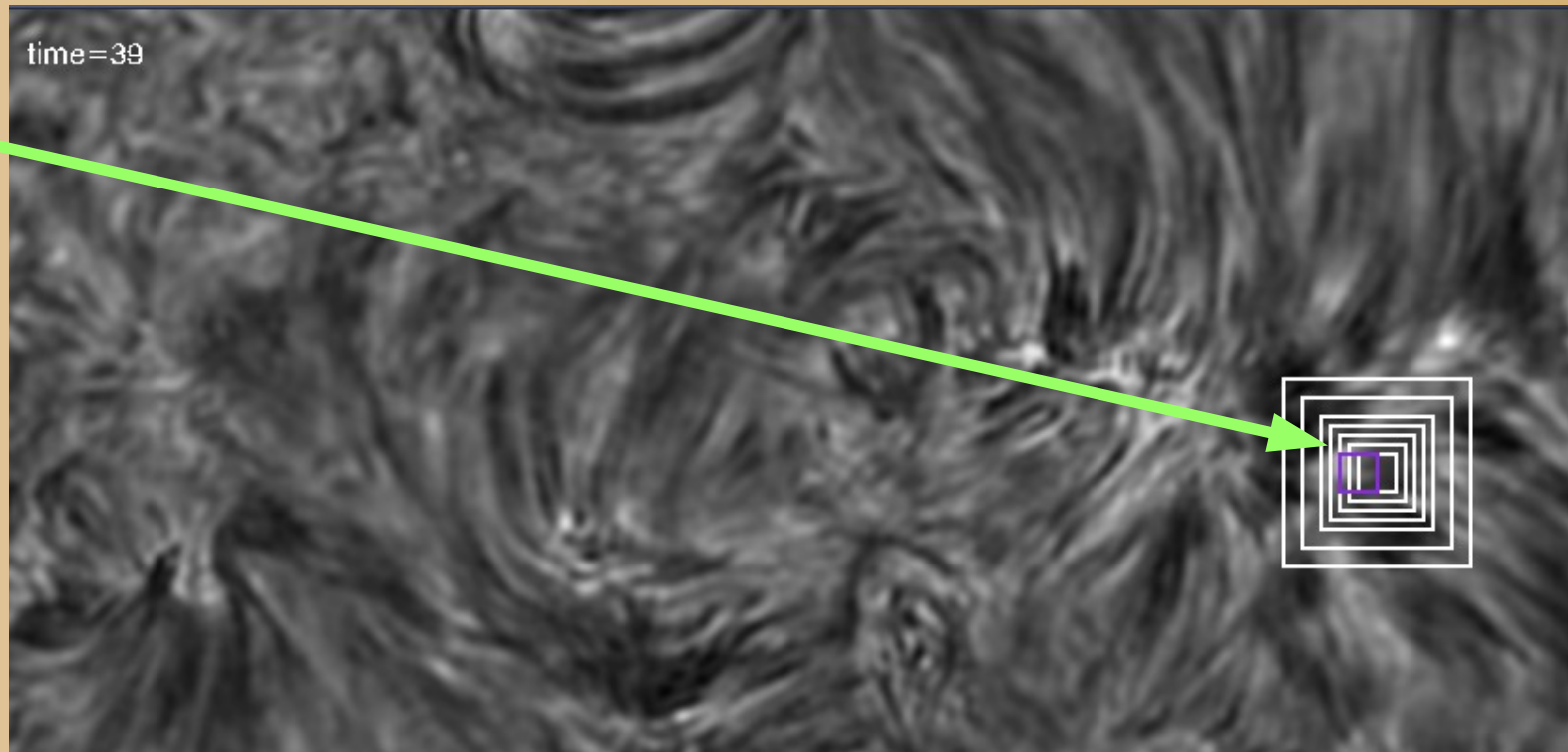


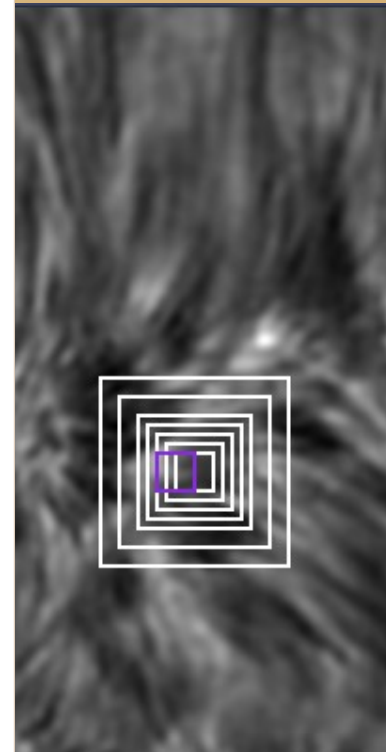
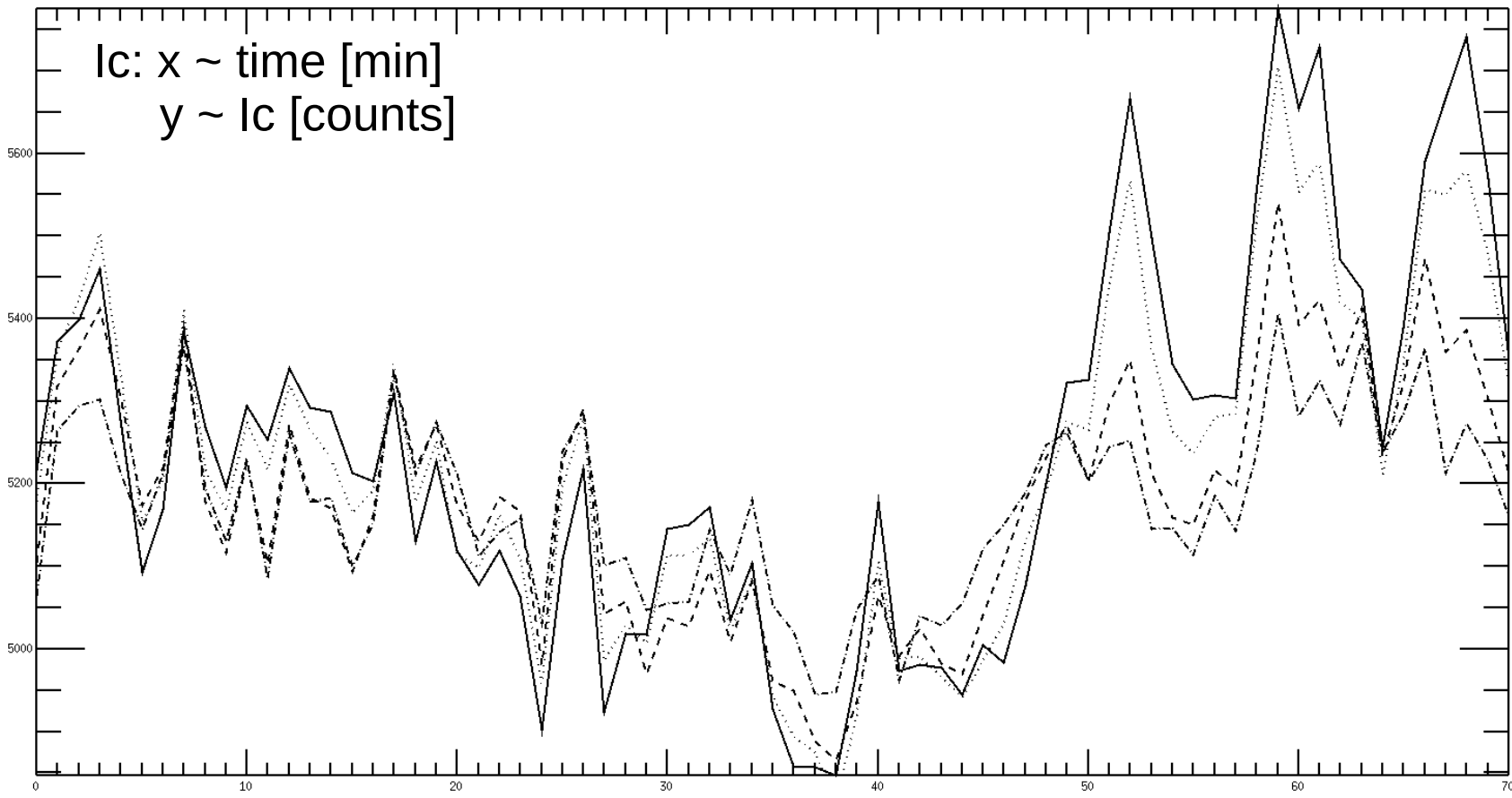
# Study of various sizes of the selected area

