

- **weight: change weighting used in computing statistic**

Change the weighting function used in the calculation of chi-squared.

Syntax: **weight** [standard | gehrels | churazov | model]

Standard weighting uses \sqrt{N} or the statistical error given in the input spectrum. *Gehrels weighting* uses $1 + \sqrt{N + 0.75}$, a better approximation when N is small (Gehrels, N. 1986, ApJ 303, 336). *Churazov weighting* uses the suggestion of Churazov et al. (1996, ApJ 471, 673) to estimate the weight for a given channel by averaging the counts in surrounding channels. *Model weighting* uses the value of the model, not the data, to estimate the weight.