Command	FIT
PURPOSE	Execute ft of the specified function to the data
PARAMETERS	
WINDOWS	List of display window names (letter or #) or condition numbers to be considered by the fit. If no windows are specified, the fit region is given by the windows defined by the command "FWIN". Irrespectively of the window limits only displayed data are fitted.
/DATA	Mark the data inside the fit window(s). Also data with zero content and zero error bar are excluded, if they are not considered for the fit.
/LEASTSQ	Fit by the method of least squares. Weighting factors are represented y the reciprocal squares of the experimental errors specified by the command "FERR" or by constants if no errors are given.
/POISSON	Fit by the method of maximum likelihood assuming the data to be Poisson distributed.
/ZEROES	Bins with zero contents are included by the fit. In case of leastsquares fit the weight factor is 1 unless a non zero error is given.
/ERRANAL	Perform a special error analysis for the parameters specified by the commands "FAREA", "FPOS", "FWIDTH", or "FPAR".
/ITER(i)	Maximum number of iterations; default i = 10 or the last quoted number. The fit is interrupted by pressing the BREAK button on the SATAN interface window, even if the number of iterations required is not yet reached. If the fit did not yet converge, it can be continued by entering another FIT command.
/LIST	For each iteration a detailed output is given, comprising true and estimated values of the likelihood function, number of terms processed, l-parameter, condition flag in case of divergence and current values either of fit parameter(s) with the error analysis flag set or of the first non fixed parameter. An extended error analysis for concerned fit parameters is performed. Resulting values of it parameters, errors and correlations are listed.
/NODISP	No display of the fit curve.
EXAMPLE	FIT A B C / I(20) LI Z NOD P Fit the data given by the display windows A, B and C in Poisson fit mode by a maximum of 20 iterations. List results after each iteration. Do not display the fit curve. FIT / E Fit the data of the temporary window excluding zeroes by the default maximum number of iterations. Take the previously defined fit mode. Perform a special error analysis and display the fit curve if the fit was successful.