

Light curve algorithm

A numerical experiment

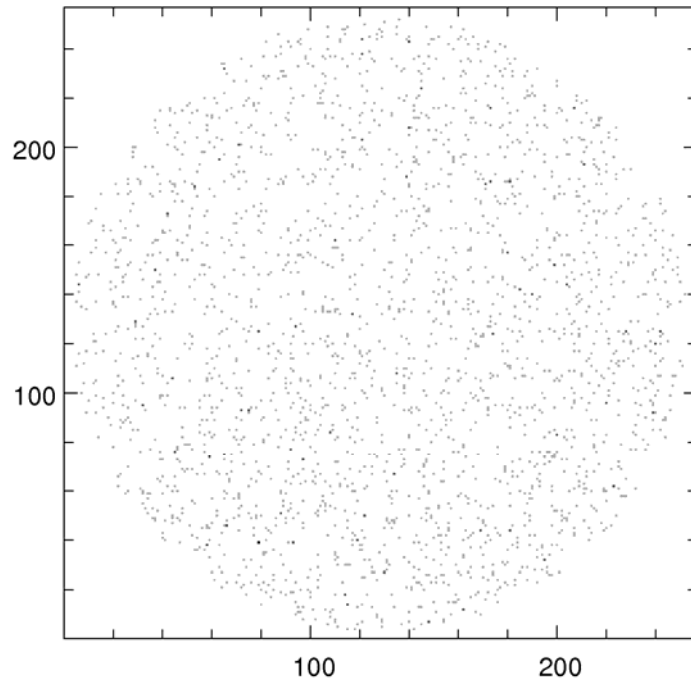
Next 6 slides:

Case with 10 sources + background in 100 time steps of 20 seconds

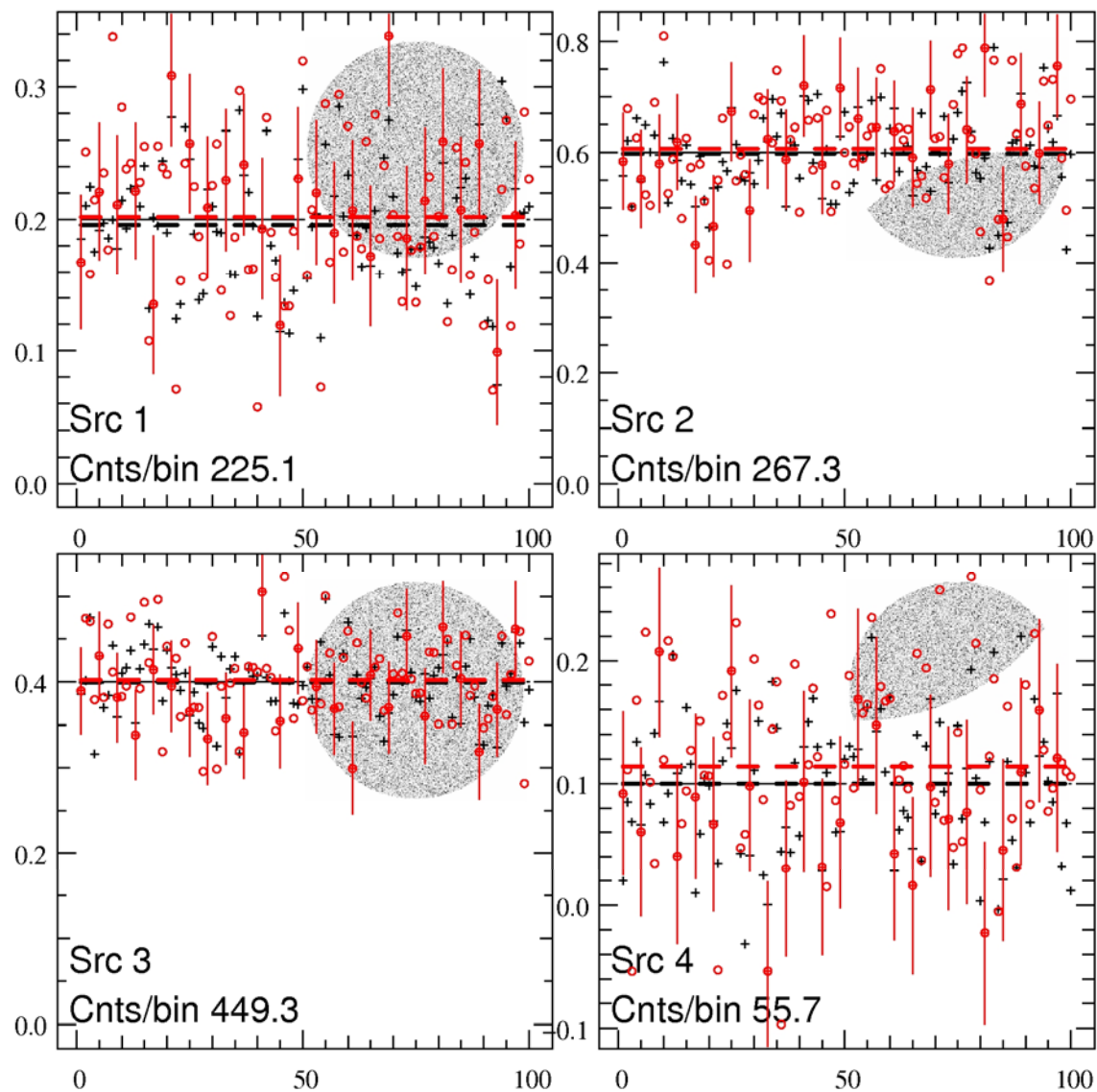
All sources are constant except the background that slowly rises by a factor 1.5

