VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		12

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
018	58 00.23 N	146 59.37 W	21 FEB 22	16 52	.					4864	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, SI/POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	~~POC~~ HPLC 500 ml	FA	SI POM	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5												15,16	2175, 2150	5
6	5											5		10L	6
7	5										12A 12B			4325, 4125	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mix of Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
019	58	00.51	N	146	59.13	W	21	FEB	22	17	38	.					4872	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 1000 m

REMARKS: ARGO ID #
ARGO Deployed 12:36 pm local = 9:36 pm 21-FEB GMT
After Fishing Completed
~ 57 53.422
~ 146 47.566

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro Flow Cyt GFF Vol	~~>10 Large Vol~~	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	1000		3	49,62,	207									1
2	750			50									LEAKY NISKIN	2
3	600			51										3
4	450			52										4
5	300			53										5
6	200			54										6
7	150			55			1100							7
8	100			56			1100							8
9	75			57			1060							9
10	50			58			1060 / 1070	12						10
11	25			59			1060	13						11
12	5			60			1060	14						12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
020	57	00.10	N	146	59.67	W	22	FEB	22	04	06	.					4208	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, SI/POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	~~POC~~ HPLC 500 ml	FA	SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										°13A/13B			4325/4325	5
6	5											°6		9.4 L	6
7	5												17, 18	2175/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mix of Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
021	57	00.16	N	146	59.92	W	22	FEB	22	04	53	.					4195	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 500 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	Flow Cyt ~~>10 Large Vol~~	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500			63,64, 65										1
2	400			66									STILL LEAKY NISKIN	2
3	300			67										3
4	200			68										4
5	150			69			1100							5
6	100			70			1100							6
7	75			71			1060							7
8	50			72			1060	15						8
9	25			73			1060 / 1070	16						9
10	5		4	74	291		1060	17						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
02	56	00.08	N	146	59.97	W	22	FEB	22	17	06	.					4084	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, SI/POM

TUESDAY 02/22/2022 CAST 22 !
TWOSDAY

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	~~>10 dup vol~~	POC 500 ml	FA	SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										14A 14B			4325/4325	5
6	5											7		10L	6
7	5												M 20	2150/2175	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

HPLC FA POM/SI

Mix of Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
023	55	59.73	N	146	59.41	W	22	FEB	22	17	54	.					4086	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 500 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	FlowCyt >10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500			75,76,77	263									1
2	400			78									FIXED & NO LEAKS	2
3	300			79										3
4	200			80										4
5	150		5	81			1100 / 1070							5
6	100			82			1100							6
7	75			83			1060							7
8	50			84			1060	18						8
9	25			85			1060	19						9
10	5			86			1060	20						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG2		15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		(GMT) DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	24	54 59.96	N	144	59.44	W	23	FEB	22	04	14	.					4181	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS:

cDNA, HPLC, FA, SI/POM

HPLC FA POM/SI

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	~~>10 dup vol~~	POC 500 ml	FA	SI	mmer	Nis No.
1	100									cDNA					1
2	50									cDNA				Bottom Not properly closed Gushing Water	2
3	25									cDNA					3
4	5									cDNA					4
5	5										*15A 15B			4325/4325	5
6	5											*8		10L	6
7	5												21 22	2175/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	025	54.59.73	N	146	58.69	W	23	FEB	22	04	59	.					4184	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 1000 m

REMARKS:

FlowCyt

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	1000			87,88,89	319									1
2	750			90										2
3	600			91										3
4	450			92										4
5	300			93										5
6	200			94										6
7	150			95			1100							7
8	100			96			1100							8
9	75			97			1060							9
10	50			98			1060	21					Nuts Sampled OK? Noticed Tight Valve ON Chl-a Sample	10
11	25			99			1060 / 1070	22						11
12	5		6	100			1060	23						12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		16

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
02	65	4 00.03	N	147	00.14	W	23	FEB	22	17	04	.					4137	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS: eDNA, HPLC, FA, SI/POM

HPLC POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml	FA	SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										16A 16B			4325/4325	5
6	5											9		10L	6
7	5												23 24	2175/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskin's

