION																							
Sir Wilfrid Laurier		LA98-02																									
CONSC CAST #	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DATE	JD=	TIME (GMT)	HR	MIN	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIR.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
01085652.72N	16403.35W	16	40	3.35	16	41	12	01	16	42	6.4	5.0	19	48	36	0	23	76	76	76	76	8,1					
CTD		TIMES		JD/TIME		DATA LOCATION																REMARKS					
TYPE & SN		SBE19 650		DATA ON		164112		Tape/Diskette ID																File Name/Header			
PRESS SN		146055		START DOWN				CTD008																			
TEMP SN		650		AT DEPTH				T05008																			
COND SN		650		AT SURFACE																							
		<input type="checkbox"/> PAR		<input type="checkbox"/> FLUOR		<input type="checkbox"/> CHLOR		<input type="checkbox"/> TRANSMISSOMETER		<input type="checkbox"/> Cleaned air bleed valve																	
POS.		TRIP		CTD CONVERTED MONITOR VALUES																		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
DEPTH				PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		WHIT'S					
1		165545		59.00		4.1213				31.8621		31.8632		31.8632		7											
2				59.00		4.1185				31.8586																	
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

12 min

drilled scans 837/790

CTD print to memory
of readings at 10m
(1988M-28, 1988S-2)
(1988B-28, 1988T-2)
MAX. DEPTH = 104m

[illegible]

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VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION															
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=2316		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DRN.	WIND SPD.	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID			
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	*	*	(m)			
01	05	63	16	14	36	14	W	03	00	CT	9	8	02	55	5.6	4.3	1648040227161789.1		
CTD		TIMES		JD/TIME		DATA LOCATION													
TYPE & SN		SBE19 650		DATA ON		02 41 40		Tape/Diskette ID		File Name/Header									
PRESS SN		146055		START DOWN						C12010									
TEMP SN		650		AT DEPTH						T05010									
COND SN		650		AT SURFACE						MAX. DEPTH = 63 m									
		<input type="checkbox"/> PAR		<input type="checkbox"/> FLUOR		<input type="checkbox"/> CHAM		<input type="checkbox"/> TRANSMISSOMETER		<input type="checkbox"/> Cleaned air bleed valve									
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																	
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL.		WHIT'S NUTR.	
1	02 54 33	63		4.0841				31.9915		31.9874		9							
2		105 63		4.0829				31.9867											
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

12 mbar

beard 850

873/850

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02				STATION DESIGNATION										
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD= 2316		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	*	*	*	*	(m)		
011	5630.36	N	16459.82	W	03 OCT 98	0446	5.6	4.3	1648040	22	761	82	10,1			
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS						
TYPE & SN	SBE19 650	DATA ON		04-29-05		Tape/Diskette ID				File Name/Header						
PRESS SN	146055	START DOWN								CTD 011						
TEMP SN	650	AT DEPTH								F05011						
COND SN	650	AT SURFACE								MAX. DEPTH = 72 m						
PAR		FLUOR		CHLAM		TRANSMISSOMETER		<input checked="" type="checkbox"/> Cleaned air bleed valve								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.						
1	044330	73	5.0789		32.2802	32.2322	10									
2																
3		73	5.0735		32.2335											
4																
5																
6																
7																
8																
9																
10																
11																
12																

12 m/min

seam deployed

11911179

PG 12 OF 48

MAX. DEPTH = 76 m

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 2316	TIME (GMT)	DRY BULB
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	WET BULB
0135616.35N	16546.63W	03 OCT 98	0826	5.6	4.3
CTD		TIMES	JD/TIME	DATA LOCATION	
TYPE & SN	SBE19 650	DATA ON	08136	Tape/Diskette ID	File Name/Header
PRESS SN	146055	START DOWN			
TEMP SN	650	AT DEPTH			
COND SN	650	AT SURFACE			
MAX. DEPTH = 82 m					
<input type="checkbox"/> PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHLOR <input type="checkbox"/> TRANSMISSOMETER <input type="checkbox"/> Cleaned air bleed valve		CTD CONVERTED MONITOR VALUES			
POS. TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SAMPLE BOTTLE DATA
1 1082815					SALINITY
2					SAL. NUTR. CHL. WHIT'S NUTR.
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

10 min

Stations skiped 823/806

(all data stopped measurement)

CONSC CAST	LATITUDE	LONGITUDE	DATE JD=236	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIR.	WIND SPD.	CLOUD (amt) TYPE	BOTTOM DEPTH	STA. NAME/ID
#	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb) * *	(deg)	(m/s)	* * *	* * *	(m)		
014	56 02.63 N	166 20.19 W	30 OCT 98	17 36	5.0	3.0	1057.34	0	30	882	1123	13,11		
CTD	TIMES	JD/TIME	DATA LOCATION											
TYPE & SN	SBE19 650	DATA ON	17-17-19 ²³	Tape/Diskette ID File Name/Header										
PRESS SN	146055	START DOWN		CTD 014										
TEMP SN	650	AT DEPTH		OIS 014										
COND SN	650	AT SURFACE		MAX. DEPTH = 112 m										
POS.	TRIP DEPTH	PAR	FLOOR	CHAM	TRANSMISSOMETER	<input checked="" type="checkbox"/> Cleaned air bleed valve								
CTD CONVERTED MONITOR VALUES														
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER							
1	102	4.6336		32.3302	32.3993		SAL.	NUTR.	CHL.	WHIT'S				
2														
3	102	4.6367		32.3932										
4														
5														
6														
7														
8														
9														
10														
11														
12														

1057/1059

[illegible]

1329	1314
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VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02				STATION DESIGNATION															
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=236		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
0165546.07 N	16710.14 W	03	0	0	0	23	33	5.6	4.0	105	8340	25	882			15.1					
DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m/s)	(m)								
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS											
TYPE & SN	SBE19 650	DATA ON		23 13 56		Tape/Diskette ID				File Name/Header											
PRESS SN	146055	START DOWN				CTD 016															
TEMP SN	650	AT DEPTH				TDS 016															
COND SN	650	AT SURFACE				MAX. DEPTH = 134 m															
PAR		FLUOR		CHLAM		TRANSMISSOMETER		<input checked="" type="checkbox"/> Cleaned air bleed valve													
CTD CONVERTED MONITOR VALUES																					
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL		WHIT'S NUTR.	
1	23.3250	128		4.0239				32.8376		32.8530											
2																					
3		128		3.9902				32.8600													
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Scanned by [illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Wilfrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 277	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
018	5532.67 N	16745.85 W	04 OCT 98	0258	5.6	4.0	0958	340	23	88	2-140	17,1			
CTD	TIMES	JD/TIME	DATA LOCATION			REMARKS									
TYPE & SN	SBE19 650	DATA ON	02:46:45			Tape/Diskette ID			File Name/Header						
PRESS SN	146055	START DOWN	02:51:26			CTD018			CTD018						
TEMP SN	650	AT DEPTH				I05018									
COND SN	650	AT SURFACE													
POS.	TRIP DEPTH	PAR	FLUOR	CHAM	TRANSMISSOMETER	<input checked="" type="checkbox"/> Cleaned air bleed valve			SAMPLE BOTTLE DATA			SAMPLE BOTTLE NUMBER			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.					
1	025940	127	4.1163		33.0926	33.0865									
2															
3															
4		127	4.1148		33.0889										
5															
6															
7															
8															
9															
10															
11															
12															

lots of sea urchins
in (lots of sea urchins)
 MAX. DEPTH = 127 m

[illegible]

[illegible]

[illegible]

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=2337	TIME (GMT)	DRY BULB
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	WET BULB
22 254 19.99 N	169 49.86 W	04 01 98	22 45	5.6	4.8
CTD	TIMES	JD/TIME	DATA LOCATION		
TYPE & SN	SBE19 650	DATA ON	Tape/Diskette ID		
PRESS SN	146055	START DOWN	File Name/Header		
TEMP SN	650	AT DEPTH	IOS022		
COND SN	650	AT SURFACE	MAX. DEPTH = 1613 m		
		<input type="checkbox"/> PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER	<input checked="" type="checkbox"/> Cleaned air bleed valve		
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES			
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY
1					SALINITY
2					SAL. NUTR. CHL. WHIT'S
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

