

Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: JP Tully Page: 11

Project(s): LA PEROUSE Contact: Mona
TSK Serial #: 4798 RBR serial #: 79081
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 31/08/17	Station: HARO 59	Time: 1608	LOCAL
Net Event # 3	CTD # 2		
Latitude: 48 deg 36 93 min.dec	N Longitude: 123 deg 14 63 min.dec	W	
Wire out: 215m	Wire angle: 0	Bottom Depth: 221m	
Net Type: Becko	Tow Type: VNH		
Flow start 21289	Flow end 22555	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 1 Sept 2017	Station: E1	Time: 0514	LOCAL
Net Event # 13	CTD # 12		
Latitude: 48 31 76 deg min.dec	N Longitude: 125 03 05 deg min.dec	W	
Wire out: 100	Wire angle: 20	Bottom Depth: 114	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
22 555	23500	Non-flow = pickled	

Notes:

Date: 1 Sept 2017	Station: C1	Time: 0739	LOCAL
Net Event # 17	CTD # 16		
Latitude: 48 28 83 deg min.dec	N Longitude: 125 15 27 deg min.dec	W	
Wire out: 141	Wire angle: 10°	Bottom Depth: 157	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
23500	24 564	Non-flow = pickled	

Notes:

Date: 1/9/17	Station: C2	Time: 0851	LOCAL
Net Event # 19	CTD # 18		
Latitude: 48 26 21 deg min.dec	N Longitude: 125 09 26 deg min.dec	W	
Wire out: 149	Wire angle: 10	Bottom Depth: 159	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
24562	25638	Non-flow = pickled	

Notes: UVIC took 4 small krill (frozen side)



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Plankton Net Tow Log Sheet

Cruise #: 1709 Vessel: Tully Page: 2

Project(s): vepcr Contact: Maira

TSK Serial #: 4998 RBR serial #: 79081

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 1 Sep 2017	Station: C3	Time: 10:08	LOCAL
Net Event # 21	CTD # 20		
Latitude: 48 23 43	N	Longitude: 125 20 80	W
deg min.dec		deg min.dec	
Wire out: 112	Wire angle: 10	Bottom Depth: 122	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
25637	26437	Non-flow = pickled	

Notes: rem 1 sol--S3 from pickled.

Date: 1 Sep 2017	Station: LB07	Time: 1107	LOCAL
Net Event # 23	CTD # 22		
Latitude: 48 28 72	N	Longitude: 125 22 05	W
deg min.dec		deg min.dec	
Wire out: 148	Wire angle: 5	Bottom Depth: 156	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
26437	27391	Non-flow = pickled	

Notes: rem 1 sol--S3 from pickled

Date: 1 Sep 2017	Station: B8	Time: 1226	LOCAL
Net Event # 25	CTD # 24		
Latitude: 48 34 25	N	Longitude: 125 30 06	W
deg min.dec		deg min.dec	
Wire out: 127	Wire angle: 5	Bottom Depth: 137	
Net Type: B	Tow Type: VNH		
Flow start 27391	Flow end 28327	Flow = frozen	
		Non-flow = pickled	

Notes:

~~rem 1 sol--S3 from pickled~~

Date: 01-07-09	Station: B7	Time: 1325	LOCAL
Net Event # 27	CTD # 26		
Latitude: 48 31.98	N	Longitude: 125 35.27	W
deg min.dec		deg min.dec	
Wire out: 70	Wire angle: 10	Bottom Depth: 80	
Net Type: Boko	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28327	28900	Non-flow = pickled	

Notes:



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Cruise #: 2017-09 Vessel: Tully Page: 3

Project(s): La Perouse Contact: Moira

TSK Serial #: 4798 RBR serial #: 79081

Time offset = + hrs = UTC (please record local time for samples)

Date: 1 Sep 2017	Station: LB08	Time: 1456	LOCAL
Net Event # 29	CTD # 28		
Latitude: 48 25.34	N Longitude: 125 28.38	deg min.dec	W
Wire out: 130	Wire angle: 10	deg min.dec	Bottom Depth: 138
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end		Flow = frozen
29800	29835		Non-flow = pickled

Notes: Limacina picked

Date: 1 Sep 2017	Station: LB08	Time: 1511	LOCAL
Net Event # 30	CTD # 28		
Latitude: 48 25.32	N Longitude: 125 28.63	deg min.dec	W
Wire out: 130	Wire angle: 15	deg min.dec	Bottom Depth: 138
Net Type: Ring	Tow Type: VNH		
Flow start	Flow end		Flow = frozen
13978	14093		Non-flow = pickled

Notes: Evgeny net Tsk 7133

Date: 01-09-17	Station: LB11	Time: 1811	LOCAL
Net Event # 34	CTD # 33		
Latitude: 48 15.19	N Longitude: 125 47.77	deg min.dec	W
Wire out: 195	Wire angle: 8	deg min.dec	Bottom Depth: 204
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end		Flow = frozen
29835	31275		Non-flow = pickled

Notes:

Date: 2 Sep 2017	Station: LC12	Time: 924	LOCAL
Net Event # 43	CTD # 41		
Latitude: 48 14.96	N Longitude: 126 39.87	deg min.dec	W
Wire out: 250	Wire angle: 20	deg min.dec	Bottom Depth: 252.5
Net Type: B	Tow Type: VNH		
Flow start	Flow end		Flow = frozen
31275	33155		Non-flow = pickled

Notes:



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Cruise #: 2017-09 Vessel: Tully Page: 4

Project(s): La Perouse Contact: Nina

TSK Serial #: 4798 RBR serial #: 79081

Time offset = +7 hrs = UTC (please record local time for samples)