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		116

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
027	54	00.42	N	147	00.30	W	23	FEB	22	17	53	.					4128	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 500 m

REMARKS:

Flow Cyt

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup Vol	>10 dup vol	POC 500 ml		mmer	Nis No.
1	500		7	101,102 103										1
2	400			104										2
3	300			105										3
4	200			106										4
5	150			107			1100						Chl-a Sample Leaked out of cup Maybe ~100 mL max	5
6	100			108			1100							6
7	75			109			1060							7
8	50			110			1060	24						8
9	25			111			1060	25						9
10	5			112	187		1060 / 1070	26						10
11														11
12														12
I		Inline												I

Cup Not Engaged properly

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S		17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
028	52	59.94	N	146	59.82	W	24	FEB	22	17	11	.					4239	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, POM/SI

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	HPLC POC 500 ml	FA	POM SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										17A 17B			2825/2625	5
6	5											10		10 3L	6
7	5												25 26	2175/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S		17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	29	52 59.98	N	146	59.46	W	24	FEB	22	17	52	.					4224	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 500 m

REMARKS:

Flow Cyt

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500			113, 114, 115	321									1
2	400			116										2
3	300			117										3
4	200			118										4
5	150			119			1100							5
6	100			120			1100							6
7	75			121			1060 / 1070							7
8	50			122			1060	27						8
9	25			123			1060	28						9
10	5		8	124			1060	29						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202 Leg 2	I Y S		18

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	30	51 59.93	N	146 59.71	W		25	FEB	22	07	34	.					4282	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS: eDNA, HPLC, FA, POM/SI

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	~~POC~~ HPLC 500 ml	FA	SI POM	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										18A 18B			4025/4025	5
6	5											11		10.5 L	6
7	5												27 28	2175/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		18

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	31	51 59.82	N	146 59.03	W		25	FEB	22	08	20	.					4300	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 1000 m

REMARKS: DOWNCAST GOOD
3 MODULO ERRORS ON UPCAST NEAR 400M

FlowCyt

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	1000			125	329								BOTTLE LEAKING BAD @ BOTTOM ORING AFTER opening VALVE!	1
2	750		9	126,127 128	342 331									2
3	600			129	335									3
4	450			130	340									4
5	300			131	300									5
6	200			132	303									6
7	150			133	336		1100							7
8	100			134	337		1100 / 1070							8
9	75			135	338		1060							9
10	50			136	304		1060	30					FLOWCYT IN FRIDGE w/6h	10
11	25			137	339		1060	31					" " "	11
12	5			138	348 / 102		1060	32					" " "	12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		19

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	03	25 00.18	N	151 30.13		W	26	FEB	22	09	21	.					4949	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS: CLEANED WATER OUT OF JUNCTION BOX PRIOR TO THIS CAST - LOOKS GOOD SO FAR

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml	HPLC FA	POM SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										19A 19B			4325/4325	5
6	5											12		10L	6
7	5												29 30	2175/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		19

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	33	50 00.21	N	151	30.17	W	26	FEB	22	10	06	.					4948	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** **MAX. DEPTH =** 1000 m

REMARKS: First Deep Cast after Re-claiming J-Box

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	1000		• 10	139,140 141	• 016									1
2	750			142										2
3	600			143										3
4	450			144										4
5	300			145										5
6	200			146										6
7	150			147			1100 / 1070							7
8	100			148			1100							8
9	75			149			1060							9
10	50			150			1060	33						10
11	25			151			1060	34						11
12	5		• 11	152	• 306		1060	35						12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S		20

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	034	4900.21	N	15130.25		W	26	FEB	22	18	51	.					4873	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC (HPLC) 500 ml	FA	SI (POM)	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										20A 20B			3525/3000	5
6	5											13		10L	6
7	5												31 32	2155/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskin

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		20

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
035	49	00.06	N	151	30.43	W	26	FEB	22	19	34	.					4876	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 500 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500		12	153,154 155	173									1
2	400			156										2
3	300			157										3
4	200			158										4
5	150			159			1100							5
6	100			160			1100							6
7	75			161			1060							7
8	50			162			1060	36						8
9	25			163			1060	37						9
10	5		13	164	176		1060/1060	38						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG2		21

