

The progress of the calibration and the reconstruction for joining the O3 observation

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We are conducting/will conduct the commissioning test of the X-arm cavity, the Y-arm cavity, Dual-Recycled Michelson, and Dual-Recycled Fabry-Perôt Michelson toward the O3 observation. As the calibration activities, measuring the IFO response, developing the reconstruction pipeline, and the installing the photon pressure calibrator(pcal) are in progress. The test of the reconstruction pipeline and the injection test pcal are also conducted concurrently with the commissioning test. We will report and discuss the progress and the current situation of the KAGRA calibration activities.

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