Original size:  
50 by 50 pixel  
~ 3.6 by 3.6  
arcsec



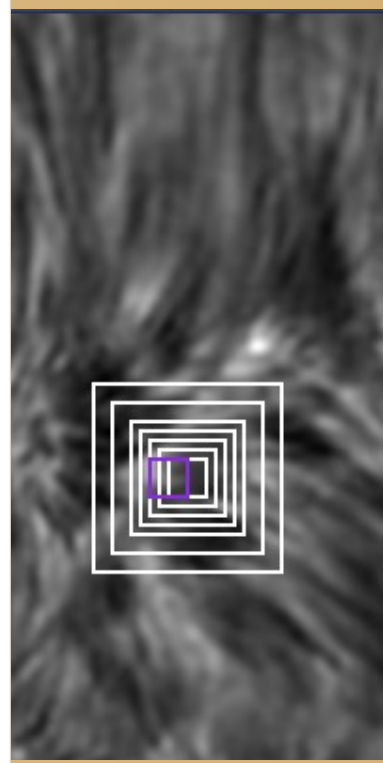
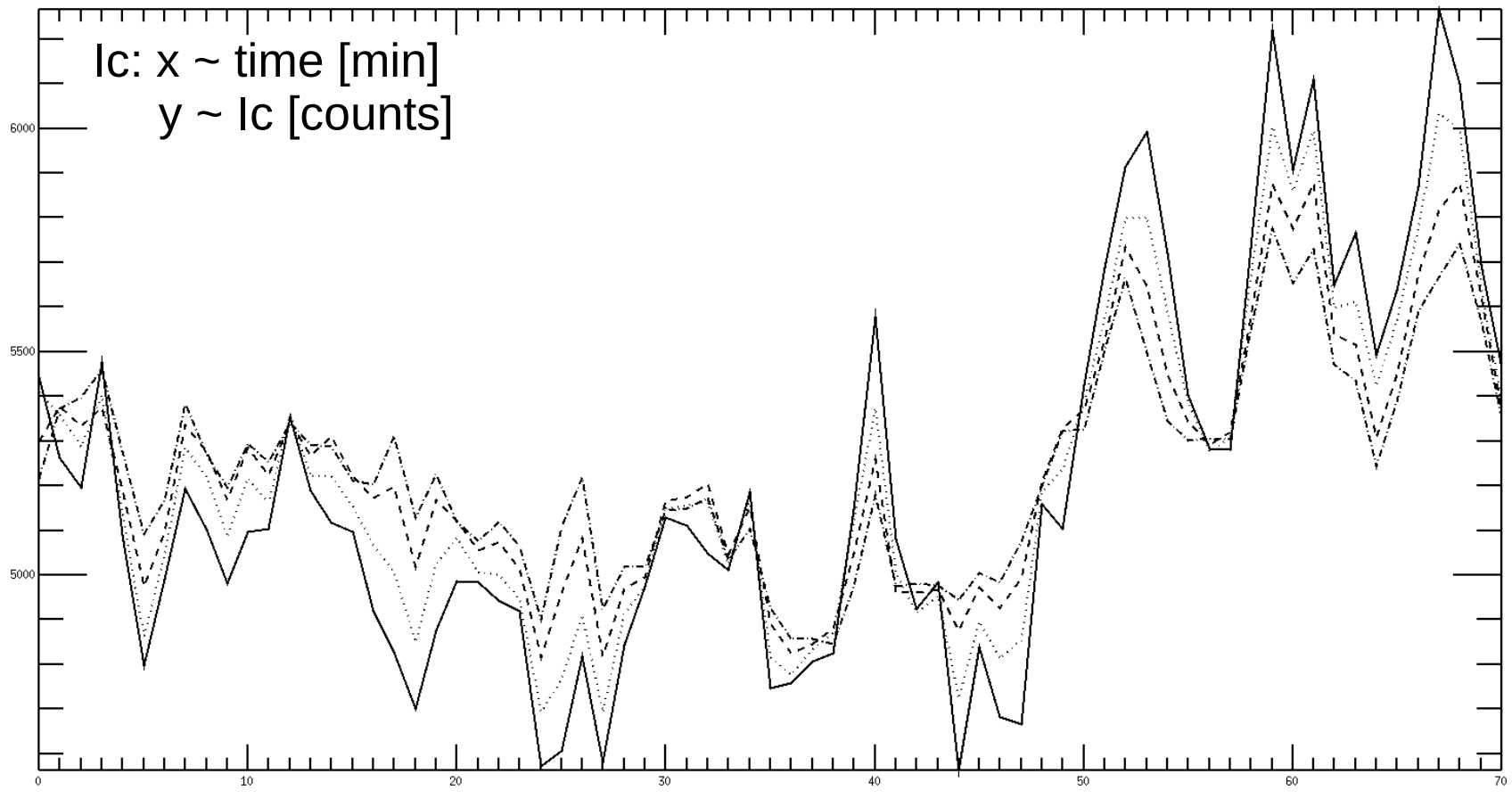
New studied sizes (height~width): 20 px, 30 px, 40 px, 50 px, 60 px, 80 px, 100 px and 20 px (center shifted -10 px to the left)