Date: 02 Sept 17	Station: A3/LC09	Time: 1511	LOCAL
Net Event # 47	CTD # 46		
Latitude: 48 25.91 N	Longitude: 126 13.63 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 608	
Net Type: Bong	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
33155	34934	Non-flow = pickled	

Notes: Limacina picked P-1RB

Date: 02 Sept 17	Station: A3/LC09	Time: 1530	LOCAL
Net Event # 48	CTD # 46		
Latitude: 48 25.91 N	Longitude: 126 13.659 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 5	Bottom Depth: 608	
Net Type: ring	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
14693	16118	Non-flow = pickled	

Notes: Wire Event TSK 7133

Date: 02 Sept 17	Station: A2	Time: 1659	LOCAL
Net Event # 50	CTD # 49		
Latitude: 48 22.68 N	Longitude: 126 3.86 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 347	
Net Type: Bong	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
34934	36681	Non-flow = pickled	

Notes:

Date: 02 Sept 17	Station: A1	Time: 1839	LOCAL
Net Event # 52	CTD # 51		
Latitude: 48 29.36 N	Longitude: 126 66.92 W		
deg min.dec	deg min.dec		
Wire out: 190	Wire angle: 0	Bottom Depth: 198	
Net Type: Bong	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
36681	37934	Non-flow = pickled	

Notes:

a few calanoid copepods + 1 Corallina picked from frozen side for Domoic Acid analyses



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Cruise #: 2017-09 Vessel: Spruce Page: 5

Project(s): LAPERROUSE Contact: MORRIS

TSK Serial #: 4798 RBR serial #: 79081

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 02-09-17	Station: B6	Time: 2057	LOCAL
Net Event # 56	CTD # 55		
Latitude: 48 36.49 N	Longitude: 125 53.94 W		
deg min dec	deg min dec		
Wire out: 83	Wire angle: 25	Bottom Depth: 93	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
37934	38525	Non-flow = pickled	

Notes:

GUELLY DMS

Date: 02-09-17	Station: B5	Time: 2154	LOCAL
Net Event # 58	CTD # 57		
Latitude: 48 40.07 N	Longitude: 125 47.24 W		
deg min dec	deg min dec		
Wire out: 55	Wire angle: 0	Bottom Depth: 65	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
38525	38890	Non-flow = pickled	

Notes:

UVIC took 5 small krill

Date: 02-09-17	Station: LC04	Time: 2317	LOCAL
Net Event # 60	CTD # 59		
Latitude: 48 53.59 N	Longitude: 125 40.62 W		
deg min dec	deg min dec		
Wire out: 156	Wire angle: 5	Bottom Depth: 166	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
38890	39990	Non-flow = pickled	

Notes:

Date: 02-09-17	Station: LC04	Time: 2330	LOCAL
Net Event # 61	CTD # 59		
Latitude: 48 43.59 N	Longitude: 125 40.62 W		
deg min dec	deg min dec		
Wire out: 156	Wire angle: 35	Bottom Depth: 166	
Net Type: Ring	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
16118	17090	Non-flow = pickled	

Notes:

EUGENY TSK 7133



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Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: Tullu Page: 6

Project(s): La Perouse Contact: Meira

TSK Serial #: 4398 RBR serial #: 79081

Time offset = + hrs = UTC (please record local time for samples)

Date:	3/9/17	Station:	L002	Time:	04:10	LOCAL
Net Event #	67	CTD #	66			
Latitude:	48	58.44 N	Longitude:	125	46.96 W	
	deg	min.dec		deg	min.dec	
Wire out:	37	Wire angle:	0	Bottom Depth:	42	
Net Type:	Bongo	Tow Type:	VNH			
Flow start		Flow end		Flow = frozen		
	40057		40362	Non-flow = pickled		

Notes: debris

Date:	3/9/17	Station:	L004	Time:	05:41	LOCAL
Net Event #	70	CTD #	69			
Latitude:	48	53.32 N	Longitude:	125	56.88 W	
	deg	min.dec		deg	min.dec	
Wire out:	50	Wire angle:	30	Bottom Depth:	60	
Net Type:	Bongo	Tow Type:	VNH			
Flow start		Flow end		Flow = frozen		
	40360		41800	Non-flow = pickled		

Notes: debris

Date:	3 Sept 2017	Station:	L009	Time:	1142	LOCAL
Net Event #	76	CTD #	75			
Latitude:	48	35.64 N	Longitude:	126	30.04 W	
	deg	min.dec		deg	min.dec	
Wire out:	250	Wire angle:	0	Bottom Depth:	1046	
Net Type:	B	Tow Type:	VNH			
Flow start		Flow end		Flow = frozen		
	40800		42349	Non-flow = pickled		

Notes: REMOVE CILI FOR MATS EXPORT
PYRAT FOR LIPIDS/SOTOPES

Date:	03.09.17	Station:	L011	Time:	1627	LOCAL
Net Event #	79	CTD #	78			
Latitude:	48	28.088 N	Longitude:	126	42.656 W	
	deg	min.dec		deg	min.dec	
Wire out:	1200	Wire angle:	5	Bottom Depth:	1537	
Net Type:	Bongo	Tow Type:	VNH			
Flow start		Flow end		Flow = frozen		
	42458		50415	Non-flow = pickled		

Notes:



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Cruise #: 2017-09 Vessel: Tully Page: 7
Project(s): Capersouse Contact: Moira
TSK Serial #: 4798 RBR serial #: 79081
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 03.09.17	Station: LD11	Time: 1707	LOCAL
Net Event # 80	CTD # 79		
Latitude: 48 28.800 N	Longitude: 126 42.926 W		
Wire out: 250	Wire angle: 0	Bottom Depth: 1578	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
50415	52160	Non-flow = pickled	
Notes: pyrosomes			