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
03	64	00.07	N	151	30.09	W	27	FEB	22	04	25	.					5108	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 100 m

REMARKS:

HPLC FA POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	~~POC~~ 500 ml		SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										21A 21B			3325/3000	5
6	5											14		10L	6
7	5												33 34	2155/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		21

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
03	74	80 0.13	N	151	30.09	W	27	FEB	22	05	10	.					5112	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 500 m

REMARKS: Big Temp Change @ Surface since Last Cast ~ 7°C
Shrimp in Plankton low

Flow Cyt

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500		14	165,1666 1667	280								Some Leaks around Bottom	1
2	400		14	168										2
3	300			169										3
4	200			170										4
5	150			171			1100							5
6	100			172			1100							6
7	75			173			1060							7
8	50			174			1060	36					Flow Cyt in Fridge Nlab	8
9	25		15	175	325		1060 / 1070	37					" " "	9
10	5		15	176	325		1060	38					" " "	10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG2		22

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	03	8470	0.27 N	151	29.93	W	27	FEB	22	14	19	.					5083	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = m

REMARKS:

HPLC FA POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										22A 22B			3325/3000	5
6	5											15		10L	6
7	5												35 36	2155/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Nisk

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		22

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	39	47 00.58	N	151 29.31	W	27	FEB	22		15	11	.					5073	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: **SFC/Bottom Temp.** MAX. DEPTH = 1000m

REMARKS:

FlowCyt

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	1000			177,178 179										1
2	750		16	180	317									2
3	600			181										3
4	450			182										4
5	300			183										5
6	200		17	184										6
7	150			185			1100							7
8	100			186			1100						LOST ~150 mL Chl-a Sample Filter NOT SEATED	8
9	75			187			1060							9
10	50			188			1060 / 1070	39						10
11	25			189	376		1060	40						11
12	5			190			1060	41						12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		23

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	04	48 59.86	N	147	00.60	W	28	FEB	22	16	32	.					4442	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, POM/SI

HPLC FA POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										23A 23B			3325/3000	5
6	5											16		12L	6
7	5												37 38	2155/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		23

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
04	49	00.28	N	147	01.26	W	28	FEB	22	17	24	.					4653	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp.

MAX. DEPTH = 1000 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	1000		18	191 192 193	208								STRONG CURRENT → BOTTLE POPPED @992M	1
2	750			194										2
3	600			195										3
4	450			196										4
5	300			197										5
6	200			198										6
7	150			199			1100							7
8	100			200			1100							8
9	75			201			1060 / 1070							9
10	50			202			1060	42						10
11	25		19	203	341		1060	43						11
12	5			204			1060	44						12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		24

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
04	24	8 00.04	N	147 00.07	W		01	~~FEB~~ MAR	22	03	37	.					4685	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, POM/SI

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC (HPLC) 500 ml	FA	SI (POM)	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5														5
6	5										24A 24B			3325/3000	6
7	5											17		10L	7
8	5												39 40	2155/2150	8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		24

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
04	47	59.87	N	147	01.22	W	01	~~FEB~~ MAR	22	04	27	.					4686	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp.

MAX. DEPTH = 500 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500		20	205,206 207	069									1
2	400			208										2
3	300			209										3
4	200			210										4
5	150			211			1100							5
6	100			212			1100 / 1070							6
7	75			213			1060							7
8	50			214			1060	45						8
9	25			215	221		1060	46						9
10	5			216			1060	47						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S		25

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DAY	MO	YR	TIME (GMT) HR MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
044	47 00.87 N	147 00.23 W	01	~~FEB~~ MAR	22	1409	.					4914	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp.

