

### Increase in mean activity before wave

Let  $X$  be the data matrix ,  $X(t, i)$  being the value of the  $i^{th}$  pixel at time  $t$  . The mean absolute activity , as defined below , of either a region or the entire tissue is plotted against time.

$$Y(t) = E_i[|X(t, i)|] \quad (1)$$

In order to better observe the slowly increasing mean activity , low pass filtering was performed with a stop frequency of 100 Hz.

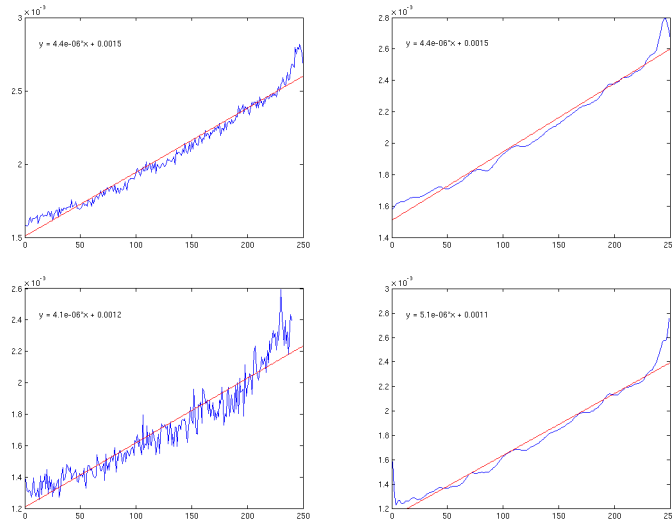
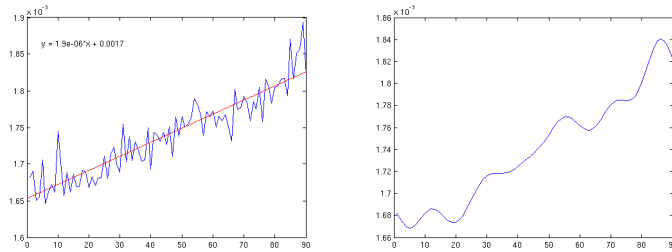
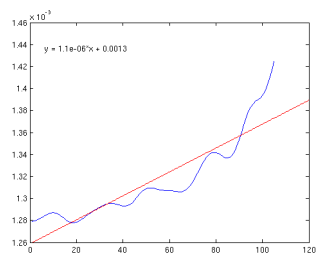
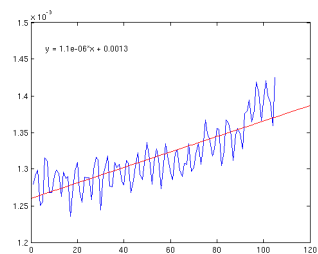


Figure 1: **March 10th :11.08** Left to right : Mean activity of entire region , Filtered Mean Activity, Mean Activity of subset, Mean activity of filtered data

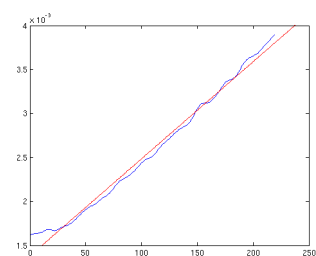
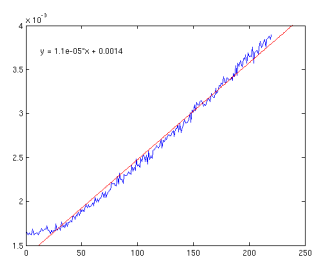
### March 6th SS cortex 1632



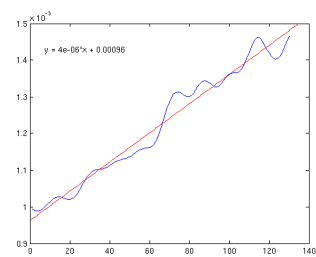
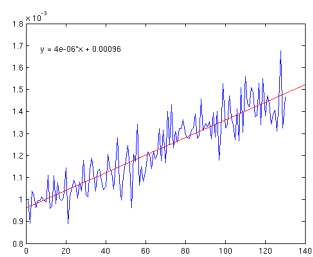
## March 5 th 4AP Slice 1 24.40



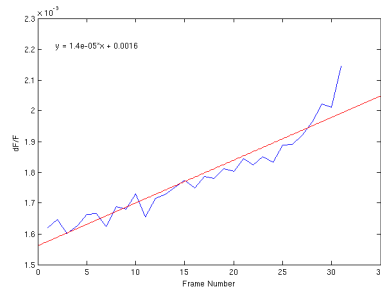
## March 11th SS 31



## March 11th SS 32



## March 11th SS 37.21



## March 11th VC slice 11.07