Date: 04.09.17	Station: L609	Time: 1835	LOCAL
Net Event # 81	CTD # 82		
Latitude: 48 51.29 N	Longitude: 127 19.60 W		
Wire out: 250	Wire angle: 5	Bottom Depth: 2044	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
52161	54020	Non-flow = pickled	
Notes: remnant pyrat, 1591-53 pickled side			

Date: 04-09-17	Station: L609	Time: 0101	LOCAL
Net Event # 84	CTD # 82		
Latitude: 48 51.24 N	Longitude: 127 19.60 W		
Wire out: 250	Wire angle: 15	Bottom Depth: 2037	
Net Type: Ring	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
17089	18597	Non-flow = pickled	
Notes: Eugene TSK 7133 + RBR 110			

Date: 4 Sept 2017	Station: L607	Time: 0503	LOCAL
Net Event # 87	CTD # 86		
Latitude: 48 59.42 N	Longitude: 127 07.40 W		
Wire out: 250	Wire angle: 5	Bottom Depth: 1744	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
54010	55780	Non-flow = pickled	
Notes: first 1 pyrat from first side separately			



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Cruise #: 2017-09 Vessel:

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Project(s): caprose

Contact: m. d. r. a

TSK Serial #: 4798

RBR serial #: 81

Time offset = +

hrs = UTC (please record local time for samples)

Date: 4 Sept 2017	Station: L604	Time: 0848	LOCAL
Net Event # 91	CTD # 90		
Latitude: 49° 11' 44" N	Longitude: 126° 49' 24" W		
deg min dec	deg min dec		
Wire out: 133	Wire angle: 15	Bottom Depth: 143	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
55700	56758	Non-flow = pickled	

Notes:

planktons

Date: 4 Sept 2017	Station: L604	Time: 1031	LOCAL
Net Event # 9894	CTD # 94 93		
Latitude: 49° 18' 00" N	Longitude: 126° 38' 11" W		
deg min dec	deg min dec		
Wire out: 90	Wire angle: 0	Bottom Depth: 100	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
56758	57352	Non-flow = pickled	

Notes:

picked 200 for DA from frozen side

Date: 4 Sept 2017	Station: L602	Time: 1044	LOCAL
Net Event # 95	CTD # 93		
Latitude: 49° 18' 72" N	Longitude: 126° 38' 09" W		
deg min dec	deg min dec		
Wire out: 90	Wire angle: 10	Bottom Depth: 100	
Net Type: RINC	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
18595	19090	Non-flow = pickled	

Notes: RING NET

Date: 4 Sept 17	Station: LJO2	Time: 1536	LOCAL
Net Event # 99	CTD # 98		
Latitude: 49° 42' 59" N	Longitude: 127° 05' 27" W		
deg min dec	deg min dec		
Wire out: 75	Wire angle: 0	Bottom Depth: 83	
Net Type: bengo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
57353	57833	Non-flow = pickled	

Notes:



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Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel:

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Project(s): Laperouse Contact: Moira
TSK Serial #: 4798 RBR serial #: 81

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 4 Sept 17 Station: L504 Time: 17:15 LOCAL

Net Event # 105 CTD # 102

Latitude: 49 35.525 N Longitude: 127 16.690 W
deg min.dec deg min.dec

Wire out: 150 Wire angle: 15 Bottom Depth: 158

Net Type: bongo Tow Type: VNH

Flow start Flow end Flow = frozen

57833 58945 Non-flow = pickled

Notes: PYRO

5 Sept 17 UTC

Date: 4 Sept 17 Station: L506 Time: 20:25 LOCAL

Net Event # 105 CTD # 104

Latitude: 49 28.126 N Longitude: 127 28.717 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 10 Bottom Depth: 975

Net Type: bongo Tow Type: VNH

Flow start Flow end Flow = frozen

58945 60553 Non-flow = pickled

Notes: VVIC took 6 small krill
1 REQ 1 RYAN 120m FLOW SIDE

Date: 5 Sept 2017 Station: L509 Time: 02:20 LOCAL

Net Event # 109 CTD # 108

Latitude: 49 16.09 N Longitude: 127 47.06 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 25 Bottom Depth: 2483

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

60552 62222 Non-flow = pickled

Notes: transferred 1 lg shrimp from frozen to pickled
a few pyrosomes in water

Date: 5 Sept 2017 Station: LBP08 Time: 0808 LOCAL

Net Event # 111 CTD # 110

Latitude: 49 48.66 N Longitude: 128 16.97 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 20 Bottom Depth: 2064

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

67720 63900 Non-flow = pickled

Notes:



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Cruise #: 2017-09 Vessel: Tully Page: 10

Project(s): Laperouse Contact: Mira

TSK Serial #: 4798 RBR serial #: 81

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 5 Sept 2017 Station: LBP08 Time: 0833 LOCAL

Net Event # 112 CTD # 110

Latitude: 49 48 56 N Longitude: 128 16 89 W
deg min dec deg min dec

Wire out: 250 Wire angle: 75 Bottom Depth: 2064

Net Type: VNH Tow Type: VNH

Flow start Flow end Flow = frozen

19085 20564 Non-flow = pickled

Notes: Evgny net 7133

Date: 5 Sept 2017 Station: LBP7 Time: 1307 LOCAL

Net Event # 115 CTD # 114

Latitude: 49 52.47 N Longitude: 128 16.79 W
deg min dec deg min dec

Wire out: 250 Wire angle: 5 Bottom Depth: 2199

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

63902 65653 Non-flow = pickled

Notes:

Date: 05-09-17 Station: LBP5 Time: 1625 LOCAL

Net Event # 118 CTD # 117 2325 UTC

Latitude: 49 59.87 N Longitude: 128 0.123 W
deg min dec deg min dec

Wire out: 250 Wire angle: 5 Bottom Depth: 1277

Net Type: Baxo Tow Type: VNH

Flow start Flow end Flow = frozen

65653 67422 Non-flow = pickled

Notes:

Date: 05-09-17 Station: LBP3 Time: 1952 LOCAL

Net Event # 122 CTD # 121 0152 UTC

Latitude: 50 03.160 N Longitude: 127 55.346 W
deg min dec deg min dec

Wire out: 155 Wire angle: 5 Bottom Depth: 168

Net Type: Baxo Tow Type: VNH

Flow start Flow end Flow = frozen

67422 68488 Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: *SPRUCE* Page: 11/
Project(s): *KAPELUSE* Contact: *M. Dora*
TSK Serial #: 4798 RBR serial #: 81
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 05.09.17	Station: <i>LBP3</i>	Time: <i>1906</i>	LOCAL
Net Event # <i>123</i>	CTD # <i>121</i>		
Latitude: <i>50</i>	<i>03.114</i> N	Longitude: <i>127 55.533</i> W	
deg	min.dec	deg	min.dec
Wire out: <i>155</i>	Wire angle: <i>12</i>	Bottom Depth: <i>180</i>	
Net Type: <i>Ring</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>20504</i>	<i>21425</i>	Non-flow = pickled	

Notes: *EUGENE NET TSK 7133*

Date: 5 Sept 2017	Station: <i>LBP2</i>	Time: <i>1943</i>	LOCAL
Net Event # <i>125</i>	CTD # <i>124</i>		
Latitude: <i>50</i>	<i>03.89</i> N	Longitude: <i>127 54.26</i> W	
deg	min.dec	deg	min.dec
Wire out: <i>85</i>	Wire angle: <i>25</i>	Bottom Depth: <i>96</i>	
Net Type: <i>Bongo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>68488</i>	<i>69034</i>	Non-flow = pickled	

Notes: *a few Doliolids + juvenile euphausiids pickled from frozen side for Donnie Arndt analyses*

Date: 6 Sept 2017	Station: <i>CPE2</i>	Time: <i>0220</i>	LOCAL
Net Event # <i>129</i>	CTD # <i>128</i>		
Latitude: <i>50</i>	<i>43.01</i> N	Longitude: <i>128 39.04</i> W	
deg	min.dec	deg	min.dec
Wire out: <i>116</i>	Wire angle: <i>16</i>	Bottom Depth: <i>126</i>	
Net Type: <i>B</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>69360</i>	<i>70162</i>	Non-flow = pickled	

Notes:

Date: 6 Sept 2017	Station: <i>LQ03</i>	Time: <i>0507</i>	LOCAL
Net Event # <i>132</i>	CTD # <i>131</i>		
Latitude: <i>50</i>	<i>39.69</i> N	Longitude: <i>129 02.03</i> W	
deg	min.dec	deg	min.dec
Wire out: <i>250</i>	Wire angle: <i>15</i>	Bottom Depth: <i>1297</i>	
Net Type: <i>Bongo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>70175</i>	<i>71830</i>	Non-flow = pickled	

Notes:



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Cruise #: 2017-09 Vessel: Talu Page: 12

Project(s): La Perouse Contact: Maria

TSK Serial #: 4798 RBR serial #: 81

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Time offset = + hrs = UTC (please record local time for samples)

Date: 6 Sept 07	Station: 2122	Time: 0728	LOCAL
Net Event # 134	CTD # 133		
Latitude: 50 39 81	N	Longitude: 129 17 61	W
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 5	Bottom Depth: 1520	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
71830	73552	Non-flow = pickled	

Notes: Fin whale next to snare station transferred 1 saki siphonophore from frozen -> pickled for ID

Date: 06. 09. 17	Station: C500	Time: 1413	LOCAL
Net Event # 137	CTD # 136		
Latitude: 50 28. 41	N	Longitude: 129 55. 32	W
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 15	Bottom Depth: 2170	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
73550	75580	Non-flow = pickled	

Notes:

Date: 06. 09. 17	Station: C501	Time: 17:02	LOCAL
Net Event # 139	CTD # 138		
Latitude: 50 34. 90	N	Longitude: 129 41. 44	W
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 5	Bottom Depth: 2100	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
75580	77263	Non-flow = pickled	

Notes:

PYAB

Date: 6 Sept 17	Station: C502	Time: 1959	LOCAL
Net Event # 141	CTD # 140		
Latitude: 50 44. 289	N	Longitude: 129 28. 058	W
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 1893	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
77263	79210	Non-flow = pickled	

Notes:

7 Sept 17 UTC



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Cruise #: 2017-09 Vessel: Tully Page: 13

Project(s): *Leptodermis* Contact: *Moira*

TSK Serial #: *4798* RBR serial #: *81*

Time offset = + *7* hrs = UTC (please record local time for samples)

Date: *6 Sept 17* Station: *C502* Time: *20 23* LOCAL

Net Event # *142* CTD # *140*

Latitude: *50 41.270* N Longitude: *129 28.060* W
deg min.dec deg min.dec

Wire out: *250* Wire angle: *0* Bottom Depth: *1895*

Net Type: *Ring* Tow Type: *VNH*

Flow start *21425* Flow end Flow = frozen

21425 Non-flow = pickled

Notes:

Eugleny net TSK 7133

Date: *06.09.17* Station: *C503* Time: *2147* LOCAL

Net Event # *144* CTD # *143*

Latitude: *50 45.64* N Longitude: *129 20.00* W
deg min.dec deg min.dec

Wire out: *225* Wire angle: *10* Bottom Depth: *235*

Net Type: *Bongo* Tow Type: *VNH*

Flow start Flow end Flow = frozen

79210 Non-flow = pickled

Notes:

Kill yay

Date: *06.09.17* Station: *C504* Time: *2306* LOCAL

Net Event # *146* CTD # *145* *0606 UTC*

Latitude: *50 49.393* N Longitude: *129 12.916* W
deg min.dec deg min.dec

Wire out: *88* Wire angle: *20* Bottom Depth: *97*

Net Type: *Bongo* Tow Type: *VNH*

Flow start Flow end Flow = frozen

81010 Non-flow = pickled

Notes:

Date: *7/9/17* Station: *NEW ODA5* Time: *0355* LOCAL

Net Event # *140* CTD # *147*

Latitude: *50 56.46* N Longitude: *129 58.87* W
deg min.dec deg min.dec

Wire out: *250* Wire angle: *5* Bottom Depth: *2110*

Net Type: *Bongo* Tow Type: *VNH*

Flow start Flow end Flow = frozen

82021 Non-flow = pickled

Notes:

large protozoans in water



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Plankton Net Tow Log Sheet

Cruise #: 2017.09 Vessel: Tully Page: 14

Project(s): Le Perouv Contact: MORA

TSK Serial #: 4798 RBR serial #: 81

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 7 Sept 2017	Station: CS 36	Time: 0653	LOCAL
Net Event # 150	CTD # 149		
Latitude: 51 00 07 N	Longitude: 129 27 0 W		
deg min.dec	deg min.dec		
Wire out: 208	Wire angle: 5	Bottom Depth: 218	
Net Type: Bengo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
83895	85430	Non-flow = pickled	

Notes:

Date: 7 Sept 2017	Station: CS 05	Time: 0915	LOCAL
Net Event # 152	CTD # 151	128 59 97	
Latitude: 50 56 06 N	Longitude: 7 W		
deg min.dec	deg min.dec		
Wire out: 52	Wire angle: 30	Bottom Depth: 12	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
85429	85844	Non-flow = pickled	

Notes:

Date: 7/9/17	Station: CS 1B	Time: 1058	LOCAL
Net Event # 154	CTD # 153		
Latitude: 50 53 02 N	Longitude: 128 39 65 W		
deg min.dec	deg min.dec		
Wire out: 66	Wire angle: 45°	Bottom Depth: 72	
Net Type: BOMGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
85848	87000	Non-flow = pickled	

Notes: TOWED AT SURFACE - SURFACE CURRENT ~ 3 KNOTS

Date: 07.09.17	Station: CS06	Time: 1246	LOCAL
Net Event # 157	CTD # 156	1947 UTC	
Latitude: 50 59 888 N	Longitude: 128 51 568 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 30	Bottom Depth: 65	
Net Type: BOMGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
87848	87760	Non-flow = pickled	

Notes:

a few small copepods, amphipods, + decapod zoea
picked from frozen side for DOMAC Pond analysis



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Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: Tully Page: 15
Project(s): Laprise Contact: Meira
TSK Serial #: 4798 RBR serial #: 81
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 07.09.17	Station: C507	Time: 1355	LOCAL
Net Event # 159	CTD # 158		
Latitude: 51 04.41 N	Longitude: 128 44.02 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 25	Bottom Depth: 66	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
87760	88372	Non-flow = pickled	

Notes:

Date: 07.09.17	Station: C508	Time: 1510	LOCAL
Net Event # 162	CTD # 161	2210	UTC
Latitude: 51 08.455 N	Longitude: 128 36.002 W		
deg min.dec	deg min.dec		
Wire out: 125	Wire angle: 0	Bottom Depth: 145	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
88372	89302	Non-flow = pickled	

Notes:

Date: 07 Sept 17	Station: C509	Time: 1634	LOCAL
Net Event # 164	CTD # 163		
Latitude: 51 12.471 N	Longitude: 128 28.377 W		
deg min.dec	deg min.dec		
Wire out: 185	Wire angle: 10	Bottom Depth: 195	
Net Type: bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
89302	91945	Non-flow = pickled	

Notes:

Date: 07 Sept 17	Station: C509	Time: 1654	LOCAL
Net Event # 165	CTD # 163		
Latitude: 51 12.288 N	Longitude: 128 28.471 W		
deg min.dec	deg min.dec		
Wire out: 185	Wire angle: 10	Bottom Depth: 196	
Net Type: RING	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
22865	24328	Non-flow = pickled	

Notes:

Evgeny net TSK 7133



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Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: Tully Page: 16

Project(s): Lapouse Contact: Heira

TSK Serial #: 4798 RBR serial #: 81

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Time offset = + hrs = UTC (please record local time for samples)

Date: 7 Sept 17 Station: CS10 Time: 1805 LOCAL

Net Event # 167 CTD # 166

Latitude: 51° 16.486' N Longitude: 128° 20.093' W

deg min dec deg min dec

Wire out: 70 Wire angle: 10 Bottom Depth: 80

Net Type: bargo Tow Type: VNH

Flow start Flow end Flow = frozen

91945 92503 Non-flow = pickled

Notes:

get distracted - did not record bottom location - date above
is location of end + time @ bottom

Date: 07.09.17 Station: 954 Time: 2126 LOCAL

Net Event # 169 CTD # 168

Latitude: 51° 21.024' N Longitude: 128° 59.910' W

deg min dec deg min dec

Wire out: 228 Wire angle: 5 Bottom Depth: 237

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

92503 93482 Non-flow = pickled

Notes:

LMACINA EX04

Date: 07.09.17 Station: 953 Time: 2353 LOCAL

Net Event # 172 CTD # 171

Latitude: 51° 15.134' N Longitude: 129° 21.030' W

deg min dec deg min dec

Wire out: 250 Wire angle: 0 Bottom Depth: 289

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

93482 95395 Non-flow = pickled

Notes: 10 Euphausiid sp. removed from frozen side for Dorene Field analysis

Date: 8 Sept 2017 Station: 952 Time: 0217 LOCAL

Net Event # 174 CTD # 173

Latitude: 51° 12.91' N Longitude: 129° 43.06' W

deg min dec deg min dec

Wire out: 250 Wire angle: 5 Bottom Depth: 584

Net Type: R Tow Type: VNH

Flow start Flow end Flow = frozen

95475 97346 Non-flow = pickled

Notes:

Large fish (eel?) removed from pickled + frozen



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Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: Tully Page: 17

Project(s): Lagerouse Contact: Moira
TSK Serial #: 4798 RBR serial #: 81
Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 8 Sept 2017 Station: SSI Time: 0414 LOCAL

Net Event # 176 CTD # 175

Latitude: 51 11 96 N Longitude: 129 59 95 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 0 Bottom Depth: 491

Net Type: B Tow Type: VNH

Flow start 97347 Flow end Flow = frozen

Non-flow = pickled

Notes: removed 1 CTD from pickled side, preserved in EtOH

removed 10 Euph from frozen + some Linnæa, in same EtOH as CTD

Date: 8 Sept 2017 Station: NL01 Time: 0945 LOCAL

Net Event # 178 CTD # 177

Latitude: 51 22 26 N Longitude: 130 50 73 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 6° Bottom Depth: 2194

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

Non-flow = pickled

Notes: 99020 99020

Date: 8 Sept 2017 Station: NL01 Time: 1038 LOCAL

Net Event # 179 CTD # 177

Latitude: 51 22 35 N Longitude: 130 51 02 W
deg min.dec deg min.dec

Wire out: 1200 Wire angle: 5 Bottom Depth: 2913

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

Non-flow = pickled

Notes: 1105 myctophids transferred from frozen to pickled

Date: 8 Sept 2017 Station: NI 02 Time: 1428 LOCAL

Net Event # 181 CTD # 180

Latitude: 51 33.623 N Longitude: 130 16.318 W
deg min.dec deg min.dec

Wire out: 250 Wire angle: 5 Bottom Depth: 850

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

Non-flow = pickled

Notes: 9450 11424



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Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: *JP Tully* Page: 18

Project(s): *MPERADUSE* Contact: *MOIRA*

TSK Serial #: *4798* RBR serial #: *81*

Time offset = + *7* hrs = UTC (please record local time for samples)

Date: 08-09-17	Station: NL03	Time: 1730	LOCAL
Net Event # 183	CTD # 182		0030 UTC (9)
Latitude: 51° 47.76 N	Longitude: 129° 39.72 W		
deg	min.dec	deg	min.dec
Wire out: 250	Wire angle: 10	Bottom Depth: 294	
Net Type: <i>Bongo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
11424	13388	Non-flow = pickled	

Notes:

Date: <i>08 Sep 2017</i>	Station: <i>NL04</i>	Time: <i>1954</i>	LOCAL
Net Event # <i>185</i>	CTD # <i>184</i>		
Latitude: <i>51</i>	<i>55.853</i> N	Longitude: <i>129</i>	<i>12.004</i> W
deg	min.dec	deg	min.dec
Wire out: <i>155</i>	Wire angle: <i>5</i>	Bottom Depth: <i>165</i>	
Net Type: <i>Bongo</i>	Tow Type: <i>Bongo/VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>13388</i>	<i>14462</i>	Non-flow = pickled	

Notes:

Luminaire fish

Date: 08-09-17	Station: <i>NL05</i>	Time: <i>2203</i>	LOCAL
Net Event # <i>187</i>	CTD # <i>186</i>		
Latitude: <i>51</i>	<i>40.563</i> N	Longitude: <i>128</i>	<i>54.524</i> W
deg	min.dec	deg	min.dec
Wire out: <i>34</i>	Wire angle: <i>10</i>	Bottom Depth: <i>44</i>	
Net Type: <i>Bongo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>14462</i>	<i>14754</i>	Non-flow = pickled	

Notes:

Date: <i>09 09-17</i>	Station: <i>355</i>	Time: <i>0033</i>	LOCAL
Net Event # <i>189</i>	CTD # <i>188</i>		
Latitude: <i>51</i>	<i>27</i> 98 N	Longitude: <i>120</i>	<i>30 00</i> W
deg	min.dec	deg	min.dec
Wire out: <i>189</i>	Wire angle: <i>0</i>	Bottom Depth: <i>200</i>	
Net Type: <i>Bongo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>14753</i>	<i>15007</i>	Non-flow = pickled	

Notes:

windy night (30-25 km/h)



Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: Tully Page: 19

Project(s): Laperouse Contact: Morin

TSK Serial #: 4798 RBR serial #: 81

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 9 Sept 17 Station: 556 Time: 0250 LOCAL

Net Event # 191 CTD # 190

Latitude: 51 19 99 N Longitude: 127 59 77 W

Wire out: 166 Wire angle: 30 Bottom Depth: 178

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

16005 17400 Non-flow = pickled

Notes:

Date: 9 Sept 2017 Station: 557 Time: 0406 LOCAL

Net Event # 193 CTD # 192

Latitude: 51 24 58 N Longitude: 127 47 55 W

Wire out: 114 Wire angle: 5 Bottom Depth: 124

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

17445 18340 Non-flow = pickled

Notes: larval fish transferred from frozen → pickled (cotlid)

Date: 9 Sept 2017 Station: CPE 1 Time: 0729 LOCAL

Net Event # 195 CTD # 194

Latitude: 50 59 97 N Longitude: 127 50 12 W

Wire out: 133 Wire angle: 0 Bottom Depth: 143

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

26885 27808 Non-flow = pickled

Notes: 5m spun in wind before Station.

