

MVP 200 Log Sheet

Cruise #: NBP 12-01 Date: 08 Jan 2012 Event #: NBP 1201017
 Time (local): 0900 Time (GMT): _____ MVP Tow: 1
 Depth on Deck: 0.7 Temp. on Deck: 0.548
 Survey Line: Ross Gyre TO ICE SHELF EDDY #1

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01
 MVP File Name: C:\NBP 12-01

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
1728	0001	172818	75°04.318	170 32.69	10.0
1736	0002	173606			10.0
1746	0003	174633			10.0
1801	0004	180136			10.2
1813	0005	181331			10.1
1826	0006	182607			9.9
1838	0007	183836			10.0
1851	0008	185130	75°10.059	171° 20.071	10.1
1904	0009	190459			10.0
1918	0010	191837			9.8
1931	0011	193138			9.9
1944	0012	194444			10.1
1958	0013	195815			10.1
2011	0014	201149	75°15.839	172° 07.899	10.1
2025	0015	202512			10.2
2038	0016	203825			10.2
2051	0017	205139			10.2
2105	0018	210504			10.3
2118	0019	211844			10.3
2132	0020	213206	75° 21.615'S	172° 56.80'W	10.3
2159	0021	215954			6.9
0212	0022	221211			7.0
0224	0023	222451			6.9
0238	0024	no LOPC			7.0
0251	0025	225116			7.0
0304	0026	230538			7.0
0317	0027	231705	75° 26.785' S	173° 39.030' W	6.9
0330	0028	233029			6.9
0345	0029	234514			7.0
0357	0030	235751			7.1

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 09 Jan 2012

Event #: NBP1201-017

Time (local): _____

Time (GMT): _____

MVP Tow: 1

Depth on Deck: _____

Temp. on Deck: _____

Survey Line: Ross Gyre to Eddy #1

LOPC: Grey

CTD: 7299

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01

MVP File Name: C:\NBP12-01

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
0410	0031	001016	75° 29.56' S	174° 01.98' W	6.9
0423	0032	002255			6.9
0435	0033	003527			7.0
0448	0034	004809			7.1
0501	0035	010106	75° 31.915' S	174° 22.35' W	7.0
0514	0036	011354			6.9
0526	0037	012634			7.0
0539	0038	013926			7.1
0552	0039	015159			7.2
0604	0040	020434			7.3
0617	0041	021704			6.8
0629	0042	022933			6.8
0642	0043	024203			6.9
0654	0044	025435			7.2
0706	0045	030645			7.1
0719	0046	031855			7.1
0731	0047	033121			7.3
0744	0048	034410			7.0
0756	0049	035621			6.8
0808	0050	040822			6.9
0820	0051	042035	75° 41.96° S	175° 46.36° W	6.8
0832	0052	043238			6.8
0845	0053	044458			6.8
0857	0054	045712			6.7
0909	0055	050915	no W R V ?		7.0
0932	0057	053222			
0944	0058	054412			6.6
0956	0059	055612	est 60 → 255 54		6.5
1015	0060	061456	missed index	60-62	6.7

MVP 200 Log Sheet

Cruise #: NBP 12-01

Date: 09 Jan 2012

Event #: ABP/22-017

Time (local): 0900

Time (GMT): _____

MVP Tow: 1

Depth on Deck: 0.7

Temp. on Deck: 0.548

Survey Line: Ross Gyre TO Eday 1

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\n58 12-01

MVP File Name: C:\N38 12-01

[illegible]

0043

Date: 09 JAN 2012

Event #: 09-08

Time (GMT):

MVP Tow: 2

Temp. on Deck: - 0.313

Survey Line: from cen of Eddy 1 to outside Eddy 1

CTD: 7799

Fluorometer: FLG 2371

LOPC File Name: C:\NBP 12-01

MVP File Name: C:\NBP 12-01

[illegible]

map copy software would not start

Page 1 of 1

Delay in start of tow b/c of ship issue + manpower coming issue.

MVP 200 Log Sheet

Cruise #: NBP 12-01 Date: 09 Jan 2012 Event #: 0051
 Time (local): 10:33 Time (GMT): _____ MVP Tow: 3
 Depth on Deck: 0.5 Temp. on Deck: 0.065
 Survey Line: OUTSIDE EDDY 1 TO EDDY 2

LOPC: Grey CTD: 7799 Fluorometer: FLEET 2371

LOPC File Name: c:\NBP 12-01\
 MVP File Name: c:\NBP 12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
2138	0079	213023	75° 54.545	175° 21.260	8.5
2149	0080	214859			9.7
2159	0081	215942			9.7
2211	0082	221100			9.8
2226	0083	222605			10.0
2237	0084	223747			10.1
2250	0085	225016	76° 06.187	175° 14.482	10.2
2302	0086	230252			10.0
2315	0087	231522			10.2
2328	0088	232755			10.3
2340	0089	234028			10.3
2354	0090	235356			10.2
0006	0091	000626			10.3
0019	0092	001854			10.6
0031	0093	003128			10.3
0044	0094	004405	76° 25.46'	175° 05.45'	10.3
0057	0095	005711			10.3
0115	0096	011505			9.8
0127	0097	012742			10.0
0146	0098	014624			9.6
0159	0099	015948			9.6
0214	0100	021411			9.9
0227	0101	022707			9.9
0242	0102	024153			10.0
0255	0103	025504			10.2
0310	0104	031011			10.2
0322	0105	032250			10.3
0337	0106	033710			10.0

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: ¹³12 Jan 2012 (UTC) Event #: 0072
 Time (local): 2232 Time (GMT): 0932 MVP Tow: 4
 Depth on Deck: 0.4 Temp. on Deck: +1.1°C
 Survey Line: Western Ross Front (STATION 7 TO STATION 8)

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01

MVP File Name: C:\NBP12-01

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
1022	0107	102228	76° 41.308'S	169° 04.765	7.1 Kts
1032	0108	103233			7.2 Kts
1043	0109	104313			7.0
1054	0110	105440			7.1
1106	0111	110624			7.1
1119	0112	111951			7.2
1131	0113	113143			7.3
1144	0114	114438			7.4
1156	0115	115636	76° 40.454	169° 53.577	7.5
1208	0116	120856			7.2
1220	0117	122052			7.3
1234	0118	123420			7.2
1246	0119	124629			7.3
1258	0120	125809			7.3
1311	0121	131142			7.3
1324	0122	132402			7.3
1336	0123	133611	76° 40.193	170° 44.554	7.0
1349	0124	134933			6.9
1401	0125	140138			6.9
1414	0126	141403			7.0
1427	0127	142759			7.2
1440	0128	144017			7.1
1452	0129	145222	76° 40.031	171° 23.061	7.1

Cable stop
adjusted to
29 m.
depth at
top ~ 9 m.

END TOW

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 13 Jan 2012 Event #: 081
 Time (local): 0830 Time (GMT): 1930 MVP Tow: 5
 Depth on Deck: 0.6 Temp. on Deck: 2.477
 Survey Line: STATION 8 TO STATION 9

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\
 MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
1930	0130	193112	76° 39.258	171° 32.75C	6.8
1941	0131	194114			6.9
1951	0132	195155			6.8
2002	0133	200315			6.9
2014	0134	201411			6.8
2026	0135	202632			6.7
2038	0136	203835	76° 39.614	172° 05.432	6.8
2051	0137	205122			6.9
2106	0138	210628			6.2
2118	0139	211854			6.8
2131	0140	213135	76° 39.733'S	172° 30.49'E	6.9
2144	0141	214425			6.8
2158	0142	215831			6.9
2211	0143	221214			6.9
2226	0144	222633			6.9
2240	0145	224044	76° 39.816	173° 04.315	6.8
2254	0146	225454			6.8
2308	0147	230849			6.9
2322	0148	232238			6.9
2336	0149	233633			6.9
2350	0150	235030			6.8
0003	0151	000355			6.8
0017	0152	001802			6.8
0031	0153	003155			6.8
0046	0154	004531	76° 39.950	174° 14.685	6.7

SHIP SLOWED
 TO 3 KNOTS
 ON UPCAST
 TO ADJUST
 Trawl FISH.

END TOW #5

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 15 Jan 2022

Event #: NSP1201-0104

Time (local): 0300

Time (GMT): _____

MVP Tow: 6

Depth on Deck: 0.2

Temp. on Deck: 0.073 °C

Survey Line: STATION 12 TO E1 STATION 113

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

High Depth up
to 6.2m

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 15 Jan 2012

Event #: 111

Time (local): 0827

Time (GMT): 0727

MVP Tow: 7

Depth on Deck: 0.5

Temp. on Deck: 0.840

Survey Line: STATION 14 TO STATION 15 (SZ)

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

← NEW EVENT FOR TOW RESTART

Cruise #: NBP12-01

Date: 18 Jan 2012

Event #: 149

Time (local): 700

Time (GMT): 1800

MVP Tow: 8

Depth on Deck: 0.3

Temp. on Deck: -1.320

Survey Line: STATION 26 TO CENTER OF EDDY 3

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
Delayed START		TO, TOW B/c OF MINKER MUP ISSUE			
1926	0166	192627	76° 46.564	173° 19.744	7.6
1936	0167	193646			10.1
1947	0168	194721			10.3
1959	0169	195909			10.4
2010	0170	201050			10.6
2023	0171	202329	76° 45.891	172° 37.808	10.4
2035	0172	203551			10.4
2048	0173	204823			10.3
2101	0174	210128			10.4
2114	0175	211436	76° 44.420	172° 00.002	10.5
2127	0176	212800			10.7
2141	0177	214121			10.7
2155	0178	215502			10.8
2208	0179	220813			10.7
2221	0180	222128			10.6
2234	0181	223445	76° 41.768	170° 59.213	10.7
2248	0182	LOPC ERROR	SEE NOTE BELOW		10.6
2301	0183	230153			10.7
2315	0184	231510			10.7
2328	0185	232842	76° 41.743'S	170° 17.729'E	10.7
2343	0186	234351			10.6
2356	0187	235629	LOPC failed to acknowledge start but began shortly after cast started		10.7
			END MVP TOW #2		
			Backed up data to S: drive on ship server		

*note: at end of cast LOPC failed to acknowledge stop.

#0182 LOPC FAILED TO INITIALIZE AT START. STARTED LATE LOPC FILE 224915.

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 19 Jan 2012

Event #: _____

Time (local): _____

Time (GMT): _____

MVP Tow: 9

Depth on Deck: 0.1 m

Temp. on Deck: -4.5 °C

Survey Line: Eddy 3 to Ross Bank MVP TOW #9

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

problem
with
freezing
inner
shear
block

Note: Had to stop tow because of freezing water on the inner sleeve.

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 21

Event #:

Time (local): 1624

Time (GMT): 0324

MVP Tow: 10

Depth on Deck: 0.5 m

Temp. on Deck: 19°C

Survey Line: Russ Bank A. - SeaHorse Mammal site to

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 23 Jan 2012 Event #: 240
Time (local): 0150 Time (GMT): _____ MVP Tow: 11
Depth on Deck: 0.5 Temp. on Deck: -0.450
Survey Line: Ross Bank Cross

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01_____

MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
1252	0206	125225	76° 42.932	177° 02.617	6.7
1302	0207	130203			7.1
1312	0208	131233			7.1
1323	0209	132354			7.2
1335	0210	133541			7.2
1347	0211	134709			7.1
1359	0212	135901			7.3
1411	0213	141140	76° 42.949	177° 43.376	7.2
1424	0214	142417			7.0
1437	0215	143747			6.9
1449	0216	144919			6.9
1501	0217	150159			7.0
1513	0218	151354			6.9
1526	0219	152631	76° 42.825	178° 20.733	6.8
1538	0220	153857			6.9
1551	0221	155135			7.0
1602	0222	160223			7.1
1615	0223	161542			7.0
1626	0224	162601			7.1
1637	0225	1637	INNER SURFACE SWITCH CLEAR		7.0
1640	0226	164034	76° 42.945	178° 58.128	7.0
TRACE METAL TOW FOR 3 MINUTES AT 3 KNOTS. NO MVP CASTS FOR TOW.					
	03		1.047°C	- RECOVERED FISH	
				NEW TEMP + DEPTH ON DECK	
END TOW #11					

NEED
LEFT
FILE
SHORT
CAST

Page of

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 22 Jan 2012

Event #: 0242

Time (local): 0652

Time (GMT): 0752

MVP Tow: 12

Depth on Deck: 0.3

Temp. on Deck: -1.047

Survey Line: ROSS BANK TO ICE SHELF

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
1805	0227	180500	76° 44.343	179° 15.918	7.1
1810	0228	181018			6.9
1815	0229	181557			6.9
1821	0230	182135			6.9
1828	0231	182807			6.7
	0232	→ TERMINATED ON DEPTN SPIKE			
1838	0233	183823			7.0
1849	0234	184949	76° 47.547	178° 58.821	6.9
1903	0235	190340			6.9
1916	0236	191604			6.6
1928	0237	192822			6.8
1940	0238	194044			6.6
1953	0239	195321			6.6
2005	0240	200551	76° 52.787	178° 29.364	6.8
2017	0241	201740			6.7
2029	0242	202941			6.8
2042	0243	204218			6.8
2054	0244	205435	76° 56.22'S	178° 10.38'E	6.7
2106	0245	210637			6.8
2118	0246	211838			6.9
2130	0247	213047			7.0
2142	0248	214259	76° 59.67'S	177° 51.55'E	7.0
2155	0249	215535			7.0
2208	0250	220826			7.1
2221	0251	222106			7.2
2233	0252	223349			7.1
2246	0253	224654			7.0
2300	0254	230010			6.9
2312	0255	231249	77° 06.29'S	177° 14.84'E	7.1
2325	0256	232514			7.1

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 22 Jan 2012 Event #: 0242
 Time (local): 0652 Time (GMT): 1752 MVP Tow: 12
 Depth on Deck: 0.3 Temp. on Deck: -1.047
 Survey Line: ROSS BANK TO ICE SHELF

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\
 MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
2337	0257	233742	77° 08.09'S	177° 04.33'E	7.2
2349	0258	234958			7.0
0002	0259	000222			7.0
0014	0260	001442			6.9
0026	0261	002650	77° 11.64'S	176° 44.63'E	6.8
0038	0262	003849			6.6
0050	0263	005053			6.7
0103	0264	010336	77° 14.18'S	176° 30.03'E	6.8
0115	0265	011530			6.8
0127	0266	012722			6.9
0139	0267	013931			6.8
0151	0268	015128			6.9
0203	0269	020306			6.9
0214	0270	021458	77° 19.28'S	176° 01.16'E	7.0
0226	0271	022643			7.0
0238	0272	023849			7.2
0251	0273	025112			7.3
0302	0274	030258	77° 22.50'S	175° 39.76'E	7.3
0328	0275	032815			6.4
0340	0276	034022	77° 25.73'S	175° 38.27'E	6.9
0400	0277	040059			6.7
0412	0278	041238			6.8
0432	0279	043243			6.9
0446	0280	044654			6.8
0502	0281	050257	77° 33.19'S	175° 59.97'E	5.0
0514	0282	051419			4.2
0525	0283	052549			4.2
0540	0284	054035			6.1
0552	0285	055214			6.8
0603	0286	060357			6.6

Turn to port at ice shelf

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 22 Jan 2012 Event #: 0242
 Time (local): 0652 Time (GMT): 1752 MVP Tow: 12
 Depth on Deck: 0.3 Temp. on Deck: -1.047
 Survey Line: Ross Bank to Ross Ice Shelf

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
0616	0287	061638	77° 37.31'S	176° 22.55'E	6.8
0628	0288	062813			7.0
0640	0289	064006			7.3
0652	0290	065211			7.4
0704	0291	070451			3.7
0716	0292	071655	77° 41.08'S	176° 46.77'E	6.9
0729	0293	072950			6.8
0741	0294	074131			6.7
0753	0295	075339			6.7
0805	0296	080530	77° 43.61'S	177° 08.41'E	4.0
0817	0297	081734			6.8
0829	0298	082927			6.8
0841	0299	084138	77° 44.75'S	177° 25.98'E	6.8
0854	0300	085420			6.8
0908	0301	090831			6.0
0920	0302	092049			7.0
0933	0303	093328	77° 44.90'S	177° 51.95'E	7.1
0948	0304	094830			7.4
1016	0305	101612			6.8
1028	0306	102848	77° 44.69'S	178° 19.09'E	7.1
1040	0307	104042			6.7
1053	0308	105309			6.6
1110	0309	111021			5.8
1125	0310	112512			6.7
1137	0311	113749			6.8
1150	0312	115027	77° 45.243	178° 59.330	7.1
1210	0313	121057			6.1
1226	0314	122626			6.7
1238	0315	123826			6.8
1250	0316	125039			6.6

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 22 Sep 2012 Event #: 0242
Time (local): 0652 Time (GMT): 1752 MVP Tow: 12
Depth on Deck: 0.3 Temp. on Deck: -1.047
Survey Line: ROSS BANK TO ROSS ICE SHELF

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 23 Jan 2012

Event #: 0269

Time (local): 0506

Time (GMT): 1606

MVP Tow: 13

Depth on Deck: +0.3 m

Temp. on Deck: -2.15°C

Survey Line: Russ Ice Shelf

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 23 Jan 2012

Event #: 0283

Time (local): 10:25Time (GMT): 2425MVP Tow: 14

Depth on Deck: 0.3

Temp. on Deck: -0.543

Survey Line: East end of Ross Ice Shelf Line to High Biomass Station and then offshore

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

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no
ml
file

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 29 Jan 2012

Event #: 383

Time (local): 0140

Time (GMT): 1240MVP Tow: 15

Depth on Deck: 0.3

Temp. on Deck: -1.645

Survey Line: Station 79 - 80 (JOE'S MOUTH)

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

* MUP COPY WILL NOT START. SAME ISSUE AS LAST TIME

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 29 JAN 2012 Event #: 387
Time (local): 0411 Time (GMT): 1515 MVP Tow: 16
Depth on Deck: 0.3 Temp. on Deck: -2.050
Survey Line: STATION 80 - STATION 81 (JAMES NAUGHT)

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01_____

MVP File Name: C:\NBP12-01\

[illegible]Page 1 of 1

* Still no map copy.

① Got em stop Bf messenger DETECTED and yeast - Release manually.

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 29 Jul 2012

Event #: 390

Time (local): 0700

Time (GMT): 1800

MVP Tow: 17

Depth on Deck: 0.3

Temp. on Deck: -2.156

Survey Line: STATION 01 - STATION 02 (JOHNS TROUGH)

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01_____

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 29 Jul 2012

Event #: 396

Time (local): 10:50

Time (GMT): 21:50

MVP Tow: 18

Depth on Deck: 0.4

Temp. on Deck: +1.3

Survey Line: Station 82 TO Station 83 JONES TRANCH

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 29 Jan 2012 Event #: _____
Time (local): _____ Time (GMT): 0035 MVP Tow: 19
Depth on Deck: 0.5 Temp. on Deck: ~~2.55~~ 3.579
Survey Line: Fennell Bank to Mawson Bank

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 29 Jan 2012

Event #: _____

Time (local): _____

Time (GMT): 0253

MVP Tow: 20

Depth on Deck: +0.4 m

Temp. on Deck: -0.49°C

Survey Line: Pennel Bank to Mawson Bank.

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 29 Jan 2012

Event #: _____

Time (local): _____

Time (GMT): 0655MVP Tow: 21

Depth on Deck: _____

Temp. on Deck: _____

Survey Line: Mawson Bank (North to South)

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 30 Jan 2012

Event #: 414

Time (local): 1745 0145

Time (GMT): 0045 1245

MVP Tow: 22

Depth on Deck: 0.2

Temp. on Deck: -2.806

Survey Line: STATION 86 TO STATION 87

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 30 Jan 2012

Event #: 417

Time (local): 15:22Time (GMT): 15:20MVP Tow: 23

Depth on Deck: 0.2

Temp. on Deck: -2.31°

Survey Line: STATION 87 - STATION 88

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 30 JAN 2012

Event #: 420

Time (local): 0645

Time (GMT): 1745MVP Tow: 24

Depth on Deck: 0.2

Temp. on Deck: -1.589°C

Survey Line: STATION 88 TO STATION 89

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 30 Jan 2012 Event #: _____
Time (local): 10:44 Time (GMT): 21:44 MVP Tow: 25
Depth on Deck: 0.3 Temp. on Deck: -0.972
Survey Line: STATION 89 TO STATION 90

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 30 Jan 2012

Event #: _____

Time (local): _____

Time (GMT): 0031

MVP Tow: 26

Depth on Deck: 0.3m

Temp. on Deck: -0.7°C

Survey Line: Station 90 to Station 91

LOPC: Grey

CTD: 7799Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 30 Jan 2012

Event #:

Time (local):

Time (GMT): 0252

MVP Tow: 2.7

Depth on Deck: + 0.2 m

Temp. on Deck: -1.4°C

Survey Line: Station 91 to Station 92

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

[illegible]

MVP 200 Log Sheet

Cruise #: NBP12-01 Date: 30 Jan 2012 Event #: 440
 Time (local): _____ Time (GMT): 0647 MVP Tow: 28
 Depth on Deck: +0.3m Temp. on Deck: -0.4°C
 Survey Line: Pennell Bank to Low Biomass area (east of Eddy3)

LOPC: Grey CTD: 7799 Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\
 MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
0702	0471	070243	74° 30.64'S	177° 27.86'E	7.0
0712	0472	071229			6.9
0724	0473	072621	Winch controller lost or upcast		7.0
0736	0474	073548	74° 34.11'S	177° 22.96'E	6.9
0746	0475	074645			6.8
0811	0476	081143			7.0
0823	0477	082309			7.2
0835	0478	083502	74° 39.83'S	177° 14.99'E	6.9
0846	0479	084655			6.8
0907	0480	090747			6.6
0919	0481	091931			7.2
0932	0482	093210	74° 45.63'S	177° 07.32'E	7.0
0944	0483	094412			7.0
1024	0484	102434			7.0
11035	0485	103539	74° 51.17'S	176° 59.41'E	6.7
1047	0486	104742			6.8
1115	0487	111538			6.3
1127	0488	112709			6.9
1139	0489	113843			7.0
1150	0490	115022			6.8
1213	0491	121353			6.4
1225	0492	122527			6.9
1237	0493	123726			6.8
1250	0494	125018			6.7
1322	0495	132227	75° 06.704	176° 36.791	6.4
1334	0496	133445			7.0
1346	0497	134640			7.0
1407	0498	140756			7.1
1420	0499	142001			7.2
1432	0500	143244			6.9

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 30 JAN 2012

Event #: 440

Time (local): _____

Time (GMT): 0647

MVP Tow: 28

Depth on Deck: 0.3m

Temp. on Deck: -0.4°C

Survey Line: PENHILL BANK TO LOW BIO MASS AREA (LB1) EAST OF EDDY 3

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01\

MVP File Name: C:\NBP12-01\

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
1445	0501	144514			6.9
1517	0502	151725			6.7
1529	0503	152904			7.1
1541	0504	154131			7.0
1616	0505	161631	75° 23.737	176° 11.699	6.5
1628	0506	162838			6.9
1641	0507	164124			6.9
1707	0508	170755			6.9
1720	0509	172022			7.0
1733	0510	173324			7.3
1750	0511	175044			7.2
1812	0512	181247			7.2
1824	0513	182451	75° 37.094	175° 51.599	7.2
1837	0514	183733			7.0
1850	0515	185014			7.1
1910	0516	191041			6.2
1923	0517	192357			7.3
1938	0518	193810			7.1
1951	0519	195124			7.4
2011	0520	201146			6.8
2025	0521	202501			7.5
2038	0522	203813	75° 50.671	175° 30.758	7.5
2112	0523	211247			7.2
2125	0524	212526			7.2
2138	0525	213817			7.5
2205	0526	220509			6.8
2217	0527	221757			7.5
2231	0528	223136			7.6
2245	0529	224504			7.6
2309	0530	230908	76° 06.53'S	175° 06.74'E	6.6

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 30 Jan 2012

Event #: _____

Time (local): _____

Time (GMT): _____

MVP Tow: 28

Depth on Deck: 0.3 m

Temp. on Deck: -0.4°C

Survey Line: Pennell Bark to Low Biomass Area (LBI) east of Eddy 3

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01_____

MVP File Name: C:\NBP12-01\

[illegible]

0716 UTC

Event #:

MVP Tow: 29

Temp. on Deck: $+4.1^{\circ}\text{C}$

Survey Line: Low Biomass to High Biomass

Fluorometer: FLRT-2371

C:\NBP12-01

C: \NBP12-01

END of Tow.

MVP 200 Log Sheet

Cruise #: HBP 12-01

Date: 01 FEB 2012

Event #: 0487

Time (local): 0340

Time (GMT): 1440MVP Tow: 30

Depth on Deck: 03

Temp. on Deck: -1.862

Survey Line: HIGHBIOMASS TO ICE EDGE

LOPC: GreyCTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBPR-01

MVP File Name: C:\VBP\12-01

[illegible]

MVP 200 Log Sheet

Cruise #: NB 12-01

Date: 02 FEB 2012

Event #: 507

Time (local): 0857

Time (GMT): 1957MVP Tow: 31

Depth on Deck: 0.3

Temp. on Deck: -2.097

Survey Line: ICE EDGE TO FRANKLIN ISLAND.

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01

MVP File Name: C:\NBP12-01

[illegible]

MVP 200 Log Sheet

Cruise #: 458 12-01

Date: 02 FEB 2012

Event #: 509

Time (local): 10:26

Time (GMT): 21:26

MVP Tow: 32

Depth on Deck: 0.3

Temp. on Deck: -2.350

Survey Line: ICE FIELD TO FRANKLIN ISLAND CONTINUED.

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBF12-01

MVP File Name: C:\NBP12-01

[illegible]

MVP 200 Log Sheet

Cruise #: NBP 12-01

Date: 03 Feb 2012

Event #:

Time (local): 2:30

Time (GMT): 1330

MVP Tow: 33

Depth on Deck: 0.1

Temp. on Deck: -4.541

Survey Line: STATION 105 TO STATION 106

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01

MVP File Name: C:\NBP\2-01

Time	MVP File	LOPC File	Latitude	Longitude	Ship Speed
1336	590	133601	76°34.319	169°00.602	7.6
TOW ABORTED DO TO WEATHER + SEA STATE					
Along, WITH E-Steps FROM CRUISE					
FREEZING.					

MVP 200 Log Sheet

Cruise #: NBP12-01

Date: 04 Feb 2012

Event #:

Time (local): 2308

Time (GMT): 1008

MVP Tow: 34

Depth on Deck: 6.4 m

Temp. on Deck: -2.78

Survey Line: Sea Horse Pickup to Sta

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NBP12-01

MVP File Name: C:\NBP12-01

[illegible]

MVP 200 Log Sheet

Cruise #: _____

Date: 07/08/2022

Event #: _____

Time (local): 0516

Time (GMT): 16:16

MVP Tow: 35

Depth on Deck: 0.2

Temp. on Deck: -3.

Survey Line: LA 1204

LOPC: Grey

CTD: 7799

Fluorometer: FLRT-2371

LOPC File Name: C:\NSP12-01

MVP File Name: C:\NBP12-01

[illegible]