Test Mass

RH

FROSTI

Main
Laser
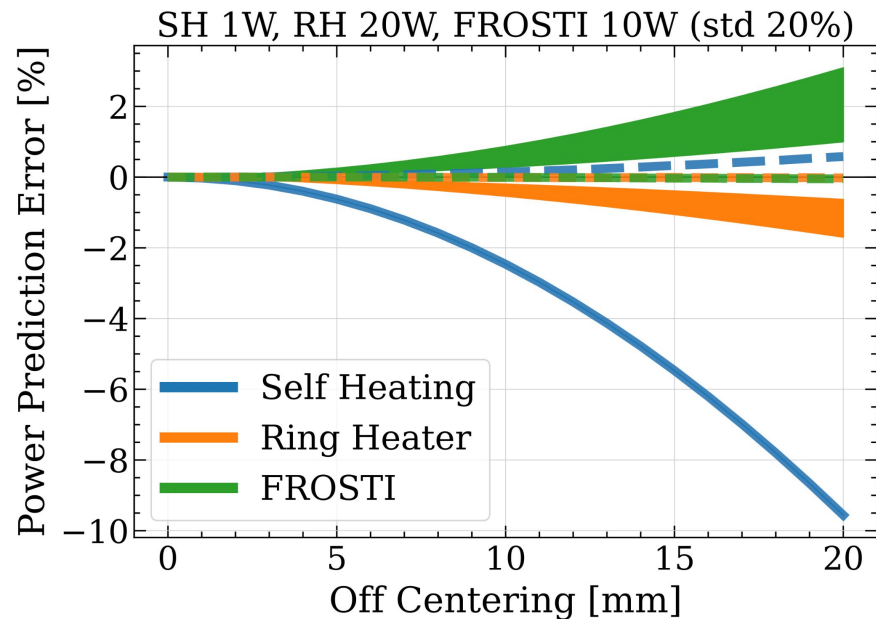
Front Surface View

RH

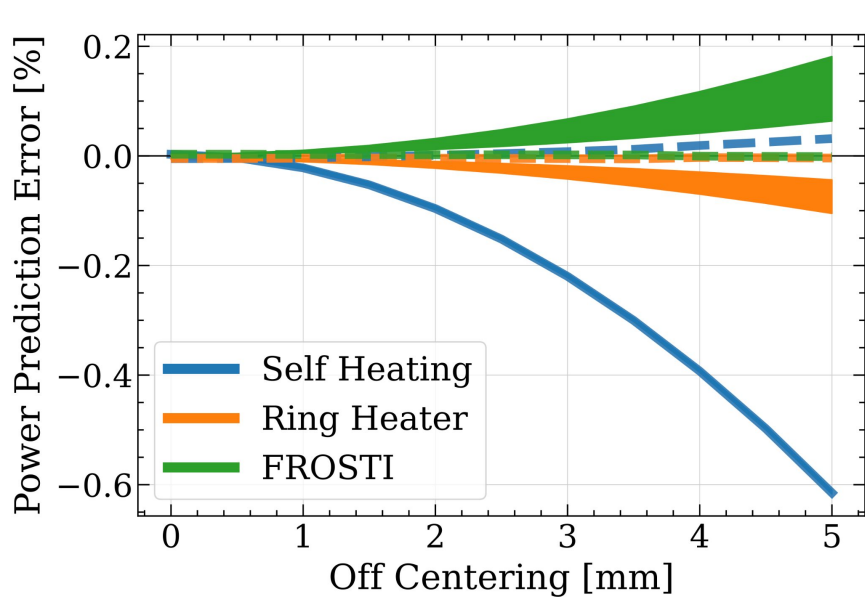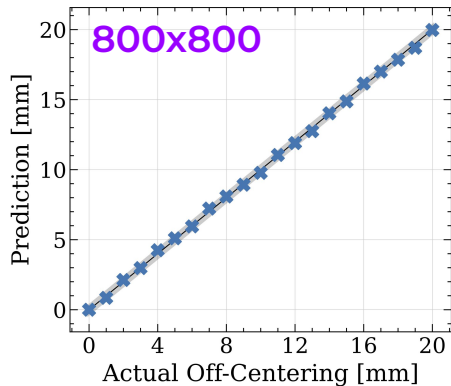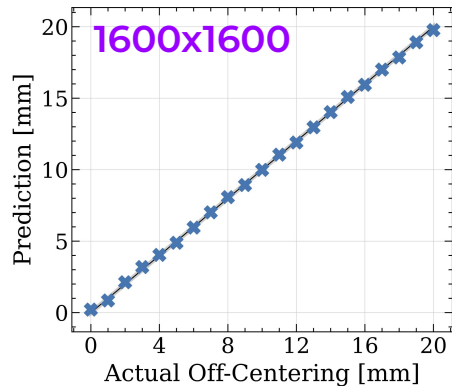Δs

FROSTI

Self Heating

From FLIR thermal imaging of the **front surface temperature** to decode the **thermal state of the test mass**, including the RH, FROSTI power and main laser power/location

SH 1W, RH 20W, FROSTI 10W (std 20%)

Extend the range of the beam off centering, power prediction still holds. Max **0.5% discrepancy** in the SH power. More iteration steps needed?

Question on the required FLIR imaging resolution.
Beam location prediction is always only limited by the grid resolution.