NO SALINITY

SALINITY

w/o 1632

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION															
Sir Wilfrid Laurier		LA98-02																	
CONSC CAST #	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DATE	JD=	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0245347.05N				16915.44W			05 OCT 98	0931	6.4	4.6	3.14	7340	21	86	21515	23.1			
CTD		TIMES		JD/TIME		DATA LOCATION													
TYPE & SN		SBE19 650		DATA ON		08:25:20		Tape/Diskette ID		File Name/Header									
PRESS SN		146055		START DOWN		082312		I05024											
TEMP SN		650		AT DEPTH															
COND SN		650		AT SURFACE															
		<input type="checkbox"/> PAR		<input type="checkbox"/> FLUOR		<input type="checkbox"/> CHLOR		<input type="checkbox"/> TRANSMISSOMETER		<input checked="" type="checkbox"/> Cleaned air bleed valve									
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES																	
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		NUTR.		CHL		WHIT'S	
1		1005:34		205		3.9218				33.5294		33.5212		21					
2		090507																	
3		200 m.																	
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

MAX. DEPTH = 1434m

VESSEL		PROJECT & LEG		STATION DESIGNATION										
Sir Wilfrid Laurier		LA98-02												
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=278	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	* * *	* * *	(m)		
0255336.40N	16903.30W	05 OCT 98	1253	6.4	4.6	3.1	4.3	4.0	2.1	8.6	2.1	8.0	0.2	4.1
CTD	1030	TIMES	JD/TIME	DATA LOCATION										
TYPE & SN	SBE19 660	DATA ON	1142:02	Tape/Diskette ID File Name/Header										
PRESS SN	146055	START DOWN	1150	I05 025										
TEMP SN	650	AT DEPTH												
COND SN	650	AT SURFACE	0419:32											
		<input type="checkbox"/> PAR	<input type="checkbox"/> FLUOR	<input type="checkbox"/> CHIAM	<input type="checkbox"/> TRANSMISSOMETER	<input checked="" type="checkbox"/> Cleaned air bleed valve								
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												
		PRESSURE	PRI. TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE DATA			
1	1314:30	195	3.5014		33.4008	33.3859	22							
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

MAX. DEPTH = 1468 m

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Willrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=238	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
0265330.89	N 16853.56	W 0500198	1532	6.4	4.6	31.4	340	21	862	25.1					
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)						
CTD		TIMES	JD/TIME	DATA LOCATION											
TYPE & SN		SBE19 650	DATA ON	1415:32		Tape/Diskette ID		File Name/Header							
PRESS SN		146055	START DOWN	1420:20		105026									
TEMP SN		650	AT DEPTH												
COND SN		650	AT SURFACE												
		<input type="checkbox"/> PAR	<input type="checkbox"/> FLUOR	<input type="checkbox"/> CHLAM	<input type="checkbox"/> TRANSMISSOMETER	<input type="checkbox"/> Cleaned air bleed valve									
POS. TRIP DEPTH		CTD CONVERTED MONITOR VALUES													
		PRESSURE	PRI TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER
1	1601:15	188	3.4154		33.29168	33.303	23								
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 1452 m

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Wilfrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 2-3-8	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)		
0 2 8			W 0 5 0 C T 9 8												27.1
CTD	TIMES		JD/TIME	DATA LOCATION											
TYPE & SN	SBE19 650	DATA ON	*1907:32	Tape/Diskette ID File Name/Header											
PRESS SN	146055	START DOWN													
TEMP SN	650	AT DEPTH													
COND SN	650	AT SURFACE													
		PAR	FLUOR	CHLAM	TRANSMISSOMETER	<input checked="" type="checkbox"/> Cleaned air bleed valve									
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES													
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL. BOTTLE DATA	SAMPLE BOTTLE NUMBER							
1	1950.01						25	SAL.	NUTR.	CHL.	WHIT'S NUTR.				
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

NO DATA -
WIND & S WIND
SEA STATE
PRESS

REMARKS
SEA CAT TURNED
ON - THEN - OFF
① SHORT FILE IN AIR
* REGULAR FILE

MAX. DEPTH = m

VESSEL		PROJECT & LEG		STATION DESIGNATION										
Sir Wilfrid Laurier		LA98-02												
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 278	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	.	(deg)	(m/s)	.	.	(m)	
28	53	22	14 N	16	8	41	69	W	05	0	1	8	34	27
CTD	TIMES		JD/TIME	DATA LOCATION										
TYPE & SN	SBE19	650	DATA ON	Tape/Diskette ID		File Name/Header								
PRESS SN	146055	START DOWN		CTD028										
TEMP SN	650	AT DEPTH												
COND SN	650	AT SURFACE												
PAR		FLUOR		CHLAM		TRANSMISSOMETER		<input checked="" type="checkbox"/> Cleaned air bleed valve						
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES												
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL. DATA	SAMPLE BOTTLE NUMBER						
1	300m	295	4.0087		33.6239	33.6251	25							
2														
3		295	4.0095		33.6238									
4														
5														
6														
7														
8														
9														
10														
11														
12														

