

HSRL startup procedure

October 19, 2017

0.1 HSRL associated computers

Access computers in Lidar Lab in FL1:

HSRL control

```
ssh -a -XY -C hsrl@hsrl-router.eol.ucar.edu
```

Archiver

```
ssh -p 23 -a -XY -C hsrl@hsrl-router.eol.ucar.edu
```

0.2 Startup Procedure

On the HSRL electronics rack

- Turn on the thermal control power switch.
- Turn on Computer power switch (this is usually already on if HSRL is in FL lidar lab).
- Turn on Laser power switch.

On the Photonics Ind Panel

- Power on switch.
- laser enable.
- shutter control on.
- LDD (laser diod driver) button
- MENU button then enter button twice to allow you to change the laser diode current
- Turn knob to set IS to 26.5 Amps. (laser currently needs replacing, current value to be updated.)

On the HSRL control computer

- start_all
- make sure main shutter is open on webpage:

On the HSRL archiver

- start_all
- make sure images are reaching the field catalog: <http://catalog.eol.ucar.edu/operations/lidar>

To check that everything is running properly you can run `hsrl.status`.

To turn off the HSRL reverse these steps using `stop_all` instead of `start_all`.