- Off On **1.0 Camera**

  Turn off check list
  - Switch off
  - Switch off chiller
  - Unplug camera power (zip tie to camera)

  Turn on check list
  - Plug in camera power
  - Switch on chiller
  - Switch on
- Off On **1.5 Camera**

  Turn off check list
  - Switch off
  - Switch off chiller
  - Unplug camera power (zip tie to camera)

  Turn on check list
  - Plug in camera power
  - Switch on chiller
  - Switch on
- Off On **Tweezer 1 computer**

  Check following devices
  - Thorlabs cameras
  - Na Raman amplifier
- Off On **Tweezer 2 computer**

  Check following devices
  - Andor camera
- Off On **Tweezer 3 computer**

  Check following devices
  - Software radio
- Off On **Tweezer 4 computer**

  Check following devices
  - Andor camera
  - Thorlabs camera
- Off On **1.0 Cs MOT PLL**

  Turn off check list
  - Unplug all signals (zip tie together)
  - Unplug 15V and 5V powers (zip tie together)

  Turn on check list
  - Plugin 15V and 5V powers
  - Plugin all signals
  - Apply settings according to note on Generic tab, Equipment Settings.
- Off On **1.0 Cs Raman PLL**

  Turn off check list
  - Unplug all signals (zip tie together)
  - Unplug 15V and 5V powers (zip tie together)

  Turn on check list
  - Plugin 15V and 5V powers
  - Plugin all signals
  - Apply settings according to note on Generic tab, Equipment Settings.
- Off On **1.5 Cs MOT PLL**

  Turn off check list
  - Unplug all signals (zip tie together)
  - Unplug 15V and 5V powers (zip tie together)

  Turn on check list
  - Plugin 15V and 5V powers
  - Plugin all signals
  - Apply settings ???
- Off On **1.5 Feshbach coils**

  Before power shutdown
  - Wrap exposed part in napkins to prevent condensations
- Off On **1.5 IGBT**

  Before power shutdown
  - Wrap exposed part in napkins to prevent condensations
- Off On **1.0 computer control box**

  Turn off check list

- (Do following three steps quickly)
- Turn off the box by flipping the switch on the front side of the box
- Unplug the high voltage (48V) power supply (circular plug) on the front side of the box. Then unplug the power supply itself fromm the outlet.
- Unplug the 12V board power supply. (L.T.E. one with a rectangular connector in the front)
- Unplug USB power on the front side near the fan.
- Zip tie the three unpluged powers to the computer control box.

Turn on check list

- Connect to 3.5G Windfrek clock generator from Tweezer1. Set frequency to 3.5G and amplitude to max.
- (Remove power connection zip ties and) Plug in USB power supply.
- (Do following three steps quickly)
- Plug in the 12V board power supply.
- Plug in high voltage power supply.
- Turn on the power switch of the box. The fans should start spinning.

- Off On **1.5 computer control box**

Turn off check list

- (Do following three steps quickly)
- Turn off the box by flipping the switch on the front side of the box
- Unplug the high voltage (48V) power supply (circular plug) on the left side of the box. Then unplug the power supply itself fromm the outlet.
- Unplug the 12V board power supply. (L.T.E. one with a rectangular connector in the front)
- Unplug USB power on the front side near the fan.
- Zip tie the three unpluged powers to the computer control box.

Turn on check list

- Connect to 3.5G Windfrek clock generator from Tweezer1. Set frequency to 3.5G and amplitude to max.
- (Remove power connection zip ties and) Plug in USB power supply.
- (Do following three steps quickly)
- Plug in the 12V board power supply.
- Plug in high voltage power supply. The fans should start spinning.
- Turn on the power switch of the box.

- Off On **Cs 1.0 MOT home built temperature servo**

1st level above Cs tweezer/MOT lasers

Switch off/on the front switch

- Off On **Benchtop power supply**

1st level above Cs tweezer/MOT lasers

Record voltage/current values:

Left Voltage	
Left Current	
Right Voltage	
Right Current	

Turn off check list

- Unplug loads
- Label and zip tie loads to the power supply
- Turn off the power supply
- Unplug from wall

Turn on check list

- Plug into the wall
- Turn on the power supply **Do NOT do this with loads pluged in**
- Plug the load back in

- Off On **1st version Till's current controller for Cs MOT**

1st level above Cs tweezer/MOT lasers

Record current value:

Current	

Turn off check list

- Turn off

– Unplug power (zip tie to controller)

Turn on check list

– Plug in power
– Turn on

- Off On **Homebuilt $\pm 15, 5$V power supply**

2nd level above Cs tweezer/MOT lasers
Turn off check list

– Unplug load
– Label and zip tie loads to the power supply
– Switch off on the back

Turn on check list

– Switch on
– Plug the load back in