

Nils HAENTJENS
Julia Vitz

2017

PEACETIME
IFCB
LOG BOOK

During CTD prod:

Station: type + id

Cast (increment from start)

Date & Time (UTC) of cast: Start and End

Day or Night ~~Depth~~ (Bottom, Max profile), Wind (Spd & Dir), Sea State (Ht)

Reference file

Bottle # Niskin # Intended depth IFCB bin #

Run time: 25 min with backflush & decontam

Date & Time | Bin id | Comments

Ref: PEACETIME - ST01 - CTD - 0043

Station: 1 - Short Lat: 41° 53.506 N

Cast: 001 - Prod Lon: 6° 20.002 E

Date: 12/05/2017 Time start: 4:35

Time end: 8:30

Depth: Bottom: ~~2690 m~~ 1580 m Wind Spd: 16 kn Sea State: 2-3 hft
 Max depth: 600 m Dir: 180° Daytime

	Bottle #	Niskin #	Intended Depth	IFCB bin
PMTB 0.65 Trg B 0.13	1	24	5	D20170512T105905
Fuchs - 800	2	22	10	D20170512T110632
Graph Trg on Trg B 0.12	3	20	20	D20170512T111541
	4	29	30 (BML)	D20170512T115244
PMTB 0.72	5	17	40 (DCM)	D20170512T122156
	6	16	50 DCM	D20170512T125126
	7	14	60 BDCM	D20170512T134343
	8	12	70	D20170512T141310
	9	10	80	D20170512T150022
	10	8	100	D20170512T160420

Comment:
 Electronic issue on two first casts stopping at 150 m
 Water samples were taken on third cast.

Ref: PEACETIME-ST02-CTD-007

Station: 2 - Sunk

Cast: 007 (first part of day)

Date: 13/05/2017

Lat 10° 30.366 N

Lon: 6° 43.795 E

Time start:

Time over:

Wind spd: 14 kts

dir: 105°

Sea state: 3/4

Sunrise

Depth bottom: 2834 m

max depth: 600 m

Trawl #	Nylon #	Included depth	IFCB bin (9923107)	Count
9	24	5	D20170513T 102816	
8	12	10	————— 090641	343
7	20	20	————— 083459	346
6	16	40	————— 080900	604
5	14	50 ADCM	————— 074304	1922
4	12	60 DCM	————— 071923	3788
3	10	70 BDCM	————— 064908	2524
2	8	80	D20170513T 062232	1775
1	6	150	D20170513T 055412	

2017/05/13

12:56

Start IFCB inline

unlocked backflush with sample

PMTB 0.70

bin: D20170513T 125607 - IFCB 107

2017/05/14

Stop IFCB inline

Run check

D20170514T 051751 - IFCB 107

Ref: PEACETIME STOB_CTD_009
 Station: 3 shot
 Cast: 9 Prod
 Date: 14/05/2017
 Depth bottom: 1405 m
 max depth: 60 m

Lat: 39° 07.996 N
 Lon: 7° 41.011 E
 Time start: 4:00
 Time end: 5:00
 Wind spd: 314°
 dir: 4
 Temperature surface: 18.3°C
 Sea state: 1/11
 Swimmer:

Shot #	Visor #	Intended depth	IFCB bin	counts
1	24	5	D20170514T1055935	736?
			062437	201
2	22	10	065052	193
3	20	20	074644	146
4	18	35	074359	171
5	16	50	081514	202
6	14	60	084108	462
7	12	70 (ASCN)	090914	709
8	10	80 (DCM)	095499	792
9	8	90 (BSCN)	104138	656
10	6	150	111446	121

Comments: Storm of waves / explosion / floating at the surface
 depth bottom is not reliable over of ~1000 m today

