

## INDI Drivers

- The INDI Drivers that control the different components in the LBT are all stored in the `/etc/rc_local` directory
- The privileges on this directory prevent standard users from modifying the contents of the folder.
- Within the directory is a macro “machine-runindi”. This gives the list of the INDI servers in use by the observatory.
- The can also be accessed using the “indiserver” name.
- Within this directory, all of the drivers for the servers are located. Most of these drivers are continuously running to allow users to send commands to the INDI servers.
- “indiserver” will be restarted if you issue a 'killall' command. In rare circumstances, the servers can die based on the surrounding environment (power outage, etc.)
- If a server is stuck and unable to accept/issue commands, user can use a “killall” to kill all the servers (most will automatically be restarted), or one can issue a “kill <server>” to restart a specific server.
- To stop the drivers for an extended time frame, user can touch the file “touch /tmp/noindi”
- To resume the drivers, remove the file “rm /tmp/noindi”
- In the situation that one wants to remove/add a driver to the system, the following steps must be taken:
  1. Touch the noINDI file, “touch /tmp/noindi”
  2. Kill the INDI servers, “killall indiserver”
  3. Kill the machine-runindi, “kill – machine-runindi”
  4. Add or Remove the desired servers
  5. Remove the noINDI file, “rm /tmp/noindi”
  6. Run the servers once again, “etc/rc\_local”