

## Recent X arm characterization

- Longest lock: ~20min (intentionally terminated)
- Cavity length: 2999.992(3)m
- Mode matching ratio: 91%
  Carrier power / total power: 88%
- Roundtrip loss (estimated from reflectivity): 86 ppm
- Needs some remaining tasks until 2018/1/6
  - ALS
  - Automation
  - X arm WFS
  - Green fiber setting
  - IOO: MC frequency noise hunting
  - VIS: 0.2-0.3Hz noise hunting
  - CAL: calibrated noise on monitor at ctrl. room