Short commissioning update

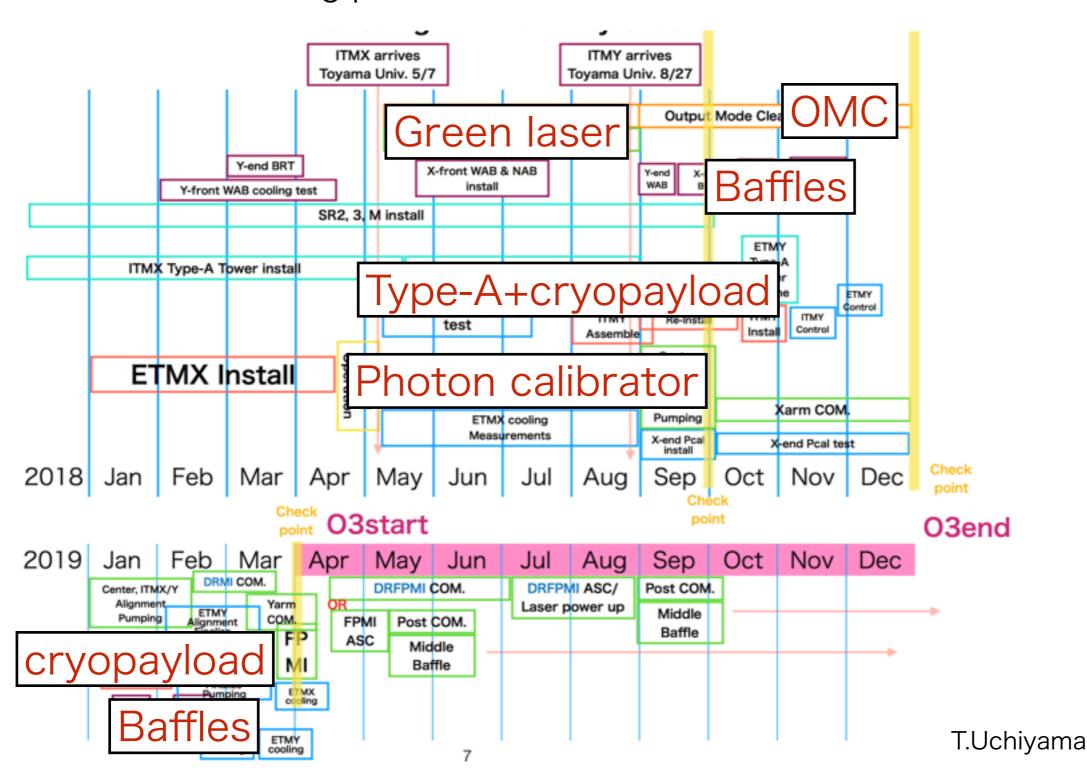
LVK Detchar Meeting 2019/06/11 T.Yokozawa

(Picture at the first engineering run Jun. 8th X-arm cavity test)



KAGRA commissioning status (~March)

The all instruments were completed to install at end of this March and started the commissioning phase.

