

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	9	07	SIO 082	N/S

Hour (UTC)	Minute	Latitude	Longitude
22	01	50° 24.838 °N	116° 40.280 °W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	1222	1000	7.7	266	2

EPOCH: 3 DAY: 8

Mesh size 150 µm IFCB sn 107 DCM: 40 & 60
 MLD: 35
 Zeu: 64

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.3	D20180908T005309		A+B	Clarity check
		014533		/	
		013756	1636	/	
19	95.5	D20180908T021750		A+B	/
		024016		/	
		030238		/	
17	45.8	D20180908T034611		A+B	/
		040835		/	
		043059		/	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	9	7	81	Koss

Hour (UTC)	Minute	Latitude	Longitude
14	00	50 25514 °N	-144.40331 °W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input checked="" type="checkbox"/> Night	4200	50	11	300	1

EPOCH: 3 DAY: 8

Mesh size 150 µm

IFCB sn 107

DCM: No DCM below MLD
 MLD: 32
 Zeu: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
17	9.7	D20180907T152919		A+B	1 flush 2 fast lse
		T155142		A+B	
		T161406		11	
12	31.9	T165820			1 flush + 2 fast lse
		T172044			
		T174308	1676		
4	42.6	T182124			1 flush + 2 fast lse
		T184348			
		T180611			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	9	06 07	089	NLS

Hour (UTC)	Minute	Latitude	Longitude
01	58	50.431334 °N	144.08955 °W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4221	1000	20	325	4

EPOCH: 3 DAY: 2

Mesh size 150 µm IFCB sn 107 DCM: ~40
 MLD: ~30
 Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.6	20180507 1041915		A1B	ASW Flush 2x 1 ML Sample
		044133			
		050403			
19	35.7	20180507 070118		A1B	/
		072342			
		074606			
21	20.62 30.2	20180907 053517		A1B	/
		057741			
		062005			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	9	6	78	Boss

Hour (UTC)	Minute	Latitude	Longitude
11 38	38	50° 28' 54" N	-144° 43' 28" W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day	4200	500	22	5°	3
<input type="checkbox"/> Night					

EPOCH: 3 DAY: 7

Mesh size 150 µm

IFCB sn 107

DCM: ~~20~~ 55

MLD: 20

Zeu: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
15	15.3	D2080906T125514		A+B	1 flush 2 line fast
		T131737		"	
		T134001		"	
4	58.3			"	1 flush 2 line fast
		T144037		"	
		T150300		"	
		T14813		"	
3	80.2			"	1 flush 2 line fast
		T155142		"	
		T161406		A+B	
		T163629		"	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	19	5	550076	N/S

Hour (UTC)	Minute	Latitude	Longitude
22	00	50° 29.2401	144° 43.0389

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	52	1000	24	351	7

EPOCH: 3 DAY: 6

Mesh size 150 µm

IFCB sn 107

DCM: 58
 MLD: 30
 Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
28	22.8	D20180905T234913		H+B	1 flush + 2 fast imp
		D20180906T001141			
		T003404	1170		<u>bubbles</u> <i>sure</i>
19	37.4	D20180906T010606	1237	F+B	in
		T012829	1167		
4		T015053			
17	53.1	T024008		F+B	in
		T030232	1258		
		T032955			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	19	5	1875	Boss

Hour (UTC)	Minute	Latitude	Longitude
17	04	50° 29 S	-144° 43 W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4200	500	24	350	6

EPOCH: 3 DAY: 6

Mesh size 150 µm IFCB sn 107 DCM: 55
 MLD: 30
 Zeu: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
24	10.4	D20180905T195505		A+B	switched trigger after 100 shots
		201729	880		
		203953			
23	40.5	T2111 43		A+B	flush + 2 lat
		T213407			
		T215636			
1	56.7	T222949		A+B	1 flush 2 lat + 1 foot
		T225213			
		T231436	110		

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	89	4	800 73	Ni/s

Hour (UTC)	Minute	Latitude	Longitude
22	00	50° 32.5348	164° 41.7356

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4262	1000	28	350	6

EPOCH: 3 DAY: 5

Mesh size 150 µm

IFCB sn 107

DCM: 50

MLD: 32

Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	9.6	D20180905T002851		A+B	1 flush + 2 ml
		T005115		u	
		T011339		A+B	
821	23.4	D20180905T014905	792	u	1 flush + 2 ml
		T021259			
		T023522	652		
817	50.7	D20180905T030734	1186	/	/
		032958			
		035222			

EXPORTS
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YYYY	MM	DD	Cast	Investigator
2018	19	03	380 070	N. B. Emmanuel