2017/05/14 9:00

11:51 Start inline

D20170514T115029_IFCB107

2017/05/15 5:15 Stop inline

5:15

D20170515T050058_IFCB102

one bad sample + azide + dose

Ref: PEAKETIME 506 - CTD - OM

Sta 4
Coastal station
Date 15/05/2017

Lat: 57° 59.995 N
Lon: 007° 58.610 E
Time start 4:00
Time end: 5:00

Depth bottom: 2791 m
max depth: 600 m

True Wind: 300°
10 kts

Sea state: 1.5 ft
Sunny

Salin #	Wiskin #	Interdial depth	IFCB bin	counts
1	24	5	D20170515T055810-IFCB107	347
2	22	10	062543	235
3	20	20	070019	227
4	18	30	072623	393
5	16	40	075336	355
6	14	50	082613	621
7	12	60 BDCM	090119	1713
8	10	70 DCM	092825	1698
9	8	80 BDCM	103522	814
10	6	150	110533	

2017/05/15 Start inline, uncheck backflurb with sample
11:43 D20170515T114340-IFCB107

2017/05/16 Stop inline
4:53 D20170516T042651-IFCB107
activate backflurb
cleaning

Ref PLACETIME ST05_CTD_OB
 Sta 5 short
 Cast 13
 Date 16/05/2017

Lat 38° 57.132 N
 Lon 011° 01.405 E
 Time start 4:00
 end: 4:27

Depth bottom 2365 m
 max depth 600m

Wind spd 14.9 kn Sea state 4 //
 dir 96° Direction
 Temp surf 18.5°

Depth #	Water In hold Depth	IFCB bin	Count
1	24	D20170516T051918 IFCB187	135
2	22	051923	238
3	20	061628	200
4	18	061358	
5	16	071113	333
6	14	073905	435
7	12	081018	677
8	10	084330	1813
9	8	091333	1830
10	6	100431	602

2017/05/16

Start inline:

~~D20170516T103402~~ IFCB187

4:34

Stop inline and run clearing:

Ends: D20170517T041000 - IFCB187

Ref: PEAKTIME TYR CTD M5

Sta: TYR (Long)

Lat 39° 20.403 N

Shot 15

Lon 12° 35.567 E

Date 17/05/2017

Time Start ~ 3:00

Over ~ 4:00

Depth below: 3336 m Wind spd: 9 km Sea state: 2 ft

max pftk: 500 m dir: 95°

Temp surf: 20.0°C

Sunrise: 5:52

Bottle#	Niskin#	Intended Depth	IFCB bin	counts
1	21	5	D20170517 T 043642 - IFCB107	219
2	22	10 MID	050132	333
3	20	20	052722	262
4	18	30	055233	377
5	16	40	061807	769
6	14	50	064422	1356
7	12	60 ADCM	071118	1854
8	10	70 DCM	073712	1677
9	8	80 DCM	080644	1155
10	6	100	083525	654

Comments:

201710510 Start inline

9:08

D20170517 T 090802 - IFCB107

2017105113 Stop inline

1:40

D20170518 T 042343 - IFCB107

clean running beads

Ref: PEACETIME TYR CTD 018

Sta: TYR

Lat: 33° 20.381 N

Cast: 18

Lon: 112° 35.363 E

Date: 18/05/2018

Time Start: 3:00

over: 3:50

Depth: 333 m

depth: 600

Wind spd: 2 kts

Sea state: 1.5 ft

Dir: 160°

light Sunrise

Surf Temp: 20.8°C

Ballot #	Station #	Interval depth	IFCB bin	Count
1	21	5	D20190518T 0442 01 - IFCB107	10
2	22	15	051810	118
3	20	30	082033 - IFCB107	362
4	18	45 45CM	090326	623
5	16	60	104533	1431
6	14	70	111353	1374
7	12	80 80CM	113937	849
8	10	90	122909	713
9	8	100	130735	408
10	6	120 120CM	134132	

Comments:

Sample 1: sampling tube was close to the top of the sample tube
↳ this might have caused the very low number of particles

3hrs between sample 2 & 3.

