

40m meeting: Status Update

- *SUS*

- * A script to diagonalize input matrices
- * SUS OSEM readout coefficients changed
- * Flakey behaviors on MC1_LR and ETMX_SIDE
- * A script for test the BOs => ITMY_UL didn't work

- *DRMI test*

- * MICH noise => covered by sensing noise
- * Sensing matrix in the PRMI configuration => wrong calculation ?
- * ABSL => beam profile measured at 1.8A

- *LSC screen refinement*

- * PRCL, SRCL convention (not yet)
- * A nice LSC overview screen

- *MC work*

- * WFS RF photo detector responses : 200 MHz oscillation

- *CDS*

- * BO box installed on 1X2 for C1100
- * Foton's default sample rate is wrong => run it only on Pianosa

Plans and discussion

Goals : SUS optimization

PRC length measurement

Daytime:

- **SUS optimization**

- * Fix BO whitening switching on ETMs, dewhite switching on all TMs (Jamie)
- * Review of filters/foton issues. Make sure everything is 16kHz. (Jamie)
- * Q-adjustment (damping gain) and Bounce Roll notches. (Jamie / Koji)
- * oplevs (Steve / Kiwamu)
- * diagonalization of input matrix (Rana)

- **ABSL measurement** (Kiwamu)

- * Injection of the light from AS port
- * Beat-note between PSL and ABSL

- **LSC screen refinement** (Koji)

- **MC work** (Suresh)

- * Tuning of WFS circuits
- * Diagonalization of WFSs input matrix

- **Keep updating item list for the coming vent** (everyone)

- Add more noise sources
- RFPD Dark noise
- DAC noise
- Coil driver noise
- Intensity noise

Night time :

- **Noise budget and Sensing matrix** (Jenne / Kiwamu)