Hour (UTC)	Minute	Latitude	Longitude
22	00	56° 35.024	144° 41.6066

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4245	1000	7	293	2

EPOCH: 3 DAY: 4

Mesh size 150 µm IFCB sn 107 DCM: 50
 MLD: 32
 Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.17	D20180904T012319	1188	A+B	Flush ASW 2 x 1 mL Sample
		014543		/	
		020807	1300	/	
19	35.41	D20180904T024356		A+B	Flush ASW 2 x 1 mL Sample
		035302	1010	/	
		041525	1010	/	
		043749		/	
		032843		/	
16	65.57	D20180504T051135	891	A+B	
		053358	942		
		055622	881		

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YYYY	MM	DD	Cast	Investigator
2018	19	03	68	Boss

Hour (UTC)	Minute	Latitude	Longitude
14	00	50°35'840	144 43 009

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day	4203	500	14	25	2
<input type="checkbox"/> Night					

EPOCH: 3 DAY: 4

Mesh size 150 µm

IFCB sn 107

DCM: 35
 MLD: 32
 Zeu: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
15	3	D20180903T15011		A tp	1 flush 2 rapid
		152335		"	
		T160609 154559		"	1 flush +2 rapid
8	32	T164617 @ h		"	1 flush +2 rapid
		Net 35 m 165221 ← aborted 165221		"	
		T165638, 171902, T174125		"	
1	67	T181250		"	1 flush +2 rapid
		T183513		"	
		185737		h	

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	02	50065	N-6

Hour (UTC)	Minute	Latitude	Longitude
21	54	50° 34.6351	164° 44.9835

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4267	1000	11	228	2

EPOCH: 3 DAY: 3

Mesh size 150 µm

IFCB sn 107

DCM: ~~60~~ 45-70

MLD: 38

Ze: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.06	2201809021235913 021003407		A+B	Flush ASW 2x 1 mL ASW 2x 5 mL ASW
		2201809031002137 031010230	1244	/	
		2201809031012254		/	
17	50.81	2201809031015632		A+B	Flush ASW (airplane) 2x 1 mL Single Fast
		1021856		/	
		1024120		/	
15	64.79	1031419	1240	A+B	Flush ASW 2x 1 mL Single Fast
		1033642		/	
		1035906	1082	/	

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YYYY	MM	DD	Cast	Investigator
2018	89	2	64	Boss

Hour (UTC)	Minute	Latitude	Longitude
12	06	50 584062	-144.766876

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day	4200	500	7	310	3
<input type="checkbox"/> Night					

EPOCH: 3 DAY: 3

Mesh size 150 µm IFCB sn 107 DCM: None
 MLD: 30
 Zeu: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	5	D2080902 T134421		Ath	1 flush ASW + 2x1ml
		T140645		v	
		T142908		v	
11	35	T150317		v	1 flush ASW + 2ml
		T152540		v	
		T154804		v	
5	50	T162736		v	1 flush ASW + 2x1ml
		T165000		v	
		T171224		v	

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	19	02	800 063	Ni/s

Hour (UTC)	Minute	Latitude	Longitude
01	34	50° 34.8786' N	144° 46.8089' W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4255	1100	18	257	5

EPOCH: 3 DAY: 2

Mesh size 150 µm

IFCB sn 107

DCM: 50

MLD: 35

Zeu: 63 (from velocity)

CTD - IFCB Discrete Samples

	Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
in MLD	23	3.82	D20180802T 031134	1	A+B	Flush ASW 2x1 ml sample
			033358	1	✓	
			035622		✓	
under MLD	19	35.69	044247		A+B	Flush ASW 2x1 ml ASW 2x1 ml sample
			050510	1/73		
			052734			
DCM	17	50.60	060604		A+B	Flush ASW 2x1 ml sample
			062828			
			065051	NR18		

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	1	61	E Boss

Hour (UTC)	Minute	Latitude	Longitude
14	01	50.585694 <i>50.35166</i>	14949.979 <i>prob. w/ ELOB</i>

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input type="checkbox"/> Night	4200	500	20	240	4

EPOCH: 3 DAY: 2

Mesh size 150 µm

IFCB sn 107

DCM: 40-50

MLD: 30

Zeus: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
17	9	D20180901T153109] <i>153713</i>	A+B	<i>+2X fish</i>	<i>→</i>
		T154106	"		
		T160329 T162553	"		
12	34	D 20180901T170031	"	<i>1 fish + 2X fish</i>	<i>→</i>
		T172255	"		
		T174518	"		
4	50	T182031	"		
		T184254	"		
		T19058	"		

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R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	09	1	SP0059	Ni6