# Temporal evolution of $I_c$ for various sizes of the selected area



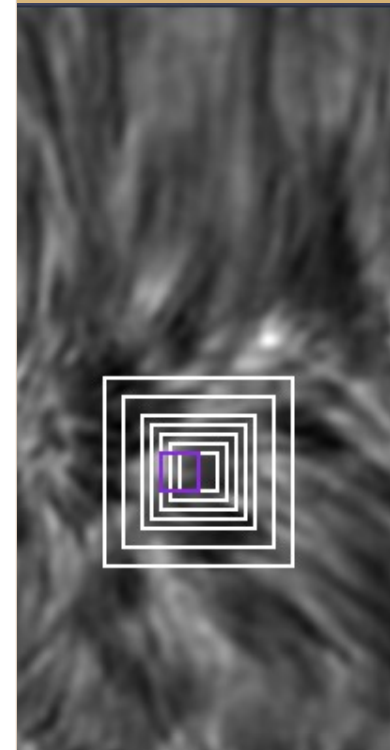
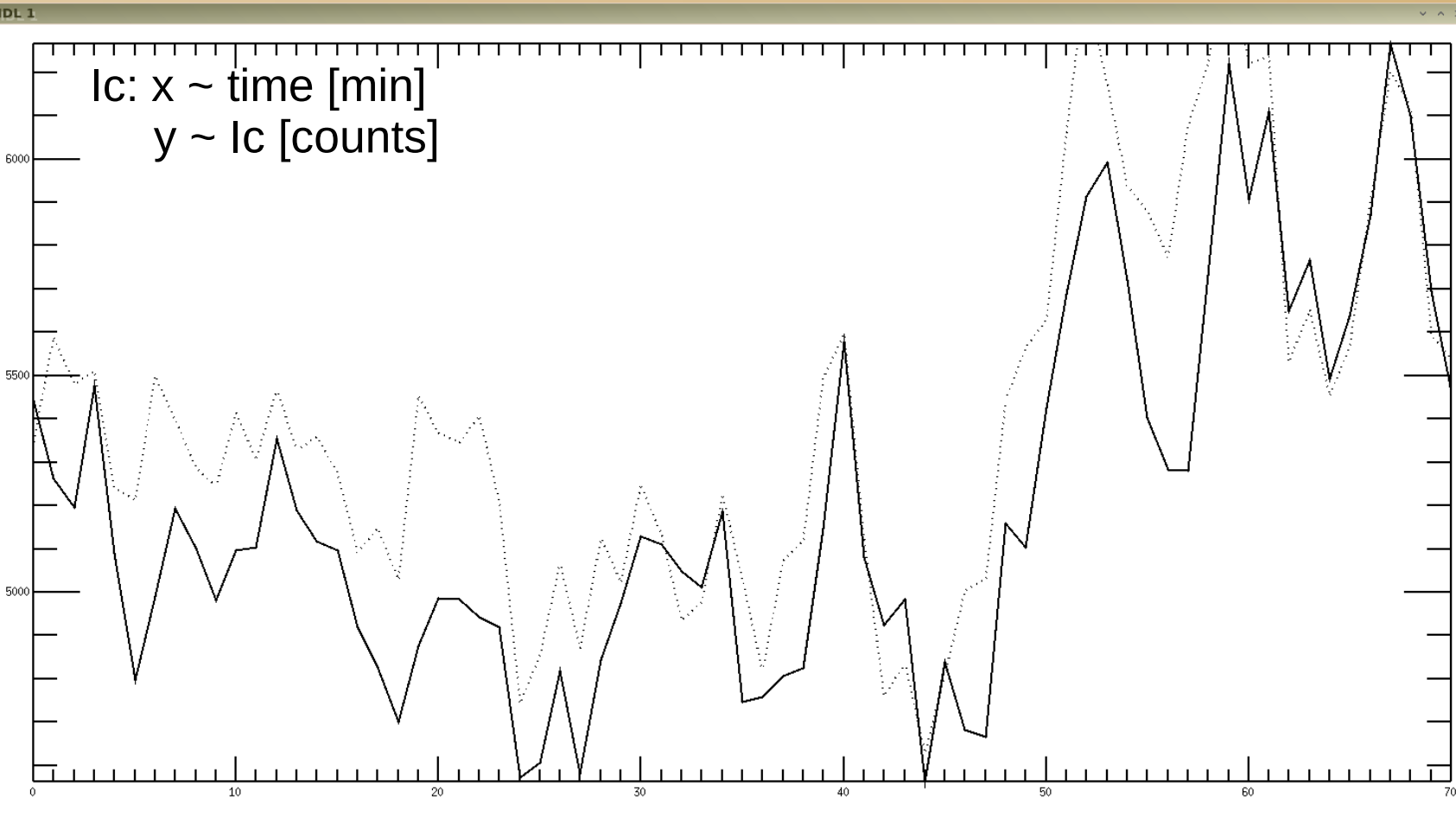
New studied sizes (height~width): 50 px (solid), 60 px (dotted), 80 px (dashed) and 100 px (dott-dashed)  
→ increasing size of area leads to decreasing peaks

# Temporal evolution of $I_c$ for various sizes of the selected area



New studied sizes (height~width): 20 px (solid), 30 px (dotted), 40 px (dashed) and 50 px (dott-dashed)  
→ increasing size of area leads to decreasing peaks

