- 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

- Off On **Cs 1.0 MOT lock box**
  1st level above Cs MOT lasers
  - Make sure the laser is unlocked.

- Off On **Novatech function generator**
  1st level above Cs MOT lasers Turn off check list
  - Save settings

  Turn on check list
  - Restore settings

- Off On **New Focus Cs Raman lasers drivers (2x)**
  1st level above Cs Raman lasers
  Record Temperature, Current, Piezo voltage
  Temperature is accessible in the menu under system status

F3 Current	
F3 Piezo Voltage	
F3 Temperature	
F4 Current	
F4 Piezo Voltage	
F4 Temperature	

  Turn off check list
  - Turn off
  - Unplug power

  Turn on check list
  - Plug in power
  - (Turn on)

- Off On **Benchtop power supply**
  1st level next to Cs Raman driver
  Record voltage/current values:

Voltage	
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 **Homebuilt 24V power supply**
  2nd level above Cs Raman 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

- Off On **SRS shutter driver**
  1st level above Cs Raman lasers
  Switch off/on with the switch on the back.

- Off On **New Focus lock box for Cs Raman**
  1st level above Cs Raman lasers
  Unplug power.

- Off On **Timebase driver for Na Raman and Na D2 (x2)**
  1st level above Na Raman and D2 seed lasers
  Record current and T1 settings

Raman Current	
Raman T1	
MOT Current	
MOT T1	

  Turn off check list
  - Turn off
  - Unplug power

  Turn on check list
  - Plug in power
  - Turn on
  - Set current/temperature.
  - Enable T1 survo
  - Turn on current

- Off On **Thorlabs temperature controller for Na Raman doubler**
  1st level above Na Raman and D2 seed lasers
  Record temperature settings

Setpoint	

Turn off check list

- Turn off
- Unplug power

Turn on check list

- Plug in power
- Check temperature setting
- Turn on