Hour (UTC)	Minute	Latitude	Longitude
01	00	50° 38.036' N	144° 08.628' E

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4265	1000	18.4	252.1	4

EPOCH: 3 DAY: 1

Mesh size 150 µm

IFCB sn 107

DCM: 50-65
 MLD: ~25
 Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.67	20180901 T 025400		A+B	Flush ASW 2x 1 ml sample
		T 031624		/	
		T 033807		/	
19	36.04	043637		A+B	Flush ASW 2x 1 ml ASW 2x 1 ml sample
		045700		/	
/		051924		/	
17	50.53	065017		A+B	Flush ASW 2x 1 ml sample 2x 1 ml post sample
		071261		/	Refilled sample tube with water
		073505	1719	/	

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	30	570 055	Nils

Hour (UTC)	Minute	Latitude	Longitude
23	00	50° 28.086 N	166° 46.309 W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4236	1000	16	302	4

EPOCH: 2 DAY: 8

Mesh size 150 µm

IFCB sn 107

DCM: 55

MLD: 24

Zeus:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	2.85	D201808301234241		B	Flush PSW 2x 1 mL Sample
		D201808311000505		/	
		T002728		/	
19	35.63	T 025617		B	Flush PSW 2x 5 mL PSW 2x 1 mL Sample
		T 031841		/	
		T 034904		/	
17	55.01	T 045254		A+B	
		051518			
		053741	1364		

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	30	54	E. Boss

Hour (UTC)	Minute	Latitude	Longitude
08	30	50°48'35.80	-144.792043

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day	4200	500	16	280	3
<input checked="" type="checkbox"/> Night					

EPOCH: 2 DAY: 8

Mesh size 150 µm IFCB sn 107 DCM:
 MLD:
 Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
17	12	D20180830T152258	877	Am	1+2
		T154522			
		T160745			
12	28	T164259		A+B	1+2
		T170523			
		T1727447		"	
4	50	T180442) Only 2 runs
		T182705		"	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	30	50052	N:ls

Hour (UTC)	Minute	Latitude	Longitude
00	57	50° 29.4313	144° 48.9251

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4244	1000	3.1	217	2

EPOCH: 2 DAY: 7

Mesh size 150 µm

IFCB sn 107

DCM: 50

MLD: 22

Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3-6	D20180830T031636	AB		Flush NSW 2x 1-L Sample
		033838	/		
		040123	/		
17	35.6	D20180830T043339	AB		/
		045623	/		
		051847	/	1812	
17	41.3	D20180830T055845	AB		/
		062409	/		
		064332	/		

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	29	51	E. Boss

Hour (UTC)	Minute	Latitude	Longitude
11	47	50° 48.6983	-144.815754

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input type="checkbox"/> Night	4200	500	12	329	2

EPOCH: 2 DAY: 7

Mesh size 150 µm

IFCB sn 107

DCM: 30 & 60
 MLD: ~30
 Zeu: 65

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
19	20	D20180829T125905	1359	A+B	1st fast +2 fast line
		T132129		A+B	
		T134352		"	
8	55	T143127		"	1st fast +2 fast line
		T145330		"	
		T151614		"	
2	80	T154733		"	1+2
		T160956		"	
		T163220		"	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	28	SD 049	N/B

Hour (UTC)	Minute	Latitude	Longitude
21	53	50 29.535 N	144 50.924 W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4493	1000	18	273	5

EPOCH: 2 DAY: 6

Mesh size 150 µm IFCB sn 107 DCM: 60
 MLD: 28
 Zeu: /

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	4.25	D20180829T005242		A+B	Hand Btl 2nd L Sample
	5	01506		/	
		013729		/	
17	528.0	021157		A+B	/
		023420		/	
		025644		/	
15	66.3	034429		A+B	/
		040653			
		042916			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	28	47	E Bass

Hour (UTC)	Minute	Latitude	Longitude
19	30	50° 47' 6106	-144.895906

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
Dawn <input type="checkbox"/> Day <input checked="" type="checkbox"/> Night	4200	500	20	280	3

EPOCH: 2 DAY: 6

Mesh size 150 µm

IFCB sn 107

DCM:

MLD:

Zeu:

24
 30 & 50
 68

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
17	12	20180828 T154626		A+B	1 flush 2 fast line
		160850			
		163114			
12	28	T170633		A+B	1 flush 2 fast line
		172857			
		175120			
4	50	183714			
		185937			
		192201			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	27	SIO 045	Ni/s

