CAVE (ANS, JTB, CUR, KSTAT, LSTAT, JTLMOD, NNS, FL, CURL)

Cave averages NNS spectra together. It keeps the four modes separate and will start a new average if it detects a change in the status word.

ARG	DEFINITION	
ANS(150)	R4	ANS array.
JTB(6)	I2	Time array
CUR(512)	R4	Curents in femptoamps to be averaged.
KSTAT	I2	Assumed status word.
LSTAT	L4	Official status word.
JTLMOD	I2	Type of mode.
NNS	I4	Number of spectra to be averaged.
FL	I4	Flag indicates if average is being returned.
		0 Use average.
		1 Do not use spectra.
CURL	R4	Current levels for 0, 128, 255 digital levels. RMARK in KNTCUR.