# Temporal evolution of $I_c$ for various sizes of the selected area

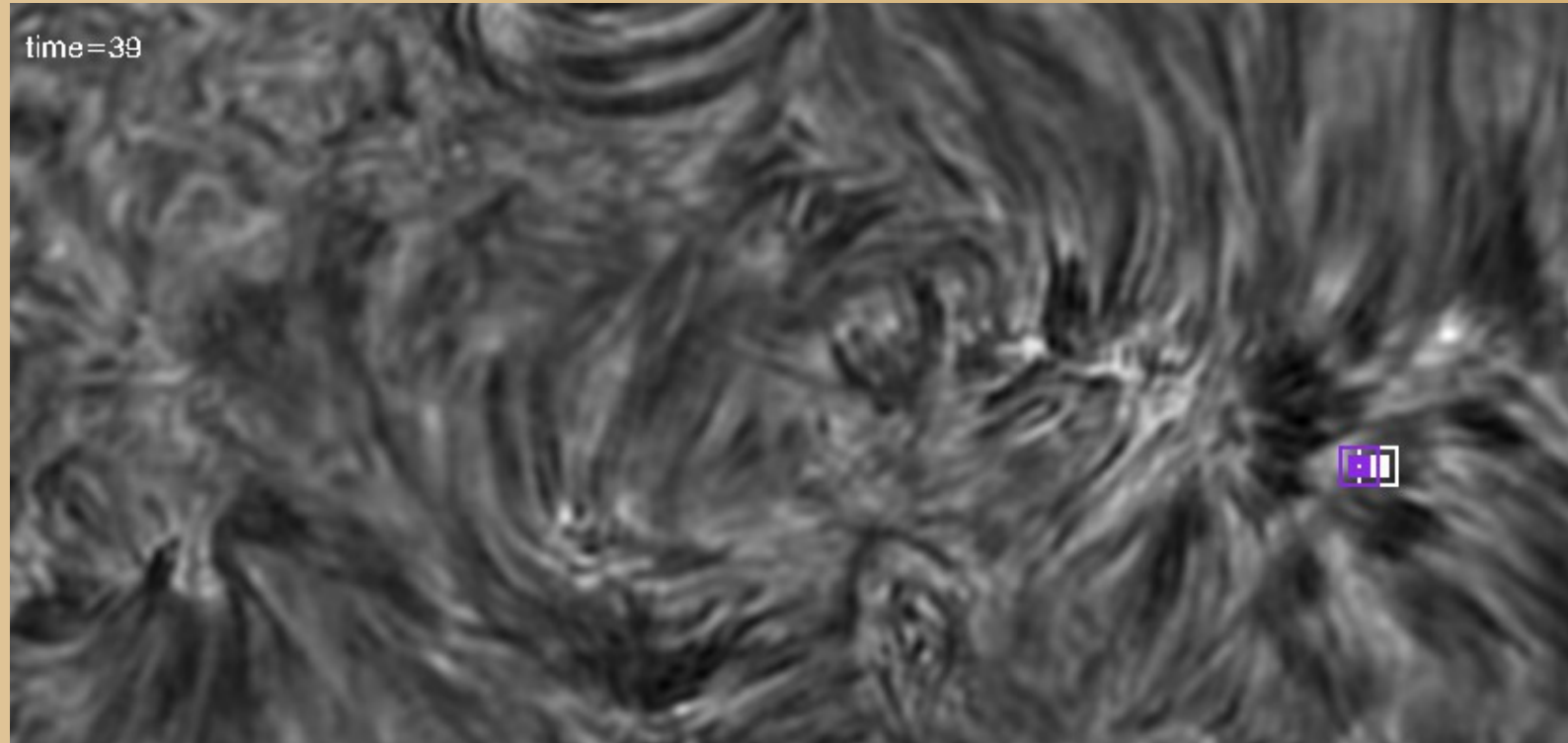


New studied boxes (height~width): 20 px (solid), and 20 px / center shifted -10 px to the left (dotted)