Hour (UTC)	Minute	Latitude	Longitude
21	54	50.476316	-144.897584

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4247	1000	9	235	2

EPOCH: 2 DAY: 5

Mesh size 150 µm

IFCB sn 107

DCM: 65

MLD: 32

Ze: 67

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	#ROI	Trigger	Comments
23	3.1	20180828T000500		B	Flush Sample to La ASW 2nd net Sample
		002723		B	
		004947	961	/	
17	50.8	011944		B	Flush ASW 2nd net Sample
		014202		/	
		020431		/	
15	63.3	024016		B	Flush ASW 2nd net Sample
		030239		/	
		032503		/	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	26	50042	N/B

Hour (UTC)	Minute	Latitude	Longitude
21	59	50 28.4873	144 38.7923

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4262	1000	12	279	3

EPOCH: 2 DAY: 4

Mesh size 150 µm

IFCB sn 107

DCM: 56
 MLD: 26
 Zeu: 69

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.65	D20180826T 234603		ABB	Flush 150 2nd mL Sample
		D20180827T 000827			
		003050			
19	36.6	011708		ABB	Flush 2nd mL Sample
		013934			
		020455	1809		
17	50.7	023357			
		025620			
		031844			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	26	20180826.140000 50 φ40	Boss

Hour (UTC)	Minute	Latitude	Longitude
14 00	00	50° 31' 22.5"	-145° 00' 39.7"

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input checked="" type="checkbox"/> Night <i>Dawn</i>	4200	500	17.5	275	2

EPOCH: 2 DAY: 4

Mesh size 150 μm IFCB sn 107 DCM: 30 φ 60
 MLD: 20
 Zeu: 68

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
15	3	20180826T153431			1/flush + 2 ml
		T155655			
		T161919			
5	32	T165716			1/flush + 2 ml
		T171940			
		T174203			
1	70	T181654			1/flush + 20 ml
		T183917			
		T184141			

EXPORTS

Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	25	SI0037	Nils

6 file name missing SI0036.hex

Hour (UTC)	Minute	Latitude	Longitude
21 22	05	50° 27.6489	115° 00.3167

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4264	1000	23	268	5

EPOCH: 2 DAY: 3

Mesh size 150 µm

IFCB sn 107

bottles on each side of the peak
 DCM: 60 *match big peak*
 MLD: 28 *5. 2. 10. 12. 14. 16. 18. 20. 22. 24. 26. 28. 30. 32. 34. 36. 38. 40. 42. 44. 46. 48. 50. 52. 54. 56. 58. 60. 62. 64. 66. 68. 70. 72. 74. 76. 78. 80. 82. 84. 86. 88. 90. 92. 94. 96. 98. 100.*
 Zeu: 69

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.9	D20180826T005533		ASB	Flush ASW 1mL x 2 52-µm
		011757			
		014020	819		
19	33.2	027435			Flush ASW 2x1mL sample
		024659			
		030922	B40		
15	65.05	034844			Flush ASW 2x1mL ASW
		041108			
		043331			

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	25	S10035	Nils

Hour (UTC)	Minute	Latitude	Longitude
2	55	50° 23.599N	145° 13.275 W

event 01:44

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4234	1000	17	247	4

EPOCH: 2 DAY: 2

Mesh size 150 µm

IFCB sn 107

DCM: 50

MLD: 35

Ze: 72

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.3	D20180825T032620	A+B		Sample Ran ^{anomaly} fish
/		032224			/
/		033829		~160	/
23	3.3	034535		805	Normal run time
19	35	D20180825T041958 053449	A+B		Flush Sample Tube in ASW 2x 1 mL Sample
		044222 055713			Ran 3x on ASW front
19	35	061936			
17	50.6	D20180825T065457			
		071721			

073944

D20180825T041958 | Ran on ASW (used 1/5 clean in between samples)
044222
050445

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	24	510/34	Boss

Hour (UTC)	Minute	Latitude	Longitude
13	01	50.474341	-145.11281

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input checked="" type="checkbox"/> Night	4270	SW	19	305	3

EPOCH: 2 DAY: 2

Mesh size 150 µm IFCB sn 107 DCM: 40
 MLD: 30
 Zeu: 68

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
4	42m	200 0824 T142554		A+B	
		T144817		A+B	
		T151041		A+B	
15	42-50m	T154228		A+B	
		T160451		A+B	
		T162715		A+B	
1	70m	T165803		"	
		T172027		"	
		T174251		"	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	23	SI00B1	NiB

Hour (UTC)	Minute	Latitude	Longitude
21	44	50 24.7370	145 09.4824

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4286	1000	19	240	4

EPOCH: 2 DAY: 1

Mesh size 150 µm

IFCB sn 107

DCM: ~65

MLD: ~30

Zeus: ~68

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.5	DD180823T 032229		A+B	
		034453			
		040716			
19	33.1	DD180823T 044252		A+B	
		050516			
		052740			
15	65.6	060546		A+B	
		062810			
		065033			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	22	510 27	N/S