↳ many chairs out over yesterday in samples

Start inline →

D20190518T 142404 - IFCB107

Stop inline for experiment

2018/05/18

20:30

2017/05/17 Experiment ^{TYR} T-1 → D20170517T 144306 | before feeding minicams | full pan
 D20170518T 182346 | after feeding minicams | inline
 185305

2017/05/18 Experiment Minicam TYR

Reference	Time	IFCB Bin	#
Nik_NF_C2	T3	D20170518T 190001 - IFCB107	165
Nik_NF_D2	T3	D20170518T 195042 - IFCB107	60
Nik_NF_G2	T3	D20170518T 192533 - IFCB107	203
Nik_NF_CA	T3	D20170518T 200848 - IFCB107	133
Nik_NF_D1	T3	D20170518T 201637 - IFCB107	106
Nik_NF_G1	T3	D20170518T 204212 - IFCB107	98

T3 → +12h after seeding
 → taken at 20:00 on 2017/05/18

2017/05/18 Start inline
 D20170518T 213548 - IFCB107
 Stop inline
 D20170519T 041157 - IFCB107
 4 dead

Experiment description: 6 minicams (80L water tanks with controlled light & temp)

- C → controls
- D → dust added
- G → greenhouse (↓pH PT) + dust added

T-1 when fill tank
 T-0 just before dust added
 T1: 1h T4: 2h
 T2: 6h T5: 48h
 T3: 42h T6: 72h

Ref
 Sta TYR
 Cast 22
 Date 29/05/2017

TYR-CTD-02

Lat 39° 20.573 N

Lon 10° 35.562°

start: 3:00

over: 3:50

wind spd 10 km sea state: 2 left

dir: 163°

before sunrise

surf temp: 20.4

Depth bottom
 profile

Wll #	meter #	Extended depth	IFCB bin	#
1	24	5	D20190519T01M54 IFCB107	29
2	22	15	043618 050118	
3	20	30	052826	332
4	18	45	055128	153
5	18	60	061832	153
questionable	14	70	085354 & 106609	502 ²⁰
7	12	80	092723 & 095228	
8	10	90	101732	733
9	8	100	111114	71
10	6	120	113618	

Comments:

041154 -> bad run

043618 -> questionable

Also between 5 and 6

083516 -> BEADS

-> was started automatically

2017/05/19

Start inline

D20190519T0122 IFCB107

Stop inline

D20190520T035827 IFCB107 -> Beads

Proj PENKETIME TYR CID 25

Sta TYR (Day 1)

Cast 25

Date 2010/5/20/17

Lat 35° 20.368N

Lon 12° 35.574E

Start: 3:00

Over: 3:45

Depth bottom profile 600 m

Wind spd 18

Sea state 3 ft

dir 325

before sunrise

Surf Temp 22.2°C

haul #	Net #	Mesh #	Interval depth	IFCB bin	Time	IFCB #	#
1	21	5		X20170520T	041927	IFCB107	385
2	22	15			044429		295
3	20	30			073958		360
10	18	45			113553		1197
4	16	60	ADCM		081000		1003
5	14	70			083505		7629
6	12	80	DCM		090422		1158
7	10	90			094646		
8	8	100	BDCM		101157		463
9	6	120			105550		
					11055		

Comments

Changed 150 um mesh of discard sampling before today's sampling

2017/05/20 Start inline

@20170520T-20129-IFCB107

2017/05/20

Minicosm Experiment

T5

TYR

Reference Minicosms	IFCB Bin	Count
Ni/s - NF - C1	D20170520T 050333 - IFCB107	195
Ni/s - NF - C2	053437	159
Ni/s - NF - D1	055942	116
Ni/s - NF - D2	062446	113
Ni/s - NF - G1	064950	151
Ni/s - NF - G2	071454	157

