

KAGRA status

Virgo-KAGRA PEM meeting

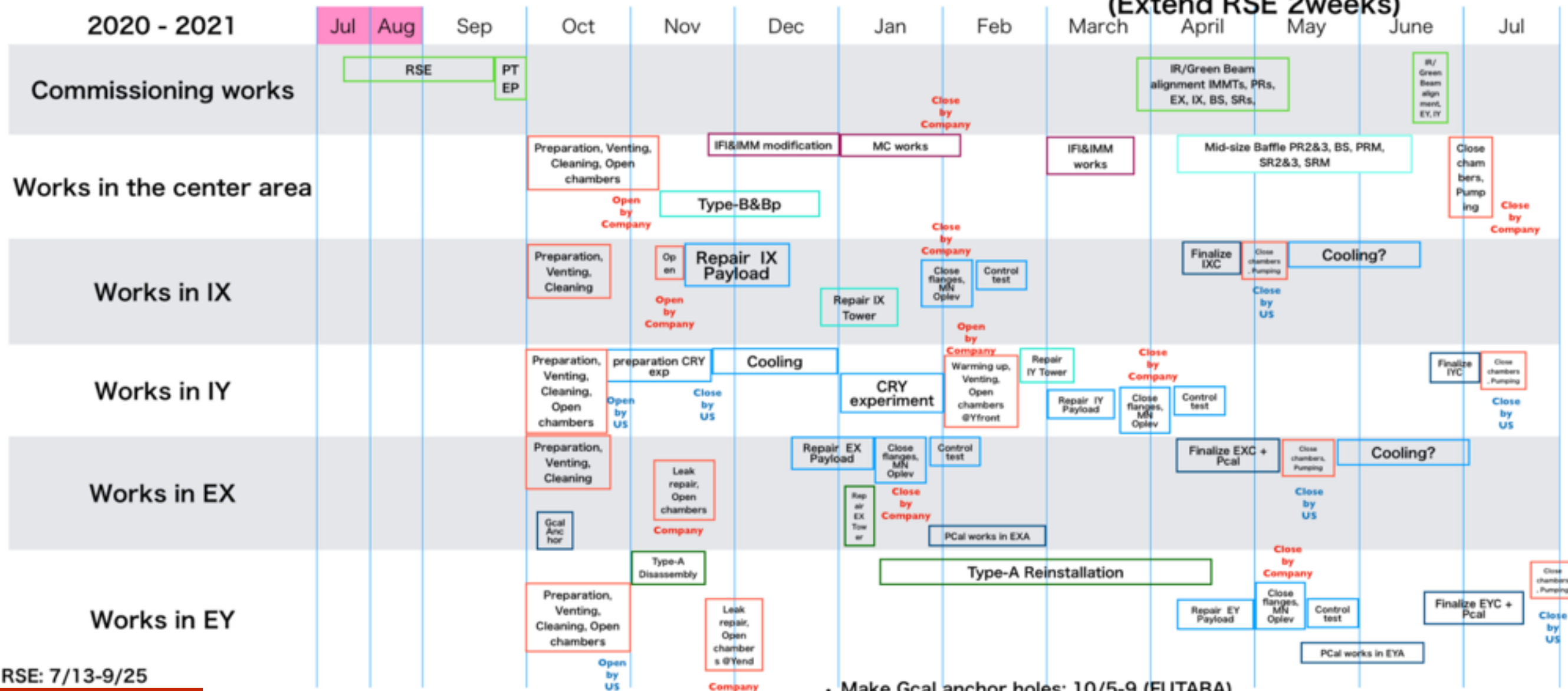
2020/08/28

Takaaki Yokozawa

KAGRA schedule

based on kagra O4 schedule 200822

(Extend RSE 2weeks)

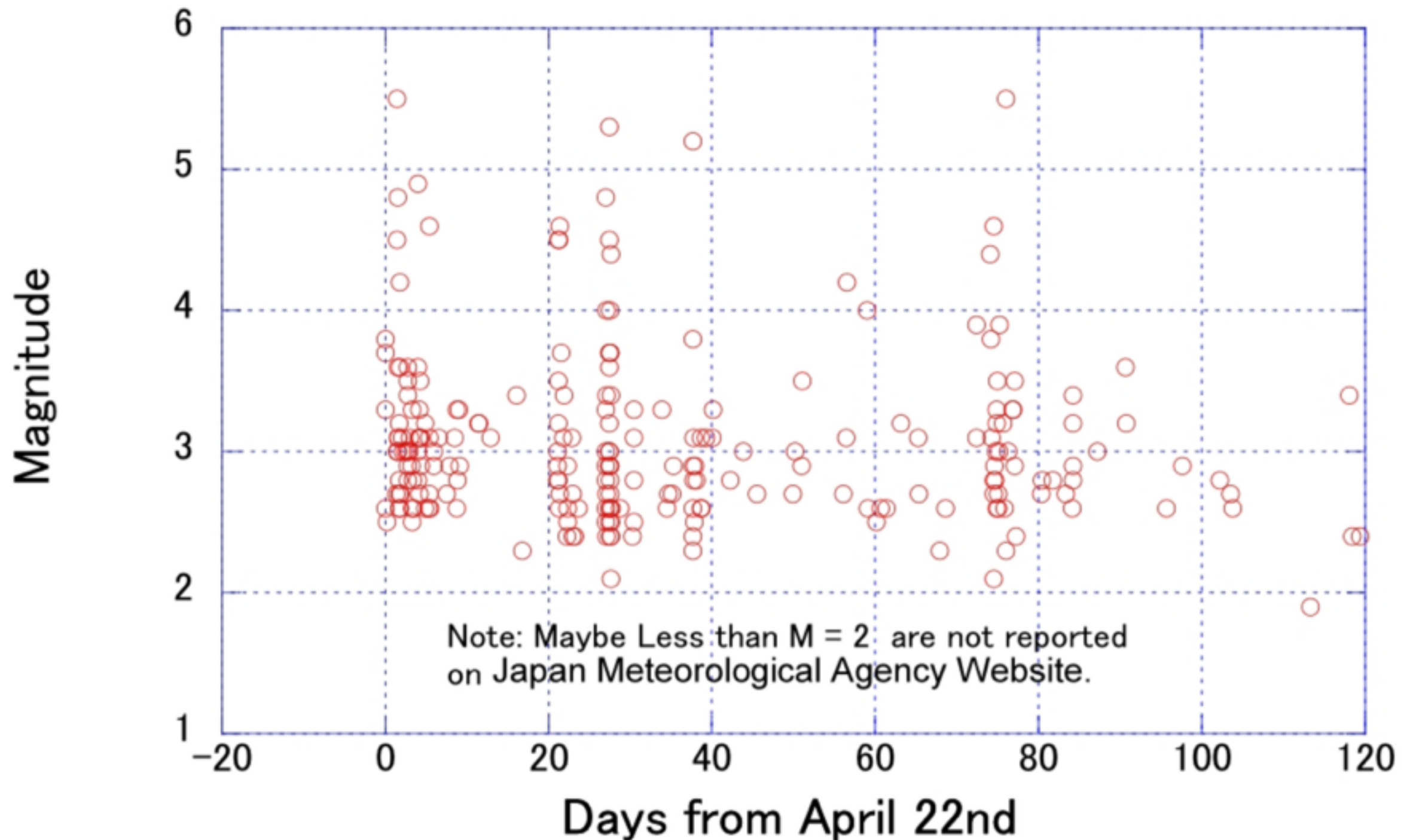


- RSE: 7/13-9/25
- PTEP measurements: 9/26-30
- Preparation of open chambers: 10/1
- Preparation in clean booth: 10/1-9
- Warming up CRY-Ducts: 10/2-6
- Install air cooler in Yend: 9/23-25???
- Replace SUS plates on the floor in the PR booth: 10/7-9
- Venting all: 10/7-12

