SIBClim-BASICS activities @ SIMBA 2007	**Belgian Labs**	**Other Labs**
Ice sampling	GLACIOL	
Energy fluxes	UCL, GLACIOL	UTSA, DRI, CRREL
SW down		
LW down		
LW up		
Albedo		
Air temp., humidity, pressure (sensible/latent heat)		
Oceanic heat fluxes		
PAR		
Snow properties	UCL	
Thickness (incl. spatial variability)		
Temperature		
Density		
Ice properties		UTSA
Temperature	GLACIOL	
Bulk salinity	GLACIOL	
$\delta^{18}O$		ACE-CRC (Worby T.)
ice texture and fabrics	GLACIOL	
Gases in ice		
O_2	GLACIOL	
N_2	GLACIOL	
CO_2	GLACIOL	
CH_4	GLACIOL	
DMS	GLACIOL	
Isoprene	GLACIOL	
CO_2 and O_2 diss. in brines (4-6 depths) and under ice water (5 depths)		O&F, CEOS, DRI
pCO_2	COU	
Total alkalinity	COU	
DIC	COU	
Dissolved O_2	COU	
CO_2 fluxes @ Air/ice interface (bell)	COU	LDEO
underway CO_2 meas. (continuous) in seawater	COU	
$CaCO_3$ filtration (ice)	COU	
CO_2, DMS fluxes @ air/ice interface (Eddy)		CEOS
Trace metals (Fe, Mn, Al, possibly others)		
TDTM	ESA/LOCGE	
PTM (>0.2µM)	ESA/LOCGE	
TM (<0,2 µM)	ESA/LOCGE	
TM (0,2-10kDa)	ESA/LOCGE	
TM (10-1kDa)	ESA/LOCGE	
Fe isotopes (ice, brine, snow, under ice water)	DSTE	
Organic matter		DRI
POC/PON	ESA/LOCGE	
DOC/DON	ESA/LOCGE	
DOC (0,2-10kDa)	ESA/LOCGE	
DOC (10-1kDa)	ESA/LOCGE	
TEP- APS	ESA	
Uronic acids diss& part	ESA	
p-TCHO, monosaccharides & polysaccharides diss, amino-acids	ESA	
DMSP(O)	GLACIOL	
Organisms-stocks		DRI
Bacteria enumeration and biomass	ESA	
Bacterial diversity (DGGE, Fish)	ESA	
Algae enumeration and biomass	ESA	
Protozoa enumeration and biomasss	ESA	
Chl-a	ESA	
Viability	ESA	
Organisms-activities		DRI
Bacterial production	ESA	
Bacterial ectoenzymatic activity	ESA	
Bacterial respiration	ESA	
^{55}Fe uptake & ^{14}C uptake	ESA	
Addition of artificial organic complexes ^{55}Fe uptake&14C uptake &bacterial production.	ESA	
Nutrients		DRI
Nutrients (NO_3, NO_2, NH_4, Si)	LOCGE	
Biogenic Si	LOCGE	
Si isotopes	MRAC	
SW parameters (3 depths: interface, ML, under ML)		DRI
phytoplankton (speciation, biomass)	ESA	
bacteria (biomass)	ESA	
microzooplankton	ESA/LOCGE	
nutrients	ESA/LOCGE	
Organic matter	ESA/LOCGE	
Fe	ESA/LOCGE	
DMSP/O	GLACIOL	

GLACIOL = Glaciology, Université Libre de Bruxelles (Be)
ACE-CRC - Antarctic Climate and Ecosystems (Au)
UCL = Inst. Georges Lemaître, Université Catholique de Louvain (Be)
DRI = Desert Research Institute (US)
UTSA = University of Texas, San Antonio (US)
CRREL = Cold Regions Research Engineering Laboratory (US)
COU = Chemical Oceanography Unit, Université de Liège (Be)
O&F = Ocean and Fisheries (Can)
CEOS = Center of Earth Observation Sciences, University of Manitoba (Can)
LDEO = Lamont Doherty Earth Observatory (US)
ESA = Ecology of Aquatic Systems (Be)
LOCGE = Laboratory of Chemical Oceanography and water Geochemistry, ULB (Be)
DSTE = Department of Earth and Environmental Sciences, ULB (Be)
MRAC = Musée Royal d'Afrique Centrale (Be)