2017/05/21

Skylark D20170521T 051132 - IFCB 107

→ 20 counts

↳ run leads + close

Minicosm Experiment

T6

TYR

Reference Minicosm	IFCB Bin	Count
NF - C1	D20170521T 071850 - IFCB107	138
NF - C2	071354	177
NF - D1	065346 060340	5 40
NF - D2	062842	114
NF - G1	070859	264
NF - G2	083302	156
G2	085807	474
FSW	092341	12
D2	094815	58

Run FSW after G2 (085807) to check contamination when switch sample to back flush is checked, FSW come from Inline

2017/05/21

Skylark D20170521T 103143 - IFCB107

20170521 *Stop inline:* D20170521T 132713 - IFCB107

Run sample from portable log: RES5 TYR TI RESPIRE

↳ D20170521T 135349 - IFCB107

↳ Fluorescence PMTB 0.70 on

↳ Scattering PMTA 0.60 on

↳ D20170521T 141854 - IFCB107

Stop inline: D20170521T 144540 - IFCB107

201705/22 *Stop inline:* ~~D20170522~~ 03407 - IFCB107

Ref. PERCEIVE-6 CPD-29

No. 6

Lat 38 48.463N

Last 29

Lon 16 29.379E

Date 2017/05/29

Depth profile 600 m
bottom 2161 m

Time start: 2:00

end: 8:45

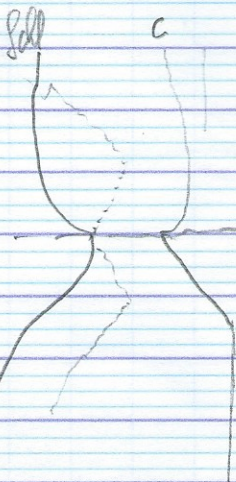
Wind spd: 9

Sea state 1/2

dir: 327

before sunrise

Roll #	North	West	Depth	IFCB dir	IFCB	C #
1	26	5		12070522 T 0723	IFCB107	317
2	22	10		043225		307
3	20	20		045923		300
4	18	30		052234		350
5	16	40		055101		
6	14	50		061626		646
7	12	60		065713		
8	10	70	adom	071623		1082
9	8	80	decm	080535		518
10	6	100	beden	083040		200



Comment:

6 -> DQR Error slow up half way through the run

Start in air in the morning

-> Rollings = 2 water mass
 & old level level adopted
 & new level level
 => change in roll = C

Ref PEACETIME SAV CTD-031
 Station SAV
 Cast 21

Lat 37° 50.042 N
 Lon: 079° 35.346 E

2019/05/23
 depth max 2929 m
 profile: 2500 m

Time start: 12:00
 over: 13:00
 Wind dir: 165°
 spd 5 km
 Surf temp 19.5°C

Sea State 10ft
 chcy (meas)

Bottle #	Wisking	Incl depth	IFCB bin	#
1	23	10	151723	
2	22	20	145218	381
3	20	40	142913	
4	19	50	135243	1355
5	17	60	132933	
6	16	70	130234	1210
7	15	80	113730	
8	14	100	20190523T121230-IFCB107	113

Comments:
 very calm sea, recover float

Stop inline: D20190523T113923-IFCB107
 Start inline: D20190523T154227-IFCB107

Ref PEACERIVE 5707-CFD-153
 Station 7 (short) Lat 36° 36.213N
 Cast 33 Lon 118° 09.938E
 Date 20170524 Time start 2:50
 over 3:40

Depth profile 670 m Wind spd 5 kn Sea 16kts
 bottom 3693 m dir 248° out of the window
 Temp surf 20.4°C

Shot #	Noskin #	Entered depth	JFCB Bin	#
1	26	5	075909	
2	22	15	073414	237
3	20	30	070800	346
4	18	40	063510	
5	16	50	061005	781
6	14	60	054501	1032
7	12	70 ADCM	051957	
8	10	80	045452	
9	8	90 BDCM	042948	
10	6	150 BDCM	D20170524 I 040447 JFCB107	3

Comments:

Stop inline D 201705 24 T 032314 - JFCB107
 ↳ run beads

Start inline D 201705 24 T 022613 - JFCB107

Stop inline D 201705 25 T 030623 - JFCB107
 ↳ run beads = 032941

Ref IREN ESTIME ION. CTD CBG

Sta ION

Last 36

Date 201705185

Depth 600
Water 3601

Lat 35° 23.310 N

Lon 119° 46.574 E

Time start 2:30

over 3:15

Wind spd 6 kn

Sea state 2

dir 230

Waves minor

Temp surf 20.0 °C

Stk#	Nick#	Intended depth	IFCB bin		#
1	24	5		074814	207
2	22	15		072310	
3	20	30		065805	286
4	16	50		061813	502
7	14	60		055315	
5	12	75		052810	1060
6	10	90	ADM	050306 & 021728 024223	1599
8	8	100	DCM	043802	
9	6	110	DCM	041257	1233
10	4	150		03010525T 03010525T - IFCB107 034756	6

Start caline: 201705185 T 090737 IFCB107

Stop caline: 20170525T 145236 IFCB107

↳ Minimum ION T-1

PLANKTIME - ION - CPD - 40

Sta ION

Lat: 35° 29.354 N

Cast 40

Lon: 119° 46.590 E

Date 26/05/2019

Time Start: 2130

Over: 2115

Depth profile: 600m
max: 3050m

Wind dir: 270°

Sea Hgt: 1.0M

spd: 7 km

at sunrise

Roll #	Wish #	Sample Depth	IFCB bin	#
1	84	5	101664	
2	82	15	095140	
3	80	30	092636	231
4	18	40	090431	
5	16	50	089627	233
6	14	60	088123	391
7	12	75	080949	1089
8	10	80-90M	013953	1366
9	8	100 XM	061343	1542
10	6	110 XM	D20170526T034847-IFCB107	11

spec/Kromb

comment: run minimum experiment between 6 and 7

Stop online D20170526T030641-IFCB107

↳ Run beads

Start online

2017/05/26 Minicosm Experiment TO ION

Reference Minicosm	IFCB Bin	#
Ni _{1/2} - NF - C1	D20170526 T 0529 02 - IFCB107	310
Ni _{1/2} - NF - C2	055406	338
Ni _{1/2} - NF - D1	061911	229
Ni _{1/2} - NF - D2	064415	213
Ni _{1/2} - NF - G1	070319	275
Ni _{1/2} - NF - G2	076618	264

2017/05/27 Minicosm Experiment T4 ION

Ni _{1/2} - NF - C1	D20170527 T 0604 12 - IFCB107	380
Ni _{1/2} - NF - C2	062315	322
Ni _{1/2} - NF - D1	065421	335
Ni _{1/2} - NF - D2	071325	335
Ni _{1/2} - NF - G1	076429	424
Ni _{1/2} - NF - G2	180536	453

2017/05/28 Minicosm Experiment T5 ION

Ni _{1/2} - NF - C1	D20170528 T 0530 18 - IFCB107	450
Ni _{1/2} - NF - C2	055632	312
Ni _{1/2} - NF - D1	062132	
Ni _{1/2} - NF - D2	064641	337
Ni _{1/2} - NF - G1	071403	763
Ni _{1/2} - NF - G2	073504	

2017/05/29 Minicosm Experiment T6 ION

Ni _{1/2} - NF - C1	D20170529 T 0556 45 - IFCB107	312
C2	062446	337
D1	064654	330
D2	071455	302
G1	073837	
G2	080342	423

PEACE TIME SON-CTD-046

Sta ION

Lat. 35° 29.343 N

Coast 44

Lon: 113° 46.590 E

Date 2017/05/27

Time start: 2:30

1 over: 3:13

Depth profile 600m
bottom 3550

Wind spd. 12 km
dir. 333°

Sea state: 4
light machine

Stn #	Depth #	Intended depth	SACB bin	#
1	24	5	094107	446
2	22	15	085942	946
3	20	30	083638	
4	16	60	053709	889
5	12	75	054213	
6	10	90 MCM	044708	
7	8	100 SCM	042204	
8	6	110 SCM	031708	

