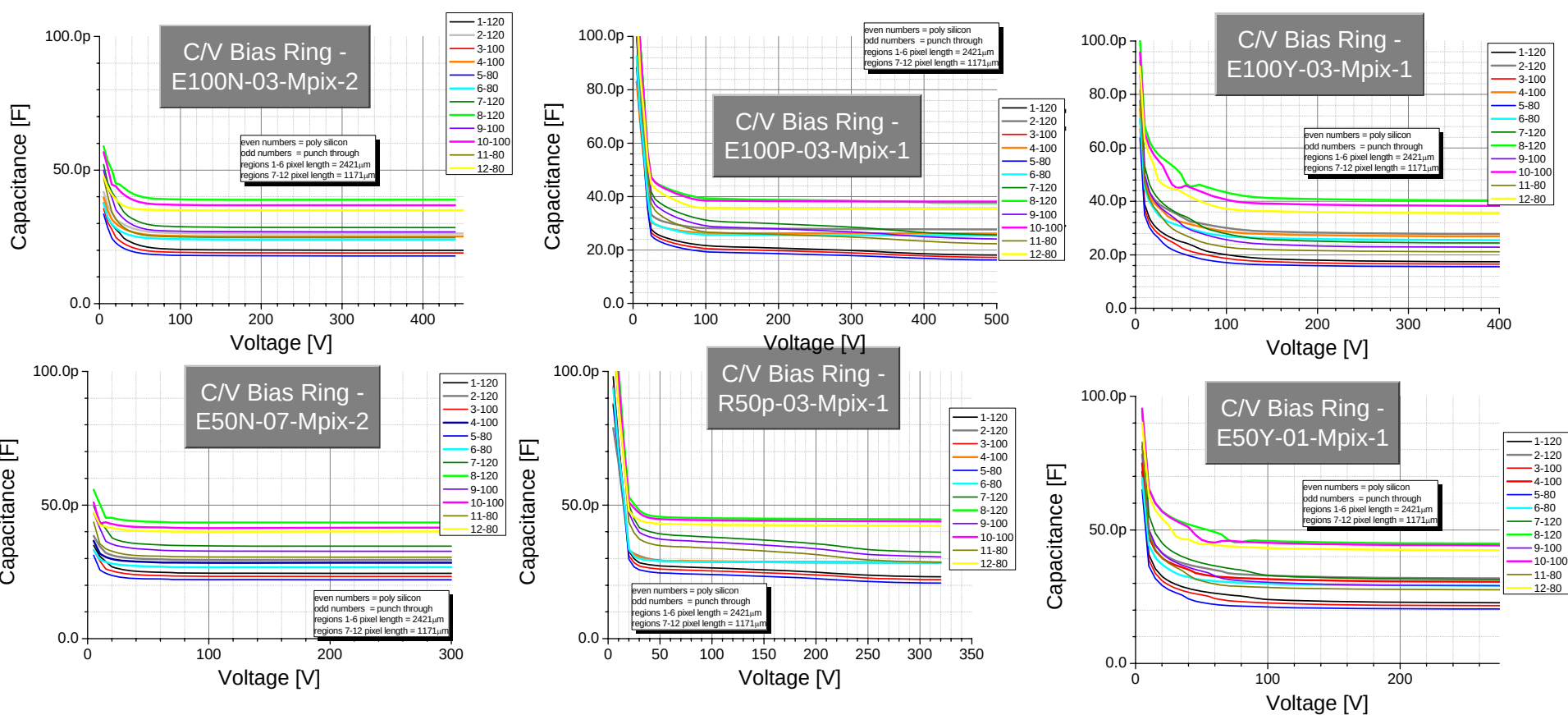
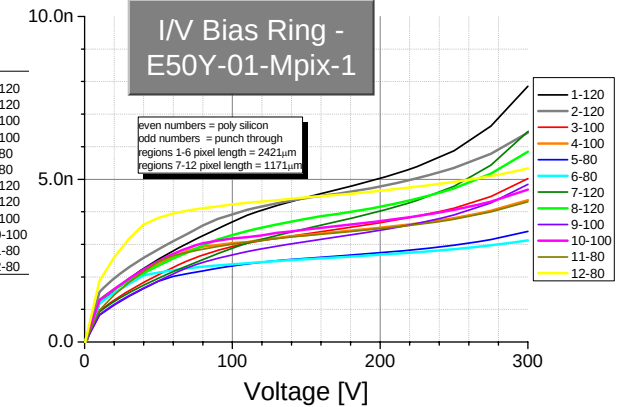
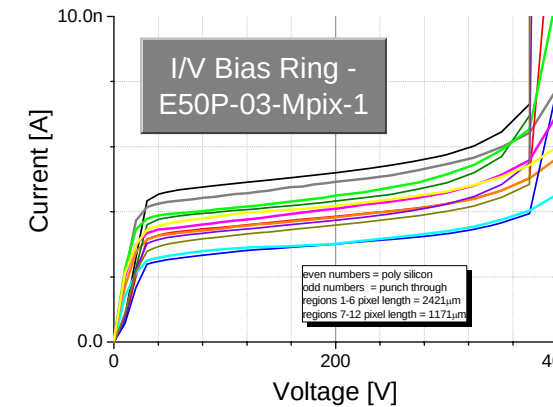
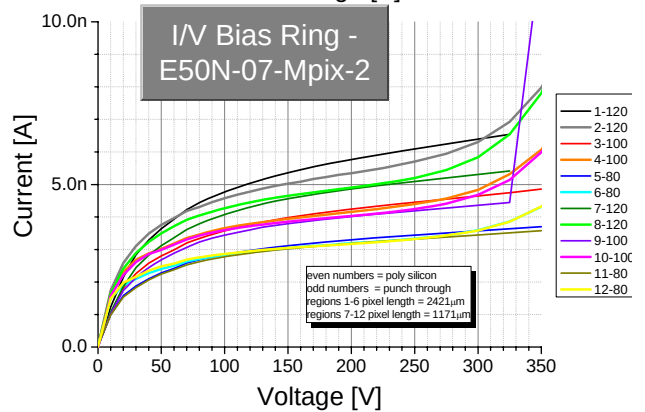
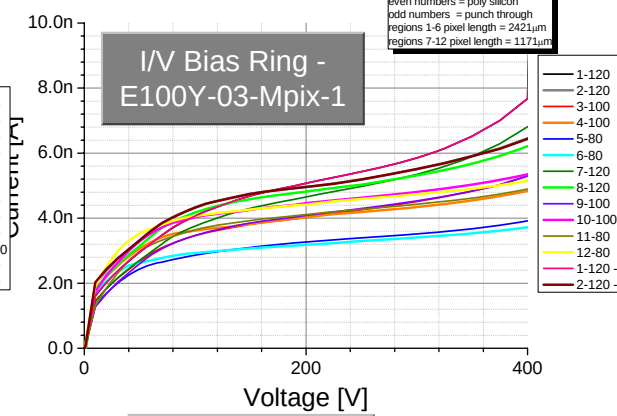
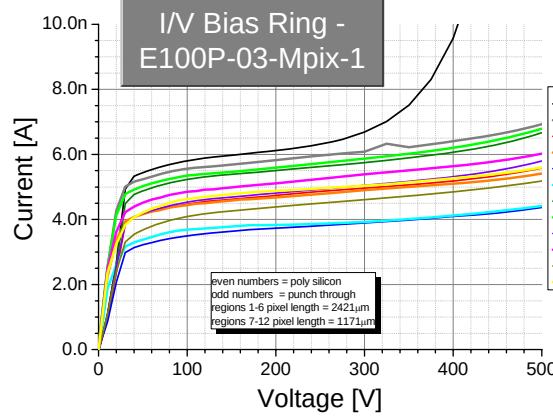
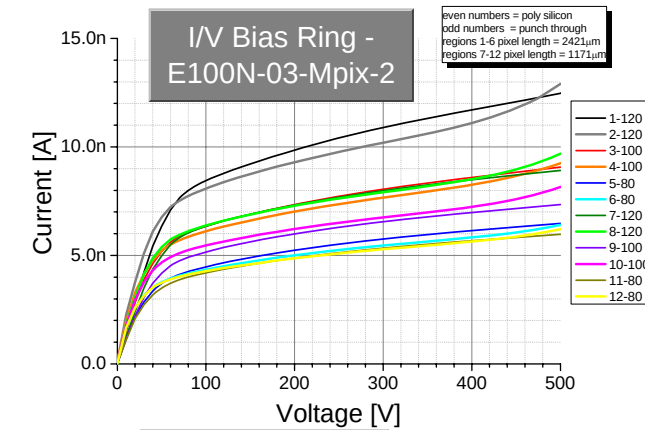


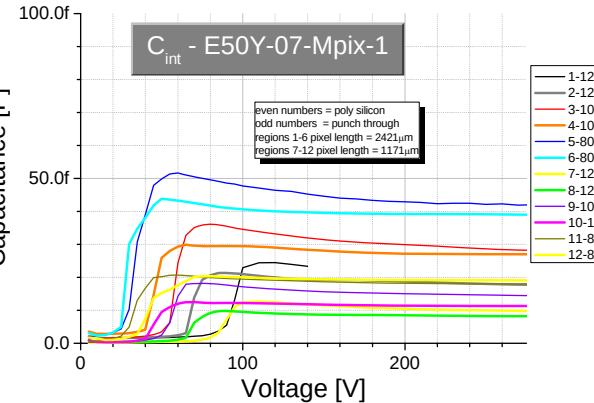
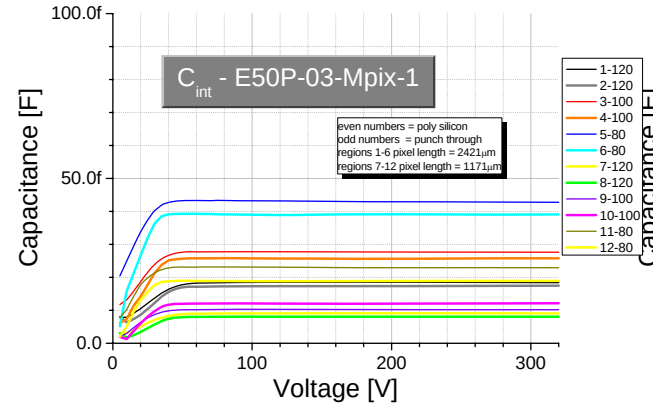
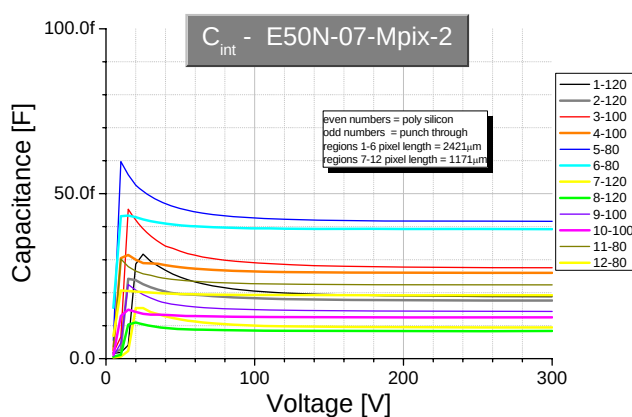
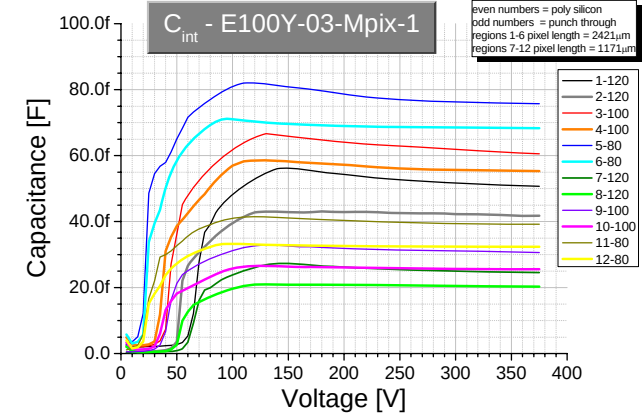
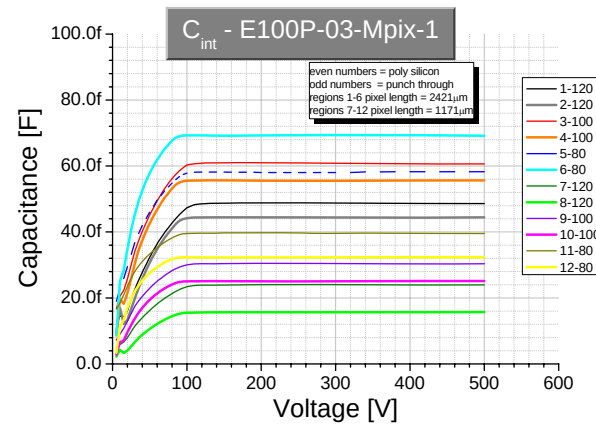
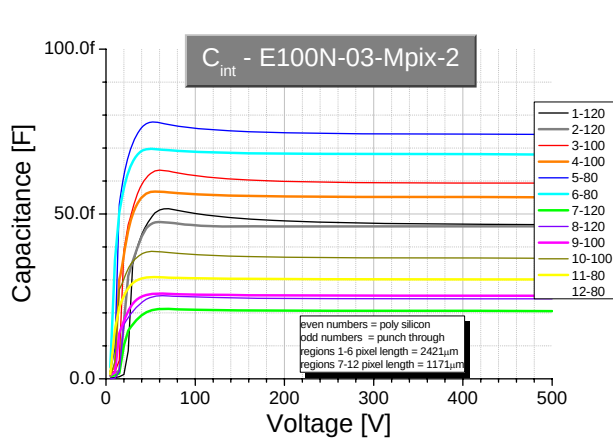


- 1.) "Knee" for all P and Y
- 2.) PS > PT
- 3.) 120 > 100 > 80
- 4.) Short > long
- 5.) Not thickness dependend???
- 6.) not that prominent low voltage falling for N!



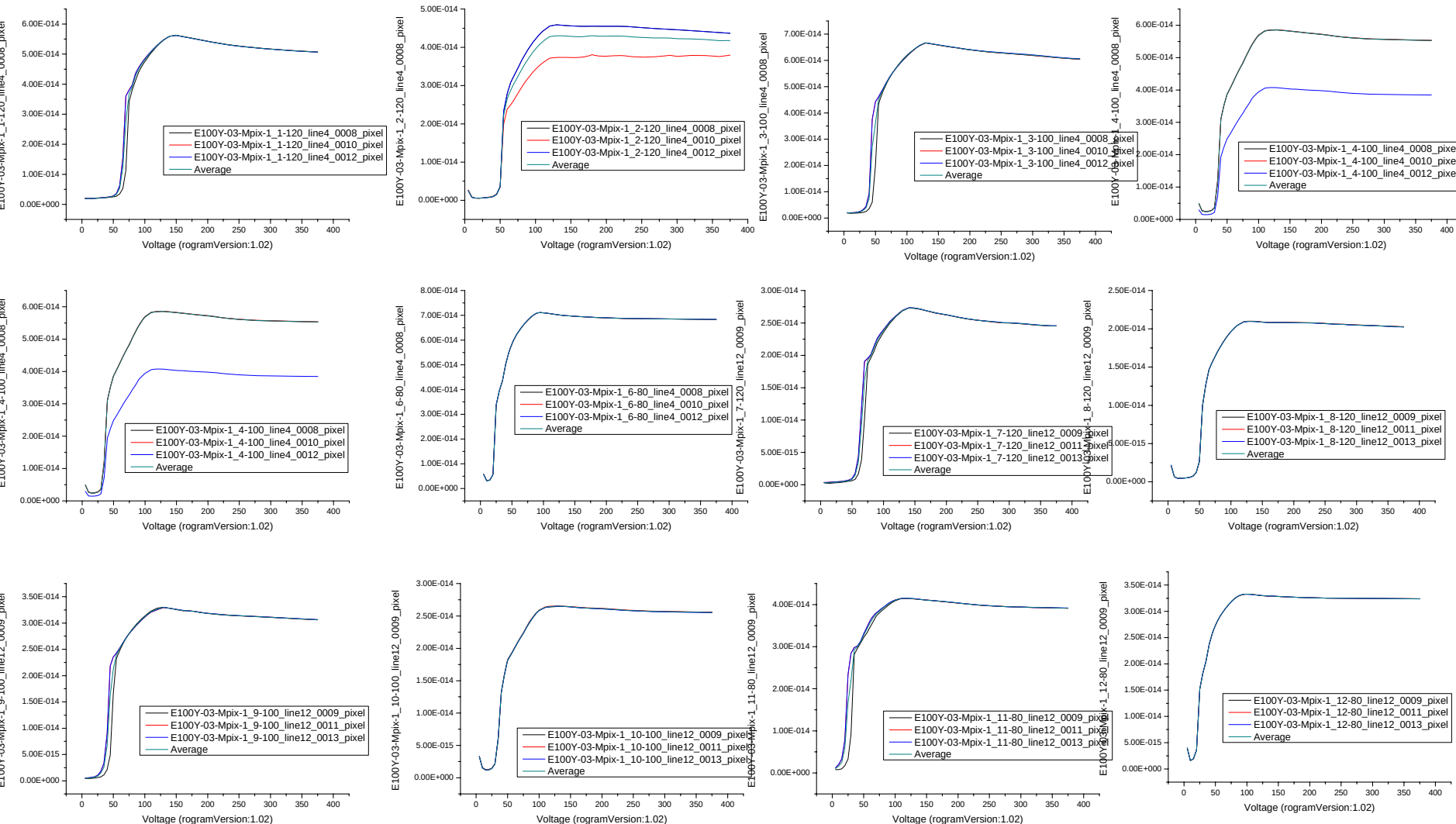
- 1.) $120 > 100 > 80$
- 2.) (PT > PS)?
- 3.) Faster increase for PS at higher voltages (N)
- 4.) less for thinner structure

C_{INT}

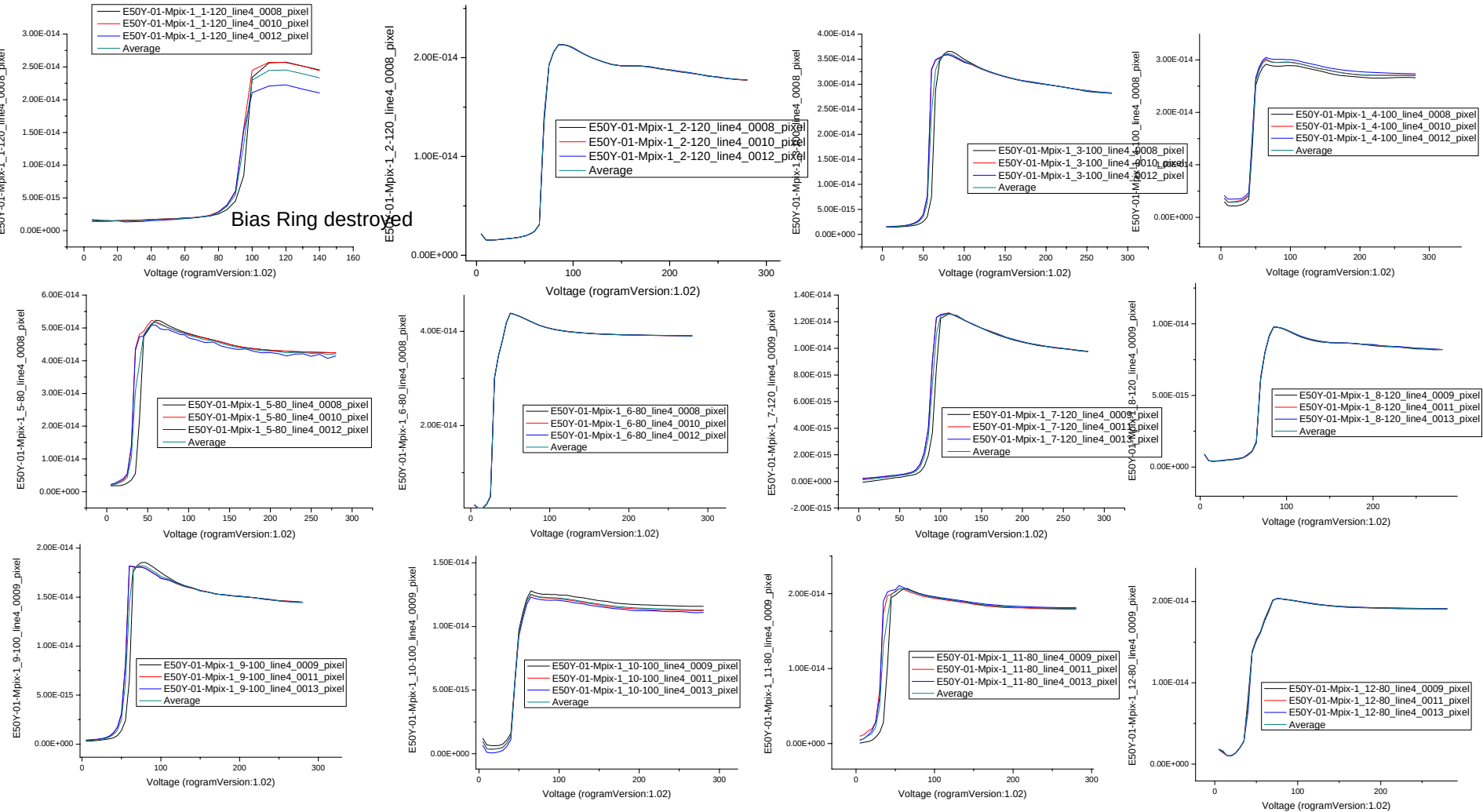


- 1.) Maximum is at lower voltages for smaller pitches
- 2.) PS < PT
- 3.) 120 < 100 < 80
- 4.) N: small Peak; P: flat; Y: large peak?
- 5.) Thinner sensor => smaller (around factor 1:1)
- 6.) Maximum at lower voltages for thinner sensors

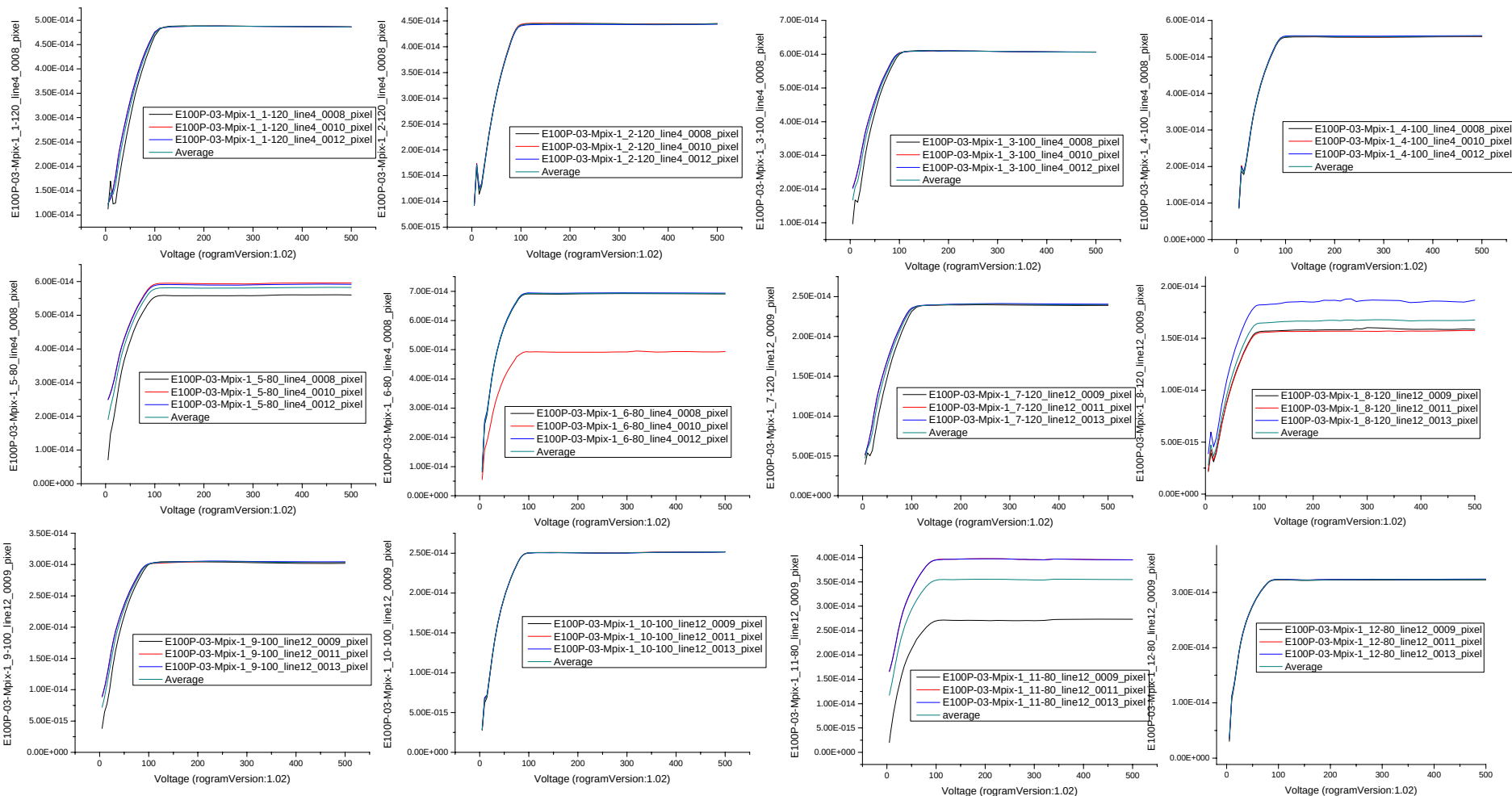
E100Y-03-Mpix-1



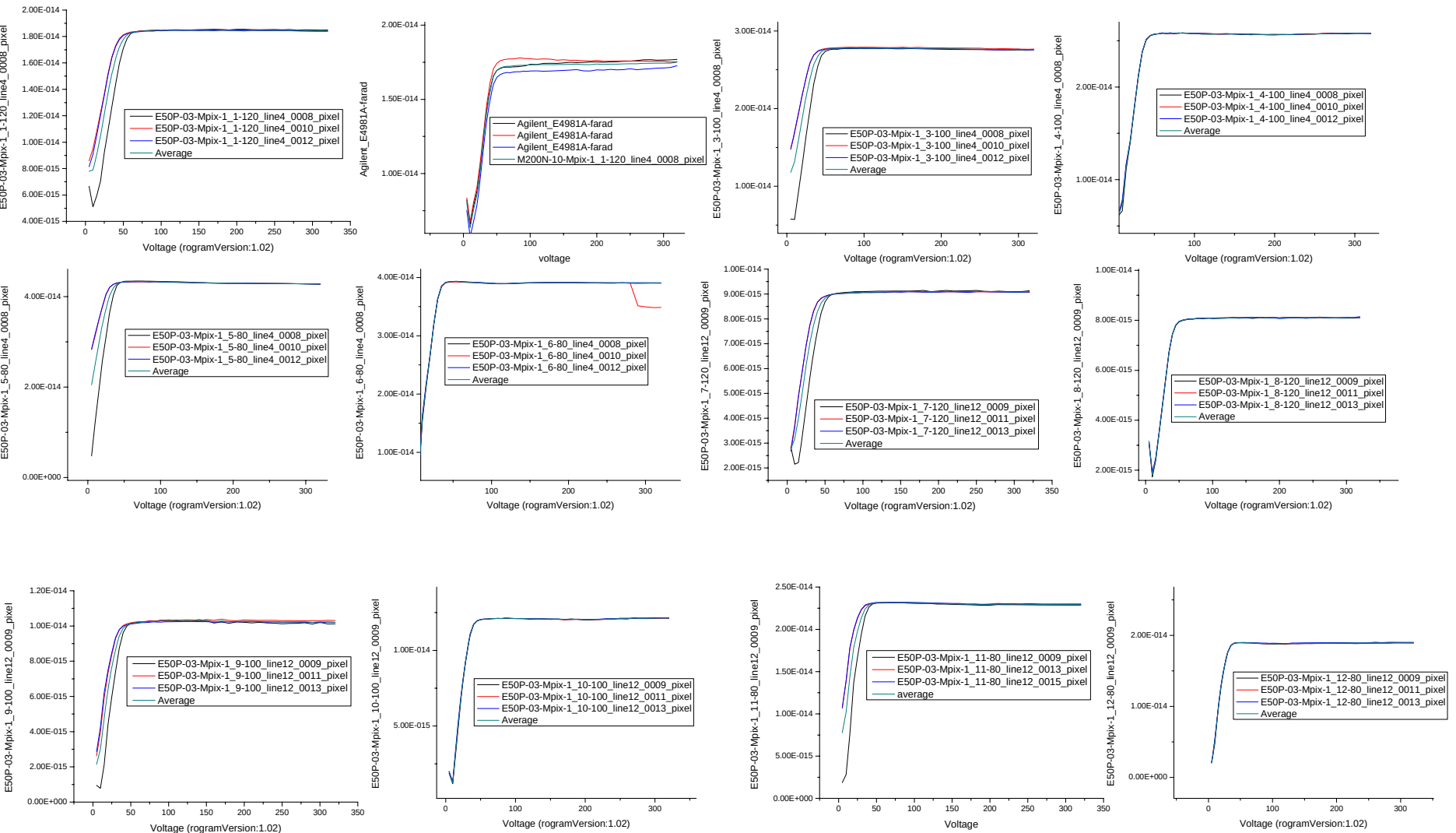
E50Y-01-Mpix-1



E100P-03-Mpix-1

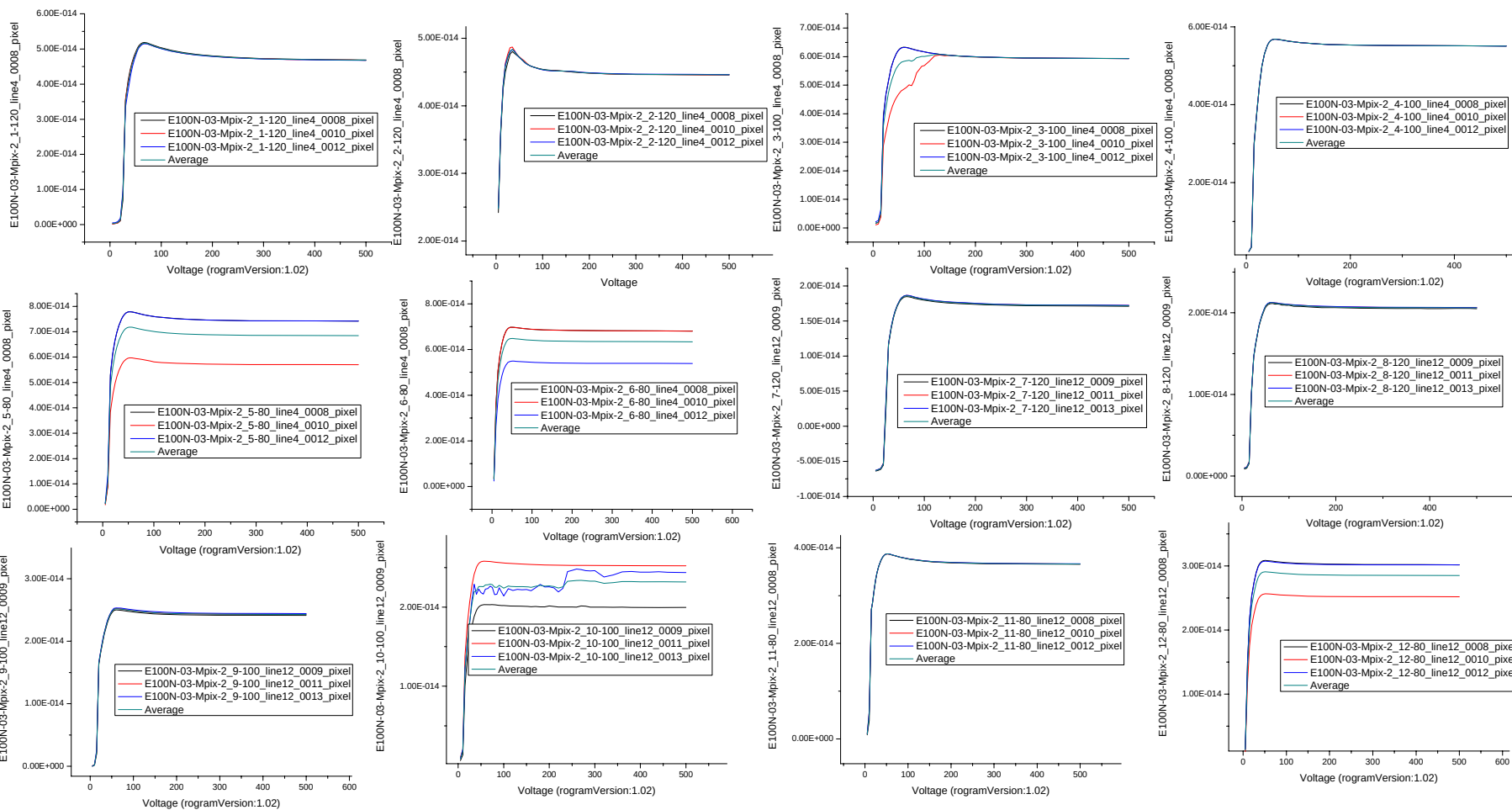


E50P-03-Mpix-1

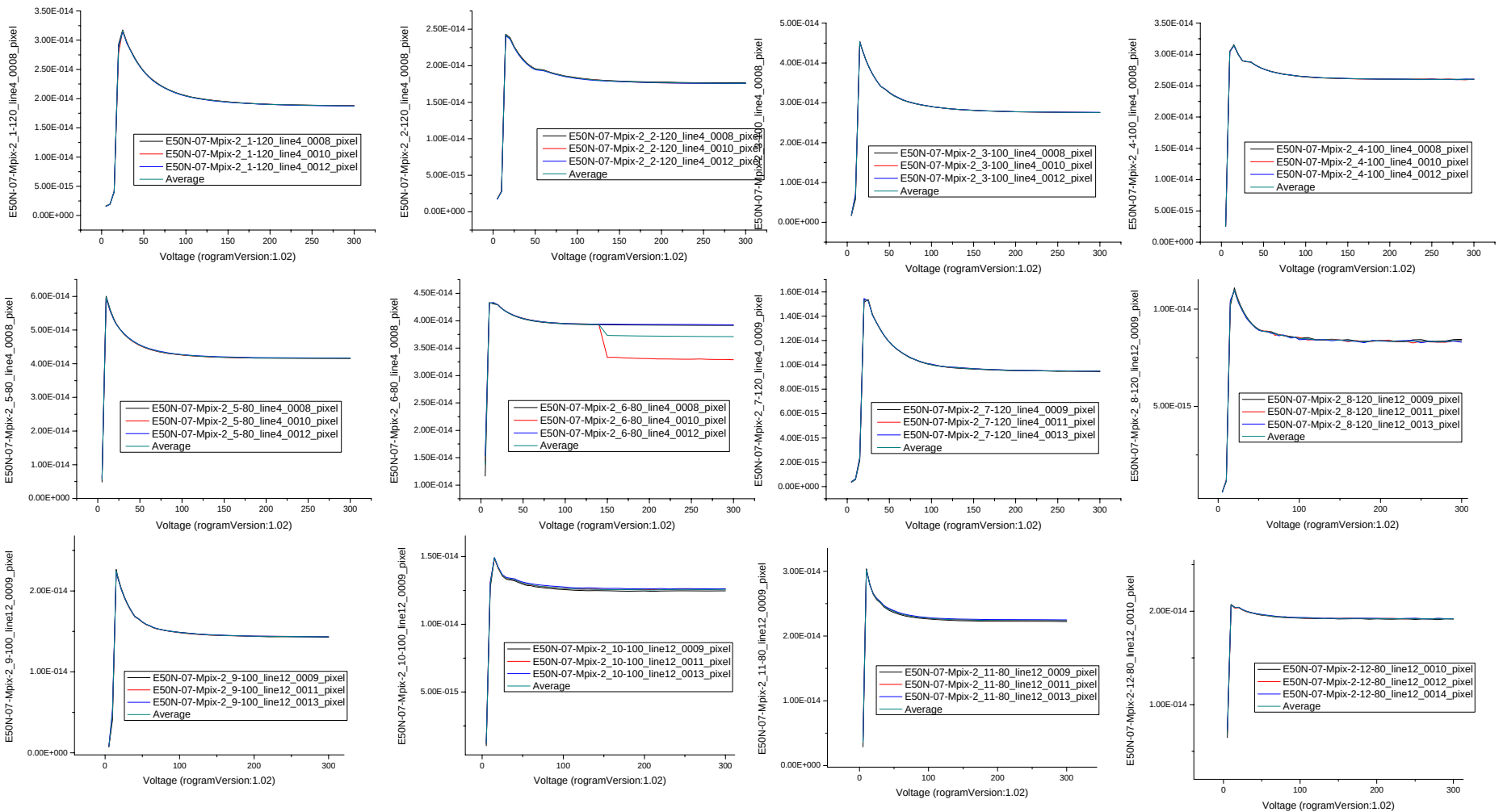


- Max more flat for PT?

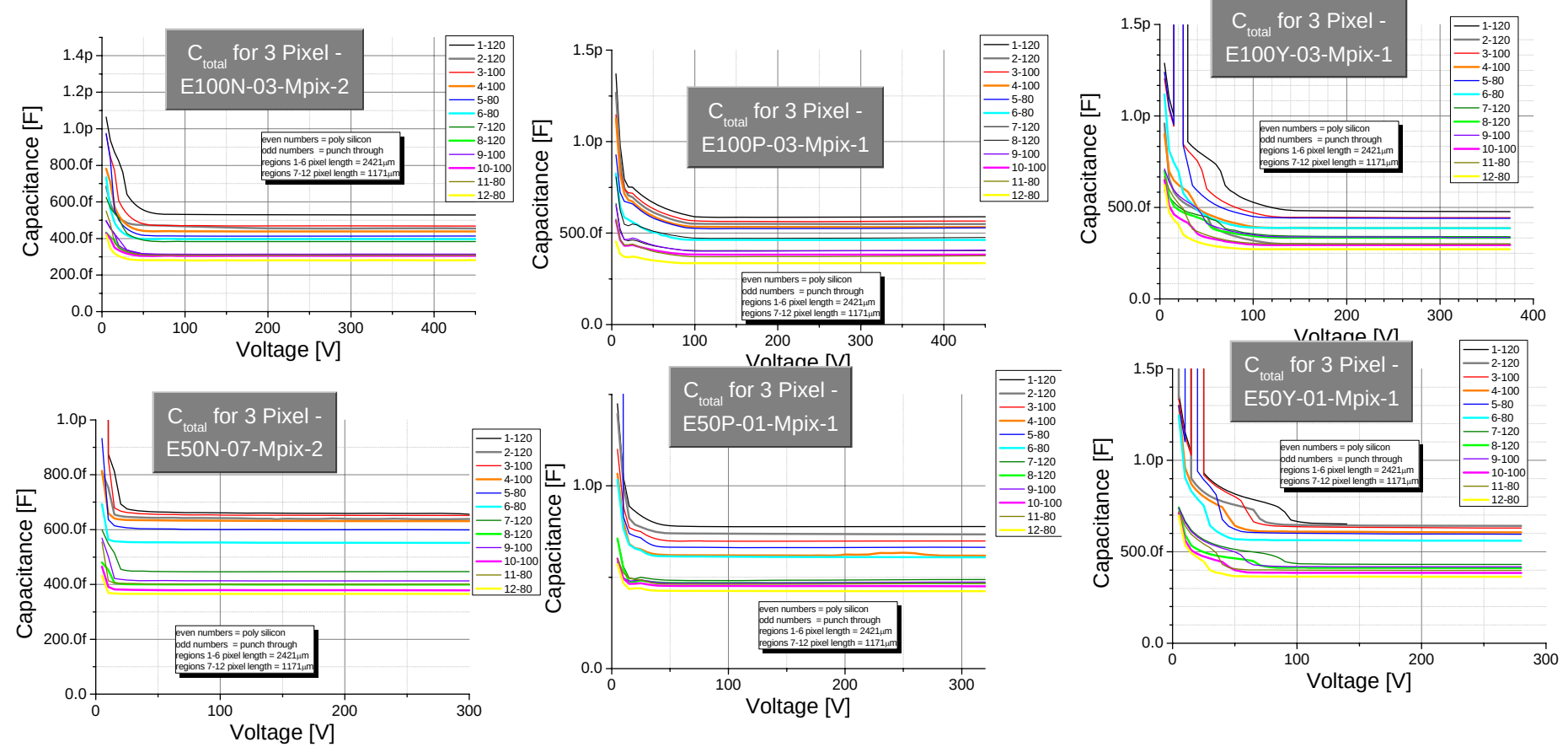
E100N-03-Mpix-2



E50N-07-Mpix-2



C_{TOTAL}

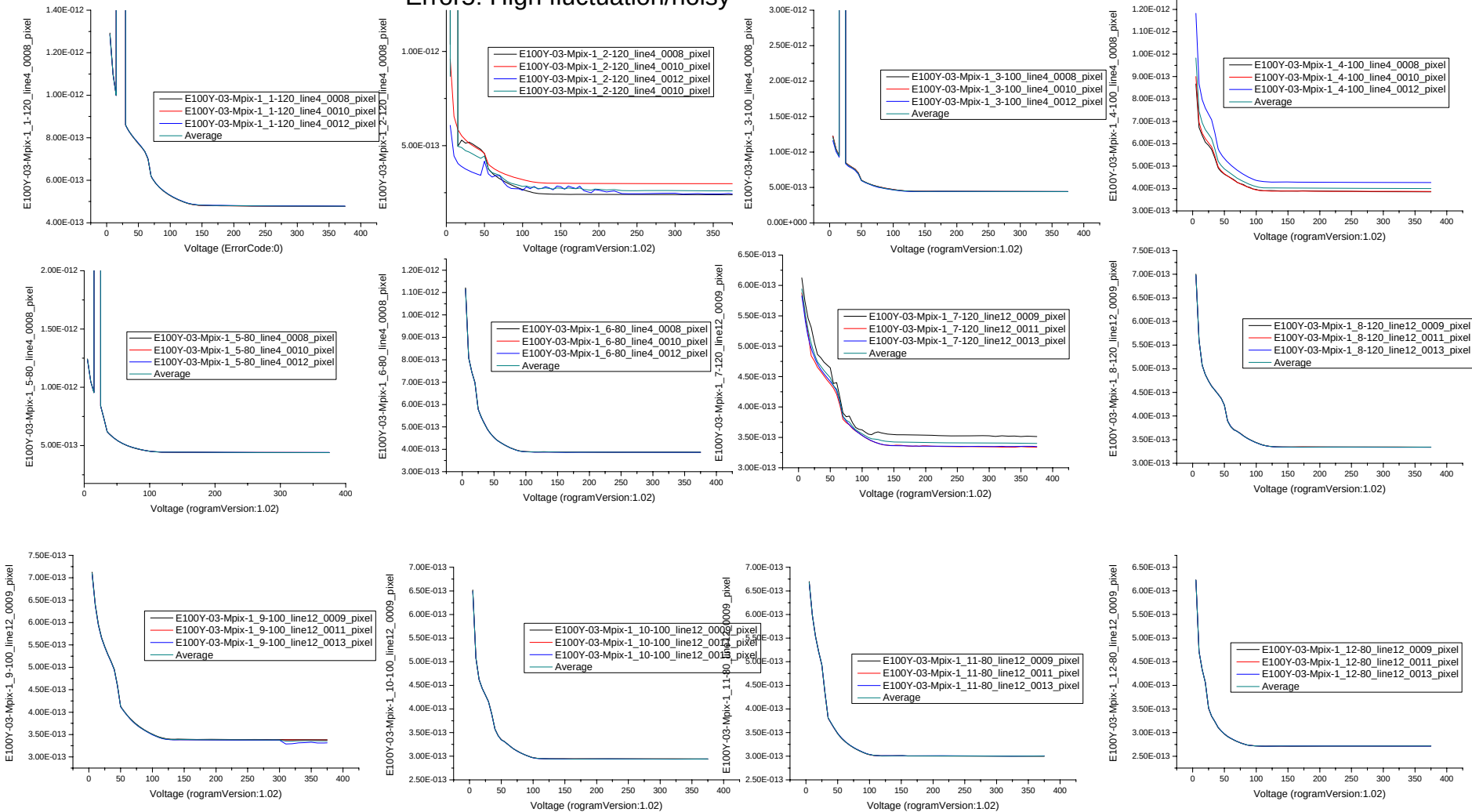


- 1.) Low voltage peaks for P and Y
- 2.) PS << PT
- 3.) 120 > 100 > 80
- 4.) C total (50)*2 ~ C total(100)

