22.10.24   Slot Cycle

- Home position set: x 22 / y 133.25 = 66.625
- Wheel is removed, we start with large aperture
- still mounted 2 fine, start with dark voltage
   { 2 fine - Dark Voltage Scan - ... }
   { 2 fine - Voltage Scan - ... }   2,01 → 1,97 nA
⟹ We again choose 1,9 V
- y-translated for normalization { _ YScan_ } 2,00 nA → 1,80 nA
     ↳ from 32.625 → 100.625

- Linearity + Voltage (1 → 2V, 0.1V steps):   { _ Linearity }
    - 0.50 nA → 0.496 nA
    - 1,00 nA → 0.998 nA
    - 1,59 nA → 1,484 nA
    - 2,50 nA → 2,48 nA

- Golframic comparisons: 0 → 44 x scan 0,5 steps { Gof Comp x }
  · 200 µm diffuser: 2,01 nA → 1,96 nA
       ↳ Golframic delay: ~ 5 min
  · 400 µm diffuser: 1,00 nA → 0,995 nA
       ↳ Gof delay: ~ 5 min
  · 40 µm diff: 2,03 nA → 1,986 nA
       ↳ Gof delay: ~ 5 min
    Logo 200 µm diff: 2,03 nA → 2,01 nA
       ↳ Gof delay: ~ 8 min
  · Misc 200 µm diff: 2,02 nA → 2,00 nA → Gof delay ~ 5 min
  · Wedge PEEK 200 µm diff: 2.00 nA → 1,99 nA → Gof delay ~ 5 min

- We image a mouse - foot { Mouse Foot }   2,01 nA → 1,93 nA
   ↳ again with better resolution { Mouse Foot 2 } 2,00 nA → 1,99 nA
   ↳ Golframic

- Beam Scan : 203 nA → 2,00 nA

~~sputter~~

- We change to the new 2D matrix (same middle position)
- Dark Voltage { 2D Large _ DarkVoltage_ }
- Signal Voltage { 2D Large - Voltage_ } 2,00 nA → 2,00 nA
- Y-translation { _ YTranslation_ } 2,00 nA → 2,00 nA
- we change to no diffuser + 2nA for movie over Crunch
  ↳ after Crunch 1,82 nA   { Movie Beam }
- we use a new ~~diffuser~~ aperture: quadratic, shadowing parts
  of the matrix
  ↳ we start at 100 pA and increase the current in the 32
    steps to 2 nA [Movie Current Increase] (step each ~30 s)

|14:34| We're at 2nA, but we increase further forgot to put 200 µA diffuse in file name
|14:39| ↳ at the end 3,60 nA
- we change back to 36 aperture and do a Linearity test
  ↳ • 500 pA → 500 pA
     • 1,03 nA → 1,04 nA
     • 1,52 nA → 1,52 nA
     • 2,04 nA → 2,04 nA
     • 2,30 nA → 2,52 nA
- we make another movie: { Movie Beam Changes }   slit closing with diffuser
                          { Movie Beam Change 2 }   " without diffuser
                          ↳ we also move in diffuser

|25/23| cube moving

- We change the setup for the Cage moving
  ↳ We mount the Cage line vertically on the Y-stage (x-stage
    not inside vacuum box
  → we move from 40 to 310 (meaning the Cage line is reversed) / 0.5 steps

- 200 μm diffuser + 2nA beam current 2,00 → 2,16 nA

- We scanned all Gafchromics with numbers #1 .~ corresponding
  to their order of creation