

Table 3: Draft list of deck operations to be carried out at sampling stations during Leg 3 of the 2014 CCGS *Amundsen* Expedition.

Station type (symbol)	Duration of operations	Sampling operations
CTD (C)	~30 minutes	<ol style="list-style-type: none"> 1. Bottom-surface profiles of temperature, salinity, light transmittance, PAR, chlorophyll <i>a</i> fluorescence, oxygen and currents using the Seabird 911+ profiler with LADCP (1 CTD cast = 30 min). No water sampling
CTD + Nutrients (N)	1 hr	<p><u>Same as CTD +</u></p> <ol style="list-style-type: none"> 1. Rosette sampling for high-resolution profile of nutrients and CH₄ water content analyses.
BASIC (B)	Up to 6 hrs	<p><u>Same as CTD-Nutrients +</u></p> <ol style="list-style-type: none"> 1. Additional Rosette sampling for DOC, DIC, contaminants, nutrients, total and fractionated Chl <i>a</i> and CDOM, phytoplankton absorption, total suspended matter, HPLC, FISH, DNA, RNA, pigment content, fatty acid markers (1 additional CTD-Rosette casts = 1 hr) 2. Light profiles with PNF and Secchi disk (30 min) 3. Box coring of bottom sediments (1 deployment = 45 min). 4. Deployment of Agassiz sledge for sampling the epibenthic fauna (1 deployment = 45 min) 5. 6-Net Vertical Sampler (6NVS) tow for the determination of zooplankton and ichthyoplankton densities (1 vertical tow = 45 min) 6. Double Square Net (DSN) tow for the determination of zooplankton and ichthyoplankton densities (1 horizontal net tow = 45 min)
Full (F)	Up to 12 hours	<p><u>Same as Basic (~6 hrs) +</u></p> <ol style="list-style-type: none"> 1. 2 additional CTD-Rosette deployments (2 hrs) 2. Hydrobios deployment (1 hr) 3. Bioness deployment (1 hr) 4. IKMT deployment (45 min) 5. Light-frame On-sight Key-species Investigation (LOKI) deployment (1 deployment = 1 hr) 6. MOKI zooplankton recorder deployment (1 deployment = 1 h)

Additional information for operations on Leg 3:

1. Bathymetric survey offshore Scott Inlet (approx. 15 hrs);
2. Piston coring operations offshore Scott Inlet;
3. Coring operations at Basic station in Scott Inlet;
4. Triplicate box core at Full station #170 for contaminant group;
5. Piston corer or gravity corer deployment at 1 selected station in each of 3 Baffin Island fjords;
6. Opportunistic deployment of benthic beam trawl;
7. Launch of radiosondes (underway operation);
8. From Kugluktuk to Iqaluit, the CCGS *Amundsen* will host the ArcticNet Schools on Board program.