MAX. DEPTH = 334 m

MAX. DEPTH = 277 m

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION															
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD= 279		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	.	(deg)	(m/s)	.	.	.	(m)			
0305435.0	N 16607.0	W 06019.8	10	20	02	00	6.5	4.4	28.3	8.2	8.0	2.2	8.7	2.2			29.1		
CTD		TIMES		JD/TIME		DATA LOCATION													
TYPE & SN		SBE19 650		DATA ON		0934:36		105		Tape/Diskette ID								File Name/Header	
PRESS SN		146055		START DOWN		0934:40		PMEZ											
TEMP SN		650		AT DEPTH															
COND SN		650		AT SURFACE															
POS. TRIP DEPTH		(405)		PAR		FLUOR		CHLAM		<input checked="" type="checkbox"/> TRANSMISSOMETER		<input type="checkbox"/> Cleaned air bleed valve		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.			
1 1017:08		402		3.3430		33.8360		33.8316		27									
2		402		3.3441		33.8352													
3		402																	
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

VESSEL		PROJECT & LEG		STATION DESIGNATION												
Sir Wilfrid Laurier		LA98-02														
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 239	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
03/5428.2	N	16601.8	W060CT98	1200	7.4	6.7	234	6	60	19	862				30.1	
CTD	TIMES	JD/TIME	DATA LOCATION													
TYPE & SN	SBE19 650	DATA ON	Tape/Diskette ID File Name/Header													
PRESS SN	146055	START DOWN														
TEMP SN	650	AT DEPTH														
COND SN	650	AT SURFACE														
PAR		FLUOR	CHLOR	TRANSMISSOMETER												
CTD CONVERTED MONITOR VALUES		Cleaned air bleed valve														
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S	SAMPLE BOTTLE NUMBER					
1	1205.49	395	33.585		33.8218	33.8114	28									
2																
3		395	33.605		33.8206											
4																
5																
6																
7																
8																
9																
10																
11																
12																

MAX. DEPTH = 543 m

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Wilfrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 279	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID
0335420.28 N	16525.45 W	06010198	1543	7.14	6.7	234	6260	19	862	150	32.1				
CTD	TIMES	JD/TIME	DATA LOCATION												
TYPE & SN	SBE19 650	DATA ON	Tape/Diskette ID File Name/Header												
PRESS SN	146055	START DOWN													
TEMP SN	650	AT DEPTH													
COND SN	650	AT SURFACE													
PAR		FLUOR	CHAM	TRANSMISSOMETER											
CTD CONVERTED MONITOR VALUES		Cleaned air bleed valve													
POS.	TRIP DEPTH	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE NUMBER				
1	1543.50	137	6.2283		32.8634	32.8519	30								
2															
3		105	137		6.2944	32.8372									
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 144 m

CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 279			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	.	(deg)	(m/s)	.	.	.	(m)	
03454	27.5	N	165	16.8	26	0	OCT	98	1648	7.4	6.7	2346	260	19	866	2			165	331

CTD		TIMES		DATA LOCATION		REMARKS
TYPE & SN	SBE19 650	DATA ON	JD/TIME	Tape/Diskette ID	File Name/Header	
PRESS SN	146055	START DOWN				
TEMP SN	650	AT DEPTH				
COND SN	650	AT SURFACE				
			1630:02			MAX. DEPTH = 161 m
			1630:17			

[illegible]

[illegible]

CONSC CAST #	LATITUDE			LONGITUDE			DATE JD= 239			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID					
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(%)	(m)							
0365426.48	N	16	45	9.93	W	06	01	98	18	18	7.4	6.7	23.4	62	60	19	86	2	35.1						
CTD																									
TYPE & SN		SBE19 650		DATA ON		1811:20		TDS		DATA LOCATION											REMARKS				
PRESS SN		146055		START DOWN						Tape/Diskette ID											File Name/Header				
TEMP SN		650		AT DEPTH																	CTD036				
COND SN		650		AT SURFACE																	105036				
MAX. DEPTH =		47		m																					
PAR		FLUOR		CHLOR		TRANSMISSOMETER		Cleaned air bleed valve																	
CTD CONVERTED MONITOR VALUES																									
POS.	TRIP DEPTH	SAMPLE BOTTLE DATA																			SAMPLE BOTTLE NUMBER				
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S															
1	1819:54	12	8.2521		31.5354	31.5305	33																		
2																									
3		105	12		8.2532		31.5354																		
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