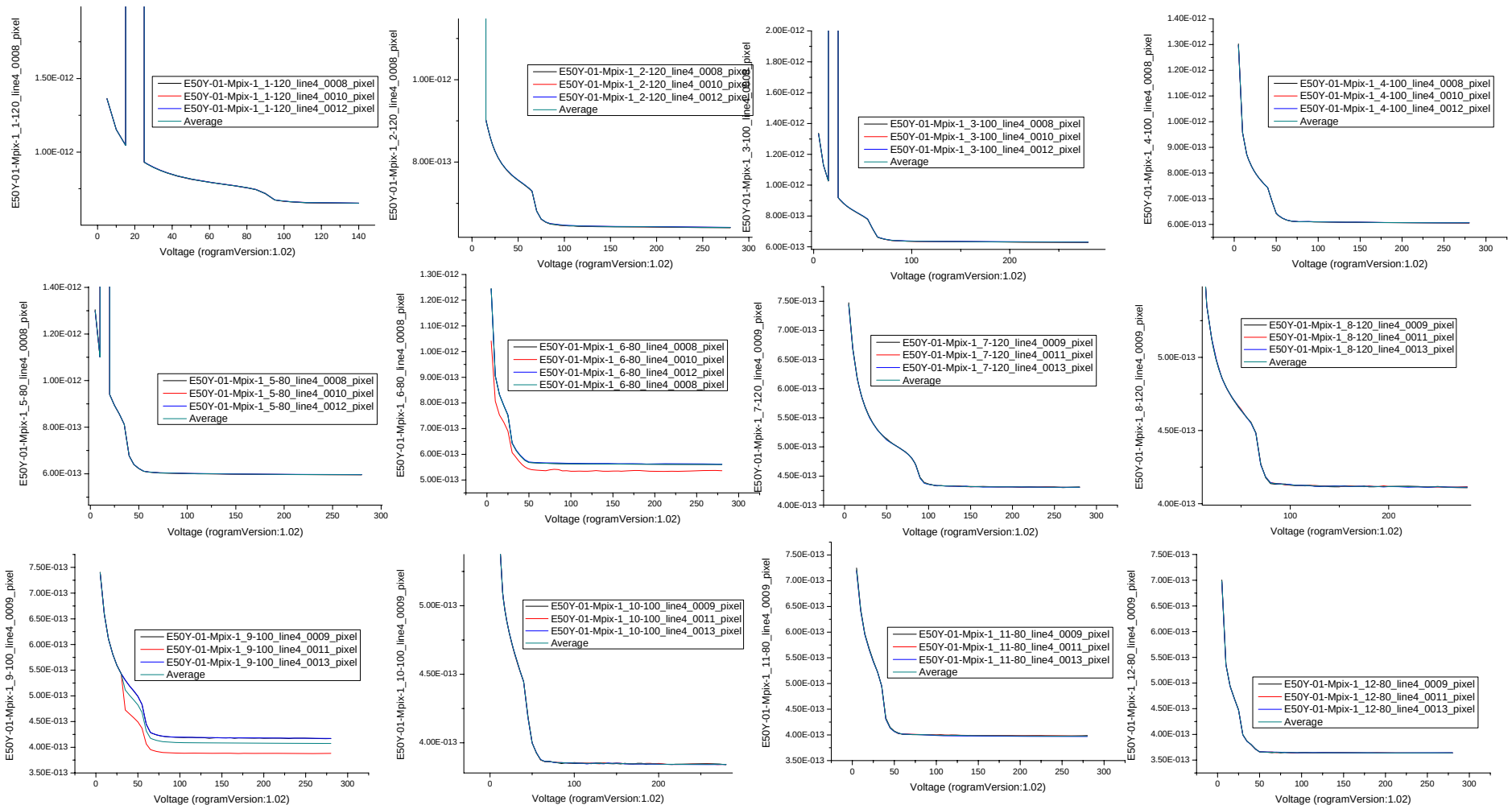
-Long PS have low voltage peak for long

E100Y-03-Mpix-1

Error5: High fluctuation/noisy

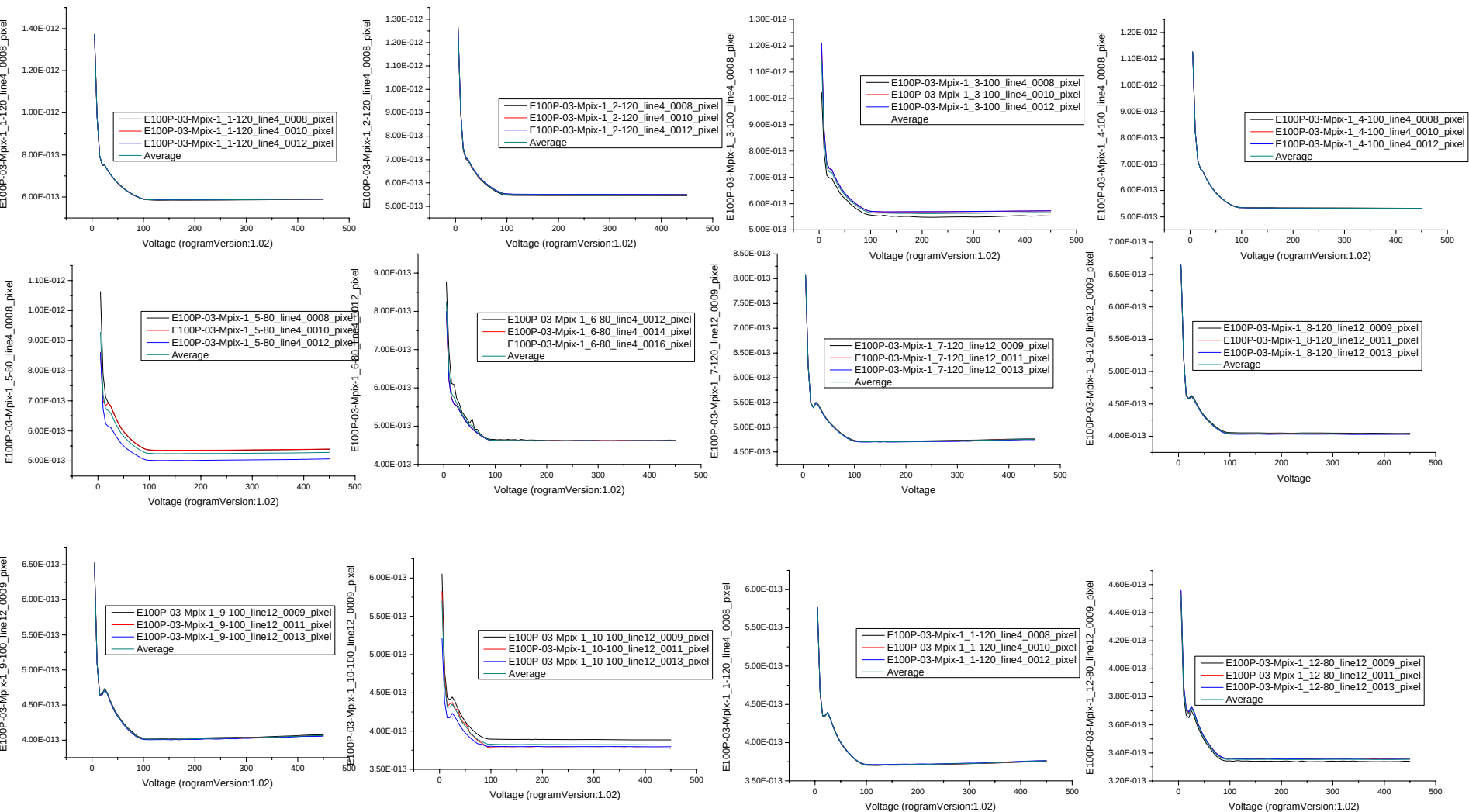


E50Y-01-Mpix-1



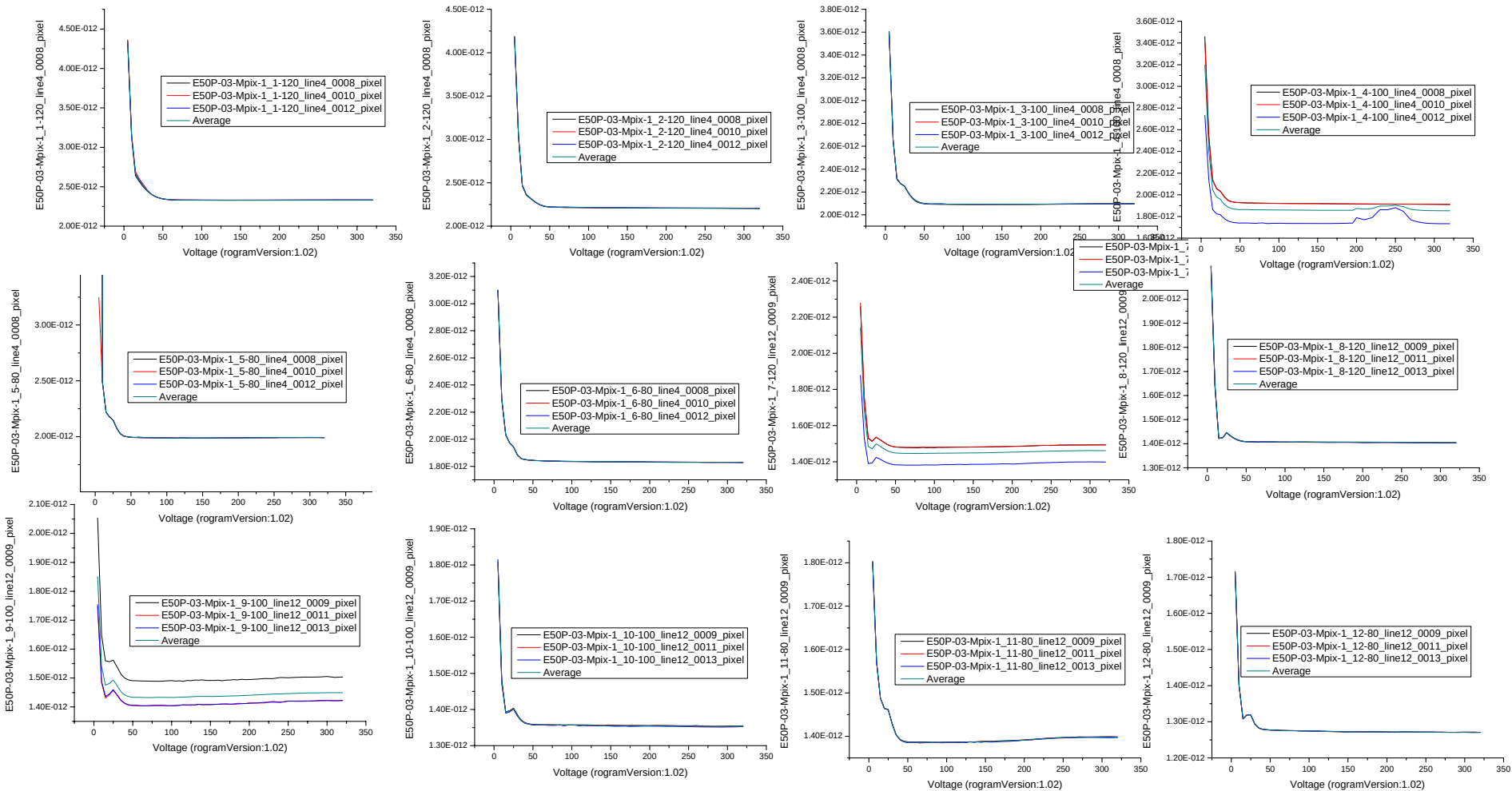
- Well seen peak for short

E100P-03-Mpix1

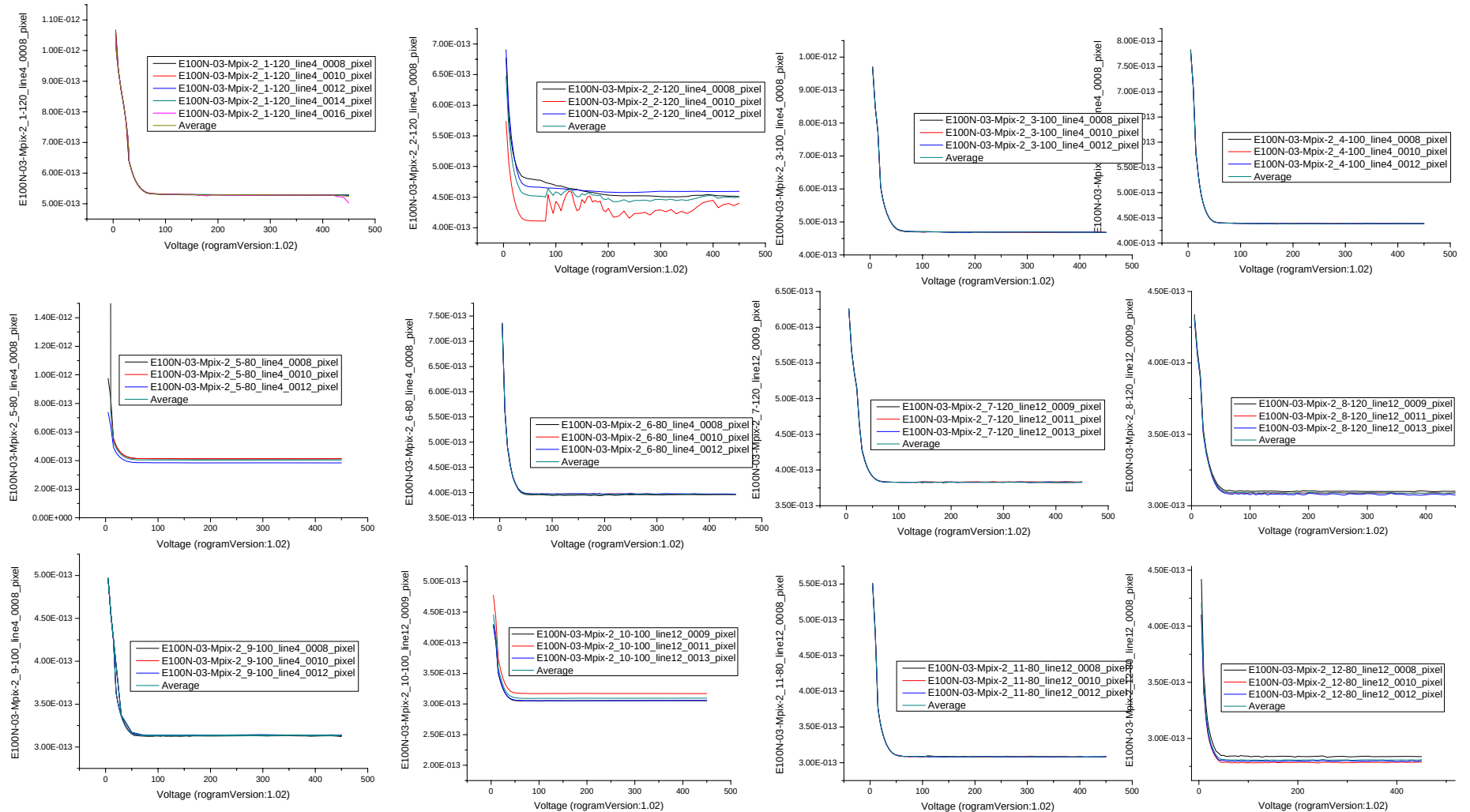


- In plots not needle corrected

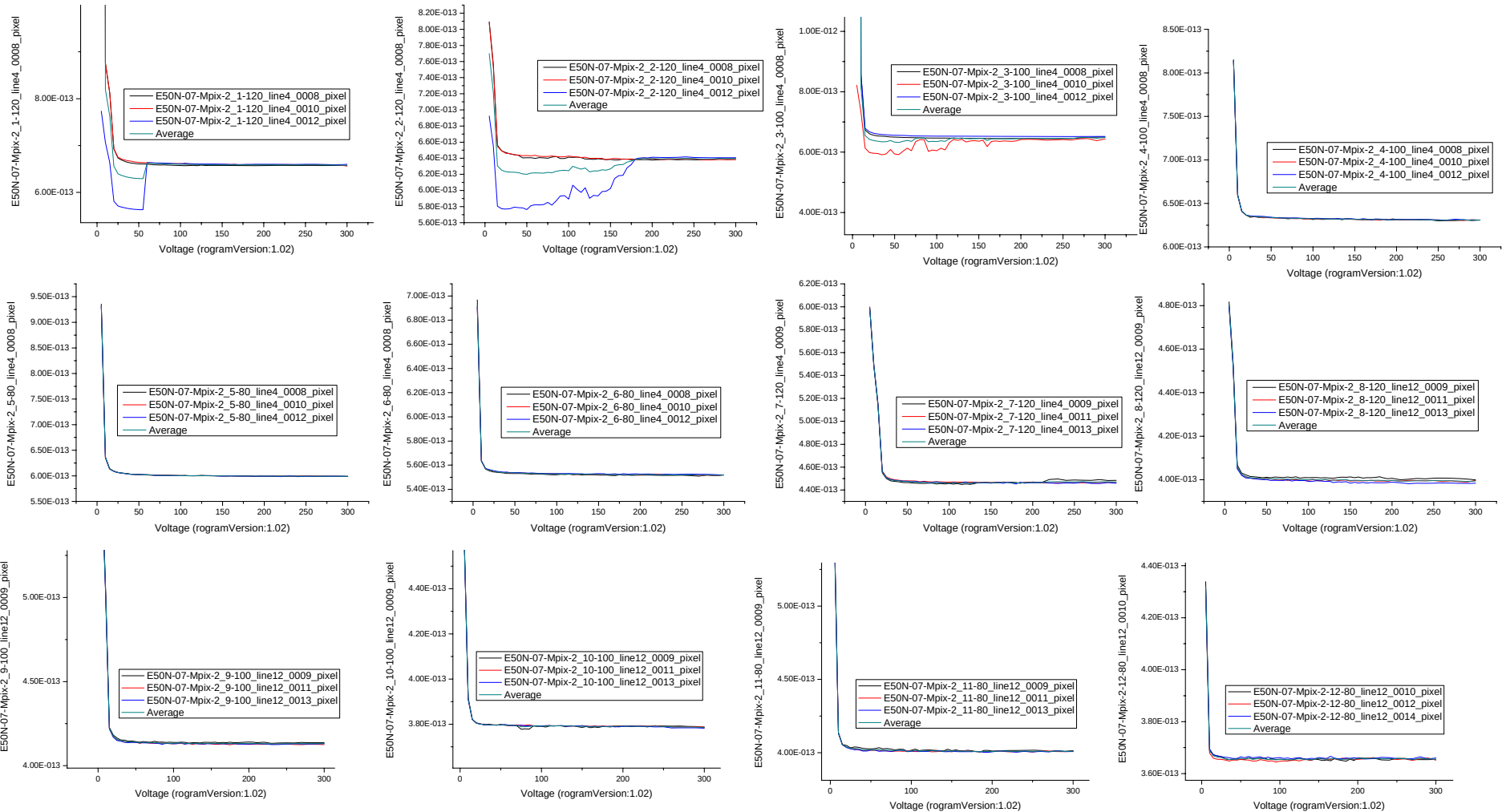
E50P-01-Mpix-1



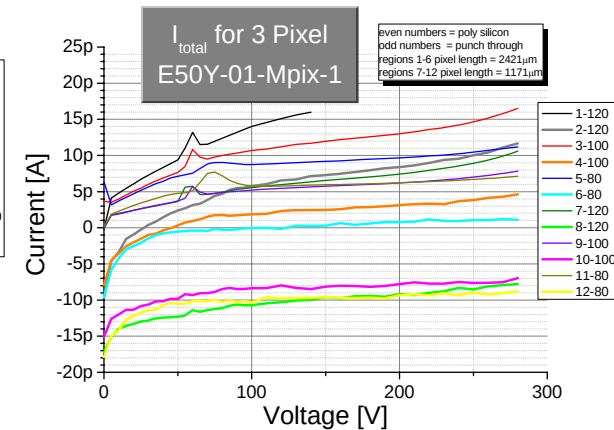
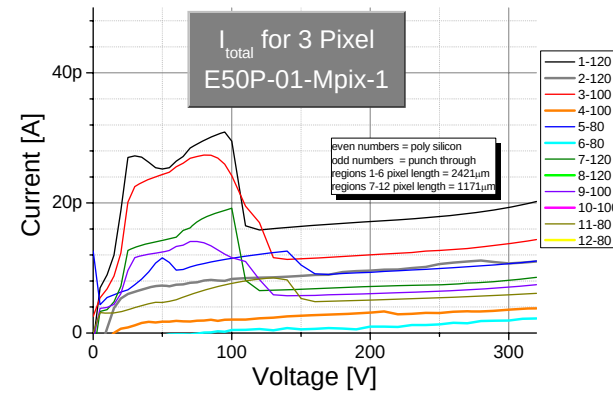
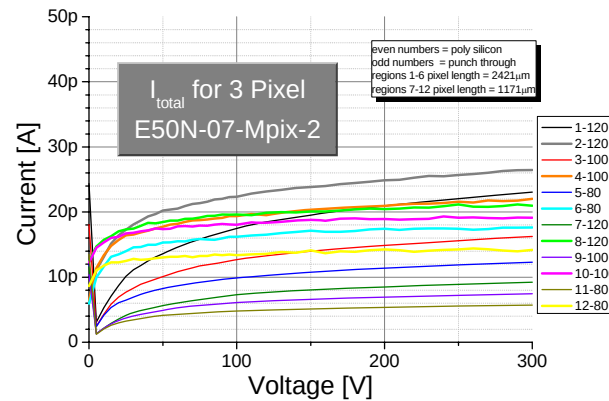
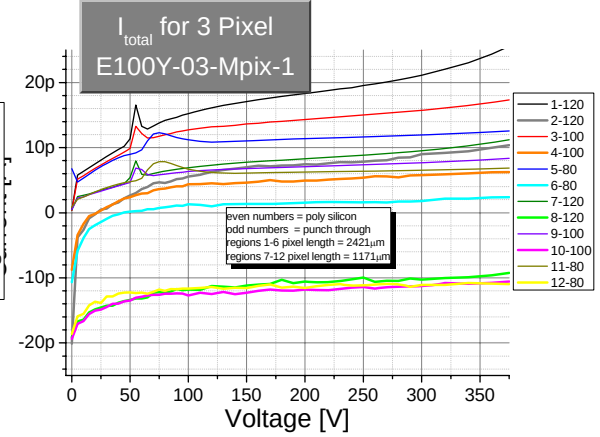
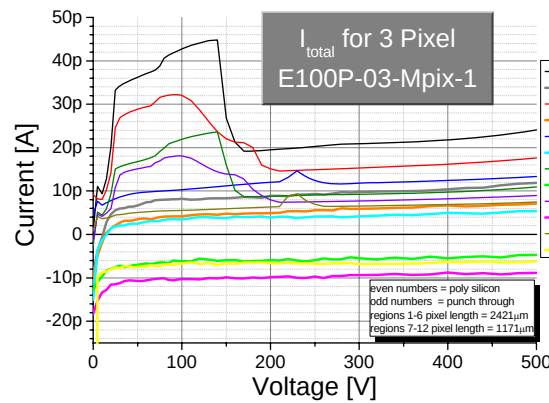
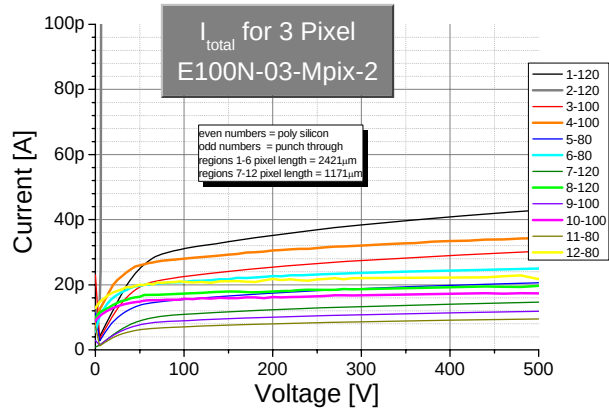
E100N-03-Mpix-2



E50N-07-Mpix-2



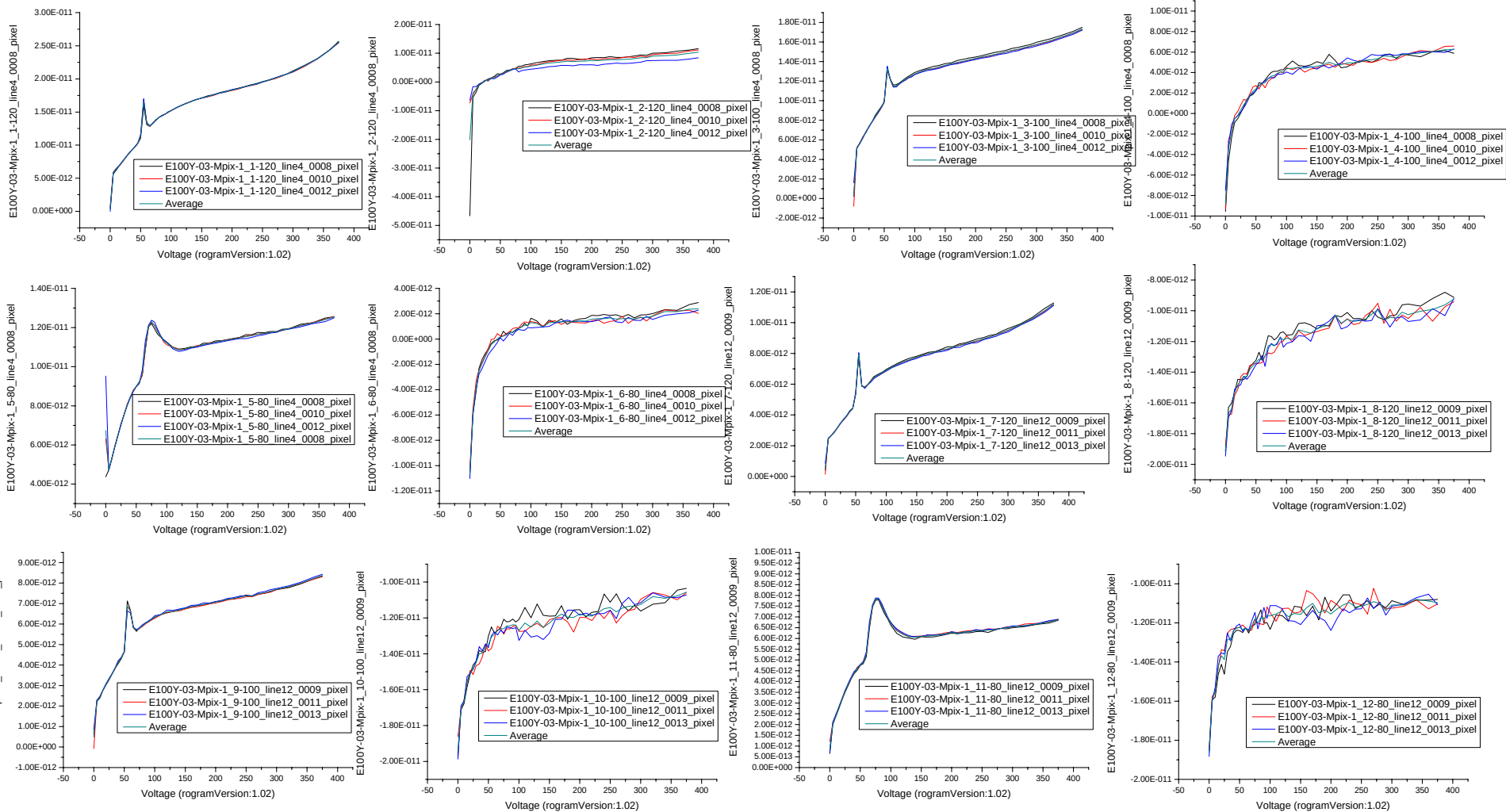
I_{TOTAL}



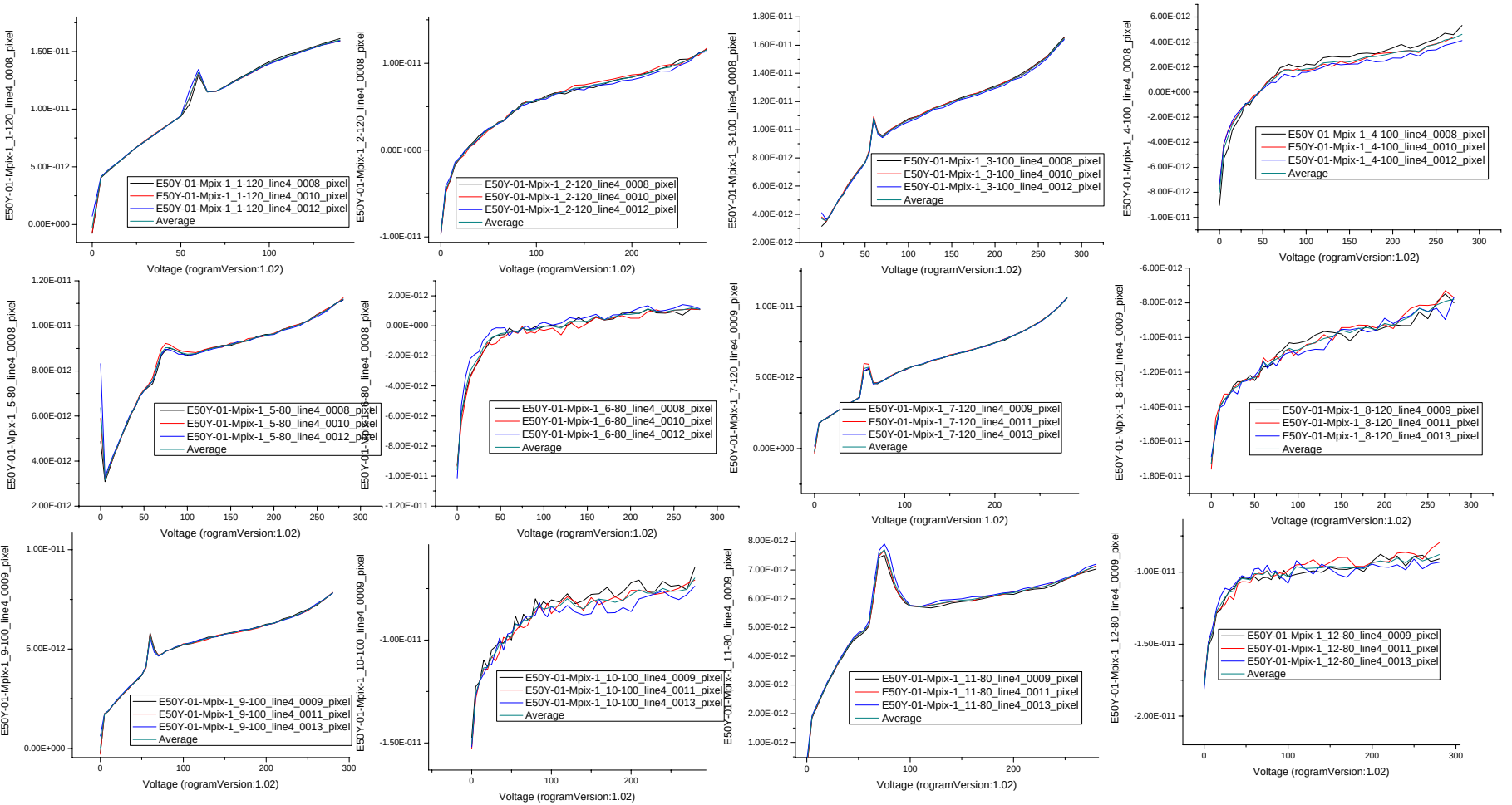
- 1.) No low voltage peak for N, small for Y, large for P
- 2.) Rauschen fuer PS
- 3.) PT-Peak larger for smaller pitch (Y)
- 4.) For N and PT first value at 0V isn't ~0A
- 5.) OFFSET for PS for P and N !!!