Hour (UTC)	Minute	Latitude	Longitude
02	02	50° 23.0865 N	145° 08.5031 W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4282	1000	11	304	2

EPOCH: 1 DAY: 8

Mesh size 150 µm IFCB sn 107 DCM: ~~30~~ 50
 MLD: 30
 Zeu:

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.40	013355		A+B	Flush FSW 2x 1 mL sample
		D20180823T015619			
		021842			
19	36	031930			Flush FSW 2x 1 mL sample
		034154			
		040418			
15	65.9	050149			Flush FSW 2x 1 mL sample
		052913			
		054637			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	22	TM007	E. Boss

Hour (UTC)	Minute	Latitude	Longitude
14	3503	50° 388463	-145.141042

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input type="checkbox"/> Night		500			2

EPOCH: 1 DAY: 8

Mesh size 150 µm IFCB sn 107 DCM: 60
 MLD: 30
 Zeu: 70

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
15	3	D20180822 T153411		A+B	1 flush w/ FSW +2 fast 1ml
		T155639		"	
		T16858		"	
5	32	D20180822 T170015		A+B	1 flush w/ FSW +2 fast 1ml +2 fast 1ml (FSW samples)
		T172239			
		T174502			
1	70	T182358			flush FSW 2x 3ml sample
4	900	184622			
		190845			

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	22	510025	N. G.

Hour (UTC)	Minute	Latitude	Longitude
4	25	50°382745	-155°105258

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4291	1000	16	275	3

EPOCH: 1 DAY: 7

Mesh size 150 µm

IFCB sn 107

DCM: 30-60

MLD: 22-30

Zeu: X

CTD - IFCB Discrete Samples

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	3.45	D20080822T051749			
	3.45				0540-13
					060237
19	36.19				064933
					071157
1					073221
17	51.07				081234
					083457

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	20	SD0023	Nils

Hour (UTC)	Minute	Latitude	Longitude
22	06	50 21.984N	145 03.756W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4284	1000	21	166	6

CTD-Rosette reference file _____

Mesh size 150 μ m IFCB sn 107 DCM: 60-75 m
 MLD: 35
 Zeu:

CTD - IFCB Discrete Samples *E1D6*

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	10	D2080821T00024		A&B	Flush + 2 fast
		T002247		1c	
		T006544			
17	52	T012526		A&B	Flush + 2 fast
		T014799		/	
14		T021013		/	
15	66	024348		/	Flush + 2 fast
		030612		/	
		032835	760	/	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	20	SIO 21	E. Bus

Hour (UTC)	Minute	Latitude	Longitude
12	12	50°31'96.79"	-145°02'27.55"

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input type="checkbox"/> Night	4200				4

CTD-Rosette reference file RR

Mesh size 150 µm

IFCB sn 107

DCM:

MLD:

Zeu:

CTD - IFCB Discrete Samples

EIDG

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
15	4	D20180820T133703		A+B	pre flush + 2 rapid inl
		T135427		"	
		T142150		"	
5	34	T145211		"	pre flush + 2 rapid inl
		T151439		"	
		T153658		"	
1	74	T161952		"	pre flush + 2 fast inl
		T164216		"	
		T170439		"	

Below
ML

DCM

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	19	510 018	Nils

Hour (UTC)	Minute	Latitude	Longitude
22	06	50.323021	-144.991681

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4272	1000	20	152	6-7

CTD-Rosette reference file 510 018

Mesh size 150 µm

IFCB sn 107

DCM: 50-60

MLD: 30

Zeu: /

CTD - IFCB Discrete Samples

E1 D5
2x 1mL Sample before each sample

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	10	020180820 T 010352 IFCB107		ATB	
	/	012618		/	
	/	014841	1173	/	
19	37	022121		/	
	/	024345		/	
	/	030609	888	/	
17	54	034539		/	
	/	040803		/	
	/	043026		/	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	18	014	E. Boss

Hour (UTC)	Minute	Latitude	Longitude
13	08	50. 220990	-145. 091929

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input checked="" type="checkbox"/> Night		1000			4

CTD-Rosette reference file RR1813-S10014

Mesh size 150 µm IFCB sn 107 DCM: ~70
 MLD: ~20
 Zeu: 70 (c-ops)

CTD - IFCB Discrete Samples *E1 D4*

Bottle #	Depth	IFCB File	#ROI	Trigger	Comments
13	3	D20180818T143202		A#B	Flush +2 fast
		T145426		A#B	
		T151649		A#B	
4	32	T155202		A#B	T-flush +2 fast
		T161425		A#B	
		T 163648		"	
1	70	T171239		"	Flush x2
		T173302		"	
		T175726			

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	18	16	Niz

Hour (UTC)	Minute	Latitude	Longitude
23	00	50° 13.1864 W	145° 3.4863 W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4260	1000	25	160	0

CTD-Rosette reference file RR1813_S10 08 16

Mesh size 150 µm IFCB sn 107 DCM: 65
 MLD: 25
 Zeu: ?

