

Table 4. Summary of sampling schemes for instruments at sites LT-A and LT-B.

[Variables: C, conductivity; D, current direction; P, pressure; S, current speed; T, temperature; Tr, light transmission; V, current velocity.

Instruments: ADCP, acoustic Doppler current profiler; ADV, acoustic Doppler velocimeter; DLCM, data logging current meter; MIDAS, U.S. Geological Survey Multiparameter intelligent data logging system; VMCM, vector measuring current meter.

Units: Hz, hertz; m, meters; s, seconds]

Site	Mooring type	Instrument type	Sampling interval	Variables and sampling scheme
LT-A	Surface or subsurface	Microcat	300 s	One sample of T and C every 300 s.
		VMCM (1989–2002)	225 s	Vector-averaged V every 225 s; one sample of T and C every 225 s.
		VMCM (2002–2006)	60 s	Vector-averaged V every 60 s; one sample of T and C every 60 s.
		SEACAT	300 s	One sample of T, C, and Tr every 300 s.
		Time-series trap	9 days	Sediment in collection bottles.
		Tube trap	Deployment	Sediment collected in trap over entire deployment.
LT-A	Tripod	ADCP	900 s	Average of 300 pings at 1 Hz every 900 s in 2-m bins; one sample of T every 900 s.
		DLCM (1989–1991)	450 s	450-s averages of S and P sampled at 0.5 Hz; bursts of S, D, and P at 0.5 Hz for 72 s or 180 s; one sample of T and C every 450 s.
		MIDAS (1991–2003)	225 s	225-s (or 300 s) averages of V (BASS) and P at 1 Hz (computed in-situ); continuous samples of V (BASS) and P at 1 Hz (saved); one sample of T, C, and Tr every 225 s.
		ADV (2003–2006)	300 s	240-s averages of V at 2 Hz every 300 s.
		Camera	4 or 6 hours	Single picture.
		Tube trap	Deployment	Sediment collected in trap over entire deployment.
LT-B	Subsurface	Microcat	300 s	One sample of T and C every 300 s.
		Tube trap	Deployment	Sediment collected in trap over entire deployment.
		Time-series trap	9 days	Sediment in collection bottles.
LT-B	Tripod	ADCP	900 s	Average of 300 pings at 1 Hz every 900 s in 2-m bins; one sample of T every 900 s.
		SEACAT or MicroCAT	300 s	One sample of T, C, and Tr every 300 s.