

Measurements suite, **University of Maine:**

Measurement	Instrument	Frequency	Notes
Hyper-Spectral particulate absorption and attenuation	WETLabs AC-S	Minute bins, 50 min of every hour.	Surface only (inline) Dissolved properties every hour possible if discrete samples are collected daily (e.g. Nelson)
Spectral backscattering	WETLabsBB-3	Minute bins, 50 min of every hour.	Surface only (inline)
Dissolved and chlorophyll fluorescence	WETLabs WETSTAR	Minute bins, 50min of every hour.	Surface only (inline)
Profiles of CTD, PAR, O ₂ , b _{bp} (700), Fchl.	3 NAVIS floats + 2 Webb floats	User specified.	Collaborate with MIT to add c _p to two floats for flux measurements.
Abundance and composition of large particles (> 100 μm). (can be used to estimate flux)	UVP5	On CTD rosette, ~15frames/sec. Sampling volume 1L per image/frame	Vertical profile
b _{bp} (700), Fchl.	FLNTU	On CTD rosette	Cross-calibrate with floats
Phytoplakton: taxonomic composition and size	McClane Imaging Flowcytobot	On in line system and running samples from rosette	