



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 40.195 N	Longitude: 124 16.358 W	
deg min.dec	deg min.dec	
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 30.307 N	Longitude: 124 05.923 W	
deg min.dec	deg min.dec	
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 24.051 N	Longitude: 123 45.450 W	
deg min.dec	deg min.dec	
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 14.814 N	Longitude: 123 44.691 W	
deg min.dec	deg min.dec	
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): Laperouse - SoC Contact: Moira

TSK Serial #: 4798 RBR serial #: 81

Time offset = + 7 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 08 N	Longitude: 123 26 22 W		
deg min.dec	deg min.dec		
Wire out: 294	Wire angle: 450	Bottom Depth: 309	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
45997	478820	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

NO 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:

2017-09	TSK 4798	RBR 79081	
STN	TOW Z	TSK 4798	START END
LD11	250	1578	0 50415 52160
LD11	1200	1577	3 42458 50415
LG09	250	2044	5 52161 54020
EV LG09	250	2044	15 17089 18597
LG07	250	1742	5 54018 55780
LG04	139	148	15 55780 56758
LG02	90	100	0 56758 57352
EV LG02	90	100	10 18595 19090
LS02	75	82	0 57353 57833
LS04	150	156	15 57833 58945
LS06	250	975	10 58945 60553
LS09	250	2483	25 60552 62222
LB08	250	2064	20 62220 63700
EV LB08	250	2064	25 19085 20564
LB07	250	2199	5 63902 65653
LB05	250	1270	5 65653 67422
LB03	155	163	5 67422 68488
EV LB03	155	165	12 20564 21425
LB02	85	95	25 68488 69034
CR02	116	126	10 69360 70167
LG03	250	1290	15 70175 71830
J122	250	1518	5 71830 73552
CS00	250	2167	15 73550 75580
CS01	250	2100	5 75580 77263

Rate in air Run

2017-09	RBR	TSK 4798	FLOWMETER
STN	TOW Z	TSK 4798	START END
W0059	245	221	0 21281 22555
E1	114	108	20 22555 23500
C1	141	151	10 23500 24564
C2	149	159	10 24564 25637
C3	112	122	10 25637 26437
LB07	148	156	5 26437 27391
B8	127	137	5 27391 28327
B7	70	78	10 28327 28900
LB08	130	138	10 28900 29835
EV LB08	130	138	15 29835 31275
LB11	195	204	8 31275 33155
LC12	250	2515	20 33155 34934
A3	250	602	10 34934 36681
EV A3	250	602	5 36681 37934
A2	250	348	0 37934 38525
A1	196	198	0 38525 39890
B6	83	93	25 39890 40362
B5	55	65	0 40362 40800
LC04	156	166	5 40800 42390
EV LC04	156	166	35 42390 43860
LD02	37	42	0 43860 44390
LD04	50	62	30 44390 45860
LD09	250	1046	0 45860 47390

Rate in air Run

2017-09	TSK 4798	RBR	79081		
STN	TOWZ	STN Z	L°	STARTS	FINISH
SS5	189	199	0	14753	15007
SS6	166	176	20	16005	17400
SS7	114	124	5	17495	18340
CPE1	130	146	0	26885	27808
14	302	312	5	28456	30718
11	284	294	5	30716	32508
CPE2	316	326?	5	32510	34489
BS-11	50	60	0	34489	34837
CPF1	229	239	5	34837	36265
22	340	350	0	36265	38288
24	412	422	10	38288	41267
28	126	136	10	41267	42120
Geo1	399	399	10	42120	44945
40	153	163	15	44944	45998
38	294	304	0	45997	47820
41	226	236	5	47820	49255

Rate in the Rain

2017-09	TSK 4798	RBR 79081			
STN	TOWZ	STN Z	L°	START	FINISH
CS02	250	1892	0	77323	79210
EXCS02	250	1895	0	21485	22865
CS03	225	235	10	79210	81010
CS04	88	98	20	81010	82612
newDNAS	250	2104	5	82021	83810
CS3B	208	218	5	83815	85420
CS05	52	62	30	85429	85844
CS1B	66	71	45	85848	87000
CS06	55	65	30	87040	87760
CS07	55	65	25	87760	88372
CS08	135	145	0	88372	89302
CS09	185	195	10	89302	91945
EXCS09	185	196	10	22865	24328
CS10	70	80	10	91945	92503
SS4	228	238	5	92503	93482
SS3	250	288	0	93482	95395
SS2	250	585	5	95475	97346
SS1	250	491	0	97347	99018
NL01	250	2192	10	98020	101185
NL01	1200	2192	5	101185	11450
NL02	150	895	5	9450	11424
NL03	250	294	10	11424	13388
NL04	155	165	5	13388	14462
NL05	34	44	10	14462	14754

Rate in the Rain

MULTINET Log Sheet

Cruise: 2017-09 Station: LB16 Date: 2 Sept 2017
 Event #: 39 Local Time: 0:58 Area: LB line
 CTD #: 40 Bottom Depth: 1772 Project: Laperouse

NET	(+?) UTC Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
0	07:58	—	48 0.543	126 17.059	440	9.0V 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 + froze 1 pyrosome 8.4V

Comments: Picked from all (not 4) for lipids
 No layers except upper 50m on 200 KHz, 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	(+?) UTC Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
0	07:27	—	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°14.975	126 40.011	134	
4	15:48	500-250	48 14.977	126 40.049	69	new net
5	15:52	250-0	48 14.966	126 40.030	68	rem 1 pyrosome frozen 8.2V

Comments: picked from all nets for lipids
 Hugh hooked Tuna(?), got away.

MULTINET Log Sheet

Cruise: 2017-09 Station: LG09 Date: 03.09.17 8.7
 Event #: 81 Local Time: 2115 Area: ESTEVAN
 CTD #: 82 Bottom Depth: 2050 Project: LAPEROUSE

NET	Local Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m³)	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:

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 (m³)	Comments
1	9:57	2000-1500	49 48.658	128 16.780	135	8.8V 8.4V
2	10:06	1500-1000	48.659	16.815	134	8.3V
3	10:15	1000-500	48.629	16.841	133	Not much in sample. 8.3V
4	10:23	500-250	48.643	16.843	72	8.3V
5	28	250-0	48 647	16.848	73	8.3V

Comments:

fixed winch controls to go down slower. Up @ 1.0 m/s, down 0.5 m/s
 layer on 18 kHz @ 250-225 m (Euphausiids?)
 strong layer 50-0 m on 200 kHz. Checked net firing before
 cast, confirmed all firing in order.

RESET CAM BY HALF STEP
 NET WAS NOT REWINDING - NET RELEASED
 WITH NET 5

MULTINET Log Sheet

Cruise: 2017-09 Station: CS#0 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 (m ³)	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
 18 KHz LAYER @ 300 200 KHz SOMETHING @ 250m
 400 JELLY? LAYER @ 25m

Cruise: 2017-09 Station: GEO 1 Date: 10 Sept 2017
 Event #: 220 Local Time: 23:54 Area: SOG
 CTD #: 218 Bottom Depth: 399 Project: LAPEROUSE

NET	Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	0707	385-300	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	8.7 V
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: _____

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

Comments:

Cruise: _____ Station: _____ Date: _____

Event #: _____ Local Time: _____ Area: _____

CTD #: _____ Bottom Depth: _____ Project: _____

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

Comments: