
Power on

Rotate telescope UP

Remove cover and stow

Check all breakers in

Archiver computer power on

Laser red switch ON

Laser key ON

Wait for Q-SW power

Click Shutter ON

Click LDD ON

Click Menu

Click Enter twice, to unlock power setting

Rotate wheel to set power to 28.5 A

Click Enter once to lock power setting

hsrl computer

Log in as user: `hsrl` passwd: `%Lidar1543`

`start_all`

`hsrl_status`

Should show all processes running

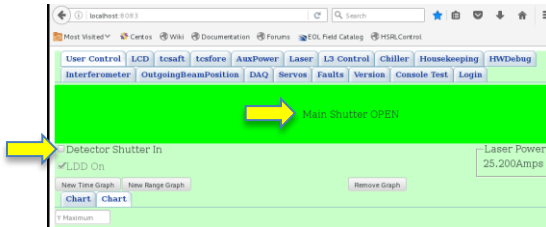
If problems, rerun `start_all`.

HSRL control via the GUI

Bring up GUI in browser (`hsrl:8083`)

Click on *Detector Shutter In* twice to open shutter– no check mark

Click Main Shutter twice – OPEN - **green**



Click on *New Range Graph*

On graph, select Y1 for

- Raw-CombHi
- Raw-Mol
- Raw-Xpol

Click on *Force Update*

You should see a graph

hsrl-archiver computer

Log in to archiver: `ssh -XY hsrl-archiver`

`user: hsrl passwd: %Lidar1543`

Open a Terminal

`start_all`

`pcheck`

pcheck should report 0 processes down

`start_HawkEye.ops`

HawkEye window should pop up, and show reasonable data

`pdm`

PrintDataMap should show data updating

Before Take-off

On GUI, close main shutter (**red**)

Point telescope down

After Take-off

On GUI, open main shutter (**green**)

Point telescope as required

Before landing

On GUI, close main shutter (**red**)

Point telescope down

Shutdown

On hsrl-archiver computer:

Transfer data to USB stick if needed

`sudo poweroff`

On hsrl computer:

`stop_all`

`sudo poweroff`

On laser unit:

Click *Enter* to unlock power setting

Using wheel, reduce power to 0.0 A

Click *Enter* to lock power setting at 0 A

Laser key OFF

Laser red switch OFF

Pull breakers for:

- Thermal ctrl power
- Computer power
- Laser power

Point telescope up, install cover

Point telescope down



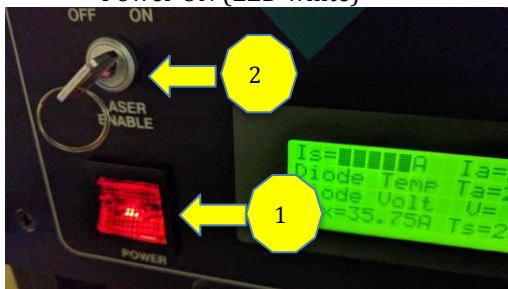
HSRL Breakers

All breakers in to startup

Arrow breakers off on shutdown



Archiver power
Power ON (LED white)



Laser power:

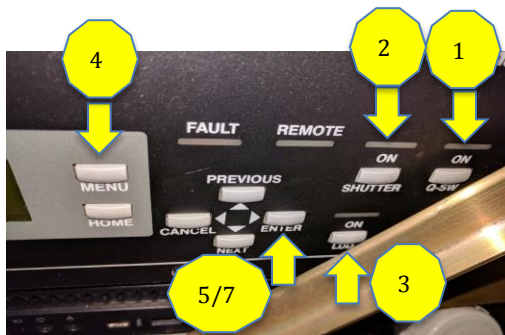
- Red switch ON
- Key ON



Power setting locked – flashing shaded



Power setting unlocked – no shading



1. Wait for Q-SW ON
2. Click shutter ON
3. Click LDD ON
4. Hit Menu
5. Hit Enter twice to unlock power setting.
Check shading is off
6. Set current to 28.5 A on wheel
7. Hit Enter again to lock

Setting the laser current:



Rotate wheel to set I_s current to:

28.5 A (ON)

0.00 A (OFF)