

NOSAMS: Laboratory Capabilities

The [Sample Preparation Lab](#) at NOSAMS has facilities to process almost any carbon containing organic carbon samples, we are equipped to process DIC and DOC in water samples.

There is also a well equipped [lab](#) for the separation and collection of compounds for compound-specific radiocarbon analysis (CSRA). Ancillary measurements of ^{13}C and ^{18}O are provided by two stable isotope mass spectrometers.

Related Links

- » [Sample Preparation Lab](#)
- » [The AMS Instruments](#)
- » [Associated Instruments](#)

After conversion to graphite, samples are analysed either on our 3MV tandetron [AMS](#) or our 500kV pelletron AMS. The pelletron is equipped with a microwave plasma gas ion source interfaced to various inlet technologies, including a gas bench for analysis of carbonates, and a gas chromatograph for compound-specific analysis.

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