MAX. DEPTH = 100 m

REMARKS:

cDNA, HPLC, FA, POM/SI

HPLC FA POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	~~POC~~ 500 ml		SI	mmer	Nis No.
1	100									cDNA					1
2	50									cDNA					2
3	25									cDNA					3
4	5									cDNA					4
5	5										25A 25B			3325/3000	5
6	5											18		10L	6
7	5												41 42	2155/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		25

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	45	4700.20	N	147	01.27	W	01	~~FEB~~ MAR	22	14	56	.					4914	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 500 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500			217,218 219	171 / 367									1
2	400			220	285									2
3	300			221	373									3
4	200			222	364									4
5	150			223	190		1100 / 1010							5
6	100			224	347		1100							6
7	75			225	351		1060							7
8	50			226	368		1060	48						8
9	25		21	227	320		1060	49						9
10	5			228	363 / 322		1060	50						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		26

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
046	45	59.96	N	146	59.96	W	02	~~FEB~~ MAR	22	01	15	.					4905	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 100 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	HPLC FA POM POC 500 ml		SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										26A 26B			3325/3000	5
6	5											19		10L	6
7	5												43 44	2155/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Neskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		26

CONSC CAST #	LATITUDE DEG MIN		LONGITUDE DEG MIN		DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	04745	59.88 N	14659	.78 W	02	~~FEB~~ MAR	22	01	57	.					4906	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500			229,230 231										1
2	400		022	232	318									2
3	300			233										3
4	200			234										4
5	150			235			1160							5
6	100			236			1160							6
7	75			237			1060							7
8	50			238			1060	51						8
9	25			239			1060	52						9
10	5			240			~~1060~~ 1070	53						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		27

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0.48	45	59.74	N	135	00.38	W	04	~~FEB~~ MAR	22	04	06	.					3943	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC (HPLC FA POM) 500 ml		SI	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										27A 27B			3325 / 3000	5
6	5											20		10L	6
7	5											45 46		2155 / 2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S LEG 2		27

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
0	49	45.59.29	N	135	00.99	W	04	~~FEB~~ MAR	22	04	51	.					3957	

	SBE 9+		FLUOR S/N
	PRESS SN		SBE43-Oxy (prime
	PRI TEMP SN		SBE43-Oxy (sec)
	SEC TEMP SN		Transmissometer
	PRI COND SN		PAR S/N
	SEC COND SN		O2 Tmp Senson N

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH - 500 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500			241 242 243										1
2	400			244										2
3	300			245										3
4	200			246										4
5	150			247			1100							5
6	100			248			1100							6
7	75			249			1060							7
8	50			250			1060	54						8
9	25		23	251	327		1060/1070	55						9
10	5			252			1060	56						10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202	I Y S Leg 2		28

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
050	45	00.00	N	135	00.09	W	04	~~FEB~~ MAR	22	17	17	.					4027	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 100 m

REMARKS:

eDNA, HPLC, FA, POM/SI

HPLC FA POM

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large/Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		SS	mmer	Nis No.
1	100									eDNA					1
2	50									eDNA					2
3	25									eDNA					3
4	5									eDNA					4
5	5										28A 28B			3325/3325	5
6	5											21		10L	6
7	5											47, 48		2155/2150	7
8	5														8
9															9
10															10
11															11
12															12
I		Inline													I

Mixed Niskins

VESSEL	CRUISE ID	PROJECT & LEG	CTD FileName:	STATION NO.
SHIMADA	SH2202 Leg 2	I Y S		28

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
051	44	59.73	N	135	00.59	W	04	~~FEB~~ MAR	22	18	08	.					4027	

SBE 9+		FLUOR S/N	
PRESS SN		SBE43-Oxy (prime	
PRI TEMP SN		SBE43-Oxy (sec)	
SEC TEMP SN		Transmissometer	
PRI COND SN		PAR S/N	
SEC COND SN		O2 Tmp Senson N	

WEATHER OBS: SFC/Bottom Temp. MAX. DEPTH = 500 m

REMARKS:

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL SALT	Nut.Btl	O2-Btl.No	DIC/Alk	Chloro GFF Vol	>10 Large Vol	GFF Dup	Vol >10 dup vol	POC 500 ml		mmer	Nis No.
1	500		24	253, 254, 255	233									1
2	400			256										2
3	300			257										3
4	200			258										4
5	150			259			1100							5
6	100			260			1100							6
7	75			261			1060							7
8	50			262			1060/1070	57						8
9	25			263			1060	58						9
10	5			264			1060	59						10
11														11
12														12
I		Inline												I