Stop value 8200705 27 031738 SACB107

Cf: PEACETIME - TON CTD - 048
 Sta TON
 Cast 046
 Date 28/05/2017

Lat 35° 29.343N
 Lon 13° 41.589E

Depth 3151m
 Profile 608m

Wind Dir 230°
 Spd 16 km

Sea state 5
 Slight swell

Roll #	No. Vials	Intended Depth	IFCB Bin	#
1	24	5	0502 1	3157
2	22	15	0504 02	212
3	20	30	0823 13	
4	14	60	0824 09	635
5	12	75	0505 13	
6	10	90	0643 12	1898
7	8	100	0124 37	
8	6	110	D20170528 T 034436 - IFCB 07	

Sp inline D20170528 T 030303 - IFCB 107

4x leads 0326 21

Start inline D20170528 T 100630 - IFCB 107

2017/05/29

Sediment tray on morning ION

RES6 - 110m D20170529T082932 - IFCB107
RES6 - 200m T085637

2017/05/30 Ref: P/ACET/ME - 08 - CD - 82

Sta 08

Lat 36° 12.522N

Lat 52

Lon 16° 37.858E

Date 2017/05/30

Time start 2:00

over 2:40

Depth profile 500m
station 3312m

Wind spd 5
dir 340°

Sea state 1
only night

Ball #	Master #	Initial Depth	SPCB bin	#
1	24	5	030707	215
2	22	15	064203	
3	20	30	061659	
4	18	40	055154	
5	16	50	052649	
6	16	60	045644	622
7	12	75	043106	
8	10	90	040602	100
9	8	100	034059	
10	6	110	D20170530T 031556 - IFCB107	6B

Ship intake:
Start intake:

D20170530T 021931 - IFCB107

Ship intake: D20170530T 182023 - IFCB107

20-05-2017 9:00 UTC Run PILS sample, Kanna Sellegi: D20170530T 181941 - IFCB107

Start intake: D20170530T 182821 - IFCB107

201210612 Ref: PEACETIME_09_CTD_38

Sta: 09

Cast: 53

Date 2017/06/2

Lat 38° 08.143 N

Lon 5° 43.933 E

Time start: 4:00

over: 4:45

Depth profile: 600m
Bottom: 2837m

Wind spd: 6
dir: 60°

Sea State 7 ~~off~~
large waves

Bottle #	Niskin #	Interval Depth	IFCB bin	CTD	
1	24	5		065436	
2	22	15		062932	118
3	20	30		060428	298
4	18	40		053923	
5	16	50		051419	381
6	14	60		044915	568
7	12	70		042411	
8	10	80		035906	7307
9	8	90	PCM	033402	830
10	6	100		030900	90

Comments:

Stop inline
Start inline

020170602 022431 IFCB107

020170602 021946 IFCB107

Stop inline

Run PEACETIME 02.06.17 16-20 CSS → Karine & Alessia
↳ Triggery PMT AQB 020170602T 191959 IFCB107
192641

Reset PMT 6B only start inline

Ref PEACETIME FAST CTD 57

Sta: FAST

Lat 39° 56.823 N

Coast 57

Lon 2° 54.915 E

Date: 2017/06/03

Time Start 4:15

Over: 5:30

Depth profile: 500m
to 100m: 2871

Wind spd 16 km
dir 92°

Sea State 4
rough

Bottle #	meter #	Interval Depth	1000 Bar	#
1	24	5	0935 29	16
2	22	16	1037 62	
3	20	30	0310 25	
4	18	40	0815 21	
5	16	50	0820 17	30
6	14	60	0735 13	63
7	12	70	0459 63	10
8	10	80	0134 39	
9	8	90	0403 34	1
10	6	100	1200000 0314 32	10000

