



Shifts – Dec 2017

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Shift Plan

Three shifts:

- **Tuesday** (owl – 8 hours): Nominal Optics shift.
- **Friday** (day and swing - 15 hours): Nominal Optics with shift to high beta optics if time permits.

Optimising Feedback

- Working at 0 dB for 1-BPM feedback.
- Optimise:
 - Sample number (dipole and reference) to optimise correlation.
 - Integration window width,
 - Extraction kicker timing,
 - Waist location to get optimal jitter to be resolution limited in jitter FB on.
 - Gains.
 - Attenuation on reference signal for optimal driving of mixer.
 - Noise floor removal.

Sample Shifts

Email from Terunuma-san:

“Thank you for the explanation about the last FONT studies. As you saw, we had many problem especially caused by the insufficient tuning condition under changing the temperature, DR orbit etc.

In addition we might have a few unstable modules by aging. Sometime a beam was extracted a revolution later but it was not continued then we could not find which module was.”