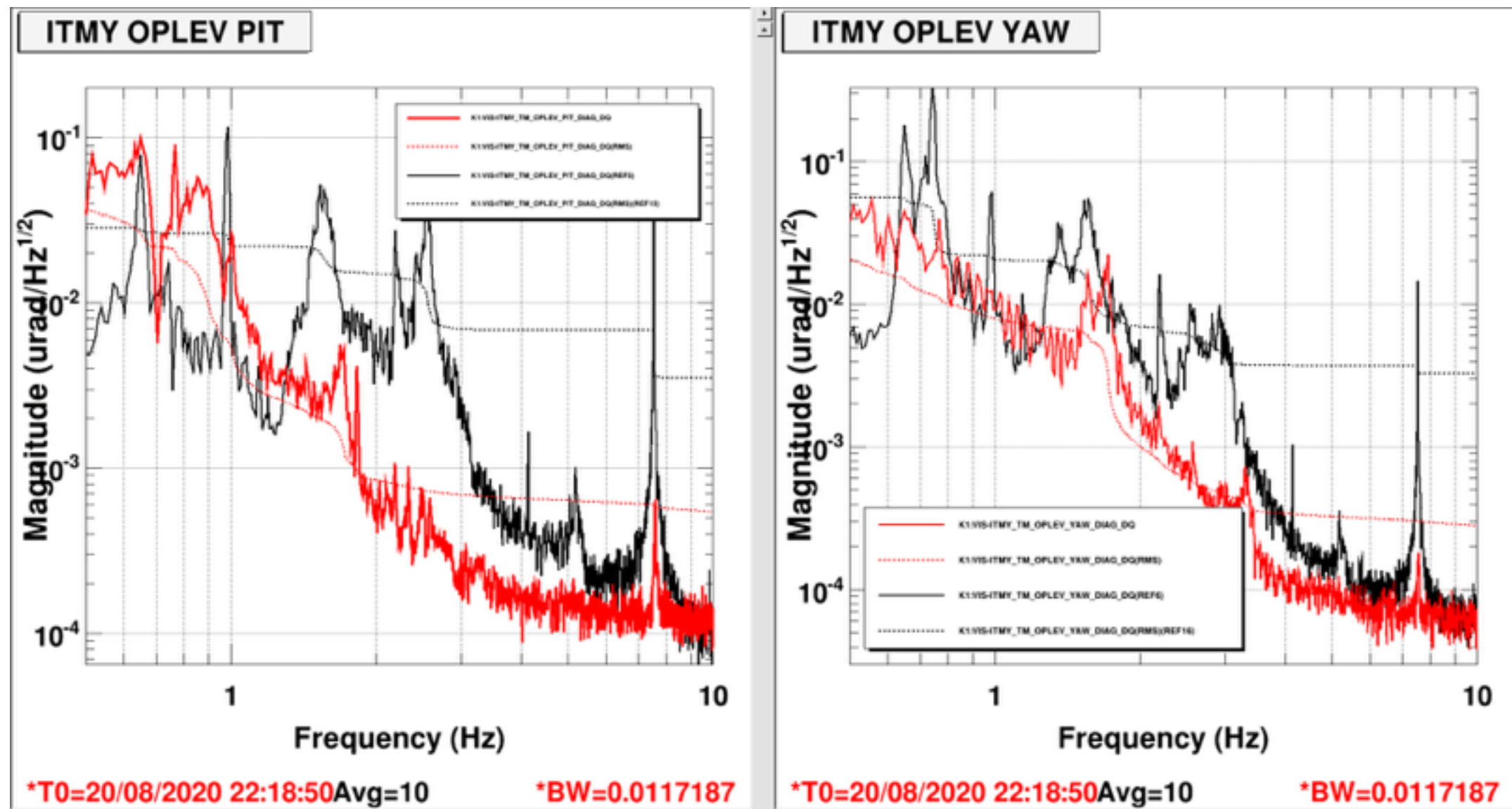
- Make Gcal anchor holes: 10/5-9 (FUTABA)
- Start operation of FFU: 10/1
- Power stop for maintenance: 10/14 (Preparation: 10/13, Recovery: 10/15)
- Cleaning by company: 10/19-23
- DGS update: 10/19-30
- Open chambers in center: 10/26-11/6
- FUTABA works (IYC duct->IX open -> EX leak -> EY leak -> EX open->EY open)

Earthquake around KAGRA area

Earthquakes Magnitude near KAGRA Site
(From April 22nd to August 20th)



New modal damping was implemented



- (I will not explain detail in this meeting)
- Now, now modal damping was implemented to Type-A suspension
 - That may reduce the suspension control noise (low frequency <100Hz)
 - New noise source may appear

PEM status

- Clean the PEMs cabling and setting
 - Remove the BNC type cabling
 - Shorten the cable length
 - New PEM configuration from O3GK
 - (Reminder) KAGRA PEM map for O3GK
- Clean up KAGRA ground
- Check the water fluid