

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION																									
OSU R/V WECOMA		WE9705B																											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		S E A STATE		WIND DIRN. (deg)		WIND SPD. (m/s)		C L O U D TYPE		W E A TYPE		BOTTOM DEPTH (m)		STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	(mb)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
006543	58.8	N	158	35.1	W	19	MAY	97	05	58	4.1	4.3	22.5	7	19	02	11	28	0	6	7	1	2	8	0				
CTD		TIMES		JD/TIME		13		DATA LOCATION										REMARKS											
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header																							
SBE 9PLUS 09P6012-0256		50130																											
PRESS SN		31371		START DOWN																									
PRI TEMP SN		1041		AT DEPTH																									
SEC TEMP SN		31384		AT SURFACE																									
SEC COND SN		1030																MAX. DEPTH = m											
								TRANSMISSOMETER																					
								FLUOR																					
								PAR																					
								ChAM																					
								CTD CONVERTED MONITOR VALUES										SAMPLE BOTTLE DATA											
								SALINITY										SAL.											
								SEC. SAL.										NUTRTS.											
								PRI. SAL.										OTHER											
								SEC. TEMP																					
								PRI. TEMP.																					
								PRESSURE																					
								TRIP DEPTH																					
								1																					
								2																					
								3																					
								4																					
								5																					
								6																					
								7																					
								8																					
								9																					
								10																					
								11																					
								12																					

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION	
OSU R/V WECOMA		WE9705B			
CONSCAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WET BULB
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)
01353030	164010	164010	W21 MAY 97	0104	7.8
CTD		JD/TIME		DATA LOCATION	
TYPE & SN	DATA QN	Tape/Diskette ID		File Name/Header	
PRESS SN 50130					
PRI TEMP SN 31371	START DOWN				
PRI COND SN 1041	AT DEPTH				
SEC TEMP SN 31384	AT SURFACE				
SEC COND SN 1030					
CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA			
POS.	TRIP DEPTH	PRI. TEMP.	SEC. TEMP.	PRI. SAL.	SEC. SAL.
1	4850				
2	4850				
3	2000				
4	1000				
5					
6					
7					
8					
9					
10					
11					
12					

22 23 25 26 27 - 28 29 30 31 32 34

Values on other side

[illegible]

[illegible]

[illegible]

[illegible]

2. SEC-MOD
w/ 1

2014/2/2

1500

5/25/20

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION							
OSU R/V WECONA		WE9705B									
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	WET BULB (°C)	DRY BULB (°C)	WIND DIRN.	WIND SPD. (m/s)	W E A T H	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	WET BULB (°C)	DRY BULB (°C)	DIRN.	(m/s)	C L O U D S	(m)	
5143.9	1732.9	1732.9	24 MAY 97	0649	5.6	5.6	140	24	5	32.6	Φ
CTD		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS	
TYPE & SN		DATA ON								348Φ	
PRESS SN		50130									
PRI TEMP SN		31371									
PRI COND SN		1041									
SEC TEMP SN		31384									
SEC COND SN		1030									
TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SAL.		SEC. SAL.	
1	~3236										
2	~323Φ									28	
3	~1000									29	
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL		PROJECT & LEG		STATION DESIGNATION															
OSU RV WECOMA		WE9705B																	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	WIND TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN															
5315	138	06	N	173	23	01	00	W	19	4	M	AY	97	10	5	10	5		
CTD		TIMES		JD/TIME		DATA LOCATION													
TYPE & SN		SBE 9PLUS 09P6012-0256		DATA ON		Tape/Diskette ID		File Name/Header											
PRESS SN		50130																	
PRI TEMP SN		31371		START DOWN															
PRI COND SN		1041		AT DEPTH															
SEC TEMP SN		31384		AT SURFACE															
SEC COND SN		1030																	
								PAR		FLUOR		CHAM		TRANSMISSOMETER					
CTD CONVERTED MONITOR VALUES																			
TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SAL.		SEC. SAL.		SALINITY		SAL.		NUTRITS.		OTHER	
1	4200													30					
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

4220

VESSEL		PROJECT & LEG		STATION DESIGNATION																	
OSU RV WECOMA		WE9705B																			
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEAS STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	WEATHER (a) Y P E	BOTTOM DEPTH (m)	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY											MO	YR	HR	MIN		
0325	12	29	10	11	W	24	M	A	Y	97	15	36	44	44	0.14	47	11	32	45	31	032
REMARKS 4480																					
DATA LOCATION																					
TYPE & SN		Tape/Diskette ID		File Name/Header																	
SBE 9PLUS 09P6012-0256																					
PRESS SN 50130																					
PRI TEMP SN 31371																					
PRI COND SN 1041																					
SEC TEMP SN 31384																					
SEC COND SN 1030																					
		PAR		FLUOR		CHAM		TRANSMISSOMETER													
CTD CONVERTED MONITOR VALUES																					
TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SAL.		SEC. SAL.		SALINITY		SAL.		NUTRITS.		OTHER			
1	4520														31						
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

forward 600 m 021200

[illegible]

[illegible]

[illegible]

do bring up

1100-0011
Feldman

lights not
apparent
no error lights
@ 30 min -
lots of spirit
@
35 min -
lost not as
bad as @
45 min -
no error on
way up
CTO smacked
side of ship
during recovery.

VESSEL						PROJECT & LEG				STATION DESIGNATION																					
OSU R/V WECONA						WE9705B																									
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SALINITY	WIND DIRN.	WIND SPD.	CLOUDY	WEATHER	BOTTOM DEPTH	STA. NAME/ID										
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	PSA	(deg)	(m/s)	%		(m)											
038	50	55	.9	N	13	47	43	03	W	26	M	A	Y	97	14	H	42	05	6	05	0	0									
REMARKS 3980																															
TYPE & SN		DATA ON										Tape/Diskette ID										File Name/Header									
PRESS SN		50130																													
PRI TEMP SN		31371										START DOWN																			
PRI COND SN		1041										AT DEPTH																			
SEC TEMP SN		31384										AT SURFACE																			
SEC COND SN		1030																													
		<input type="checkbox"/> PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHAM <input type="checkbox"/>										TRANSMISSOMETER																			
CTD CONVERTED MONITOR VALUES																															
PQS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SAL.		SEC. SAL.		SALINITY		SAL.		NUTRS.		OTHER											
1		4200														104		895													
2		4000																1347													
3		3800																1359													
4		3600																1595													
5		3300																1818													
6		3000																643													
7		2600																644													
8		2200																651													
9		1800																926													
10		1400																1327													
11		1000																934													
12		500																936													

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG				STATION DESIGNATION												
OSU RV WECOMA		WE9705B																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	P R E S S U R E (mb)	S E A L L E V E L (m)	WIND DIRN. (deg)	WIND SPD. (m/s)	W E A T H (a m p i e r)	B O T T O M D E P T H (m)	S T A. N A M E /ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR										MIN
0475	13	02	N	17	46	18	W	27	13	27	03	73	05	04	875	425	047	
CTD																		
TYPE & SN		DATA LOCATION																
SBE 9PLUS 09P6012-0256		Tape/Diskette ID																
PRESS SN 50130		File Name/Header																
PRI TEMP SN 31371		CTD047																
PRI COND SN 1041																		
SEC TEMP SN 31384		MAX. DEPTH = m																
SEC COND SN 1030																		
		PAR		FLUOR		CHAM		TRANSMISSOMETER										
		SAMPLE BOTTLE DATA																
		SAMPLE BOTTLE NUMBER																
		CTD CONVERTED MONITOR VALUES																
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SAL.	SEC. SAL.	SALINITY	SAL.	NUTRTS.	OTHER								
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

CIV

[illegible]