→ different position of area with the same size → the position of the peaks remains

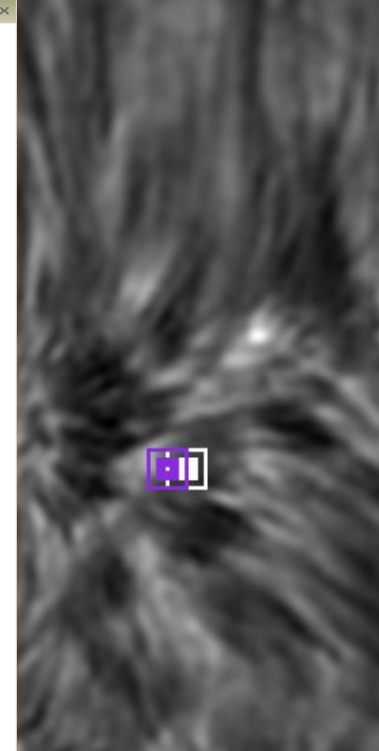
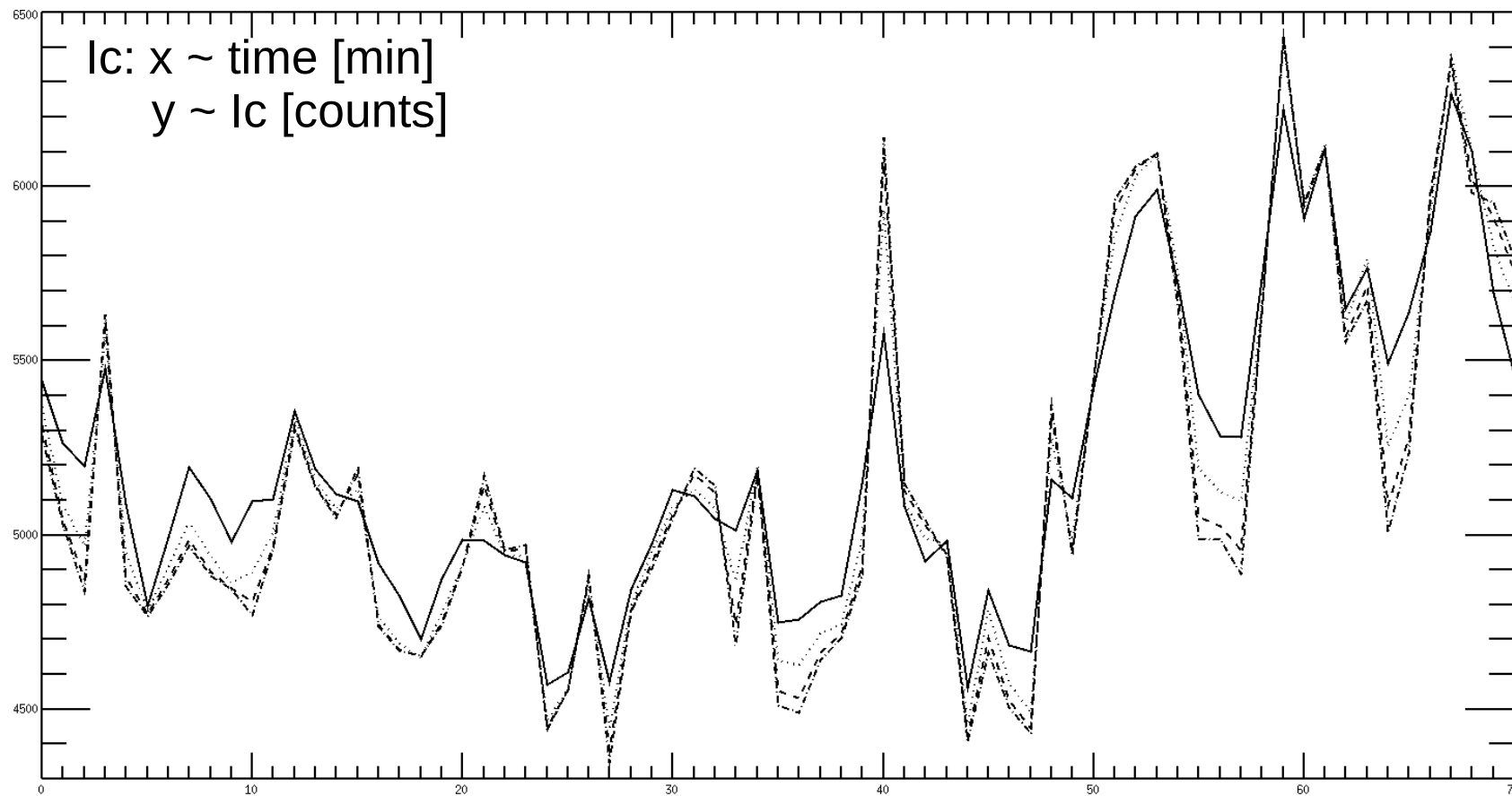
# Study of various sizes of the selected area

Going to even smaller boxes...