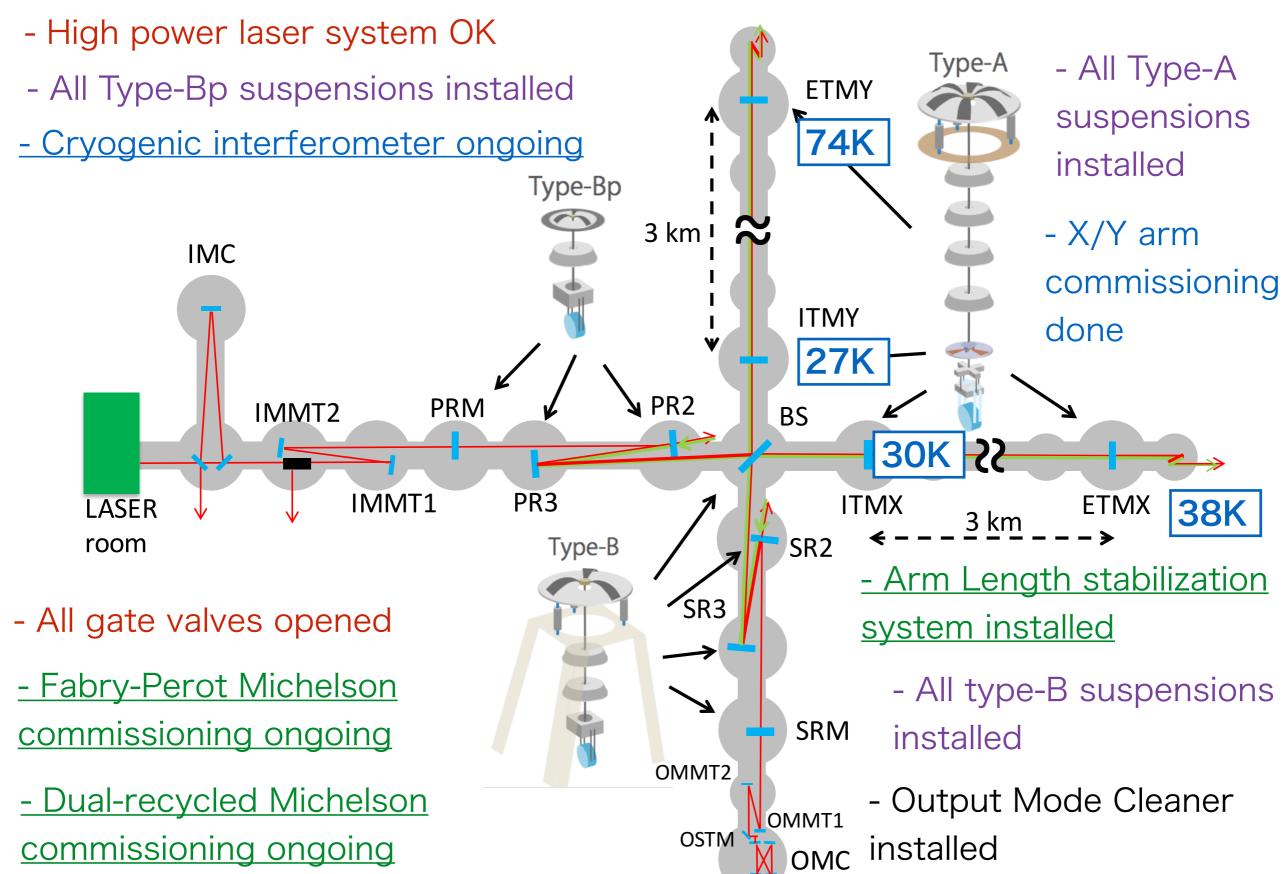


KAGRA Commissioning status (schedule)

Commissioning schedule plan (19/05/09)

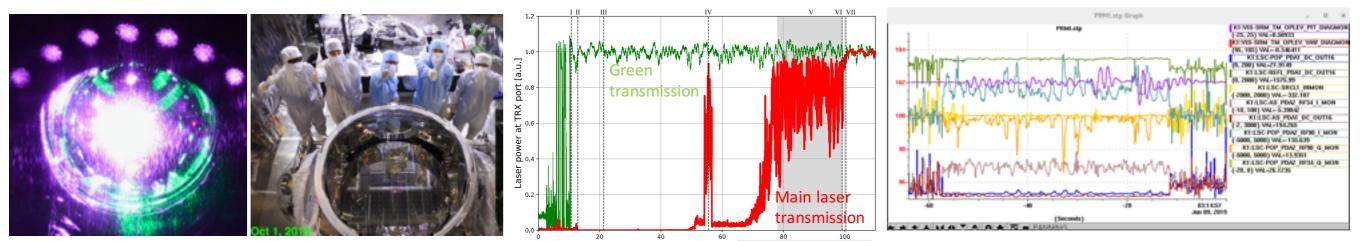
	Task	Working time	Schedule
Yarm COM.	Lock by IR	1 week	5/13-17
	Measurements	2 week	5/20-31
FPMI	Lock	1 week	5/20-24
	Measurements	1 week	5/27-31
DRMI	Lock	1 week	6/3-7
	Measurements	2 week	6/10-21
DRFPMI	Lock	6 week	6/24-8/2
	Measurements	2 week	8/5-16
DRFPMI ASC	Alignment Sensing Control	8 week	8/5-9/27
Post Commissioning	Tuning PRC, SRC middle baffle	6weeks	9/30-11/8
Noise hunting	Re-lock, noise hunting	4weeks	11/11-12/6

KAGRA Commissioning status (Now)



Ongoing commissioning tasks

- Telephoto camera systems for monitoring the mirror surface / main beam position / photon calibrator beam position were installed
- · Transmittance laser position systems with vibration were installed
- Cryogenic interferometer is ongoing
 - · Some maintenance for the cryo-cooler system and decreasing finesse, ···
- · Arm length Stabilization system was confirmed by the X/Y arm commissioning
- · Fabry-Perot Michelson commissioning is ongoing
 - · First cryogenic arm length control by suspension mass will be appear soon
- Dual Recycled Michelson commissioning is ongoing
 - · ~1min DRMI lock achieved! The commissioning work toward the stable lock is ongoing



Backups

Lock status