- Peak for PT, higher noise for PS

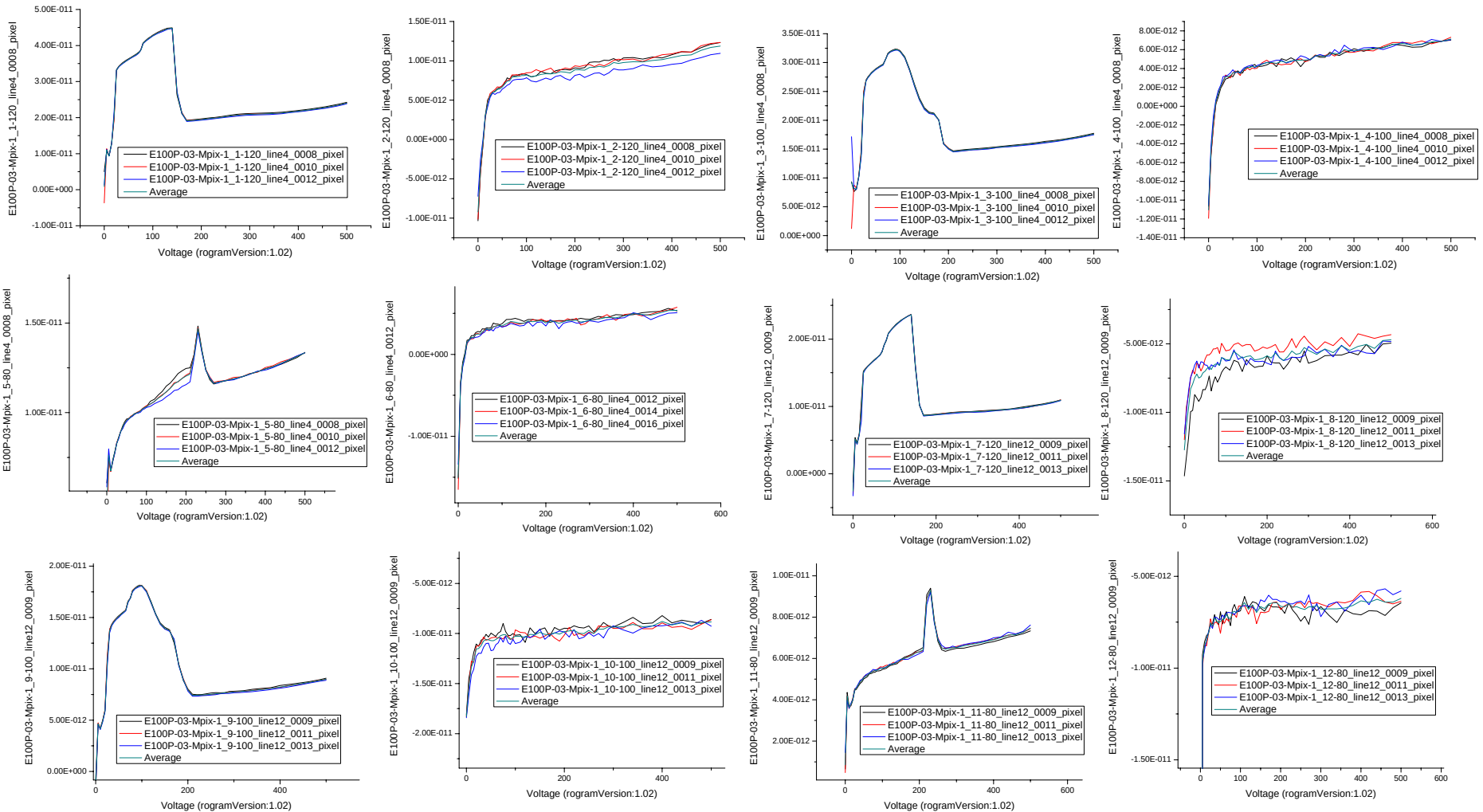
E100Y-03-Mpix1



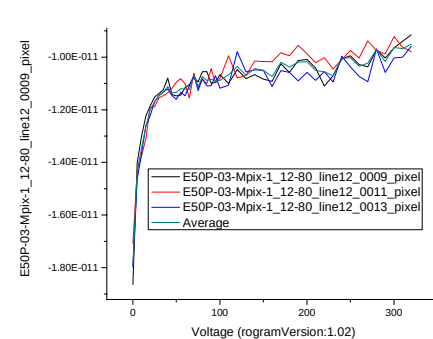
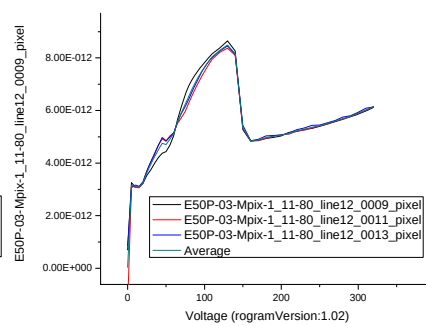
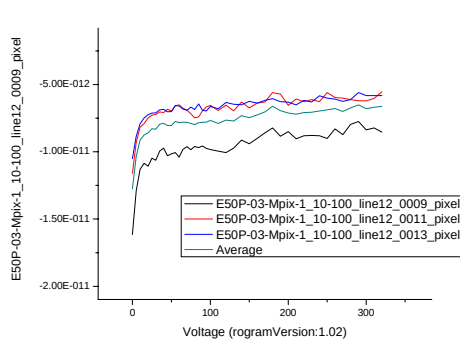
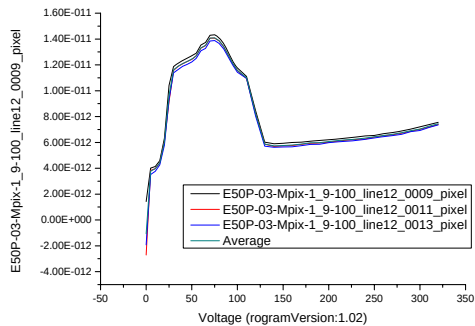
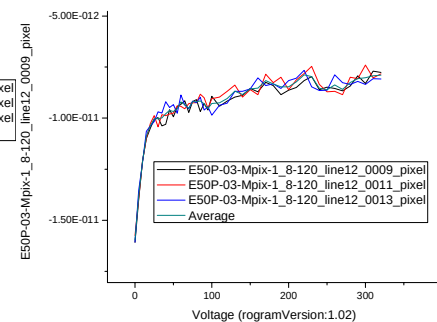
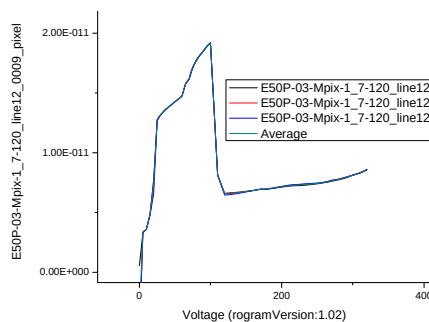
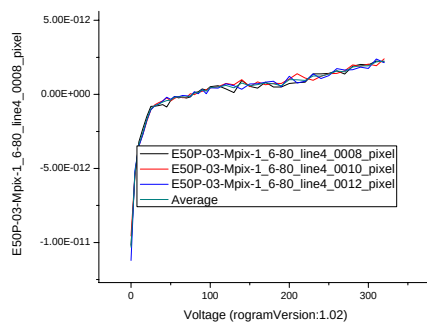
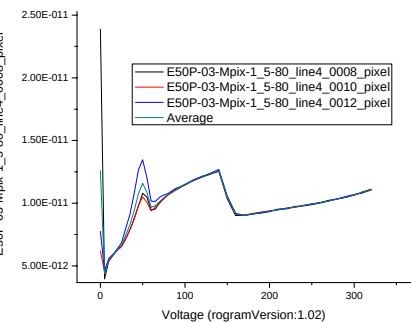
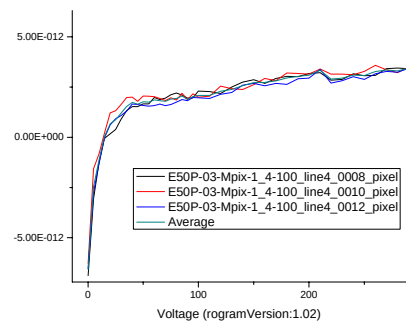
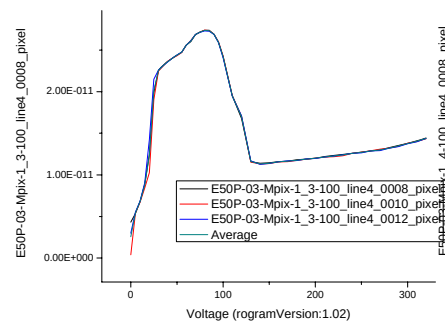
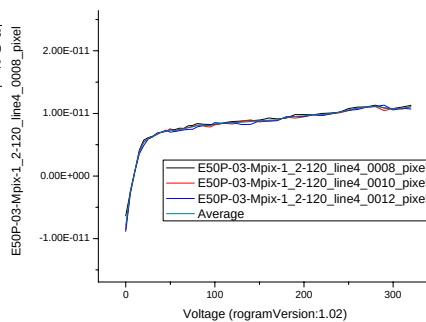
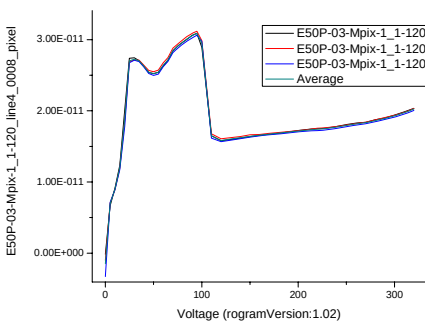
E50Y-01-Mpix-1