CTD - IFCB Discrete Samples *EID*

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	42.6	20180818T002452_2FCB07 004716 010939	91397 1266	A+B	
19	36.7	021655 023922 030146		A+B	
15	66.5	033701 035924 042148	1021	/	

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	17	11	Nils

Hour (UTC)	Minute	Latitude	Longitude
23	10	50 11.983 N	145 2.471 W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4271	1000	14	184	4

CTD-Rosette reference file RR1813-510011

Mesh size 150 µm

IFCB sn 107

DCM: 55

MLD: 20

Zeu: 70

CTD - IFCB Discrete Samples

Epoch 1 Day 3

*Flush sample tubing FSW before running sample
+ 2x 1 and fast in sample*

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	5	020180818T060112		A+B	
1	1	JUJ2336 1004600	1614	A+B	
19	35	021135 023358		A+B	
		025622	021	A+B	
17	50	032973 035147	039	A+B	
		021410	037		

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	17	9	M. S.

Hour (UTC)	Minute	Latitude	Longitude
01	08	50 10.041	115 03.1203

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4269	1000	7	280	2

CTD-Rosette reference file RR1813_S10009

Event 20180817.0108.001
 Mesh size 150 μ m IFCB sn 107
 DCM: Homogeneous Deep C to 65m
 MLD: 23 m
 Zeu:

CTD - IFCB Discrete Samples Day 2 Epoch 1
 1x Fast FSW 2x Fast Sample 1ml *When changing sample*

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	5	D20180817T032160-TR 007 034602 040627	1110 942	A+B	
19	35	043828 050200 052323	989 979 888	A+B	
15	65	055841 062105 064323	1002		

EXPORTS

Cruise RR1813

R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	16	#1 C002	E Boss

Hour (UTC)	Minute	Latitude	Longitude
08 16	16	50.149563	-145.087030

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day <input checked="" type="checkbox"/> Night					2

CTD-Rosette reference file ^{Event} 2018 0816.0816.001

Mesh size 150 µm

IFCB sn 107

DCM:

MLD:

Ze: 72m (C-ops)

CTD - IFCB Discrete Samples

amT MC Cast
bag

Day 2 Epoch 1

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
4	8m	D20180816 T143157		A+B	pre flush
		D20180816 T145421		A+B	
2	32m	D20180816 T161215 ^{did only} _{run}		A+B	pre flush
		D20180816 T163349 ^{5ml}		B	
1	70m	4 T152139		A+B	pre flush
		1 T154403		B	
2	32	T165528		A+B	

Note: biomass seems constant w/ depth
but chl/cell increases to 70m.
worth studying!!!

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	16	6	N.13

Sample

Hour (UTC)	Minute	Latitude	Longitude
1	40	50 06.407 N	145. 04.242 W

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	4231	1000	40/16	170	32

CTD-Rosette reference file RR-1813-510006

Mesh size 150 µm

IFCB sn 107

DCM: 65 m

MLD: 20 m

Zeu: 72 m (C-ops)

CTD - IFCB Discrete Samples

Afternoon Cast Day 1 Epoch 1

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
23	5	220180816T024804 030823 033455 035718	227 626 1163	B A+B	
21	20				
19	35				
17	50				
15	65	045519 / 052418 045740 054642	1101	B A+B	
13	80				

