

W02-2016-20 FLOSTRAND

Solo RBR to 500m



Plankton Net Tow Log Sheet

Cruise #: Vessel: Page: 1
Project(s): 2016-20 Contact: FLOSTRAND
TSK Serial #: 2 used RBR serial #: 78800 "Solo"
Time offset = + hrs = UTC (please record local time for samples)

Date: AUG 4	Station: LC09	Time: 1000 PDT	LOCAL
Net Event # 01	CTD # N/A		
Latitude: 48 25.99' N	Longitude: 126 13.79' W		
deg min.dec	deg min.dec		
Wire out: 250m	Wire angle: 0-5°	Bottom Depth: 603m	
Net Type: Bongo	Tow Type: Vertical		
Flow start	Flow end	Flow = frozen ✓	
41502	54319	Non-flow = pickled ✓	
Notes: Linnea doubled 41502 - became the 40000 bottom dial so close to 50000 but 2nd digit was 10000 TSK meter 7292 (new) so read			

mini rosette
CTD wire
Cable broken
- respire needs
- Unable to
get water
sample or
CTD

Date: AUG 4	Station: LC09	Time: 1115 PDT	LOCAL
Net Event # 02	CTD # N/A		
Latitude: N	Longitude: W		
deg min.dec	deg min.dec		
Wire out: 250m	Wire angle:	Bottom Depth: 608m	
Net Type:	Tow Type:		
Flow start	Flow end	Flow = frozen N/A	
26282	38975	Non-flow = pickled N/A	
Notes: Repeated to compare meter readings - TSK meter 7131 (old from score) similar changes in meter readings			

CTD/mini
rosette
Cable still
not working
No
samples
kept

Date: AUG 4	Station: LB07	Time: 1830 PDT	LOCAL
Net Event # 3	CTD # N/A		
Latitude: 48 28.680 N	Longitude: 125 22.100 W		
deg min.dec	deg min.dec		
Wire out: 145m	Wire angle: 10-15°	Bottom Depth: 153m	
Net Type: Bongo	Tow Type: Vertical		
Flow start	Flow end	Flow = frozen ✓	
38975	31875	Non-flow = pickled ✓	
Notes: TSK meter 7131 used dubious meter readings - Have photo evidence			

Solo
RBR ✓

Date: AUG 5/2016	Station: LC03	Time: 1400 PDT	LOCAL
Net Event # 4	CTD # 01 Rosette		
Latitude: 48 46.97 N	Longitude: 125 34.35 W		
deg min.dec	deg min.dec		
Wire out: 125	Wire angle: 0-5	Bottom Depth: 135m	
Net Type: Vertical	Tow Type: Bongo		
Flow start	Flow end	Flow = frozen ✓	
31875	32230	Non-flow = pickled ✓	
Notes: Rise meter pins + needles w warm fresh water. pressed needles into flow meter pins (Moussa suggestion)			

(Log event
#5
after
Rosette)

meter readings
 $\Delta = 12817$

Repeat
w old TSK
flow meter
to compare
 Δ meter readings
meter
reading
 $\Delta = 12693$

Weird meter
readings
photos of
flow meter
readings
before +
after

Δ meter

TSK meter
7131

WER 2016-20

FLOSTEND

WCVI



Plankton Net Tow Log Sheet

Cruise #: 2016-20 Vessel:

Page: 2/2

Project(s): Flostend WCVI Contact:

TSK Serial #:

RBR serial #: 78800 (solo)

Time offset = +

hrs = UTC (please record local time for samples)

Date: AUG 6 / 2016 Station: LG07 Time: 1420 PDT LOCAL
 Net Event # 5 CTD # 02 rosette
 Latitude: 48 59.305 N Longitude: 127 6.975 W
 deg min.dec deg min.dec
 Wire out: 250m Wire angle: 0-10° Bottom Depth: 1607
 Net Type: Bongo Tow Type: Vertical
 Flow start Flow end Flow = frozen ✓
 32228 34511 Non-flow = pickled ✓

Notes:

TSK 7131 Flow meter.

Date: Aug 7, 2016 Station: LG02 Time: 1125 PDT LOCAL
 Net Event # 6 CTD # 3 (event 8)
 Latitude: 49 18.880 N Longitude: 126 37.967 W
 deg min.dec deg min.dec
 Wire out: 85m Wire angle: 15-20° Bottom Depth: 97m
 Net Type: Bongo Tow Type: Vertical
 Flow start 34512 Flow end 35502 Flow = frozen
 Non-flow = pickled

Notes:

TSK 7131 flow meter. wire angle up to 30° averaged ~15°-20°

Date: AUG 10 / 2016 Station: LBP7 Time: 1400h PDT LOCAL ✓
 Net Event # 7 CTD # 4 (event 10)
 Latitude: 49 52.354 N Longitude: 128 11.328 W
 deg min.dec deg min.dec
 Wire out: 250m Wire angle: 10-20° Bottom Depth: 2170m
 Net Type: Bongo Tow Type: Vertical Bongo
 Flow start N/A Flow end N/A Flow = frozen ✓
 Non-flow = pickled ✓

Notes:

Flow meter jammed, no Δ in reading

TSK 7292 (the new one)

Date: AUG 11 / 16 Station: LBP2 Time: 0800 PDT LOCAL
 Net Event # 8 CTD # 5 (event 12)
 Latitude: 50 4.008 N Longitude: 127 54.460 W
 deg min.dec deg min.dec
 Wire out: 85m Wire angle: 5-10° Bottom Depth: 90-105m
 Net Type: Bongo Tow Type: Vertical
 Flow start Flow end Flow = frozen ✓
 54323 55510 Non-flow = pickled ✓

Notes:

TSK 7292 (new meter deployed).

Last event, last bongo of survey

(Cruise event 7, 5th bongo)

(Cruise event 9)

Cruise event 11

TSK 7292

Last Bongo of Survey.

(5-10° Cable angle Asiat)

LG07 event 7

Δ =

LG02 event 9

Δ =

LBP7

changed back to new flowmeter

LBP2 Cruise event 13