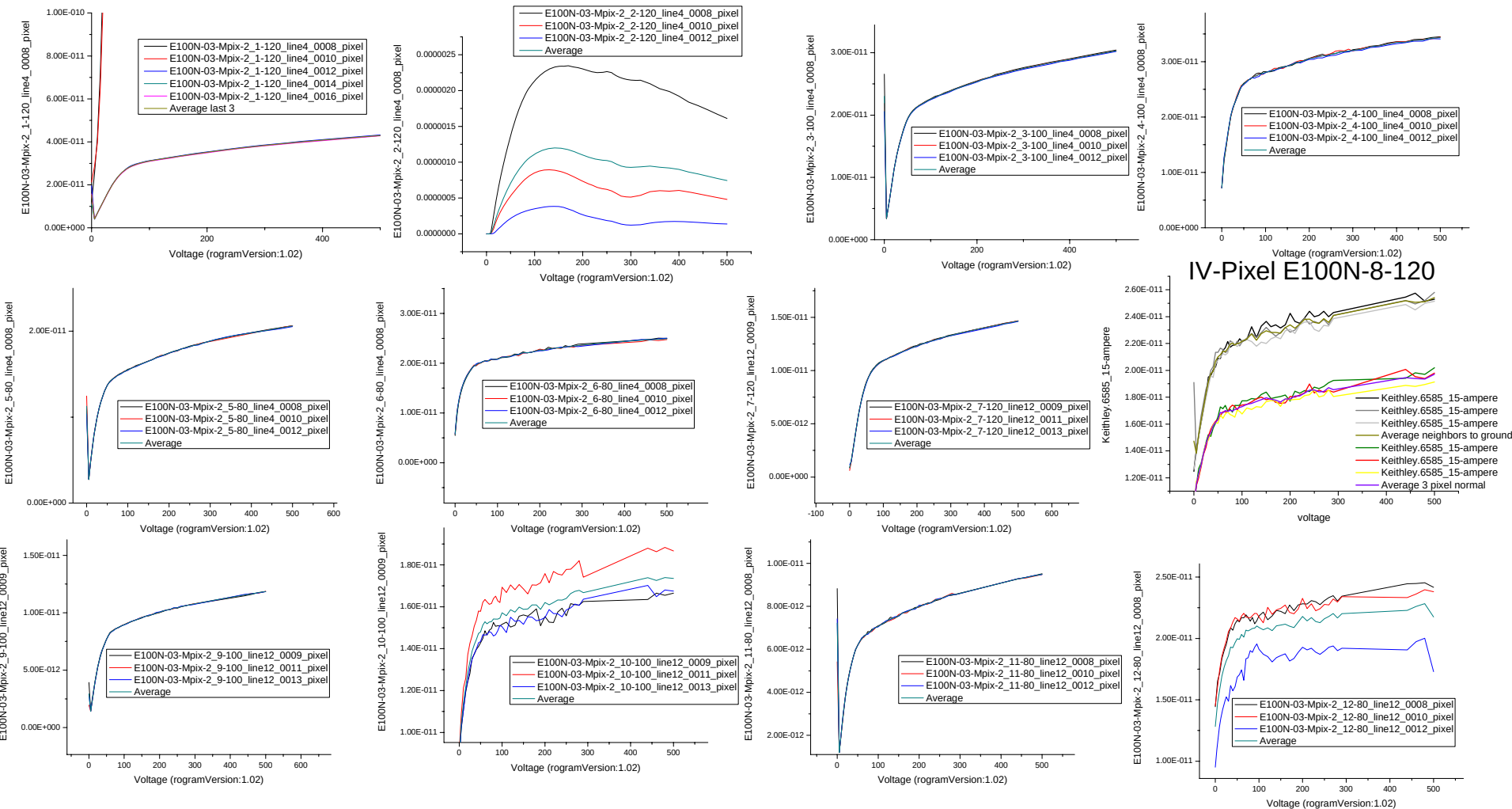
E100P-03-Mpix-1



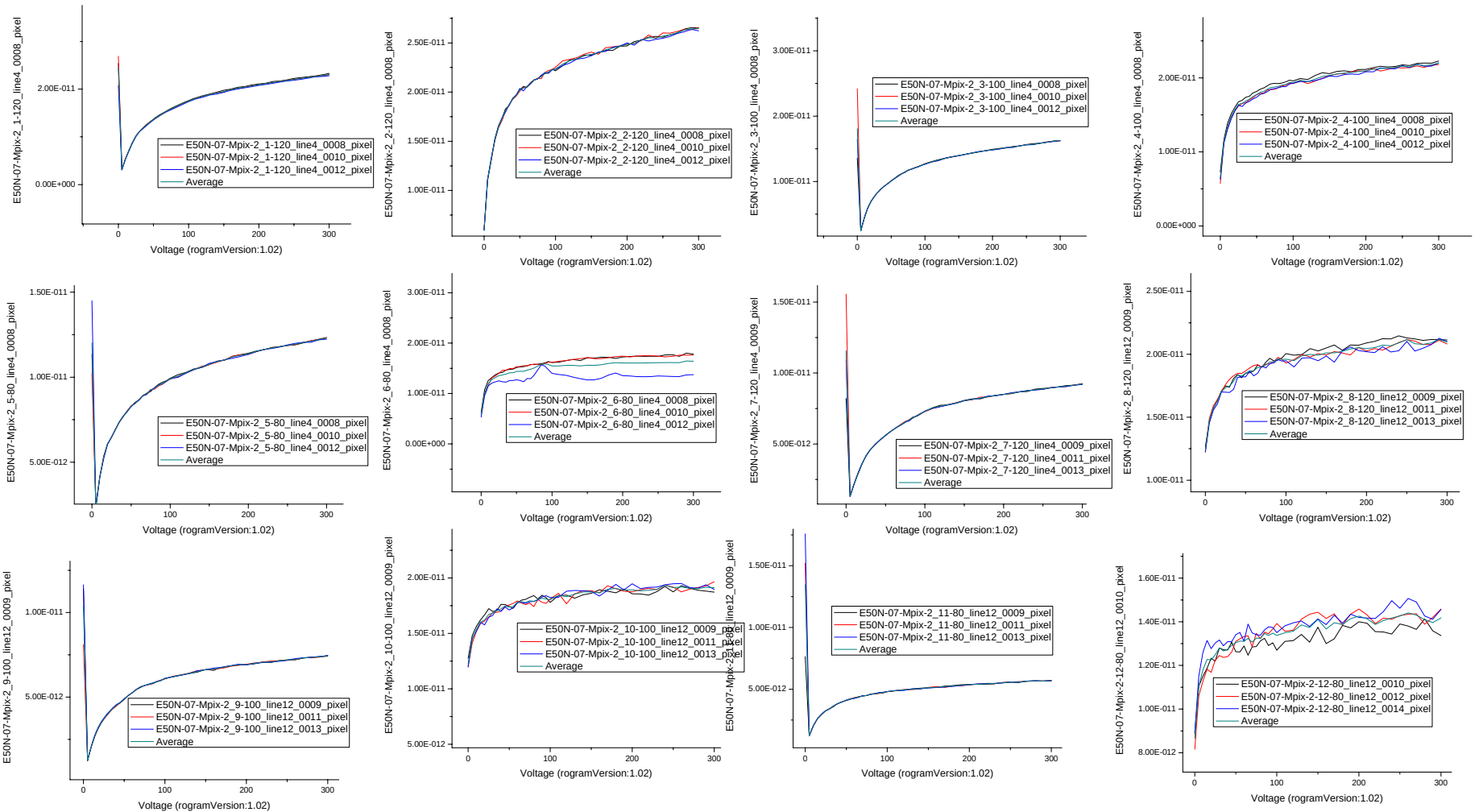
E50P-03-Mpix-1



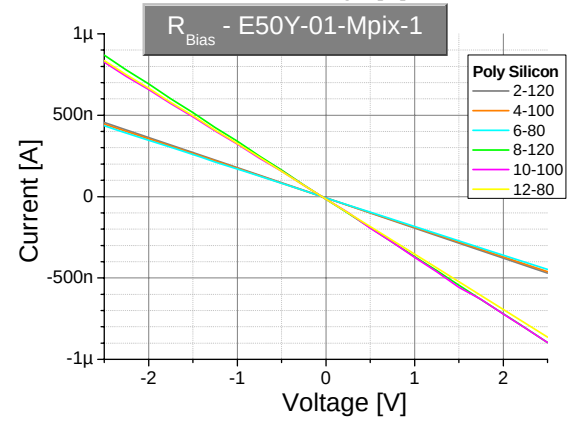
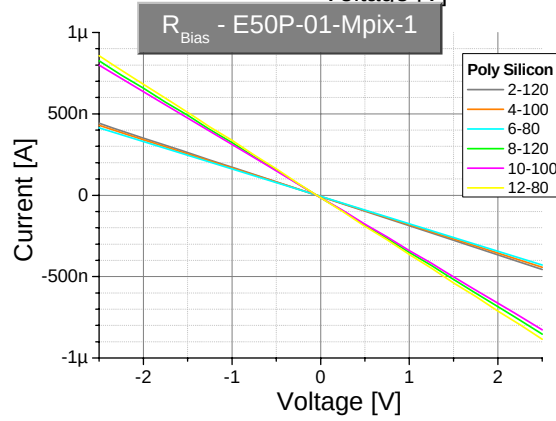
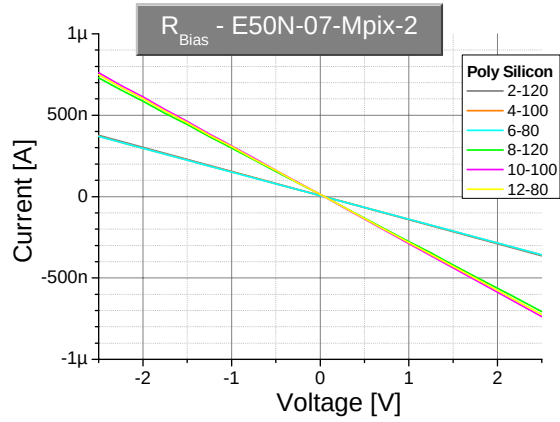
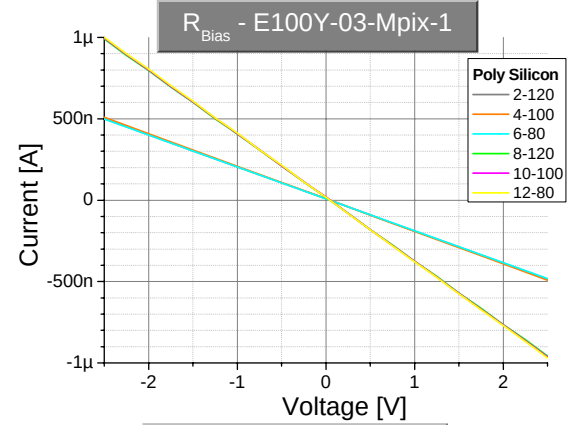
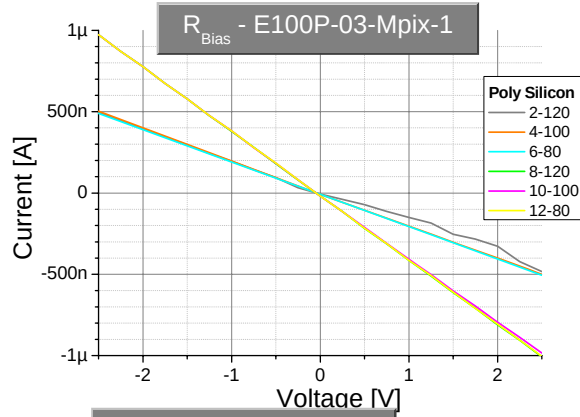
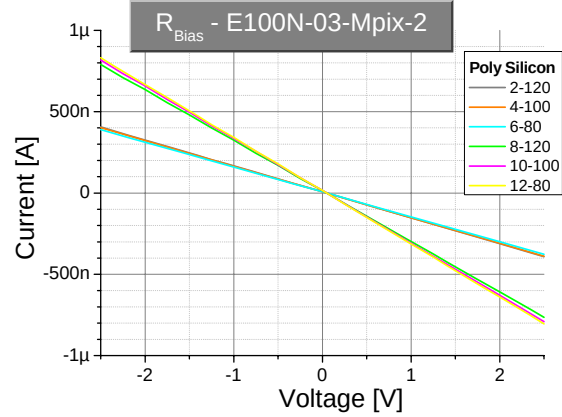
E100N-03-Mpix-2



E50N-07-Mpix-2

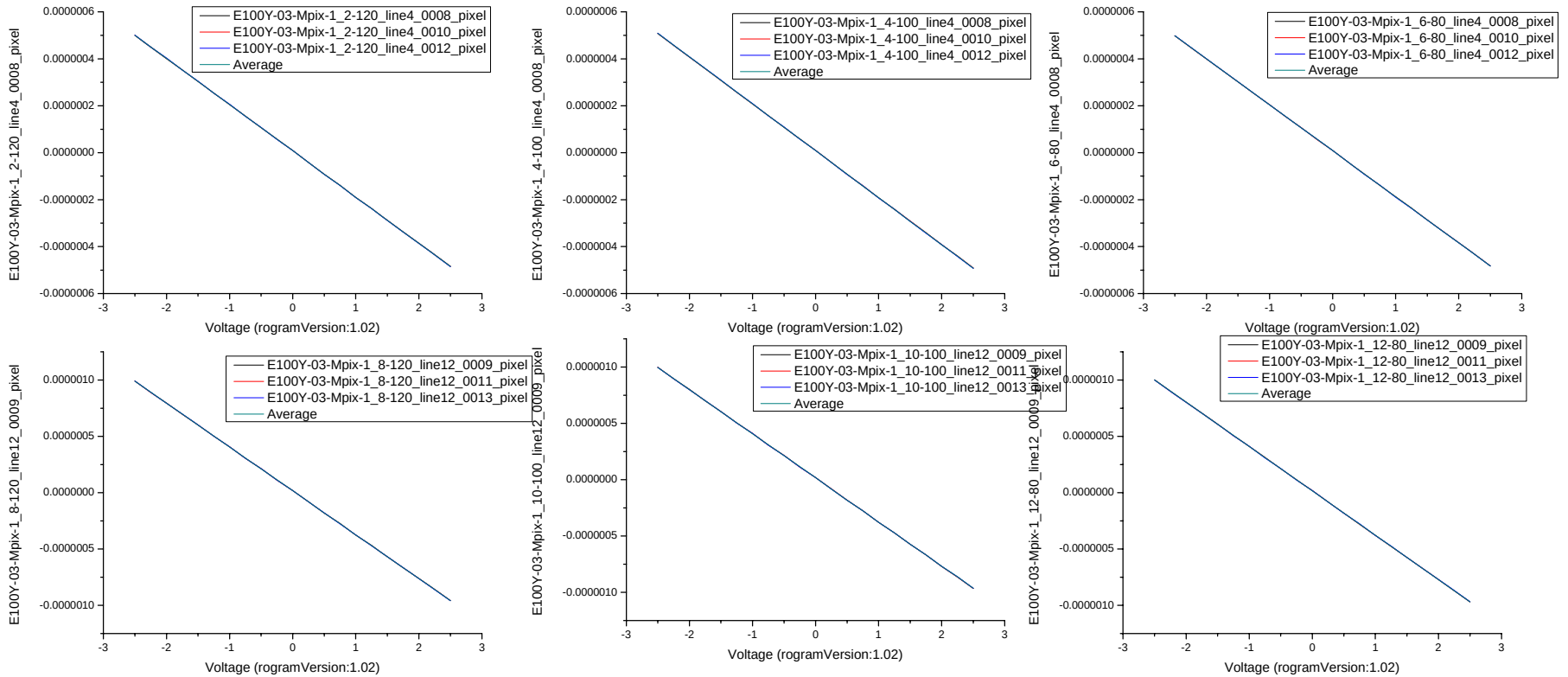


R_{bias}

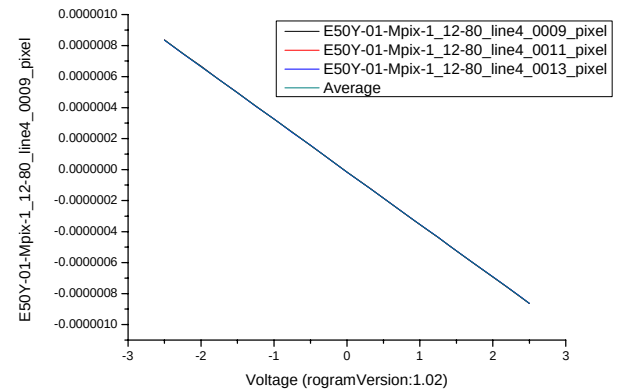
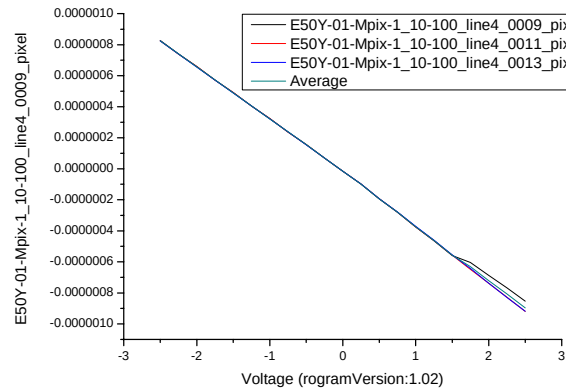
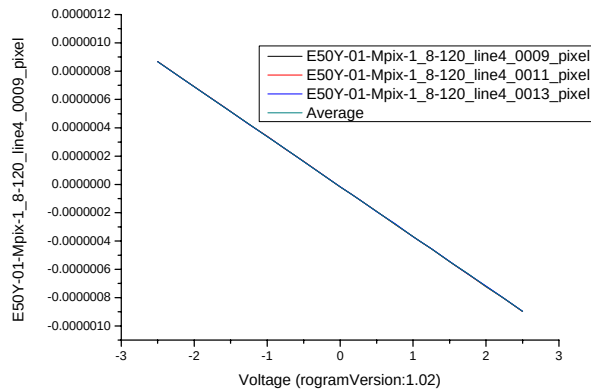
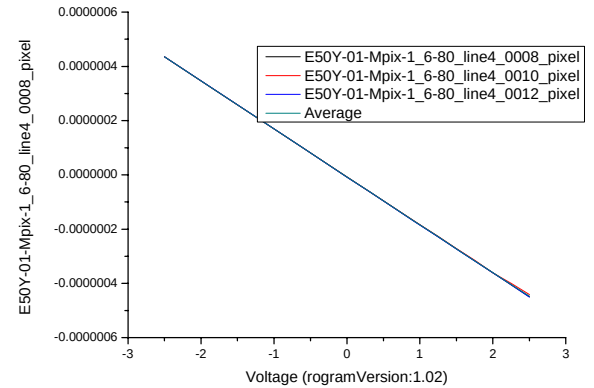
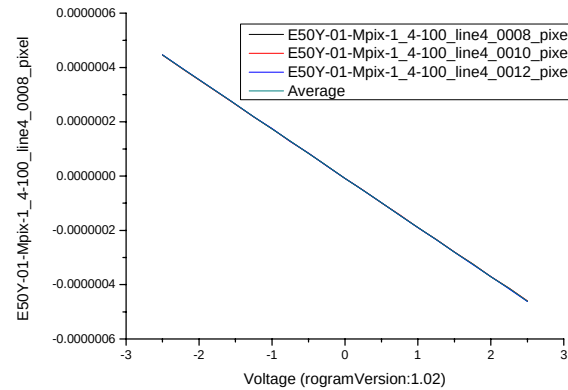
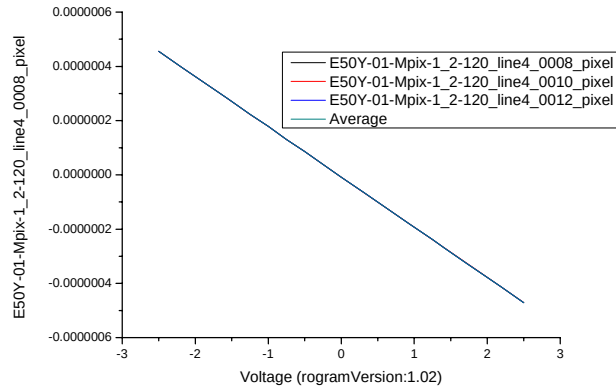


1.)

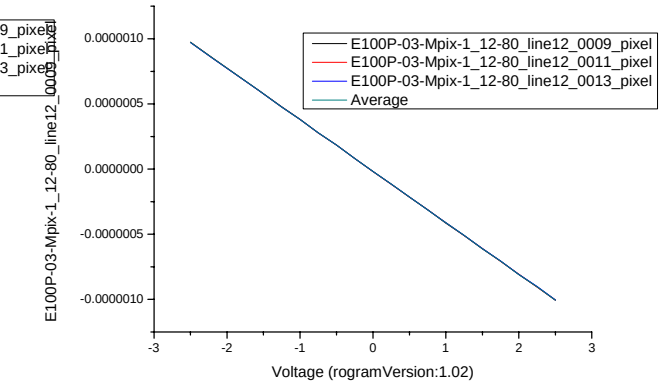
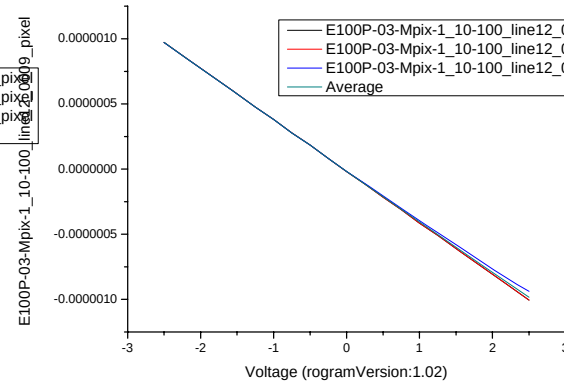
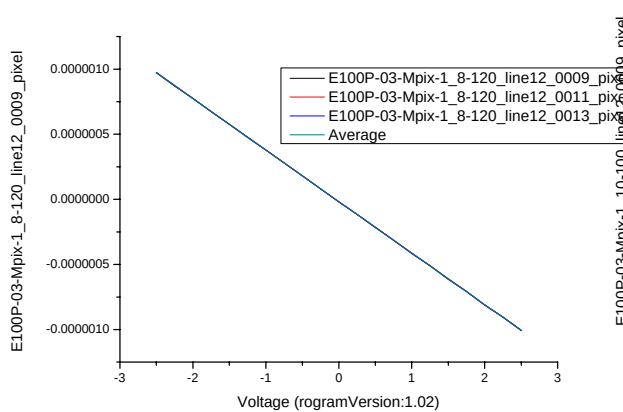
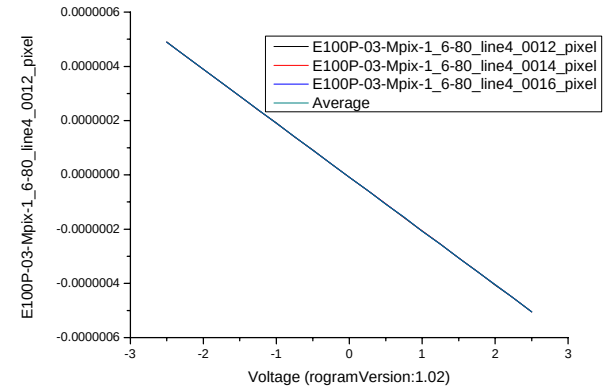
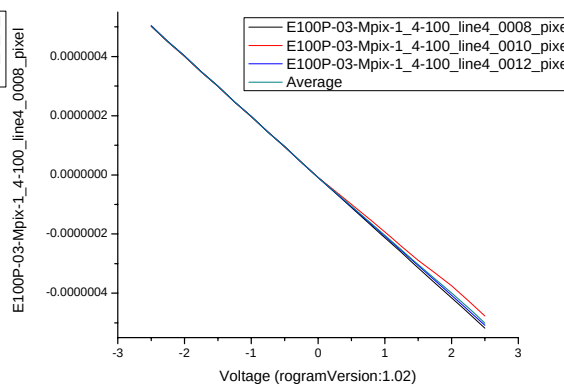
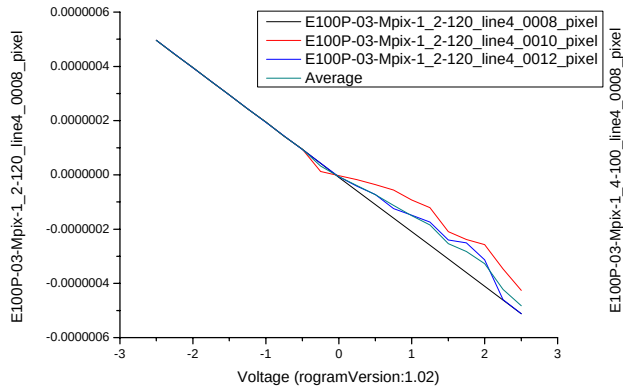
E100Y-03-Mpix-1