MLD

*DCM
2 ex*

2x 1mL Fast run before each sample in sample

EXPORTS

Cruise RR1813

R/V Roger Revelle

IFCB Discrete Samples

E. Boss & N. Haëntjens

IFCB sn 107

Mesh size 150 µm

Group	Sample	Event #	Depth	Conc ^o	Trigger	Cleaning	IFCB File	# ROI	Comments
Jenkins	TMO21	20180901.1813	34	4L → 37mL	A+B		2018 0901 T 215406 - IFCB 107		written in field log Sept 2, 2018
Jenkins	TMO24	20180901.1859	9	4L → 50mL	A+B	FSW flush 2x 4mL sample	20180903T 220501 - IFCB 107	1540	
/	/	/	32	4L → 77mL	/	/	T225586		bubbles!
/	/	/	/	/	/	/	2018 0904 T004724	3849	
Françoise	S10072	Bille22	15	X	A+B	/	20180904 T220030		
/	/	/	/	X	/	/	T222253	1499	
Jenkins	LTI2 C1	9/4	44	4L → 50mL	A+B	/	2018 09 05 T042411	6922	pseudo nit
Jenkins - by Tom Jacobson	LTI2 Si2	9/4		1	B	/	053042 T045535	7091	pseudo
Jenkins - by Tom Jacobson	LTI2 Fe1	9/4		4L → 50mL	B	/	T045535	5679	pseudo - nitrite of formation Cerium + small dym
Jenkins - by Tom Jacobson	LTI2 C2	9/4		2L → 50mL	B	/	20180905 T060306	5515	pseudo
Jenkins - by Tom Jacobson	LTI2 Si2	9/4		1	B	/	063633	9153	pseudo nitrite
Jenkins - by Tom Jacobson	LTI2 Fe2	9/4		2L → 40mL	B	/	20180905 T070729	8747	pseudo & dym
Jenkins - by Tom Jacobson	LTI2 C3	9/4		2L → 47mL	B	/	20180905 T073858	3544	pseudo
Jenkins - by Tom Jacobson	LTI2 Si3	9/4		1	B	/	T081039	8255	pseudo
Jenkins - by Tom Jacobson	LTI2 Fe3	9/4		2L → 50mL	B	/	T084340	4248	pseudo + dym

EXPORTS
Cruise RR1813
R/V Roger Revelle

IFCB Discrete Samples

E. Boss & N. Haëntjens

IFCB sn 107
Mesh size 150 µm

Group	Sample	Event #	Depth	Conc ^o	Trigger	Cleaning	IFCB File	# ROI	Comments
Jenkins	TM017	20180828.1808.001	28	4L → 50 mL	B	Flush ASW 2nd ml Sample	D20180828T224804		
	Towlfish	20180829.1405.001	Surf	4L → 50 mL	B	Flush ASW 2nd ml Sample	D20180829T 234528		
					A+B		234058		
Jenkins	TM019	20180830.1855.001	12	1.2L →22 mL	B	Flush ASW 2nd ml Sample	D20180831T 010844		second set of 30 samples (3 banded the bottom)
			28	1.25L →22 mL		/	021740		
Marchetti	Fe GO T96 CH-A		Lab	No	A+B	Flush ASW 2 Ind Samples	D2018 0831T T162235		
							T164459		
"	Fe GO T96 Fe-A		Lab	No	A+B	"	T171658 T173922		
"	Fe GO T96 CH-B		/	/	/	"	T181237 * T185439		
"	Fe GO T96 Fe-B		"	"	"	"	T190539 192158		
Evelina	Incubation 8/17-9/14 + nutrients	75µm to 10µm incubated for 13 days	7		A+B	Flush ASW 2nd ml Sample	D20180901T 080647	2 ml	10.4 fgs
Jenkins	TM021	20180901.1813	9	3.25-0 60 mL	A+B	/	D20180901T 205632	651	
	/	/	34	4L → 37 mL	B	"	21 3-121		

EXPORTS

Cruise RR1813

R/V Roger Revelle

IFCB Discrete Samples

E. Boss & N. Haëntjens

IFCB sn 107

Mesh size 150 µm

Group	Sample	Event #	Depth	Conc ^o	Trigger	Cleaning	IFCB File	# ROI	Comments
B. Jenkins	LT1 C2	8/23 Long Term Incubation 1		2L → 50mL	B	2x 1ml Sample	D20180824T020255_SPS107		
	LT inc1 øSi 2	8/23 Long Term Incubation 1		2L → 47mL	B	2x 1ml Sample	T02 4656		
	C3	8/23 Long Term Incubation 1		2L → 50mL	B	Flush FSW 2x 1ml Sample	D20180824T0723M		25mL only
	øSi 3	/		2L → 46mL	B	Flush FSW 2x 1ml Sample	07 4527		found green hydrocarbon on mesh
	øFe 3	/		2L → 52mL	B	Rinse mesh with DI 2x 2.5ml DI 2x 1ml Sample	08 17 15		/
	Tow Fish LT12 TO	20180825-1325.001		4L → 50mL	B	Flush ASW 2x 1ml Sample	D20180825T232153		
	Tow Fish IT12 TO	20180825-1325.001		4L → 50mL	A+B		234943		
	TM03	20180826-2112.001	9	4L → 44mL	B	Flush ASW 2x 1ml Sample	D20180827T040956		
	/	/	32	4L → 45mL	B	/	D20180827T044551		
	Tow Fish	20180827-1219.001		4L → 45mL	B	"	D20180827T145146	676	← Fast
Marchetti	Fe: 60T ^u	u		"	"	"	T151605	3337	Regular Speed
Marchetti	Fe: 60T ^p	20180827-1058.001	15m	Not	"	Flush + 2 1ml samples	T154917, T161141 T163404		
B. Jenkins	TM 017	20180828-1403.001	12m	4L → 45mL	B	Flush 2x 1ml Sample	D20180828T221342		

