

KJM 5250 and KJM 9250 HSQC-TOCSY, HSQC-NOESY etc, trial Experiments/pp's on the AVneo400 Spectrometer. This document is uncompleted.

Version 3.1 Topspin 4.3



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aw Coded HSQC-TOCSY, etc, Trial Experiments/pp's on the Neo-400.

The following aw coded pp's and experiments have been created and trial run (with limited increments and moderate to OK signal to noise) on the Neo-400. However, as yet, parameter sets have NOT (as yet) been created from these experiments since their set ups have not been optimized.

awHQSC-TOCY	With positive HSQC and TOCSY peals
awHSQC-DIPSI2.45	With positive HSQC and DIPSI2 peaks
awHSQC-DIPSI2.135	With positive CH and DIPSI2 peaks
	and negative CH2 and DIPSI2 peaks
awHSQSC-DIPSI2.135ed	With opposite DIPSI2 and HSQC peaks
awHSQC-NOESY	With opposite phases for NOESY and HSQC peaks
awHSQC-ROESY	With opposite phases for ROESY and HSQC peaks
awHSQC-ROESY2	With opposite phases for ROESY and HSQC peaks

Copies of the above expts, transformed off line with linear prediction, appear below. The source files are files to be in the norskvi/ xxxxxxx folder on the spectrometer.

Copies of the experiments can be created using *edc --> your folder, data set name and file number*. The titles of some of the set up files have not been adjusted/fixed up. Spectrometer terminal copies of the spectra below have not been optimally phased.

Important: You will need to adjust NS, the number of 2D increments, and linear processing conditions. The signal to noise ratio of NOESY. ROESY and ROESY2 correlations is 1/5 -1/10 that of TOCSY or DIPSI2 correlations.



Reference Neo-400 quinine in D₆-DMSO HSQC spectrum.



File 31 HSQC-TOCSY spectrum.



File 32. HSQC-DIPSI2.45 spectrum



File 34. HSQC-DIPSI2.135 spectrum. Dipsi2 correlations have the same phases as source HSQC correlations.



File 35. HSQC-DIPSI2.135ed spectrum. Dipsi2 correlations have opposite phases to source HSQC correlations.



File 39. HSQC-NOESY spectrum.



File 38. HSQC-ROESY spectrum.



File 37. HSQC-ROESY2 spectrum.