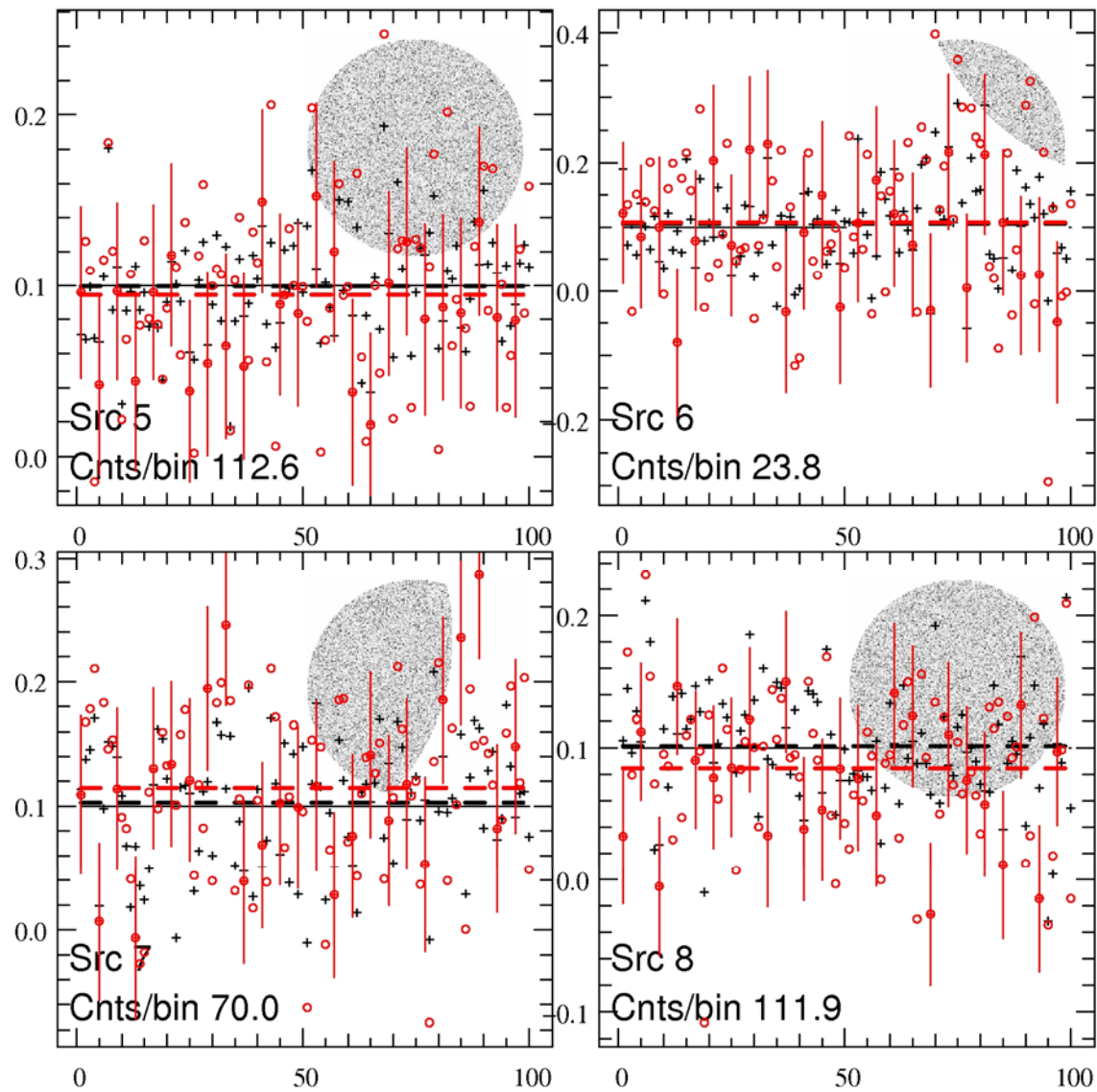
Red curves represent the basic single source approach by NL