Run Sample of microneed between 6 and 7

Comments

Ship name: 20170602 T 030058 - IFCS-02

Sta. name: 20170602 T 11 - IFCS-02

Minicom FAST T-1
 In line before: D20170603T182646-IFCB107
 In line after: D20170603T204638-IFCB107

2017/06/03	Minicom	FAST	T0	(2017/06/03 4:00 UTC)	
	Nils WF	C1	D20170603T052647	-IFCB107	186
		C2	051932		208
		D1	061456		213
		D2	061000		222
		G1	070504		213
		G2	073008		

FAST T4 (+24h)

	C1	D20170604T053918	-IFCB107	337
	C2	060622		286
	D1	062907		403
	D2	065631		573
	G1	071535		411
	G2	074139		352

FAST T5 (+48h)

	C1	060637		109
	C2	065623		301
	D1	072123		799
	D2	074632		957
	G1	081138		685
	G2	083641		

FAST T6 (+72h)

	C1	071811		339
	C2	074316		287
	D1	080820		1331
	D2	083324		1227
	G1	085939		1122
	G2	092333		511

Ref PENNACOME PASS - CRD 061

1/2 FMS

Coast CA

Date: 08/16/18

Lat 37° 56.831 N

Lon 2° 56.918 E

Time start 2:15

over 3:30

Depth profile: 500m
bottom 283 m

Wind spd 10 km
dir 110°

Seacat
WLL edge number

WLL #	depth #	intended depth	TPCB win	#
1	24	5	102648	
2	22	15	101557	
3	20	30	092656	
4	18	40	085952	
5	16	50	083649	
6	14	60	05244	152
7	12	70 BDCM	0463 103	2361
8	10	80 BDCM	0424 25	891
9	8	90 BDCM	02017004 T025228.800000	108
10	6	100	0800 43 1552	568

READ over before dive samples

Ref: PEACETIME - EAST - STD-065

Sta EAST

Lat 065

Date 2007/10/10

Lat 37° 56.802 N

Lon 2° 54.981 E

Time Start 2:55

on 3:30

Depth profile: 500m

Bottom 2775.00

Wind start 93k

dir 285°

Sea state 3

diff sunrise

Shot #	min in #	intended depth	ITFB bin	#
1	6	100	20170605T035913-ITFB07	19
2	8	50	042420	99
3	10	20	044924	
4	12	20	051429	
5	14	50	053533	
6	16	50	090445	
7	18	60	092649	329
8	20	30	095153	
9	22	15	101657	
10	24	5	104809	

Comment:

- Dust rain at between 00:00 and 01:00 am

READ run before duplicate samples

PENET TIME: FAST CID 094

Sta FAST

Lat 37° 56.73' N

Cast 76

Lon 2° 55.043' E

Date 2017/06/06

Time start 2:50

over 3:35

Depth profile 500 m

Wind dir 230°

Sea state 2 1/2 ft

Bottom 2770 m

Spd 10

Waves moderate

7

Bottle #	Water #	Water Depth	IFCB Bin	
	24	5	105812	
	20	15	101347	233
	19	30	034837	211
4	18	40	062802	333
5	17	50 AWM	065307	622
6	16	60	059816	1451
7	14	70	059510	1335
8	12	80	050006	1539
5	10	90	043501	146
10	8	100	DS0170806 T035926 TFC0107	32
		113 B/M		

Comments:

WPM is matched over 60 m (113m to 60m)
Dead over before discrete sample

Start inline 8/20170606 T112316 IFCB107

2017/06/06

19:20 UTC

PEACETIME - FAST CTD - 079

backlash
with ramp
was not checked

Niskin#	Intended depth	IFCB Bin
1	21.3	D20170606T193217 IFCB02
2	70.7	195535 201853

Robot info:

Ref: PEACETIME - FAST - CTD 081

Sh: FAST

Lat:

Cast: 81

Lon

Date: 2017/06/07

Time Start: 2:45 - 5:15

Sl#	Niskin#	Intended depth	IFCB bin	#
1	24	5	093714	
2	22	10	093210	
3	20	15	090706	183
4	18	40	084202	339
5	16	60	054631	357
6	14	70 <u>ADCM</u>	052127 102218, 104723	2839
7	12	80	045622	1950
8	10	90	043118	1122
9	8	100 <u>80cm</u> D20170606T040617 IFCB07		16
10	6	150		

Mimicon Experiment T7 (+36)

NF C1	D20170606T061136 IFCB102	130
NF C2	063640	145
NF D1	070144	122
NF D2	072648	119
NF G1	075153	126
NF G2	081657	132

Ref: PEACETIME - FAST - CTD - HP-DEEP - 83 70cm Niskin 18:

↳ 6 5 IFCB run D20170606T11322 IFCB07

↳ 20170607 cast at 11:00 UTC 113357

2017/06/07 15:13 Restart IFCB inline
 ↳ 20170607 15:36:01 IFCB107

stop inline 20170607 15:36:01 IFCB107
 Ref: PEARLINE STATION - 086

Sta 110 Lat 37° 27.310 N

Coast 086 Lon 1° 34.013 E

Date 2017/06/08 Time out = 5:15

ave 6:00 AC

Depth profile: 500m

Wind up 26 km

Sea 2/3 5 D

Water 00

dir 90°

light source

Ball #	Water	Depth	IFCB	#
1	24	5		
2	22	15	105708	
3	20	30	103206	
4	18	40	100714	726
5	16	50	090605	338
6	14	60	075655	2112
7	12	70	074445	85
8	10	80	053125	18441
9	8	90	050620	18206
10	6	100	20170608 044119	119213

bad - dark window
 foot found near
 good variable

Good

Comments:

2017/06/07 17:53:39
 2017/06/08 06:05:34

→ IFCB is not aligned anymore
 ↳ could be a DAO error
 which turn off the pump of that fluid
 → Restart IFCB Acquire
 → try pump 2 → not better

06:13:35 → IFCB → Adjust Camera position + Focus + Flood Lamp 20m
 ↳ still too low but better than before
 → Run samples and see how it evolves

D20170608 T 073655 - IFCB-102 → much better alignment

825 Turn Off Sheath pump ✓

2x Run sample 2 cone with 10% bleach ✓

2x Run sample 2x speed with 10% bleach

↳ D20170608 T 082666 - IFCB-102

D20170608 T 085010 - IFCB-102 abated

Turn On Sheath pump ✓

Run Debubble ✓

→ alignment is OK

Window is dusty → 3 particles trigger on it?

→ Try cleaning with Micro 90

2x Sample 2 Cone with pump 1 095653

↳ Sample 2 Cone No pump

Run Fast x 15 with pump - 2 pumps

↳ D20170608 T 095653 - IFCB-102

↳ bunch of crap was imaged → Window is clean :)

→ Run Fast x 15 with pump & with FSW

↳ D20170608 T 100037 - IFCB-102

D20170608 T 153256 - IFCB-102 Stop when

Missing REMS 7 110 M D20170608 T 163901 - IFCB-102

REMS 7 110 M T 174814 - IFCB-102

↳ Flow + BB (PMT A+B)

Ship online 20170608T031818 - IFCB107
 6 grad clear

Ref PROCESSION - FAST - STD 090

SMA FAST
 Cast 090
 Date 2017108/09
 Depth profile 2000
 section

Lat: 37° 56.813 N
 Lon: 2° 54.913 E
 Date Start: 2:15

Slp: 3:40
 Wind spd: 20 kts
 Dir: 70
 Sea state
 After sunrise

1/10 #	min/hr #	intended depth	IFCB bin
1	24	5	074729
2	20	15	072223
3	20	30	065719
4	18	40	063215
5	16	50	060711
6	14	60	054206
7	12	70	051702
8	10	80	049653
8	8	90	045157
10	6	100	20170608T060157 - IFCB107

Ship online 20170609T084232 - IFCB107