

Update: Crab Tuner with DQW_PoP

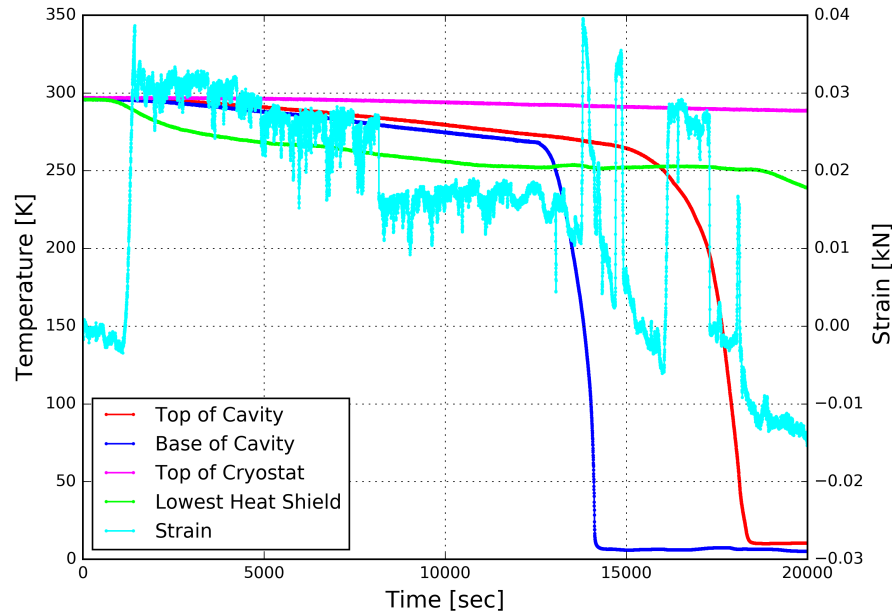
A. Macpherson

on behalf of

SRF Cavity Testing Team

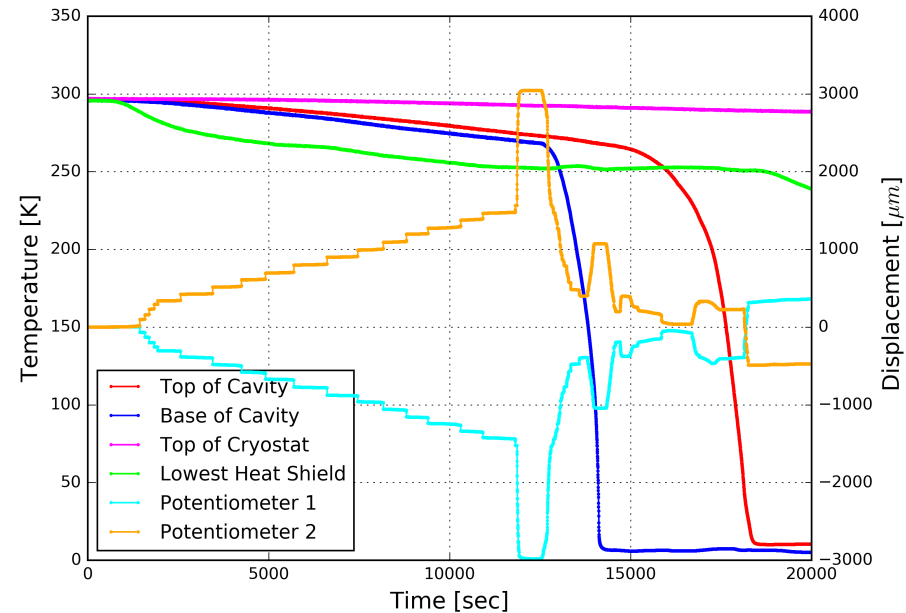
Cooldown

Strain

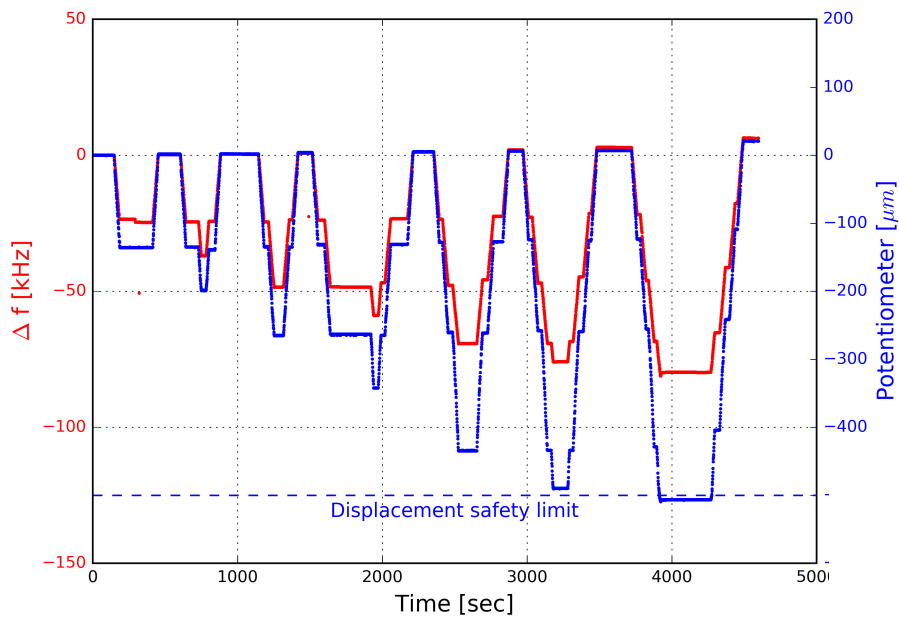


- Standard Cryostat cool down
- Done with Motor disengaged
- Pressure Compensation on