EXPORTS
Cruise RR1813
R/V Roger Revelle

IFCB Discrete Samples

E. Boss & N. Haëntjens

IFCB sn 107
Mesh size 150 µm

Group	Sample	Event #	Depth	Conc ^o	Trigger	Cleaning	IFCB File	# ROI	Comments
Ervelina	20µm tow 20-100µm	20180822-2117 .001	Surface	no V 9µm	A+B		D20180822T223252		
					B		225819		
B. Jenkins	TM008	20180822-1915 -001	8	4L → 42ml	B		D20180822T233504		
					A+B		235821		
B. Jenkins	TM008	20180822-1915 -001	32	2.75L → 37ml	A+B		D20180823T002955	2563	
					B		005305	1838	
Ervelina	>5µm concentrated	20180823.0903 001	35	4L → → 100ml	A+B	2x1ml sample	D20180823T185722		
					B		185723		
B. Jenkins	LT1 C1	8/23 Long Term Incubation 1		2L → 39ml	A+B	2x1ml sample	D20180823T232621		56ps
	LT1 C1	8/23 Long Term Incubation 1		2L → 39ml	B		T234951		
	LT1 φ Si (1)	8/23		2L → 50ml	B	2x1ml sample	D20180823T002337		
	LT1 φ C1 φ C1	8/23		2L → 18ml	B	2x1ml sample	T005647		
	LT1 φ C1 φ C1			2L → 49ml	B	2x1ml sample	T012917		

EXPORTS
Cruise RR1813
R/V Roger Revelle

IFCB Discrete Samples

E. Boss & N. Haëntjens

IFCB sn 107
Mesh size 150 µm

Group	Sample	Event #	Depth	Conc ^o	Trigger	Cleaning	IFCB File	# ROI	Comments
B Jenkins	Tow Fish	20180819.1401	Surf	4L → 33 ml	A+B	Flush Sample	D20180815T144854	6088	
"	"	"	"	"	B		D20180815T151453	1953	
"	"	20180817.1301	"	4L → 30ml	A+B	Flush ST + 2 samples	D20180817T155252 D20180817T160646		
"	"	"	"	"	B		D20180817T162910	1755	
"	Tow Fish Round 3	20180817.1301 1301	"	4L → 22ml	A+B	Flush Sample + 1ml Fast	T190257	4347	
Jenkins	Tow Fish TMC 004	20180818.1833.001	8m	4L → 22ml	A+B	1x 1ml Fast	D20180818T230217	2968	Rem only 2.5ml no bubble
"	"	"	32	4L → 20ml	A+B	2x 1ml FSW 1x 1ml Sample	232215	104700	
"	"	"	"	"	B	X	234853	1803	
B Jenkins	TMC 005	20180820.1901.001	32 Surf	4L → 20ml	B A+B	2x 1ml FSW 1x 1ml Sample	D20180820T214721		
"	"	"	"	"	A+B		221118		
Jenkins	Tow Fish	20180821.1504	Surf	4L → Surf	A+B	1 Flush of FSW + 1ml of Surf	D20180821 T 17 0855		
"	"	"	"	"	B		T 173510		

} Loss
the
previously

} strength
sample

EXPORTS
Cruise RR1813
R/V Roger Revelle

YYYY	MM	DD	Cast	Investigator
2018	8	17		E. Boss

Hour (UTC)	Minute	Latitude	Longitude
14	14	50.0124	-144.98

	Depth (m)		Wind (knots)		Sea state
	Bottom	Max profile	Speed	Direction	(bft)
<input type="checkbox"/> Day					
<input type="checkbox"/> Night					

CTD-Rosette reference file _____

Mesh size 150 μ m

IFCB sn 107

DCM:

MLD:

Zeu:

CTD-- IFCB Discrete Samples

Event
 20180814
 1359

20180814
 1401

50.030275
 -145.014254

Bottle #	Depth	IFCB File	# ROI	Trigger	Comments
	Underway	D20180814T142352		A+B	Underway concentration >10 μ m
		D20180814T150919		B	
	Towfish	D20180814T144623		A+B	>10 μ m
		D20180814T153144		B	

→ sample from 20180814.1335.001

4L
 19ml

4L
 39ml