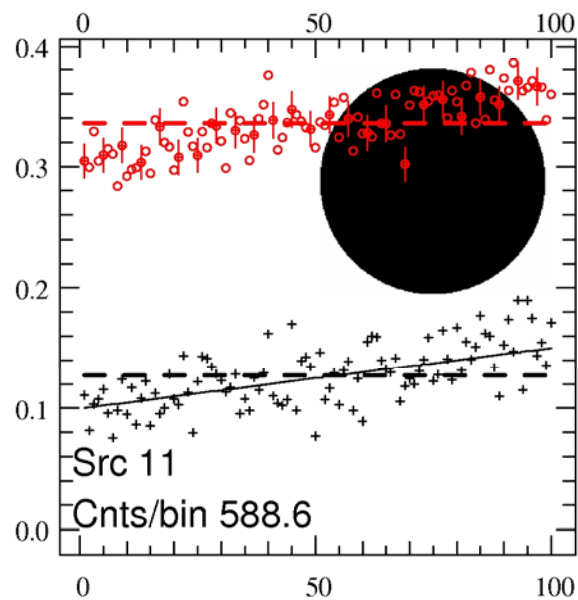
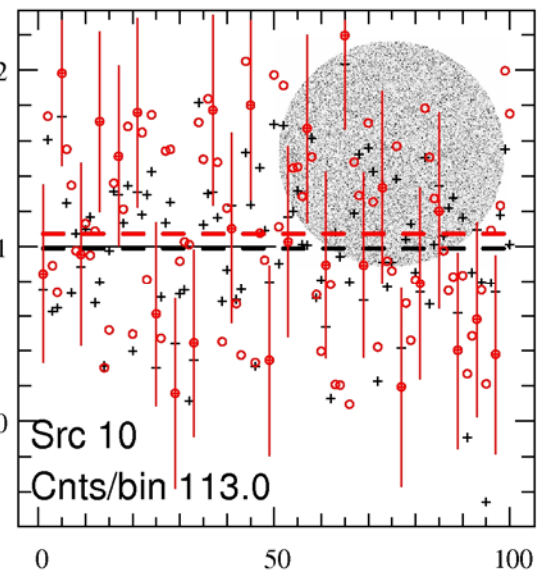
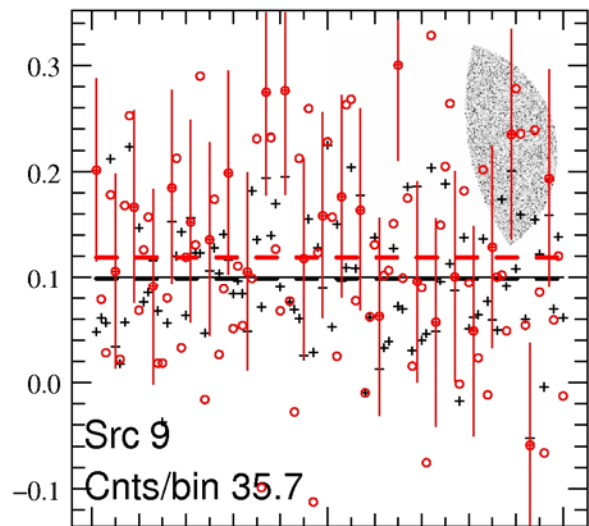
Black curves represent the least square solution

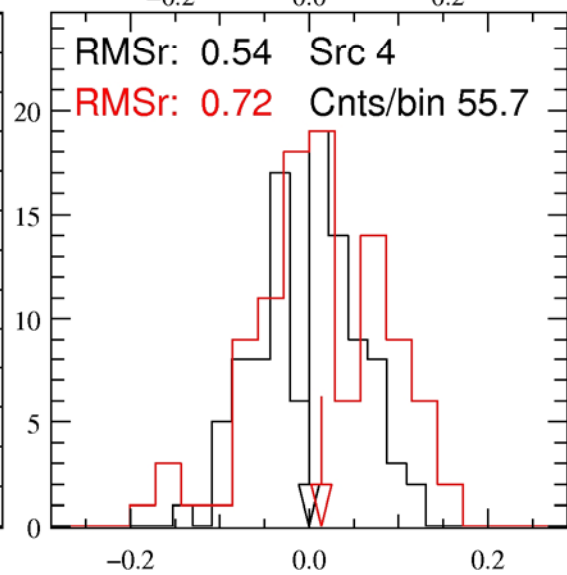
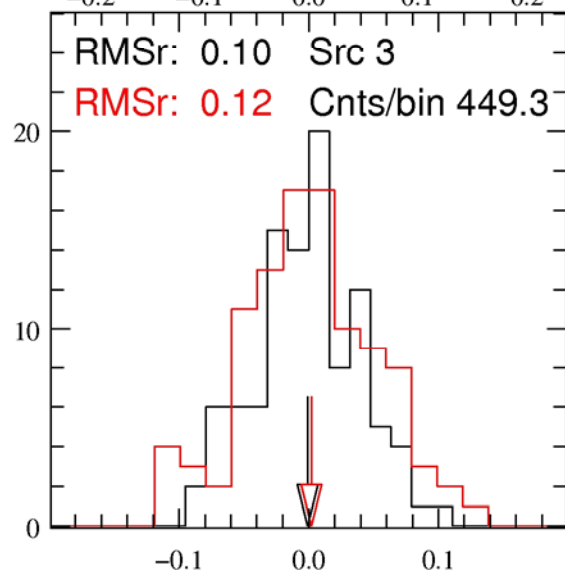
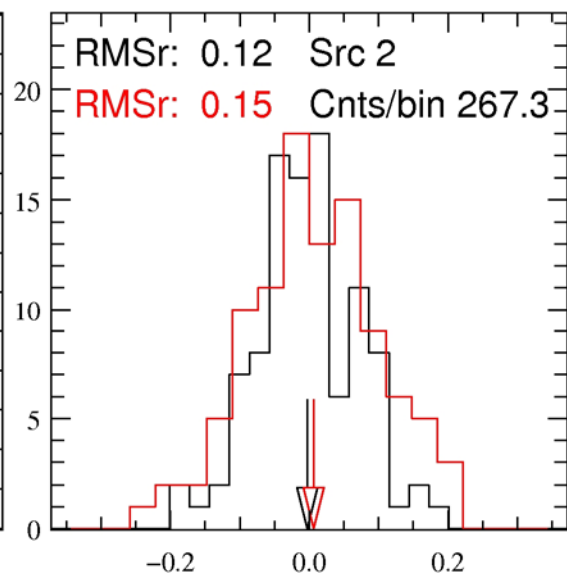
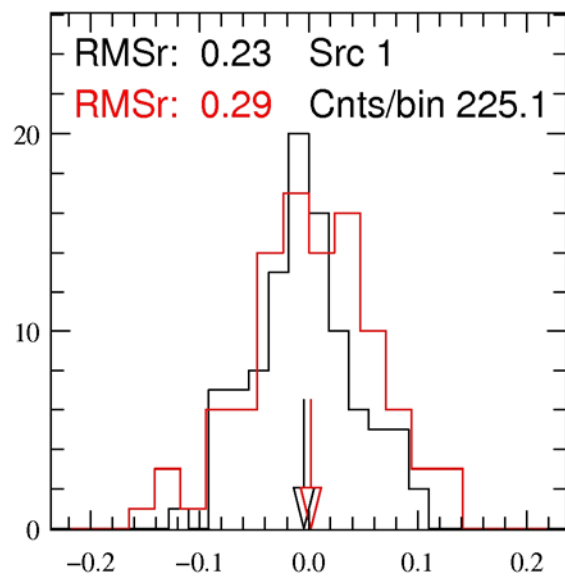


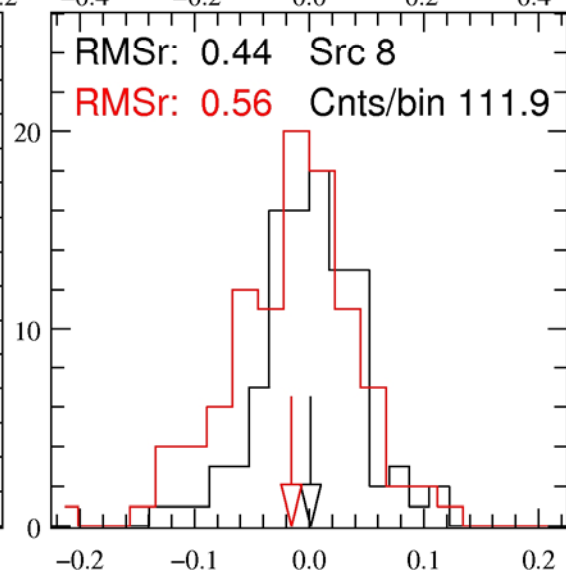
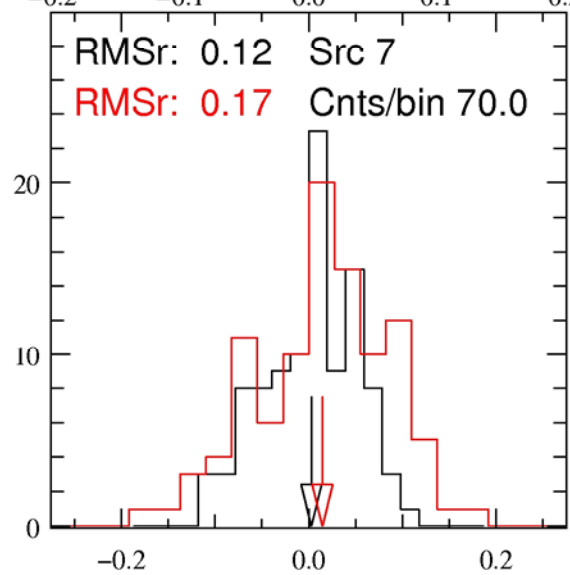
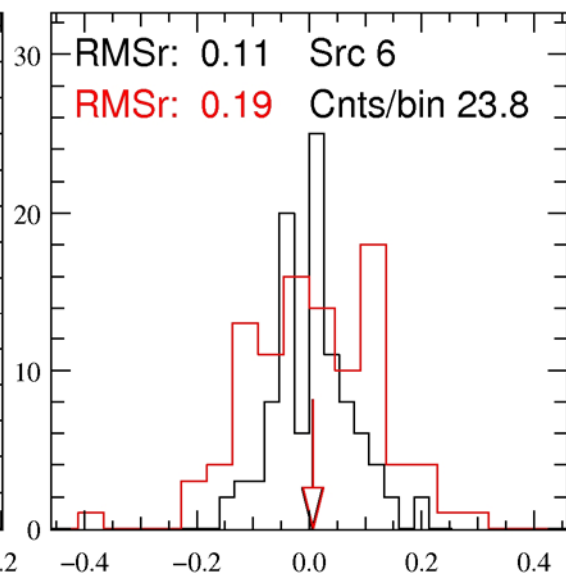
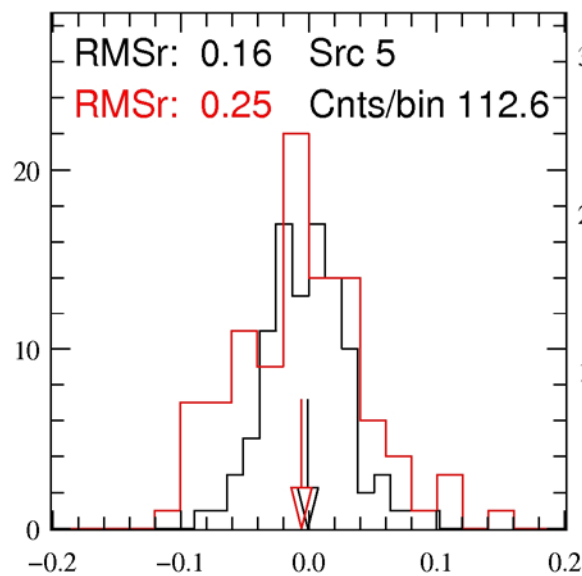
Shadowgram with 2366 counts from the last time step.

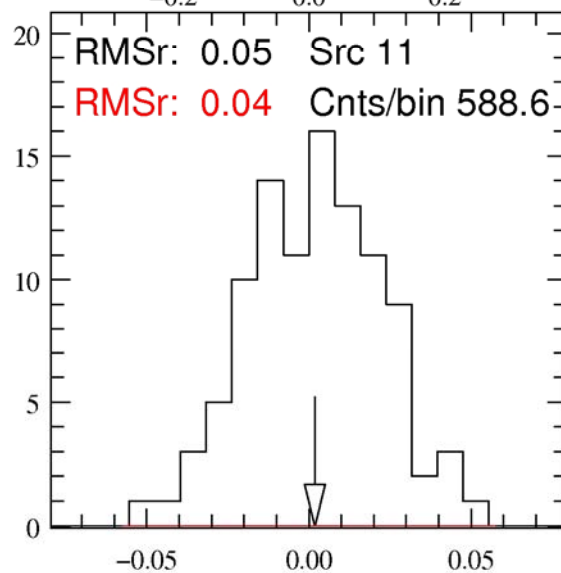
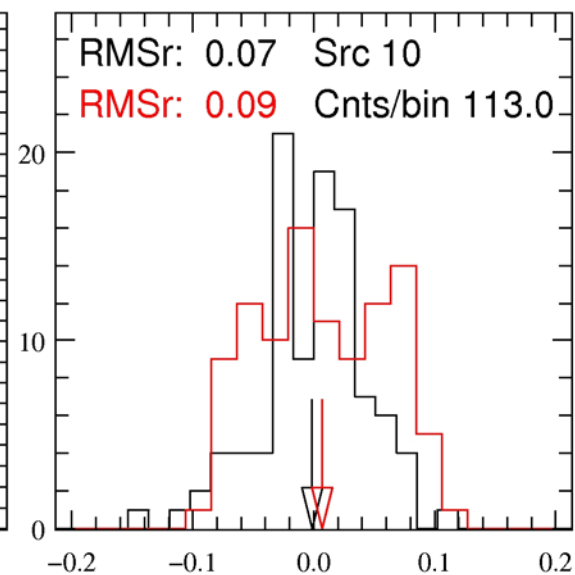
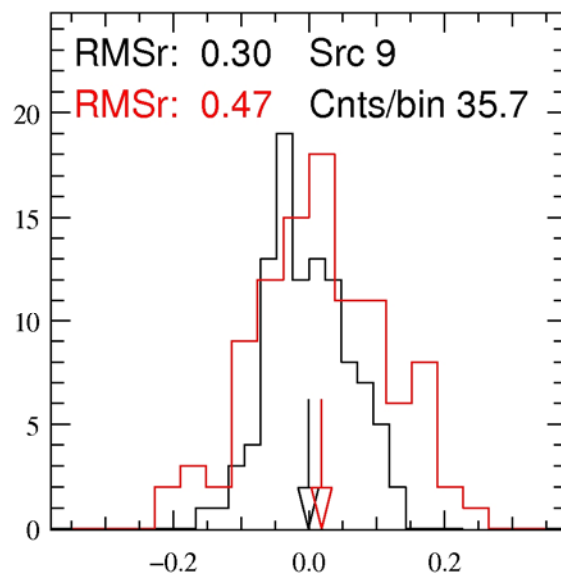












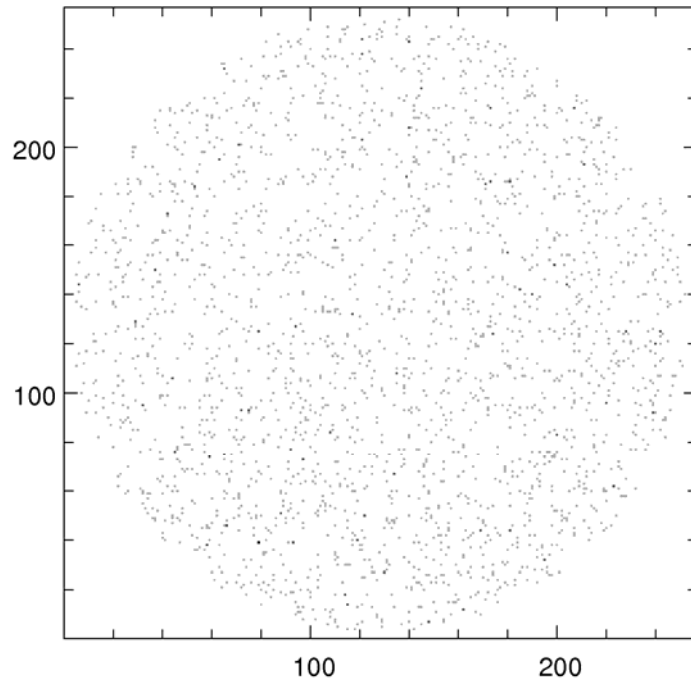
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Case with 10 sources + background in 100 time steps of 20 seconds

Source 1 is flaring, all other sources are constant except the background that slowly rises by a factor 1.5

Red curves represent the basic single source approach by NL

Black curves represent the least square solution



Shadowgram with 2366 counts from the last time step.

