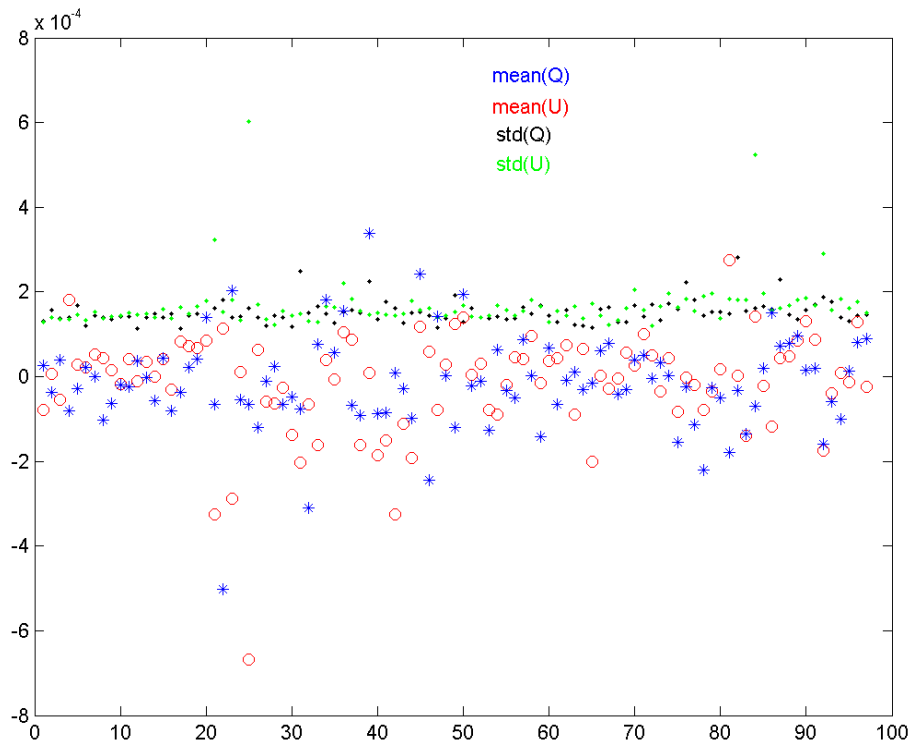
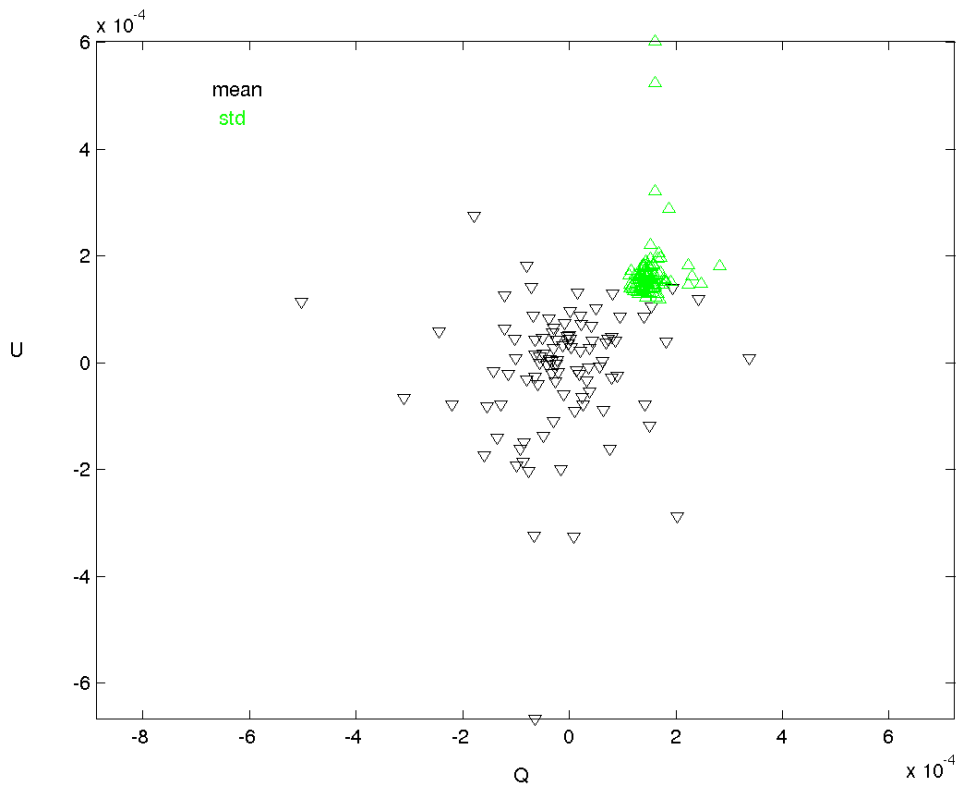


Giles asked me to show Q and U of the off-source pixels of M82. Here are some results. Off-source is defined as  $I < 70\%$  of the peak.



**Fig. 1** summarizes the standard deviation (std) and the mean of the off-source pixels. std is  $\sim 1.6 \times 10^{-4}$ . The cycle numbers (X axis) are the same as Larry's [LGK 17 May 2006](#).



**Fig. 2** is similar to Fig. 1 but plotted as U vs. Q

From Fig. 1 and 2, we see the std is very stable but the mean is not.

In the following,  $P \equiv \sqrt{\text{mean}(Q)^2 + \text{mean}(U)^2}$  is plotted with the peak and gradient of I to see if there is any correlation. The peak is less meaningful, I think, because the DC is not removed. The gradient varies close to Larry's I ([uncorrected by tau, LGK 17 May 2006](#))