Date: 9 Sept 2017 Station: 14 Time: 2300 LOCAL

Net Event # 198 CTD # 197

Latitude: 49 53.089 N Longitude: 124 59.673 W

Wire out: 302 Wire angle: 5 Bottom Depth: 312

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

28456 30718 Non-flow = pickled

Notes:

frozen SIZE FRACTIONATION HUNT

Clione + Limacina from frozen side for Matt (VNH) ~~in stock~~
kept live (seedling exp.)



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Plankton Net Tow Log Sheet

Cruise #: 20709 Vessel: Tully Page: 20

Project(s): Leperouse Contact: Moira

TSK Serial #: 498 RBR serial #: 81

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 10 Sept 2017	Station: 11	Time: 01:12	LOCAL
Net Event # 201	CTD # 200		
Latitude: 49 42.40	N	Longitude: 124 43.31	W
deg	min.dec	deg	min.dec
Wire out: 284	Wire angle: 5	Bottom Depth: 297	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30716	32508	Non-flow = pickled	

Notes: high wire angle at start. ^{DC station} Limacina from frozen for ETOH

Date: 10 Sept 17	Station: CPE2	Time: 0343	LOCAL
Net Event # 204	CTD # 203		
Latitude: 49 27 98	N	Longitude: 124 30 57	W
deg	min.dec	deg	min.dec
Wire out: 313	Wire angle: 5	Bottom Depth: 323	
Net Type: B	Tow Type: VNH		
Flow start 32510	Flow end 34489	Flow = frozen	
		Non-flow = pickled	

Notes:

Limacina from frozen ^{side} for ETOH

Date: 10 Sept 2017	Station: 6511	Time: 1055	LOCAL
Net Event # 208	CTD # 207		
Latitude: 49 29.03	N	Longitude: 124 46.02	W
deg	min.dec	deg	min.dec
Wire out: 50	Wire angle: 0	Bottom Depth: 62	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
34489	34837	Non-flow = pickled	

Notes: removed 1 octru, cast. pac from pickled.

DC station. No Limacina picked - too small
- 100 in sample

Date: 10 Sept 17	Station: CPE1	Time: 1406	LOCAL
Net Event # 210	CTD # 209		
Latitude: 49 21.985	N	Longitude: 124 04.999	W
deg	min.dec	deg	min.dec
Wire out: 229	Wire angle: 5	Bottom Depth: 243	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
34837	36265	Non-flow = pickled	

Notes:



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Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: Tully Page: 21

Project(s): La Perouse Contact: Moira

TSK Serial #: 4798 RBR serial #: 81

Time offset = + 7 hrs = UTC (please record local time for samples)

Date: 10 Sept 17	Station: 22	Time: 1703	LOCAL
Net Event # 212	CTD # 211		
Latitude: 49 deg min.dec	40.195 N	Longitude: 124 16.358 W	
Wire out: 340	Wire angle: 0	Bottom Depth: 349	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
36265	38288	Non-flow = pickled	

Notes:

Date: 10-09-17	Station: 24	Time: 1913	LOCAL
Net Event # 214	CTD # 213		
Latitude: 49 deg min.dec	30.307 N	Longitude: 124 05.923 W	
Wire out: 412	Wire angle: 10	Bottom Depth: 423	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
38288	41267	Non-flow = pickled	

Notes:

Date: 10 Sept 17	Station: 28	Time: 2138	LOCAL
Net Event # 216	CTD # 215		
Latitude: 49 deg min.dec	24.051 N	Longitude: 123 45.450 W	
Wire out: 126	Wire angle: 10	Bottom Depth: 135	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
41267	42120	Non-flow = pickled	

Notes:

Date: 10-09-17	Station: Geo 1	Time: 2329	LOCAL
Net Event # 219	CTD # 218		
Latitude: 49 deg min.dec	14.814 N	Longitude: 123 44.691 W	
Wire out: 390	Wire angle: 10	Bottom Depth: 399	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
42120	44945	Non-flow = pickled	

Notes:

Plankton Net Tow Log Sheet

Cruise #: 2017-09 Vessel: Tully Page: 22

Project(s): Leptocarpus - JOC Contact: Maira

TSK Serial #: 4798 RBR serial #: 81

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Time offset = + hrs = UTC (please record local time for samples)

Date: 11/9/17	Station: 40	Time: 0143	LOCAL
Net Event # 222	CTD # 221		
Latitude: 49 08 54	N Longitude: 123 36 72	W	
deg min.dec	deg min.dec		
Wire out: 153	Wire angle: 15	Bottom Depth: 163	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
44944	45998	Non-flow = pickled	

Notes:

pickled limacina from frozen side for ETOH

Date: 11 Sept 2017	Station: 38	Time: 0252	LOCAL
Net Event # 224	CTD # 223		
Latitude: 49 12 06	N Longitude: 123 26 22	W	
deg min.dec	deg min.dec		
Wire out: 294	Wire angle: 40	Bottom Depth: 304	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
45997	47820	Non-flow = pickled	

Notes:

Date: 11 Sept 2017	Station: 41	Time: 0417	LOCAL
Net Event # 227	CTD # 226		
Latitude: 49 03 17	N Longitude: 123 22 27	W	
deg min.dec	deg min.dec		
Wire out: 226	Wire angle: 5	Bottom Depth: 236	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
47820	49255	Non-flow = pickled	

