

**Sampling schemes for instruments in
Massachusetts Bay Internal Wave Experiment**

Site	Mooring type	Instrument type	Sampling interval	Variables and sampling scheme
A	Surface	Seacat	60 s	One sample of T, C every 60 s
B	Surface	t-pod	120 sec	
B	Tripod	ADCP	60 s	Average of 60 one-second pings every 60 s in 2 m bins
		MIDAS	60 s	60 s averages of V (BASS) and P at .5 Hz. Single sample of T, C and Tr every 60 s.
B	Horizontal Mooring	FSI	90 s	Single sample of T at end of interval
		SBE	15 s	T,
		tpod	120 s	T,
B	Subsurface			
		VMCM	60 s	One sample of vector-averaged V every 60 s; T every 60 at end of sampling interval
C	Surface	MicroCat	15 s	T, C
C	Tripod	ADCP	60 s	Average of 60 one-second pings every 60 s in 2 m bins.
		Camera	1 hour	Single picture
C	Subsurface	MicroCat	15 s	T,C

Variables Key: C = Conductivity; P = Pressure; T = Temperature; Tr = Light transmission; V = Current velocity.

Instrument Key: ADCP = Acoustic Doppler current Profiler; Camera = Benthos 35 mm camera; FSI = Falmouth Scientific, Inc.; MIDAS = USGS Multiparameter Intelligent Data Logging System; SBE = Sea Bird Electronics; tpod = ; VMCM = Vector Measuring Current Meter