[illegible]

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD=279 DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)
					WET BULB (°C)
					PRESSURE (mb)
					SEA STATE
					VISIBILITY
					WIND DIRN. (deg)
					WIND SPD. (m/s)
					CLOUD (amt)
					WEATHER
					BOTTOM DEPTH (m)
					STA. NAME/ID
CTD	TIMES		JD/TIME		DATA LOCATION
TYPE & SN	SBE19 650	DATA ON		Tape/Diskette ID	
PRESS SN	146055	START DOWN		File Name/Header	
TEMP SN	650	AT DEPTH		CTD0038	
COND SN	650	AT SURFACE		105038	
PAR		FLUOR		CHAM	
TRANSMISSOMETER		Cleaned air bleed valve		MAX. DEPTH = 113 m	
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES			
	PRESSURE	PRL TEMP.	SEC TEMP	SALINITY	SALINITY
1	10m	8.3114		31.4884	
2					
3	10m	8.3134		31.4870	
4					
5					
6					
7					
8					
9					
10					
11					
12					
SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER			
SAL.		NUTR.		CHL.	
WHIT'S		NUTR.			

REMARKS

UN-04

TOS UNIMARK LINE

[illegible]

CONSC CAST #		LATITUDE			LONGITUDE			DATE JD= 239			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID									
DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)																	
04	54	03	26	N	16	41	03	W	06	0	CT	9	8	22	27	8.0	6.5	22	47	22	0	1	3	7	6	1	9	1	3	9	1
CTD		SBE19		650	DATA ON		TIMES		JD/TIME		DATA LOCATION											REMARKS									
PRESS SN		146055		START DOWN				Tape/Diskette ID		File Name/Header		UN-016											IOS UNIMARK LINE								
TEMP SN		650		AT DEPTH						CTD040																					
COND SN		650		AT SURFACE						105040																					
PAR		FLOR		CHAM		TRANSMISSOMETER		Cleared air bleed valve		MAX. DEPTH = 35 m																					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES																			SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER								
		PRESSURE	PPL TEMP.	SEC. TEMP	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.																					
1	32.00	69	69.941		32.4210																										
2																															
3		105	69		32.4166																										
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= 239 DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)
					WET BULB (°C)
					PRESSURE (mb)
					SEA STATE VISIBILITY
					WIND DIRN. (deg)
					WIND SPD. (m/s)
					CLOUD (amt)
					WEATHER
					BOTTOM DEPTH (m)
					STA. NAME/ID
CTD	TIMES		JD/TIME		DATA LOCATION
TYPE & SN	SBE19 650	DATA ON	231522		Tape/Diskette ID
PRESS SN	146055	START DOWN			File Name/Header
TEMP SN	650	AT DEPTH			CTD041
COND SN	650	AT SURFACE			105041
POG. TRIP DEPTH		PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER <input type="checkbox"/>		Cleared air bleed valve <input type="checkbox"/>	
CTD CONVERTED MONITOR VALUES					
	PRESSURE	PRL TEMP.	SEC. TEMP	SALINITY	SALINITY
1	232825	7.7224		32.0246	
2					
3	105	8.2036		31.7544	
4					
5					
6					
7					
8					
9					
10					
11					
12					
REMARKS		UN-03			
		105 (105041) PAR			
		(Cag)			
MAX. DEPTH = 58 m					

[illegible]

[illegible]

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD=280 DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)
					WET BULB (°C)
					PRESSURE
					SEA STATE
					VISIBILITY
					WIND DIRN. (deg)
					WIND SPD. (m/s)
					CLOUD (amt)
					WEATHER
					BOTTOM DEPTH (m)
					STA. NAME/ID
CTD		TIMES		DATA LOCATION	
TYPE & SN	SBE19 650	DATA ON	023128	Tape/Diskette ID	File Name/Header
PRESS SN	146055	START DOWN			
TEMP SN	650	AT DEPTH			
COND SN	650	AT SURFACE			
<input type="checkbox"/> PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER		<input type="checkbox"/> Cleaned air bleed valve			
CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA			
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY
1	405 032000	397	4.0231		33.9947
2					
3	105 397		4.0135		33.9966
4					
5					
6					
7					
8					
9					
10					
11					
12					
REMARKS		UN-10 March 2004 MAX. DEPTH = 612 m			
SAMPLE BOTTLE NUMBER		SAMPLE BOTTLE NUMBER			
SAL. NUTR. CHL. WHITS		SAL. NUTR. CHL. WHITS			

VESSEL Sir Wilfrid Laurier		PROJECT & LEG LA98-02		STATION DESIGNATION	
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	WET BULB
04 55 57.05 N	156 22.53 W	08 OCT 98	03 27	(°C)	PRESSURE
CTD	TIMES	JD/TIME	DATA LOCATION		
TYPE & SN	SBE19 650	DATA ON	Tape/Diskette ID	File Name/Header	REMARKS
PRESS SN	146055	START DOWN	CTD ~ 8 min. log		
TEMP SN	650	AT DEPTH	F-98-8 successfully		
COND SN	650	AT SURFACE	MAX. DEPTH = 204 m		
POS.	TRIP	PAR	FLUOR	CHLOR	TRANSMISSOMETER
DEPTH	CTD CONVERTED MONITOR VALUES				
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY
1					SAL. NUTR. CHL. WHITT'S
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Wilfrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=288	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)						
0465729.1	N 15447.8	W 08 OCT 98	1842	18.4	18.4	1050.46							45.1		
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN	SBE19 650	DATA ON	082127		Tape/Diskette ID		File Name/Header		CTD given to scientist						
PRESS SN	146055	START DOWN							2 E98-3						
TEMP SN	650	AT DEPTH													
COND SN	650	AT SURFACE													
MAX. DEPTH = 131 m															
<input type="checkbox"/> PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHLOR <input type="checkbox"/> TRANSMISSOMETER		<input checked="" type="checkbox"/> Cleaned air bleed valve													
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES													
		PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAL.	NUTR.	CHL.	WHIT'S	SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER
1	184200	44.5	149	5.3091	33.1436	33.1501	29								
2															
3		149	5.3096		33.1412										
4															
5															
6															
7															
8															
9															
10															
11															
12															

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Wilfrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=281	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	DEPTH (m)	BOTTOM DEPTH	STA. NAME/ID	
0475737.15N	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	(deg)	(m/s)				254	46.1	
CTD	TIMES		JD/TIME		DATA LOCATION										
TYPE & SN	SBE19 650	DATA ON	21:66:40		Tape/Diskette ID		File Name/Header								
PRESS SN	146055	START DOWN					CTD 047								
TEMP SN	650	AT DEPTH					TOS 047								
COND SN	650	AT SURFACE					MAX. DEPTH = 238 m								
POS.	TRIP DEPTH	PAR	FLUOR	CHLAM	TRANSMISSOMETER	Cleaned air bleed valve									
		CTD CONVERTED MONITOR VALUES													
	PRESSURE	PRI. TEMP.	SEC. TEMP.	SALINITY	SALINITY	SAMPLE BOTTLE DATA									
1						SAMPLE BOTTLE NUMBER									
2						no Salo Sample									
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

VESEL
Sir Wilfrid Laurier

PROJECT & LEG
LA98-02

STATION DESIGNATION

VESSEL		PROJECT & LEG		STATION DESIGNATION											
Sir Wilfrid Laurier		LA98-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=281	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIR.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)			(deg)	(m/s)			(m)	
0485741.33 N		15514.88 W	08 OCT 98	2329										304	4711
CTD	TIMES		JD/TIME		DATA LOCATION										
TYPE & SN	SBE19 650	DATA ON	23:04:41		Tape/Diskette ID		File Name/Header								
PRESS SN	146055	START DOWN					CTD 048								
TEMP SN	650	AT DEPTH					TSS 048								
COND SN	650	AT SURFACE					MAX. DEPTH = 285 m								
POS.	TRIP DEPTH	PAR	FLUOR	CHLOR	TRANSMISSOMETER	<input checked="" type="checkbox"/> Cleaned air bleed valve CTD CONVERTED MONITOR VALUES									
		PRESSURE		PRI. TEMP.	SEC. TEMP.	SALINITY		SALINITY		SALINITY		SAL.	NUTR.	CHL.	WHIT'S NUTR.
1	23:32:11	245 202		5.4892		33.4381		33.4334		33.4334		30			
2						33.4344									
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															