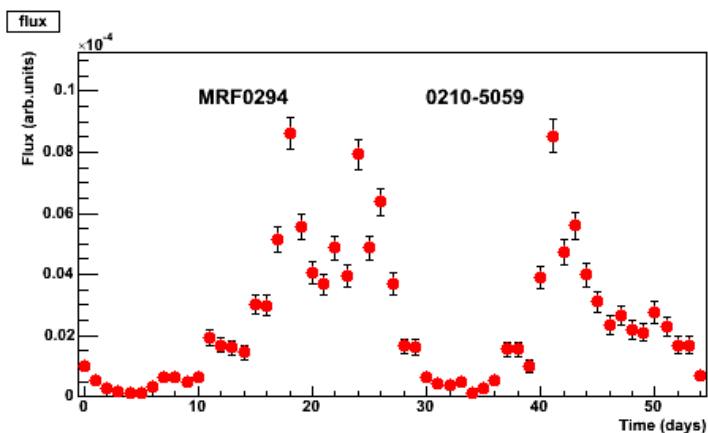
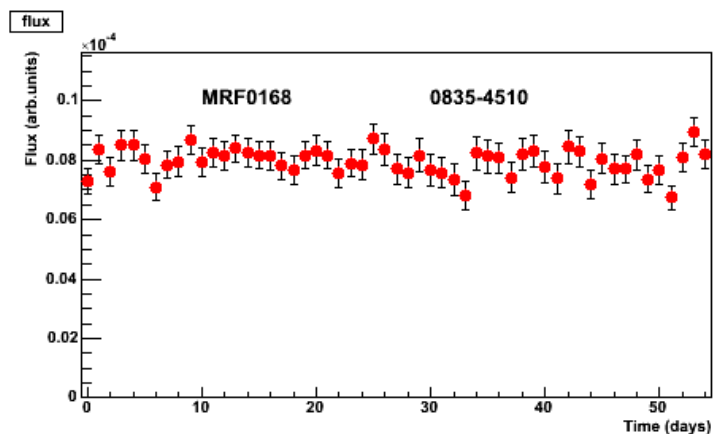
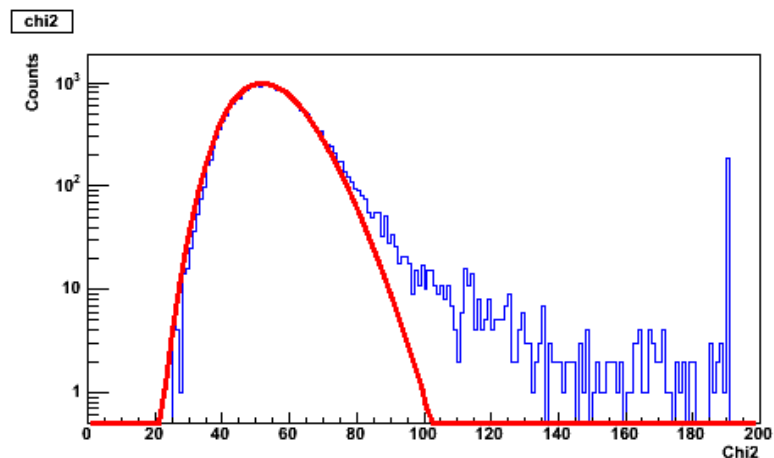


Source variability

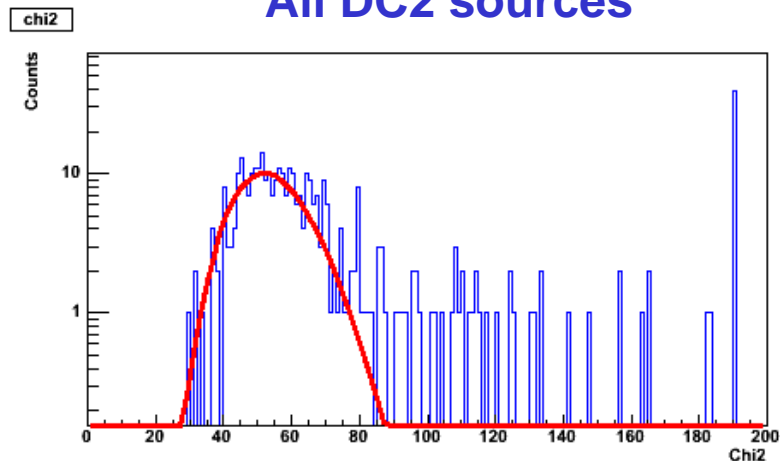
For **non-variable** sources, the **chi-square** distribution behaves as χ^2_{54} if N_{photons} is large enough.

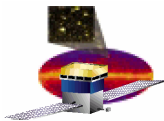


All pixels

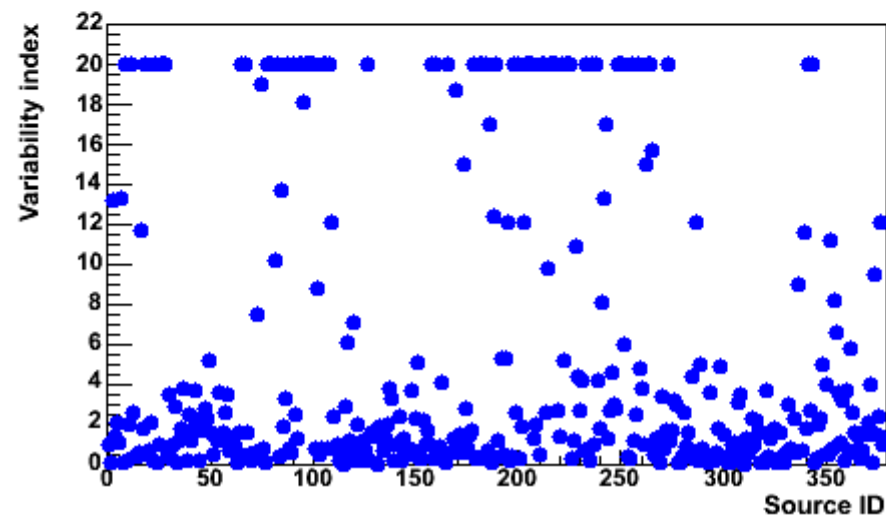
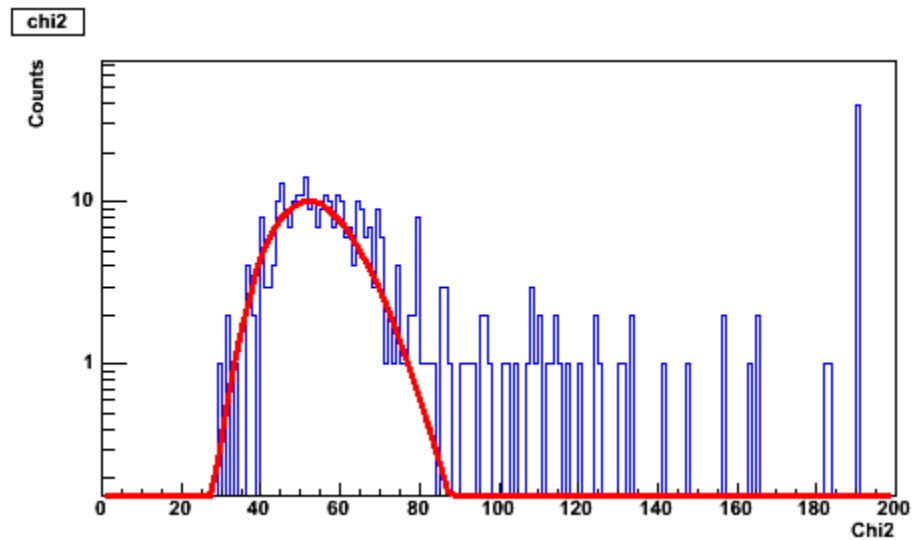
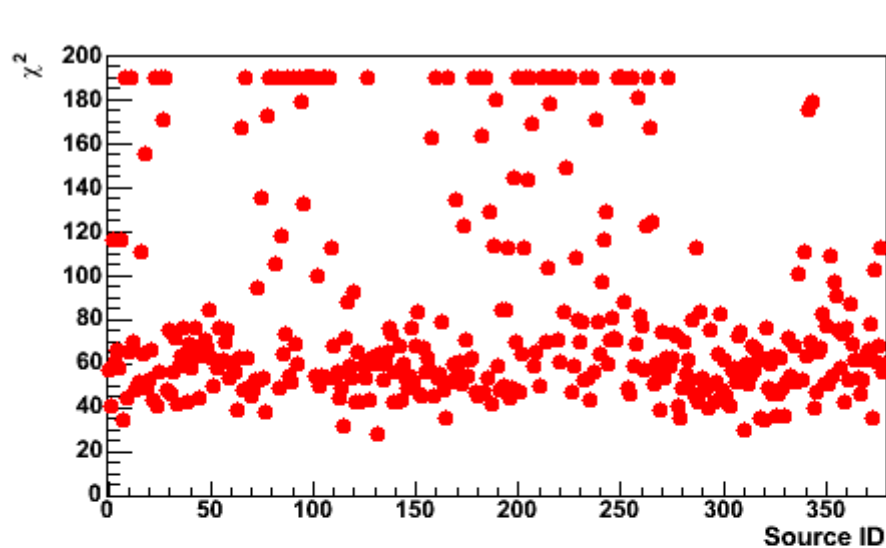


All DC2 sources





Variability index



Variability index:

$$Q = -\log(1 - P(n/2, \chi^2/2))$$

McLaughlin et al. (1996)