Notes: DIC station

ND Limacina in ETOH - none in sample

Date: Station: Time: LOCAL			
Net Event # CTD #			
Latitude: N Longitude: W			
deg min.dec	deg min.dec		
Wire out: Wire angle: Bottom Depth:			
Net Type: Tow Type:			
Flow start Flow end	Flow = frozen		
	Non-flow = pickled		

Notes:

MULTINET Log Sheet

Cruise: 2017-09 Station: LB16 Date: 2 Sept 2017
 Event #: 3A Local Time: 0:58 Area: LB line
 CTD #: 40 Bottom Depth: 1772 Project: Laperouse

NET	(UTZ) Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
0	07:58	—	48° 0.543	126° 17.059	440	7.0 v batt start
1	08:46	1750-1500	48° 00.695	126° 17.044	72	
2	08:52	1500-1000	48° 0.718	126° 17.051	145	
3	09:02	1000-500	48° 0.735	126° 17.066	129	
4	09:12	500-250	48° 0.737	126° 17.064	61	Not much in sample?
5	09:17	250-0	48° 0.735	126° 17.058	75	rem + force 1 pyrosome 8.4V

Comments: Picked from all (not 4) for lipids

No layers, except upper 50m on 200kHz, 200m on 18 kHz

Blue shark, Squid (sm) here

Cruise: 2017-09 Station: LC12 Date: 2 Sept 2017
 Event #: 42 Local Time: 07:27 Area: End LC line
 CTD #: 41 Bottom Depth: 2516 Project: Laperouse

NET	(UTZ) Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
0	14:27	—	48° 15.01	126° 39.98	438	8.7V
1	15:20	2000-1500	48° 15.04	126° 39.98	138	New net
2	15:31	1500-1000	48° 14.99	126° 39.99	137	
3	15:40	1000-500	48° 14.97	126° 40.01	134	
4	15:48	500-250	48° 14.94	126° 40.049	69	new net
5	15:52	250-0	48° 14.96	126° 40.030	68	rem! pyrosome! frozen 8.1V

Comments: picked from all nets for lipids

Hugh hooked Tuna(?) not away.

MULTINET Log Sheet

Cruise: 2017-09 Station: LG09 Date: 03.09.17 817
 Event #: 81 Local Time: 2115 Area: ESTERAN
 CTD #: 82 Bottom Depth: 2050 Project: LA PEROUSE

NET	Local Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	2214	2000-1500	48 51.43	127 19.34	137	8.2
2	2220	1500-1000	48 51.42	19.37	132	8.1
3	2230	1000-500	51 45	19.37	135	8.1
4	2238	500-250	51.47	19.36	61	8.1
5	2243	250-0	51.47	19.36	74	

Comments:

RESET CAM BY HALF STEP
 NET 2 WAS NOT RELEASING - NET 4 RELEASED WITH NET 5

Cruise: 2017-09 Station: LBP8 Date: 5 Sept 2017
 Event #: 113 Local Time: 09:00 Area: Brooks Peninsula
 CTD #: 110 Bottom Depth: 2065 Project: LA PEROUSE

NET	Local Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	9:57	2000-1500	49 48.658	128 16.780	135	8.4 ✓
2	10:06	1500-1000	48.659	16.815	134	8.3 ✓
3	10:15	1000-500	48.629	16.841	133	Not much in sample. 8.3 ✓
4	10:23	500-250	48.643	16.843	72	8.3 ✓
5	28	250-0	48 647	16.848	73	8.3 ✓

Comments:

fixed winch controls to go down slower. Up @ 1.0 m/s, down 0.5 m/s
 layer on 184 Hz @ 250-225 m (Euphausiids?)
 strong layer 50-0 m on 200 kHz. Checked net firing before
 cast, confirmed all firing in order.

MULTINET Log Sheet

Cruise: 2017-09 Station: CS40 Date: 6 Sept 2017
 Event #: 135 Local Time: 10:32 Area: Cape Scott
 CTD #: 136 Bottom Depth: 2167 Project: LAPEROUSE

NET	Local Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
1	11:32	2000-1500	50 27.689	129 55.190	144	8.3V
2	11:41	1500-1000	50 27.725	129 55.230	136	8.2
3	11:48	1000-500	27.63	55.45	143	8.3
4	11:57	500-250	27.66	55.30	69	8.2
5	12:01	250-0	27.68	55.28	70	

Comments: NET 3 LOOKS LIKE IT IS NOT OPEN? NOT MUCH IN IT
15 KHz LAYER @ 300
200 KHz SOMETHING @ 250M
JELLY? LAYER @ 25M

Cruise: 2017-09 Station: GE01 Date: 10 Sept 2017
 Event #: 220 Local Time: 23:54 Area: S.G.
 CTD #: 218 Bottom Depth: 399 Project: LAPEROUSE

NET	Local Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	Comments
1	0707	305-300	49 14 92	123 44 78	24	
2	0709	300-200	49 14 94	123 44 76	31	
3	0710	200-100	49 14 95	123 44 75	31	8.7V
4	0712	100-50	49 14 96	123 44 74	15	
5	0713	50-0	49 14 97	123 44 73	15	

Comments: Nets picked for lipids

MULTINET Log Sheet

Cruise: _____ Station: _____ Date: _____
Event #: _____ Local Time: _____ Area: _____
CTD #: _____ Bottom Depth: _____ Project: _____

	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
NET	Time				

Comments:

Cruise: _____ Station: _____ Date: _____
Event #: _____ Local Time: _____ Area: _____
CTD #: _____ Bottom Depth: _____ Project: _____

	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
NET	Time				

Comments: