

Table 1: Events and number of measurements made on three iceberg cruises in the NW Weddell and Scotia Seas from December 2005 through April 2009.

Events/Measurements	Iceberg I (Dec 2005)	Iceberg II (Jun 2008)	Iceberg III (Mar/Apr 2009)
Iceberg Tracking/Enumeration			
Satellite	?	?	?
Ship-based Radar	2	4	8
Iceberg Configuration			
Ship Circumnavigation	11	9	5
Laser Ranging	20	8	5
Acoustic Imaging			
Pole Mounted (Biosonics)	4		
Pole Mounted (Reson)		7	
Tow-fish (Biosonics)	15		
UAV Photo-imaging		3	3
Temperature and Salinity			
XBTs	39	37	52
CTD/Rosette	54	52	65
ROV/CTD			15
Underway Surface Pumping	54	36	27
Ice and Rock Sampling	2	2	3
Trace Metals, Nutrients, and Isotopes			
Underway Surface Pumping	54	36	27
CTD/Rosette	54	52	41
Deep Pumping on CTD/Rosette	7		
Trace Metal Clean Bottles		3	18
ROV Pumping		3	4
Shallow Tow-fish		14	14
Deep Tow-fish		2	2
Upwelling/Downwelling Light			
Profiling Reflectance Radiometer		1	4
Fluorescence and Chlorophyll			
CTD/Rosette	54	52	41
Underway Surface Pumping	32	21	16
ROV/Fluorometer		5	15
Dissolved Organic Carbon			
CTD/Rosette	54	52	41
Underway Surface Pumping	32	21	16
ROV Pumping		4	5
Micro-Organism Sampling			
Underway Surface Pumping		21	16
CTD/Rosette		52	41
Trace Metal Clean Bottles		4	19
ROV Pumping		4	5
Shallow Tow-fish		10	12
Deep Tow-fish		2	2
Algae (Phytoplankton, Ice Attached)			
CTD/Rosette	54	52	41
Net Sampling	2	59	49
ROV Imaging/Sampling/Pumping	8	5	15
Underway Surface Pumping	32	21	16
Deep Pumping on CTD/Rosette	7		
Shallow Tow-fish		10	12
Zooplankton/Micronekton			
MOCNESS 10 m ² , Sampling	11	12	12
MOCNESS 1 m ² , Sampling	2		3
Tucker Trawl 1 m ² , Sampling		2	
ROV Imaging/Sampling	8	5	15
Sinking Particulate Matter			
Lagrangian Sediment Traps(drone)		1(1)	4
Bird/Mammal Survey	28	7	3