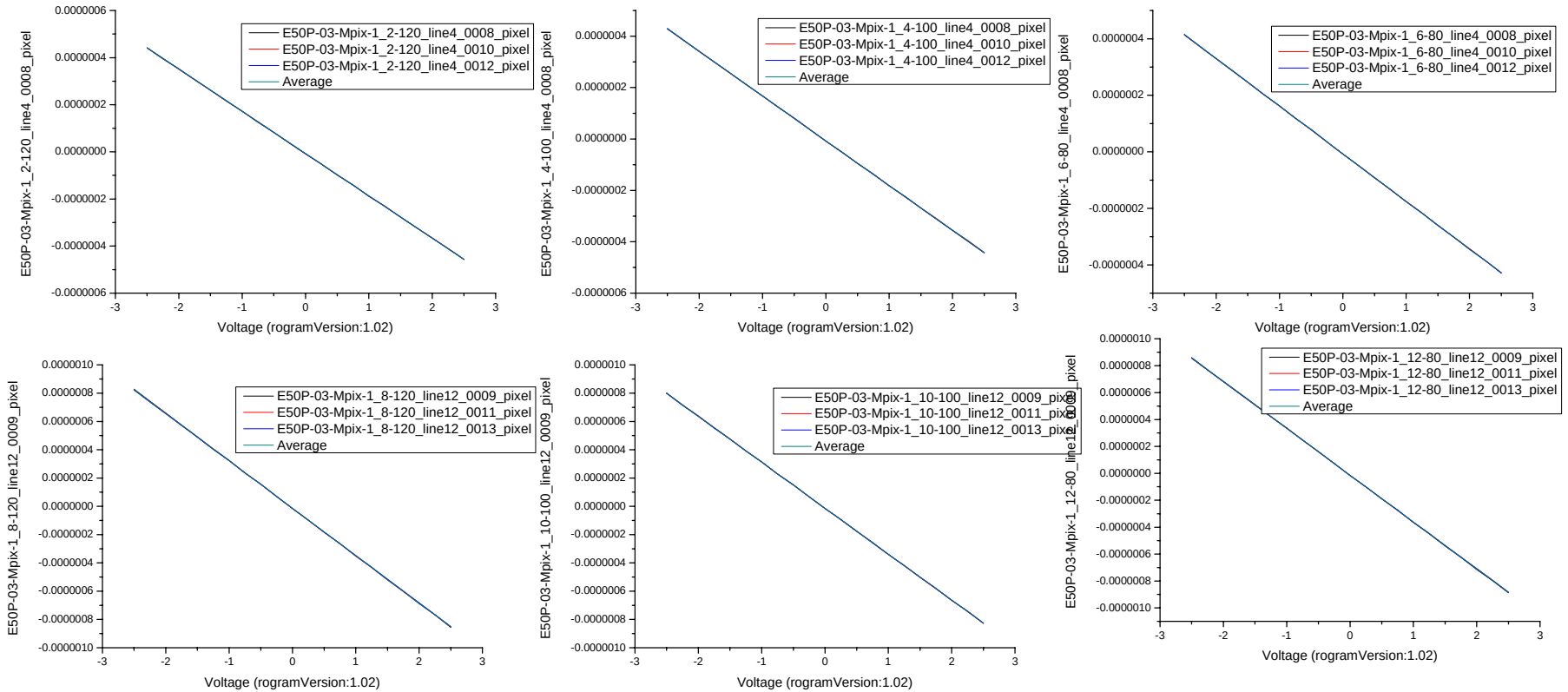
E50Y-01-Mpix-1



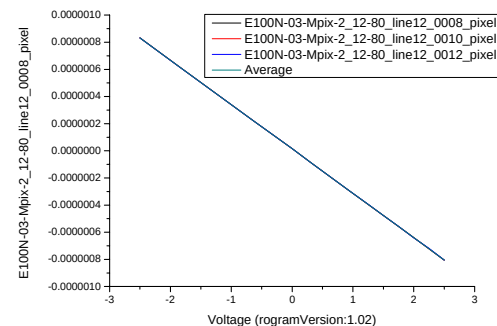
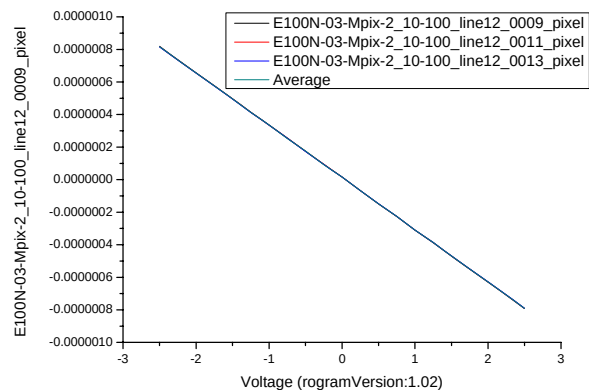
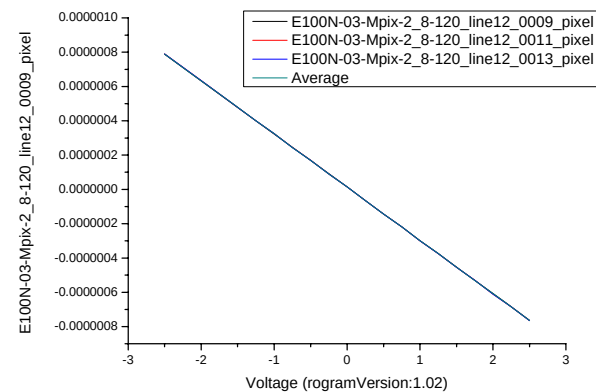
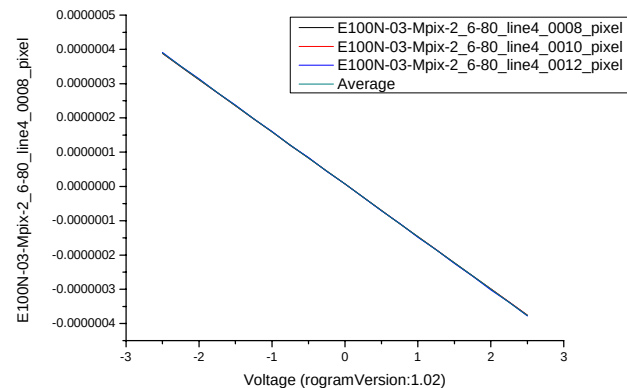
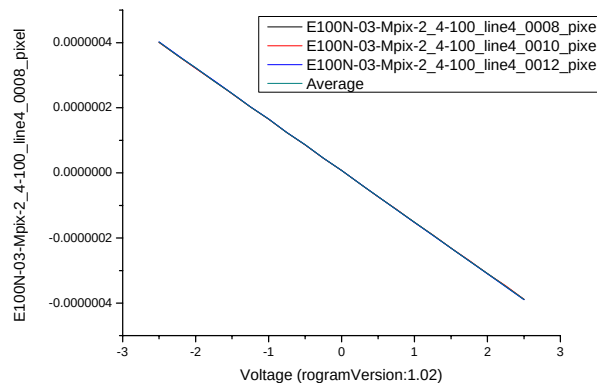
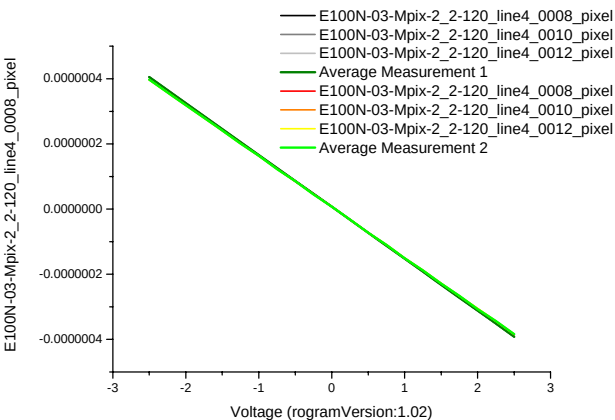
E100P-03-Mpix-1



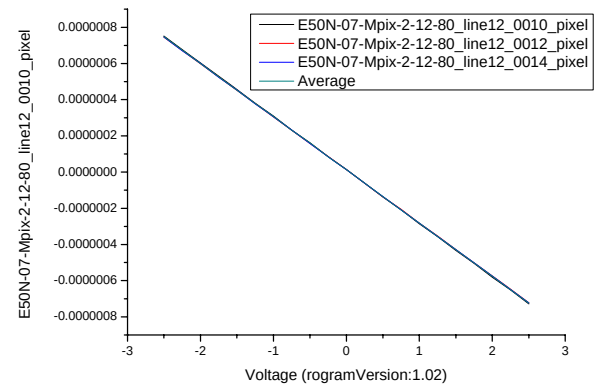
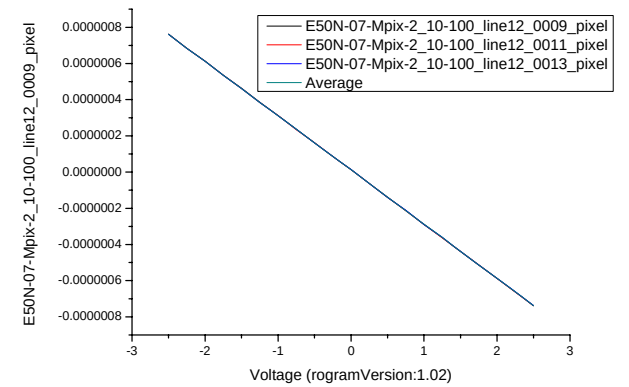
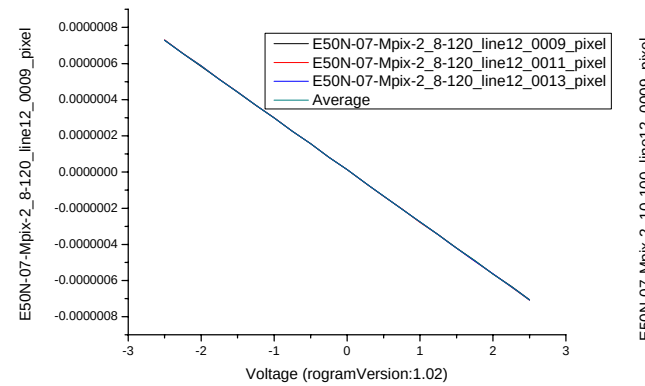
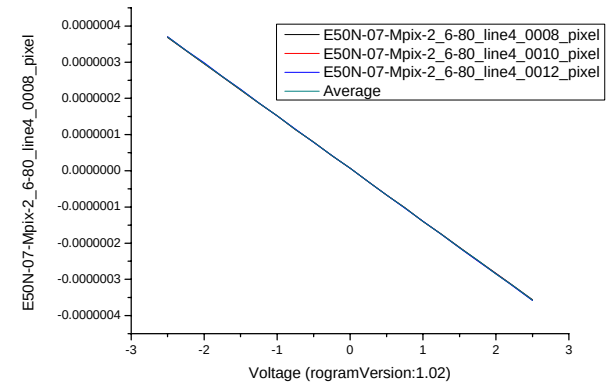
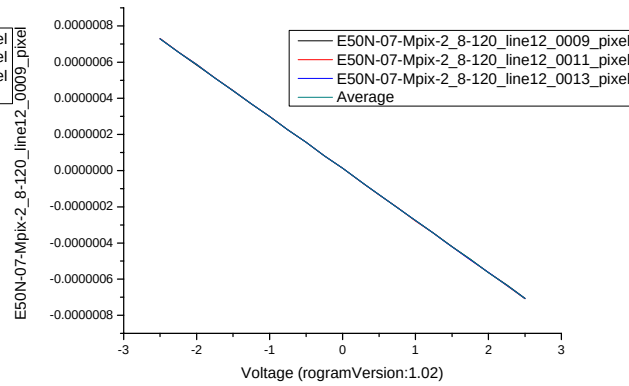
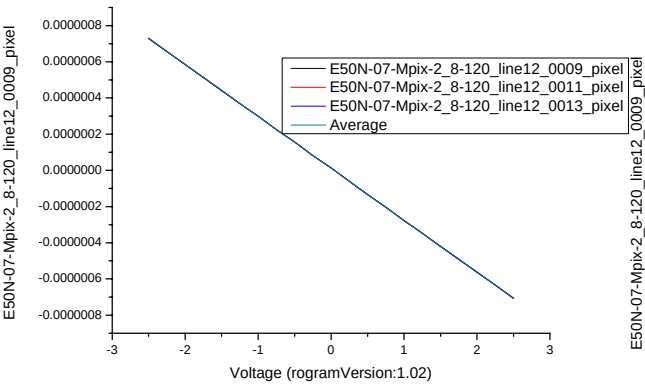
E50P-01-Mpix-1



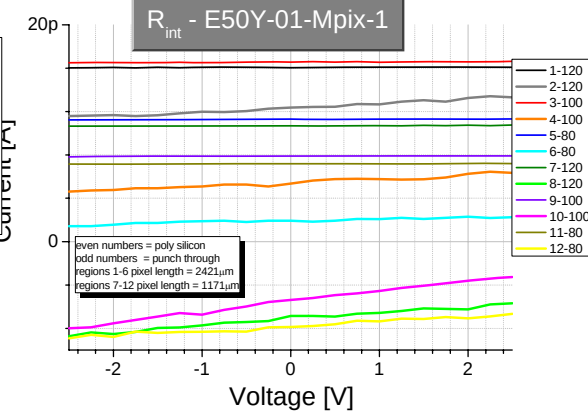
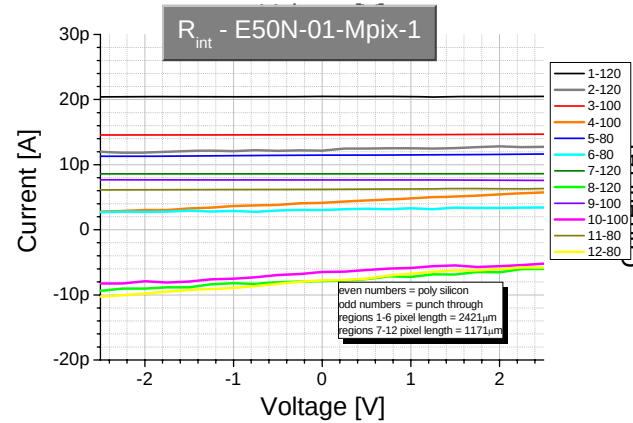
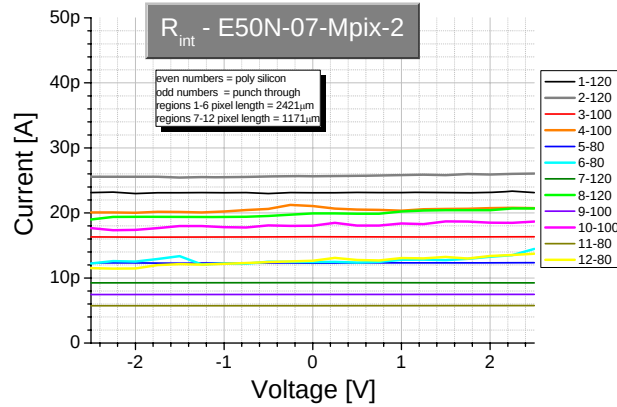
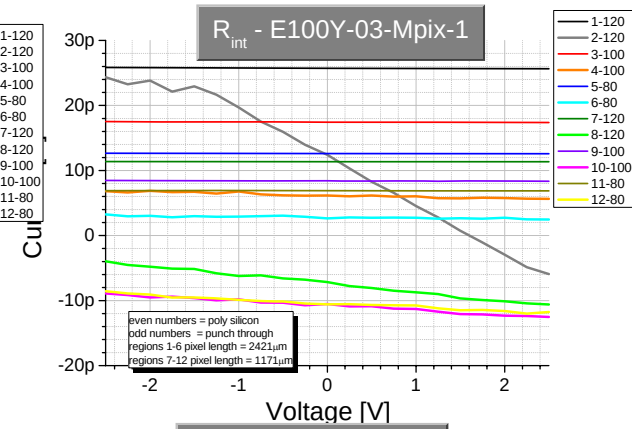
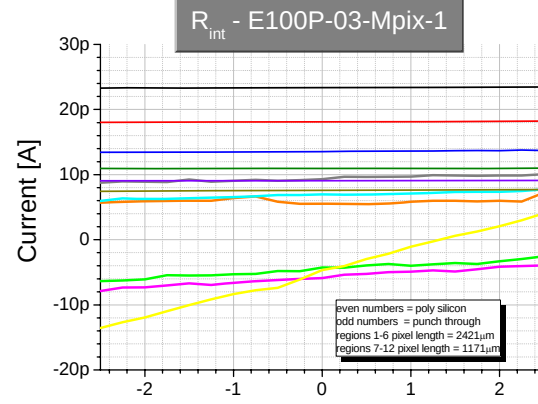
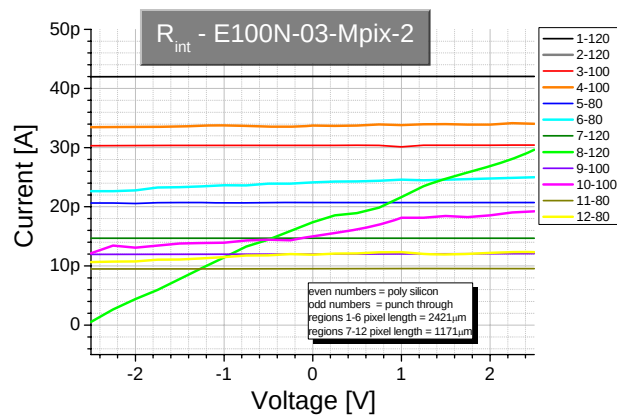
E100N-03-Mpix-2