VESSEL						PROJECT & LEG								STATION DESIGNATION													
OSU RV WECOMA						WE9705B																					
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRES SURF (mb)		SEA STATE		WIND DIRN. (deg)		WIND SPD. (m/s)		CL LOU DTT (a m P E R) Y T H		BOT TOM DPT H		STA. NAME/ ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN																	
0495128		04N		17940		27MAY		17		04		10		1015		3		290		12		865		1088		049	
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS															
TYPE & SN		SBE 9PLUS 09P6012-0256		DATA ON																							
PRESS SN		50130																									
PRI TEMP SN		31371		START DOWN																							
PRI COND SN		1041		AT DEPTH																							
SEC TEMP SN		31384		AT SURFACE																							
SEC COND SN		1030																									
						</																					

[illegible]

VESSEL										PROJECT & LEG										STATION DESIGNATION												
OSU R/V WECOMA										WE9705B																						
CONSC CAST #		LATITUDE			LONGITUDE			DATE JD=			TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		WIND DIRN.		WIND SPD.		CL OUD TYP E		W E A T H E R		BOTTOM DEPTH		STA. NAME/ID	
DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	BULB	BULB	(mb)	SEA	STATE	DIRN.	SPD.	CL OUD	TYP E	W E A T H E R	WIND DIRN.	WIND SPD.	CL OUD	TYP E	W E A T H E R	BOTTOM DEPTH	STA. NAME/ID					
05	25	14	21	00	N	17	09	44	10	6	27	MA	Y 97	22	54	44	31	90	7	3	8	3	6	0	8	6	1	1	0	9	3	
CTD										TIMES										DATA LOCATION												
TYPE & SN										Tape/Diskette ID										File Name/Header												
SBE 9PLUS 09P6012-0256										DATA ON																						
PRESS SN										50130																						
PRI TEMP SN										31371										START DOWN												
PRI COND SN										1041										AT DEPTH												
SEC TEMP SN										31384										AT SURFACE												
SEC COND SN										1030																						
TRIP DEPTH										2100																						
POS.										1										112												
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG				STATION DESIGNATION																																																																																																																																																											
OSU RV WECOMA		WE9705B																																																																																																																																																															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB (°C)	DRY BULB (°C)	P R E S S U R E (mb)	S E A L I T Y (‰)	WIND DIRN. (deg)	WIND SPD. (m/s)	C L O U D S (%)	W E A T H (TYPE)	B O T T O M D E P T H (m)	S T A. N A M E /ID																																																																																																																																															
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR											MIN																																																																																																																																														
0516	52	48	19	19	17	05	19	17	11	11	10	10	10	10	10	10	10	0516																																																																																																																																															
CTD																																																																																																																																																																	
TYPE & SN																																																																																																																																																																	
SBE 9PLUS 09P6012-0256 DATA ON																																																																																																																																																																	
PRESS SN 50130																																																																																																																																																																	
PRI TEMP SN 31371																																																																																																																																																																	
PRI COND SN 1041																																																																																																																																																																	
SEC TEMP SN 31384																																																																																																																																																																	
SEC COND SN 1030																																																																																																																																																																	
<div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> PAR <input type="checkbox"/> FLUOR <input type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER </div>																																																																																																																																																																	
DATA LOCATION																																																																																																																																																																	
Tape/Diskette ID																																																																																																																																																																	
File Name/Header																																																																																																																																																																	
CTD 0516																																																																																																																																																																	
MAX. DEPTH = m																																																																																																																																																																	
REMARKS 2630																																																																																																																																																																	
replaced lower parts of transmission CTD																																																																																																																																																																	
prior to this cast																																																																																																																																																																	
SAMPLE BOTTLE DATA																																																																																																																																																																	
SAMPLE BOTTLE NUMBER																																																																																																																																																																	
CTD CONVERTED MONITOR VALUES																																																																																																																																																																	
<table border="1"> <thead> <tr> <th>PGS.</th> <th>TRIP DEPTH</th> <th>PRESSURE</th> <th>PRI. TEMP.</th> <th>SEC. TEMP.</th> <th>PRI. SAL.</th> <th>SEC. SAL.</th> <th>SALINITY</th> <th>SAL.</th> <th>NUTRS.</th> <th>OTHER</th> </tr> </thead> <tbody> <tr><td>1</td><td>2300</td><td></td><td></td><td></td><td></td><td></td><td></td><td>115</td><td></td><td></td></tr> <tr><td>2</td><td>1000</td><td></td><td></td><td></td><td></td><td></td><td></td><td>114</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>																			PGS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SAL.	SEC. SAL.	SALINITY	SAL.	NUTRS.	OTHER	1	2300							115			2	1000							114			3											4											5											6											7											8											9											10											11											12										
PGS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SAL.	SEC. SAL.	SALINITY	SAL.	NUTRS.	OTHER																																																																																																																																																							
1	2300							115																																																																																																																																																									
2	1000							114																																																																																																																																																									
3																																																																																																																																																																	
4																																																																																																																																																																	
5																																																																																																																																																																	
6																																																																																																																																																																	
7																																																																																																																																																																	
8																																																																																																																																																																	
9																																																																																																																																																																	
10																																																																																																																																																																	
11																																																																																																																																																																	
12																																																																																																																																																																	

