

## Bruker User Library Submission

# NOAH Experiments with Non-Uniform Sampling (NUS)

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**Section:** liquids

**Abstract** This package contains a new python script called `noah_nus` for setting up NOAH experiments with non-uniform sampling (NUS) and a revised set of NOAH processing au-programs for automatic processing of NOAH data recorded with NUS. Setting up the NOAH-NUS experiments is extremely simple and involves just two extra steps – selecting the NUS sparsity (NusAMOUNT parameter) and executing the `noah_nus` python script. This is updated version fixing the `splitx_au` code for TS4.

**Keywords:** NUS, NOAH, supersequences, structure elucidation, fast techniques.

**Contents:** python script, au-programs, and README file.

**Reference:** M. Billeter and V. Y. Orekhov (eds) (2012) Novel Sampling Approaches in Higher Dimensional NMR: *topics in current chemistry*, vol 316., Springer, Heidelberg, Dordrecht, London, New York.

**Compatibility:** Avance III, Avance NEO, TS3, TS4.

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