New studied sizes (height~width): 20 px, 10 px, 6 px, 4 px, 6 and 20 px, 10 px, 6 px, 4 px (center shifted -10 px to the left)

# Temporal evolution of $I_c$ for various sizes of the selected area

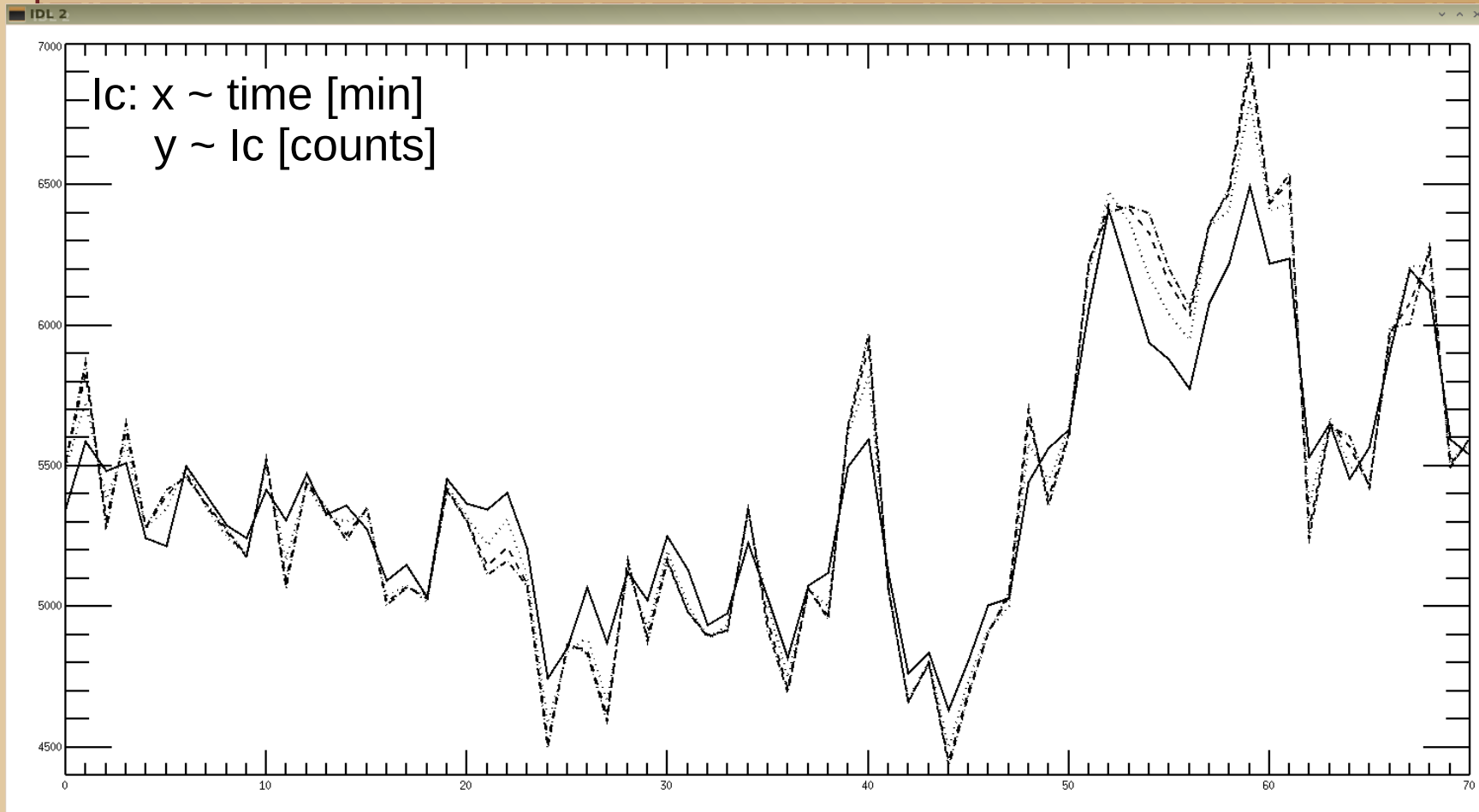


New studied boxes (height~width): 20 px (solid), 10 px (dotted), 6 px (dashed) and 4 px (dott-dashed)

→ decreasing size of area → minimal change in the peaks

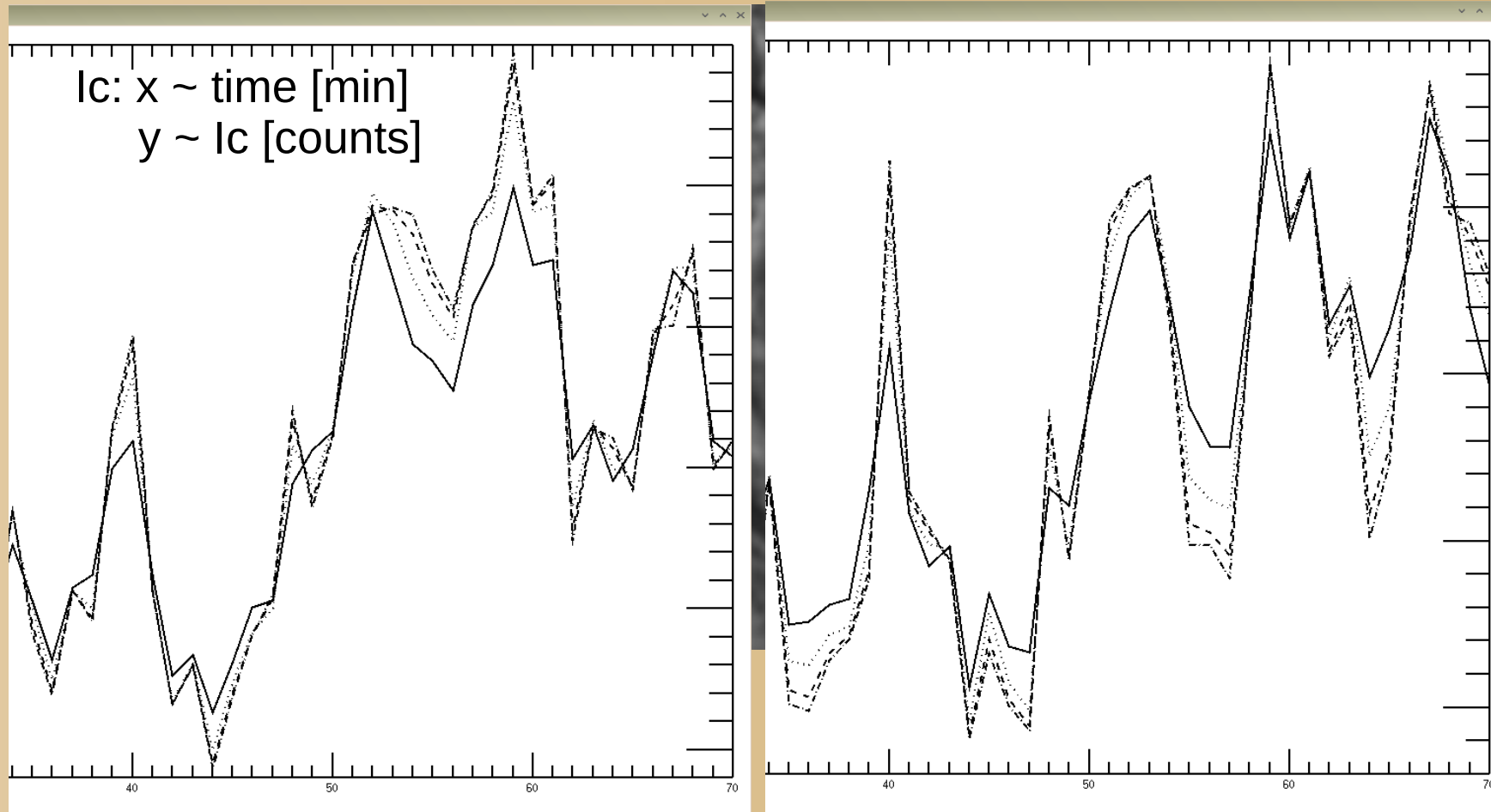


# Temporal evolution of $I_c$ for various sizes of the selected area



New studied boxes (height~width): 20 px (solid), 10 px (dotted), 6 px (dashed) and 4 px (dott-dashed)  
→ decreasing size of area → minimal change in the peaks

# Temporal evolution of $I_c$ for various sizes of the selected area

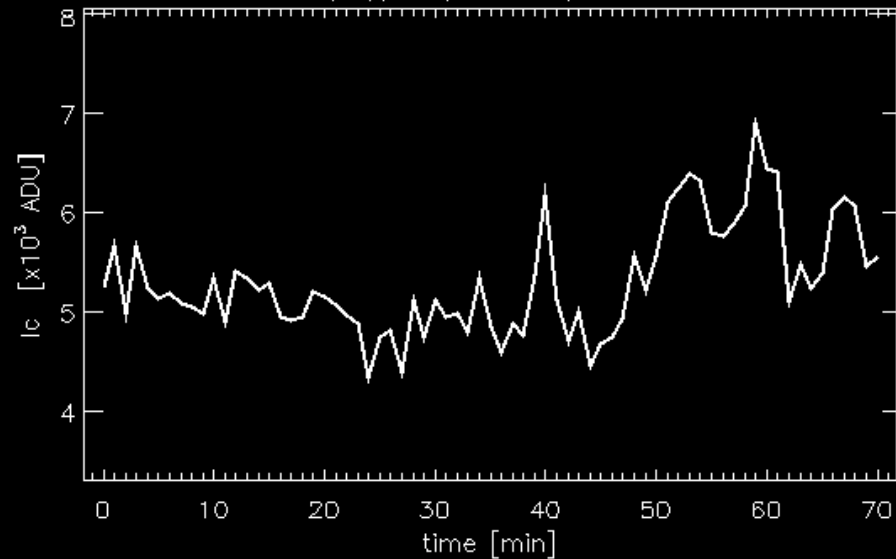


New studied boxes (height~width): 20 px/20 px (solid), 10 px/10 px (dotted), 6 px/6 px (dashed) and 4 px/4 px (dott-dashed)  
→ shifted areas → change in the shapes of the peaks → effect of a different group of pixels in the center of the box?