Displacement

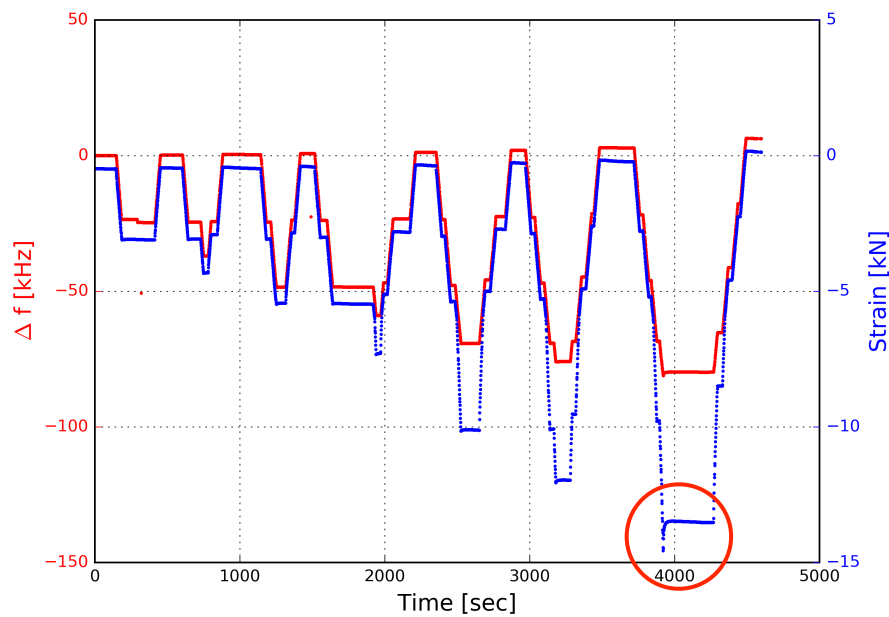


Tuner operation

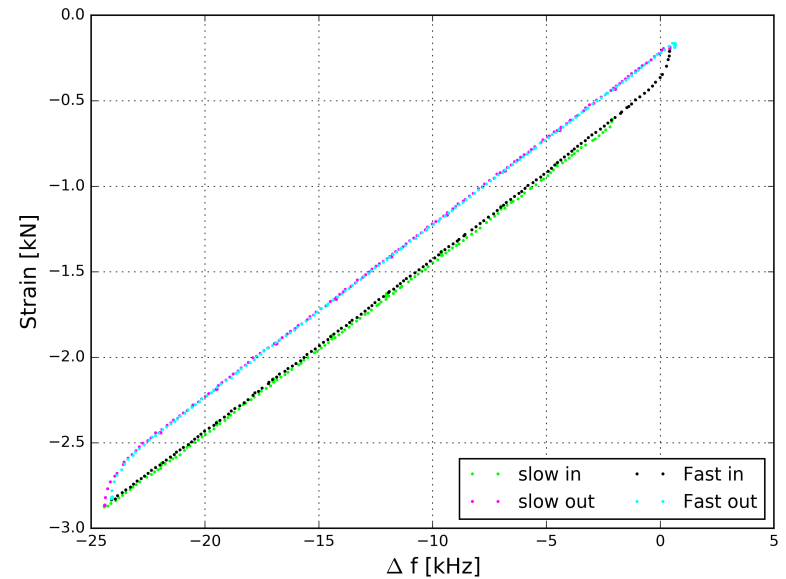
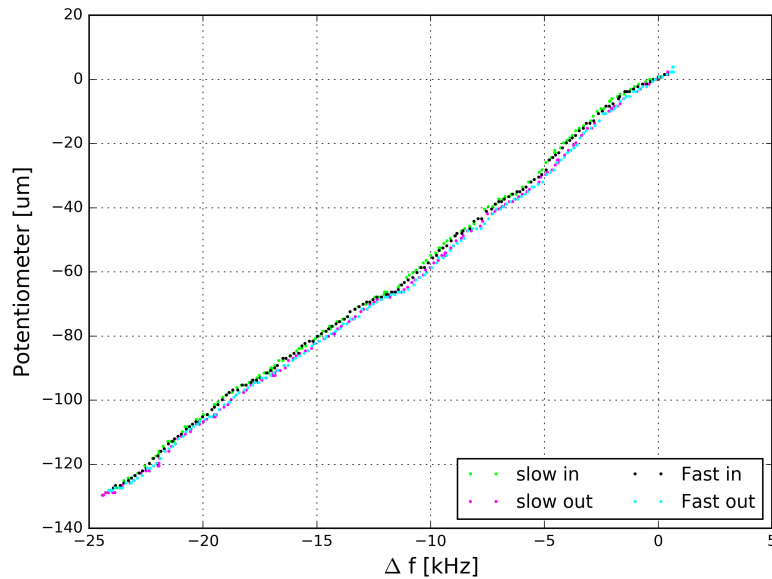
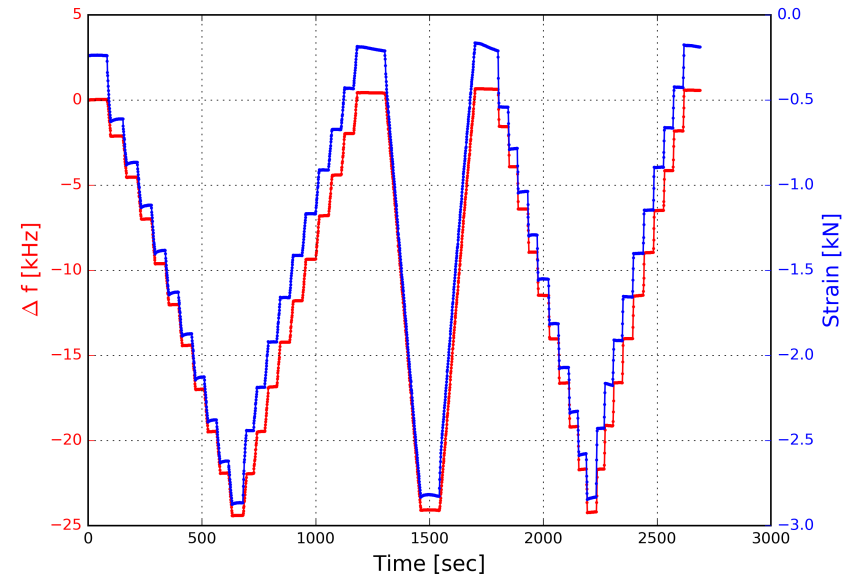
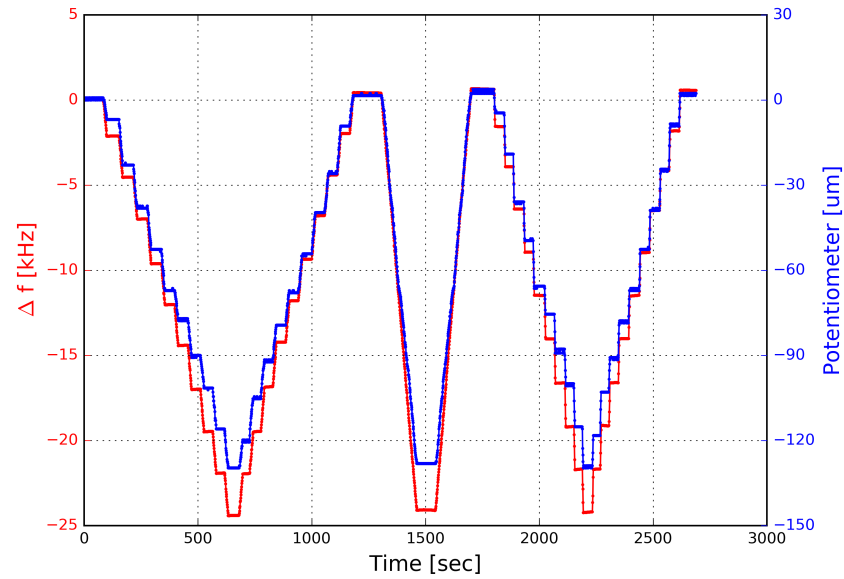


- Pressure Compensation on

- Issues with Motor-Coupling slippage



Displacement and Strain



Next steps

- **Resolution studies**
 - **Free running and small step resolution**
 - **Acoustic noise with and without motor running**
- **Tuner performance with pressure compensation disengaged**
- **Measurements of cavity performance**
 - **Cavity now exceeds 5 MV**
- **RRR measurements**