

Type-B SAS Prototype Test Kick-off Meeting Minute

NAOJ, Nov. 5th, 2013

Attendee:

Ryutaro Takahashi, Fabian Pena, Takanori Sekiguchi, Kazuhiro Agatsuma, Joris van Heijningen

1. Schedule of Moving

- Nov. 8 (Fri.): Moving IP base, bellows and digital system rack (9 AM start in Kashiwa)
- Nov. 12 (Tue.): Connection of bellows
- Nov. 13 (Wed.): Moving vacuum chamber and IP

Note: On Nov. 8th, we also have an ATC meeting starting from 10 AM. Main topics are design + production of pylons for optical levers and new materials for cantilever springs (GAS).

2. OSEM Current Status

* Nick's circuit

- Operational amplifiers are not available now.

* Temporary circuit for prototype test

- Fabian is testing in 20m lab.
- Mass production (10 channels) is going on. Four channels have already arrived.
- We may need to exchange registers.

* OSEM test in 20m lab.

- LED and PD must be mechanically fixed to the holder in a solid manner.
- PEEK holder + metal adapter + soldering seem to be working well.
- Later on we will use PCB holder.

3. Payload Prototype Test Schedule

1. 20m Laboratory arrangement (cleaning)
2. Digital system setup + OSEM calibration (4 units)
3. Assembly of the recoil mass
4. Measurement of the transfer functions in a simple pendulum configuration

4. Optical Lever

- * Drift test will be performed on an optical table in 20m lab.
- * Pylons for optical levers are being designed by ATC staffs. Production will be in Dec.
- * Takanori will ask QND group to lend the beam profiler.