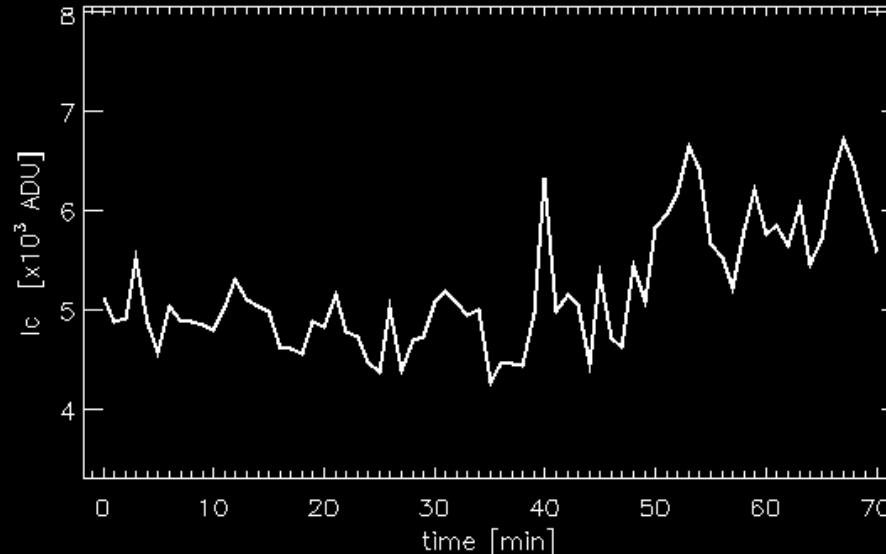


# Temporal evolution of $I_c$ for various single pixels of the selected area

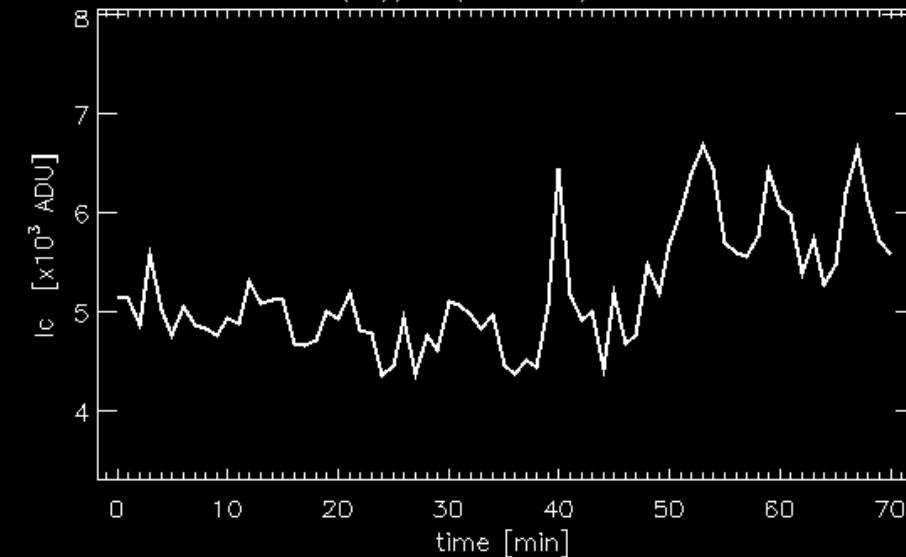
$(x, y) = (833, 570)$



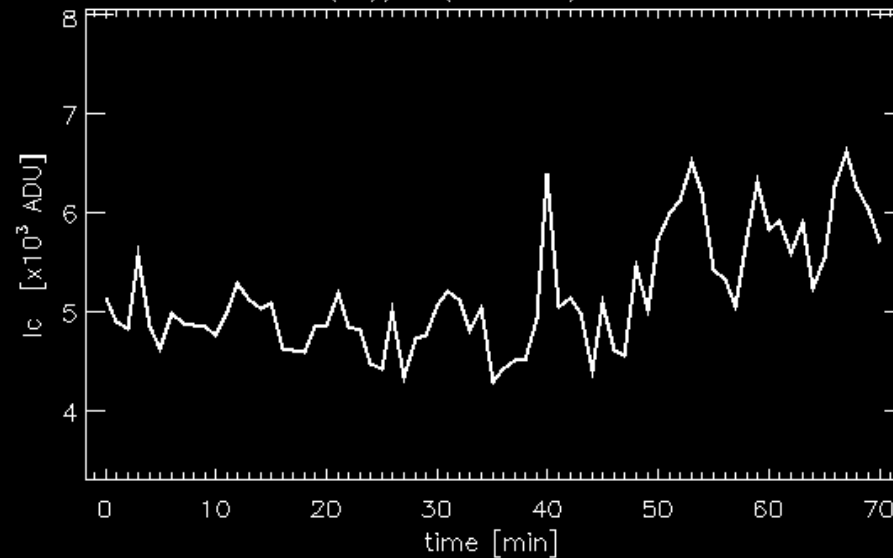
$(x, y) = (840, 567)$



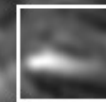
$(x, y) = (837, 568)$



$(x, y) = (840, 568)$



39.5 min  
Center:  
 $x \sim 840$   
 $y \sim 570$



Single pixels exhibiting a similar behavior