

# STATUS REPORT

## Superconducting gravimeters at Metsähovi Geodetic Fundamental Research Station (ME), on April 2017

Heikki Virtanen & Arttu Raja-Halli

EGU 2017, IGETS





T020 from August 1994 to September 2016.  
Gravity sensing unit has been sent back to GWR.

The earlier double sphere OSG-073 (N6, N7) has been divided to separate instruments *iGrav*-013 (N7) and *iOSG*-022 (N6) during 2015-2016.

SG *iGRAV*-013 was installed on the floor of gravity laboratory in May 2016. It will be moved to old T020 pillar in May 2017. The floor installation is acceptable, but not very good. Helium was liquefied at Metsähovi. The instrument had parallel observations with T020 for five months.

SG *iOSG*-022 was installed on its own pier in December 2016. The shipment was as cold (filled with LHe).

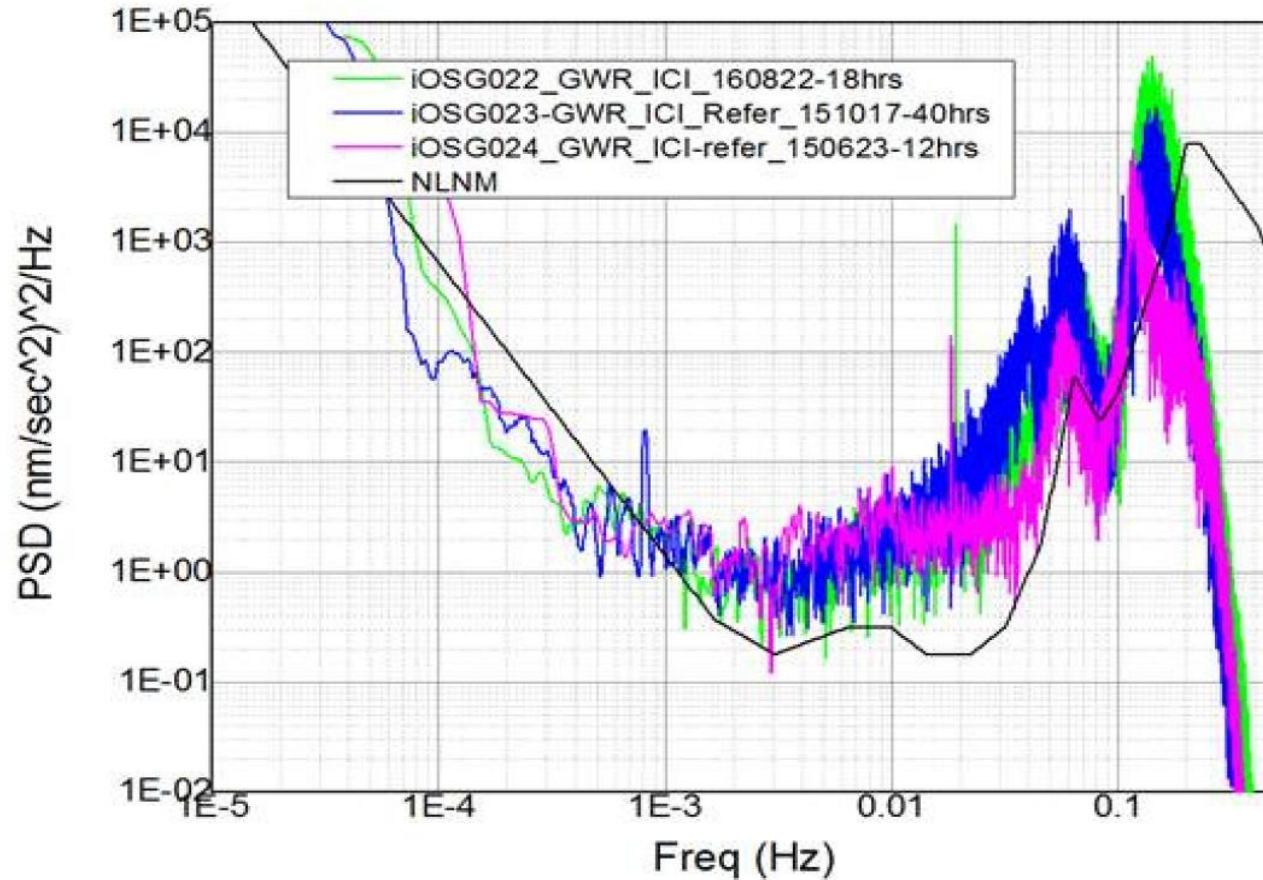


*iOSG*-022 and *iGrav*-013

All gravity data of ME will be sent to IGETS regularly



## PSD iOSG022, 023 and 024 at GWR vs NLNM



Expected noise level of three similar SG's:  
022 at ME, 023 at Strasbourg and 024 at Rustrel.