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION											
OSU R/V WECOMA		WE9705B													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN.	WIND SPD. (m/s)	WIND TYPE	CLIMATE	WATER	STATION NAME/ID	
0519	41.91.41N	177.58.19W	29 MAY 97	0358	6.7	6.7	15.3	2	33	10	8	4	36	05	
CTD		JD/TIME		DATA LOCATION		REMARKS									
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header									
SBE 9PLUS 09P6012-0256		50130													
PRESS SN		31371													
PRI TEMP SN		1041													
PRI COND SN		31384													
SEC TEMP SN		1030													
SEC COND SN		1030													
CTD		PAR		FLUOR		CHAM		TRANSMISSOMETER							
MAX. DEPTH =		m													
CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER											
PGS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SAL.	SEC. SAL.	SALINITY	SAL.	NUTRITS.	OTHER					
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

45 m/sec
then

CTD terminated
before this cast

- Still have spikes -
less spikes at 37 m/sec

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL		PROJECT & LEG		STATION DESIGNATION	
OSU RV WECOMA		WE9705B			
CONSC CAST #		LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
07	05	30	21	17	07
		DATE JD=		TIME (GMT)	
		DAY	MO	HR	MIN
		03	01	22	29
TYPE & SN		SBE 9PLUS 09P6012-0256		DATA ON	
PRESS SN		50130			
PRI TEMP SN		31371		START DOWN	
PRI COND SN		1041		AT DEPTH	
SEC TEMP SN		31384		AT SURFACE	
SEC COND SN		1030			
		PAR		FLUOR	
		CHIAM		TRANSMISSOMETER	
		Tape/Diskette ID		File Name/Header	
		MAX. DEPTH =		m	
		REMARKS		3544	
		DATA LOCATION			
		WIND DIRN.		(deg)	
		106		34	
		WIND SPD.		(m/s)	
		3		4	
		WET BULB		(°C)	
		5.6		5.6	
		DRY BULB		(°C)	
		5.6		5.6	
		PRESSURE		(mb)	
		99.5		99.5	
		SEA STATE		• •	
		5		5	
		WAVE HGT		(m)	
		2.3		2.3	
		WAVE DIR		(deg)	
		106		34	
		WAVE PER		(s)	
		8.6		8.6	
		WAVE L		(m)	
		3.7		3.7	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S		(m)	
		1.0		1.0	
		WAVE T		(m)	
		1.0		1.0	
		WAVE D		(m)	
		1.0		1.0	
		WAVE H		(m)	
		1.0		1.0	
		WAVE L		(m)	
		1.0		1.0	
		WAVE S			