Differential Image Motion Monitor (DIMM)
Start/Restart DIMM Control Software

$ ssh -X dimmuser@dimm
$ cd restart
$ DIMM KillServicesRestart
3.3 DIMM for LBT (on dimm.mountain.lbto.org)

**Info**

- **LST:** 13:40:35.81
- **Zenith Seeing:** 00.00
- **Seeing:** 00.00
- **LBT:** RA: 08:46:13.44 DEC: 89:15:50.79
- **AZ:** 120:35:59.87 EL: 89:59:59.31
- **Target:** RA: 13:40:35.86 Dec: 32:42:04

**Log:**

**Status**

- Dimm: Not Measuring
- Camera: Connected
- Mount: Connected
- Focuser: Disconnected
Restart DIMM Electronics

1. 192.168.52.72 (PDU interface) in browser
2. Navigate to “Device Manager” -> “Control”
3. Select ”Dimm-electronics” radio button
4. Click “Next” then “Apply” on next screen
Change DIMM Focus

1. In the menu bar, click “Focuser” -> “Connect”
2. Click “Focuser” -> “Move”

Note: focus range 0 – 2020
Telemetry and Results

● 2 telemetry streams: seeing_01 and acquisition_01
● Writes the DD entries:
  ○ DimmElevation
  ○ DimmSeeing
  ○ DimmSeeingZenith
  ○ DimmR0
  ○ DimmMessage
  ○ DimmStatus
  ○ DimmTimestamp
● Logs: /lbt/data/logs/dimm
Configuration File

- `/local/dimm/current/etc/dimmServer.cfg`
- `/local/dimm/current/etc/dimmClient.cfg`

- **Dimm.autoMode**
  - Enables/disables auto-connect to camera and mount

- **Dimm.Acquisition.X(Y)target**
  - X, Y pixel positions of the DIMM hotspot on webcam
Known Issues

- At high elevation, X-axis gets stuck and new moves don’t register
- Trouble connecting to camera after multiple attempts
- Each TO all focus it differently; should have an auto-focus
- Many more on the wiki...
Build 3.4.3

- **Note**: must update the version number in config files and `dimmMainControlWidget.ui` before doing a build

- Added mean flux to DD
- Improved exception/error handling
- Ready for release pending 228s500 approval from management