E50N-07-Mpix-2

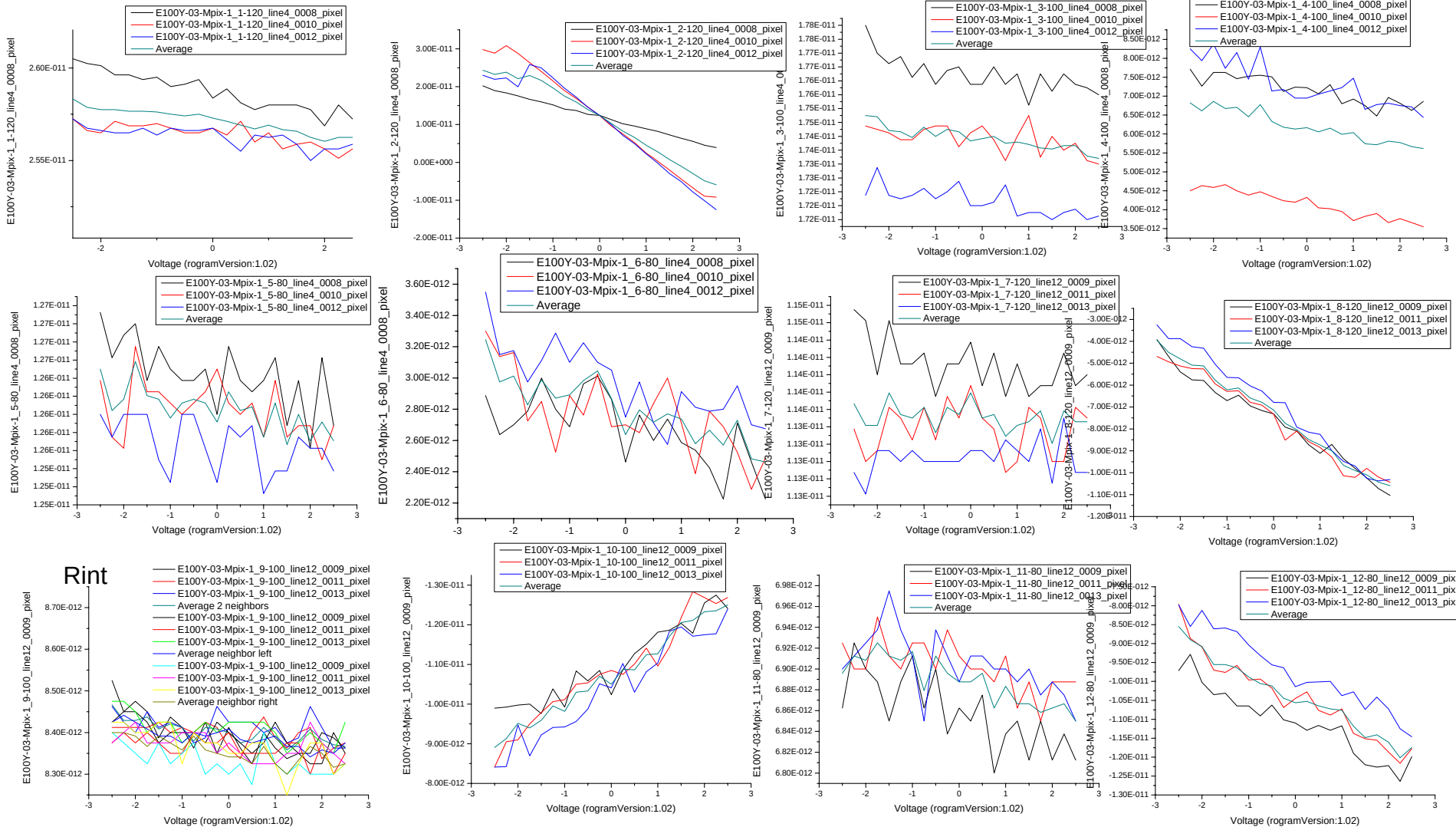


R_{int}

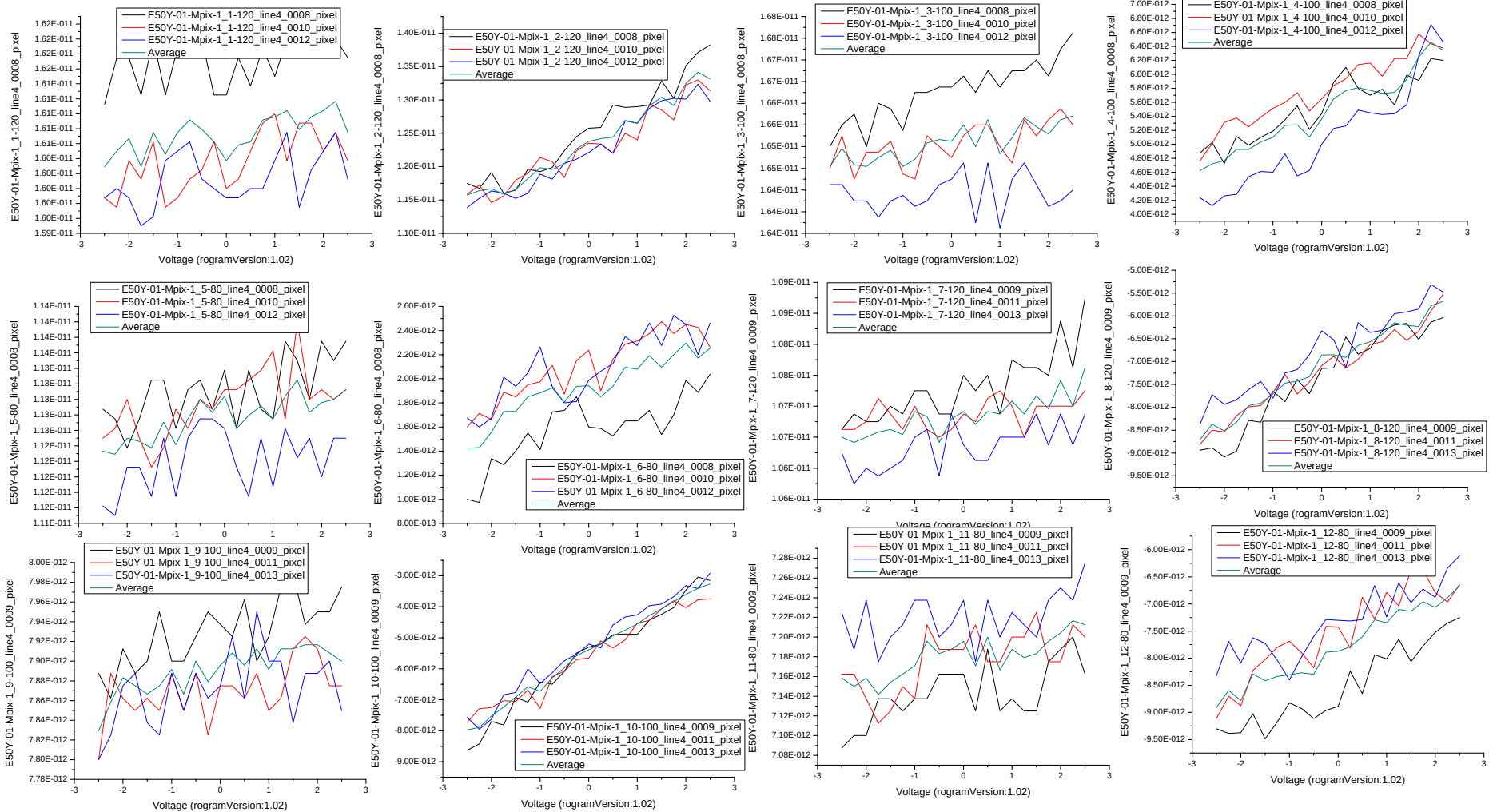


- 1.) Offset 0V ~ I @ Bias Voltage
- 2.) Higher for PT
- 3.) Other slope for Y and P

E100Y-03-Mpix-1

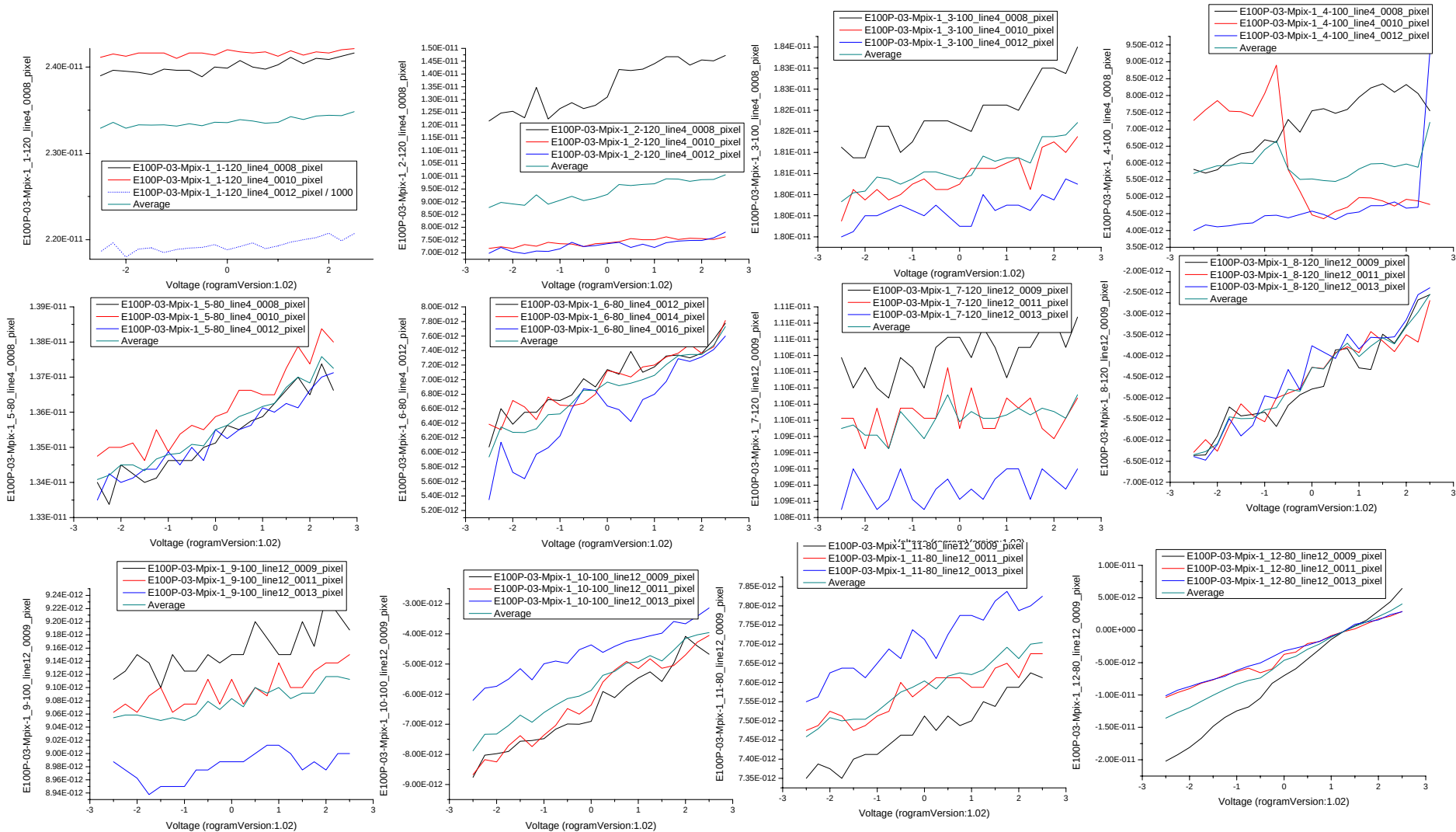


E50Y-01-Mpix-1

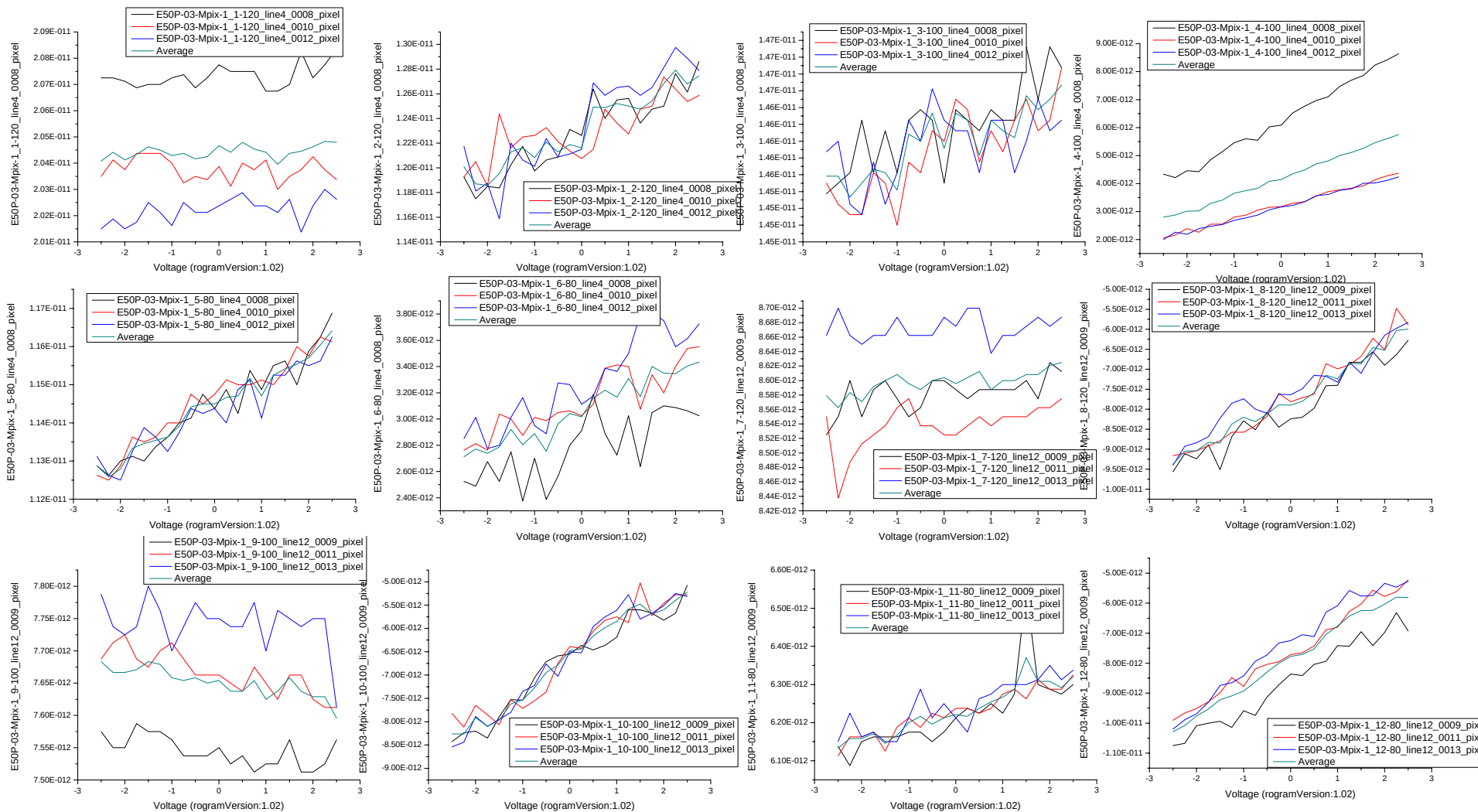


- Other slope than Y !!!

E100P-03-Mpix-1

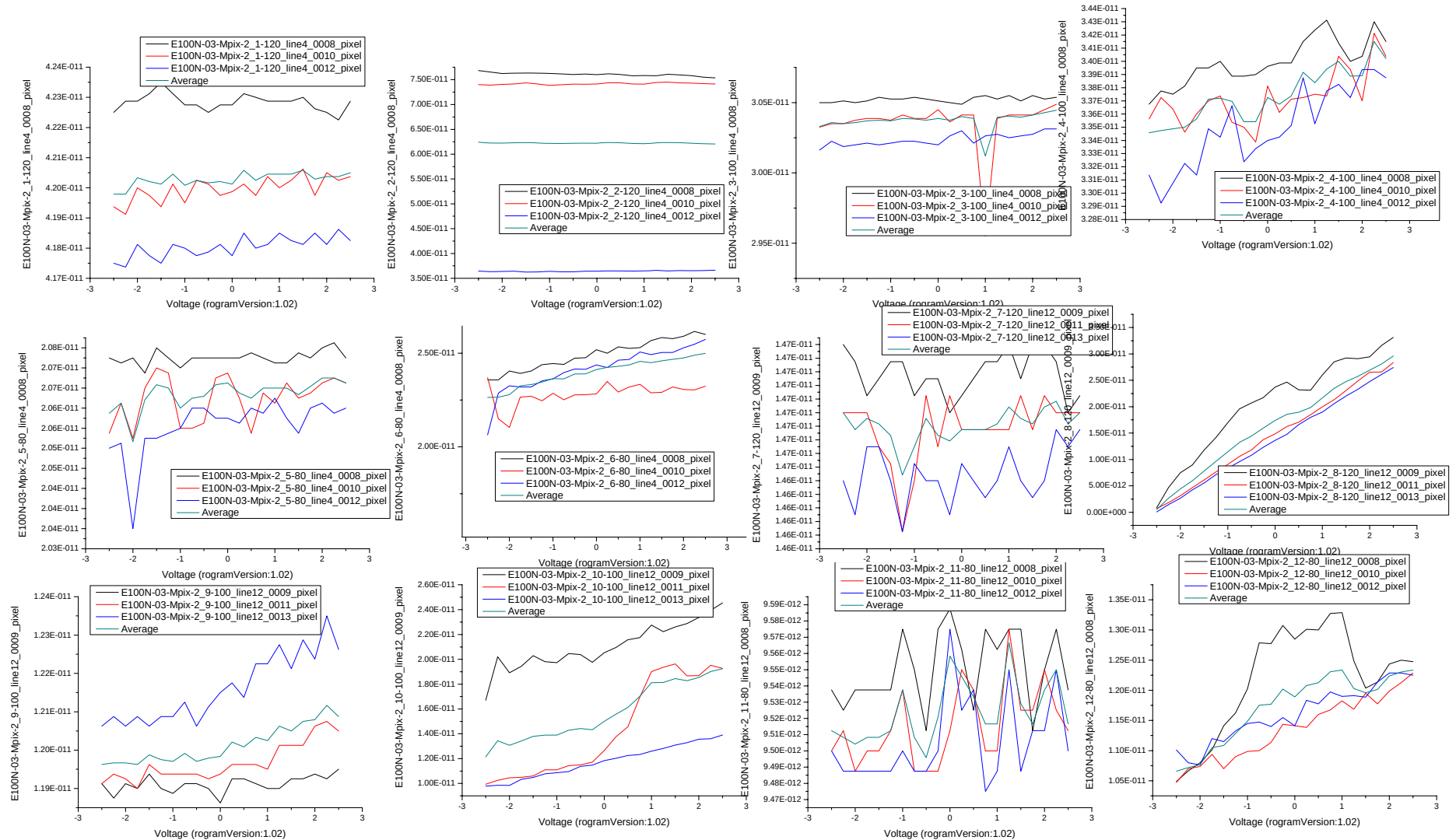


E50P-03-Mpix-1



- Smaller for PS!!!

E100N-03-Mpix-2



- Smaller for PS!!!

E50N-07-Mpix-2

