

HEAT FLUX UPDATES

2015 February Materials Meeting
Huntington Beach, CA

Materials Working Group

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February, 2015



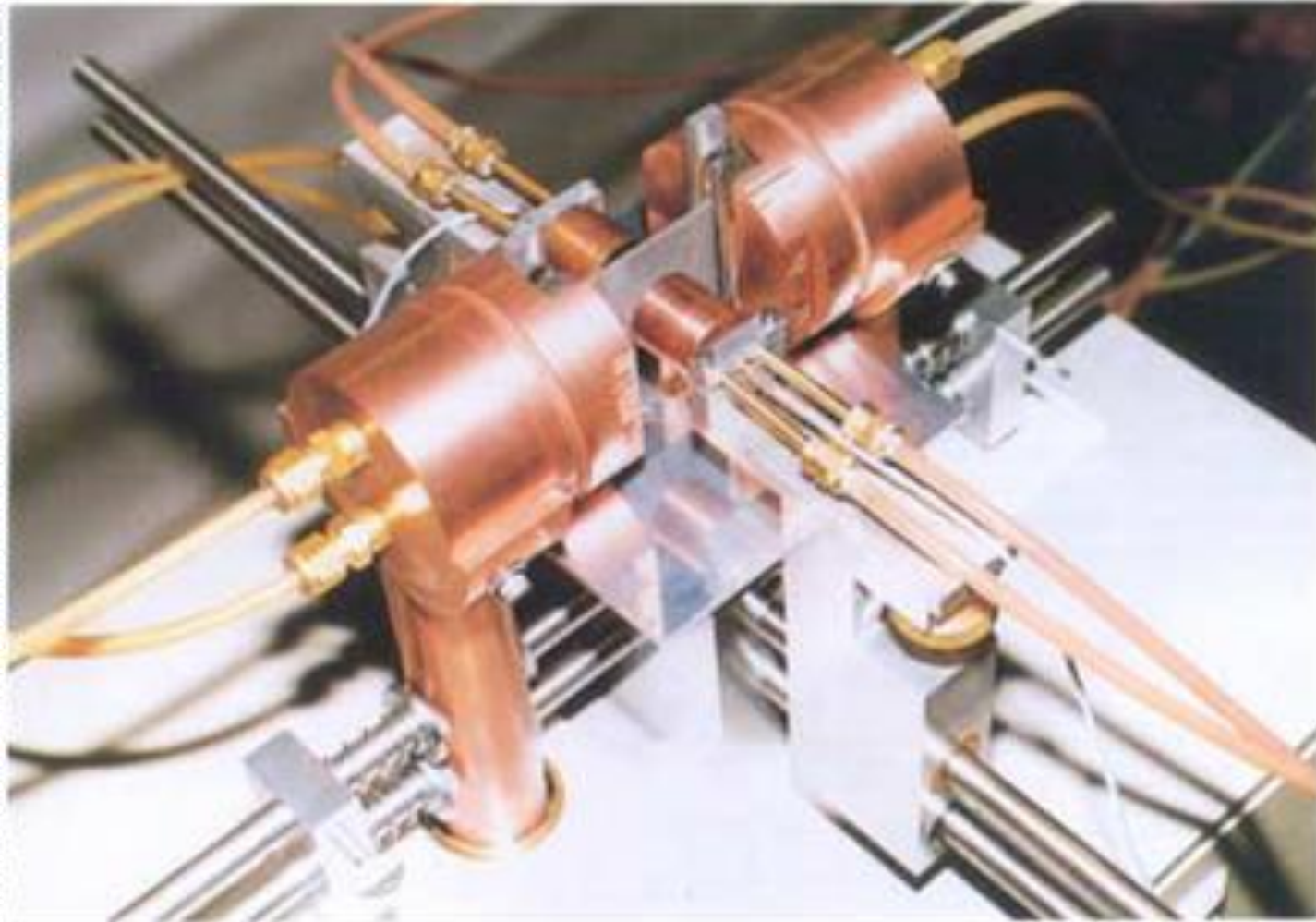
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AGENDA

- Use of Millboard During Calibration
- Summary
- Chapter HF Update
- Next

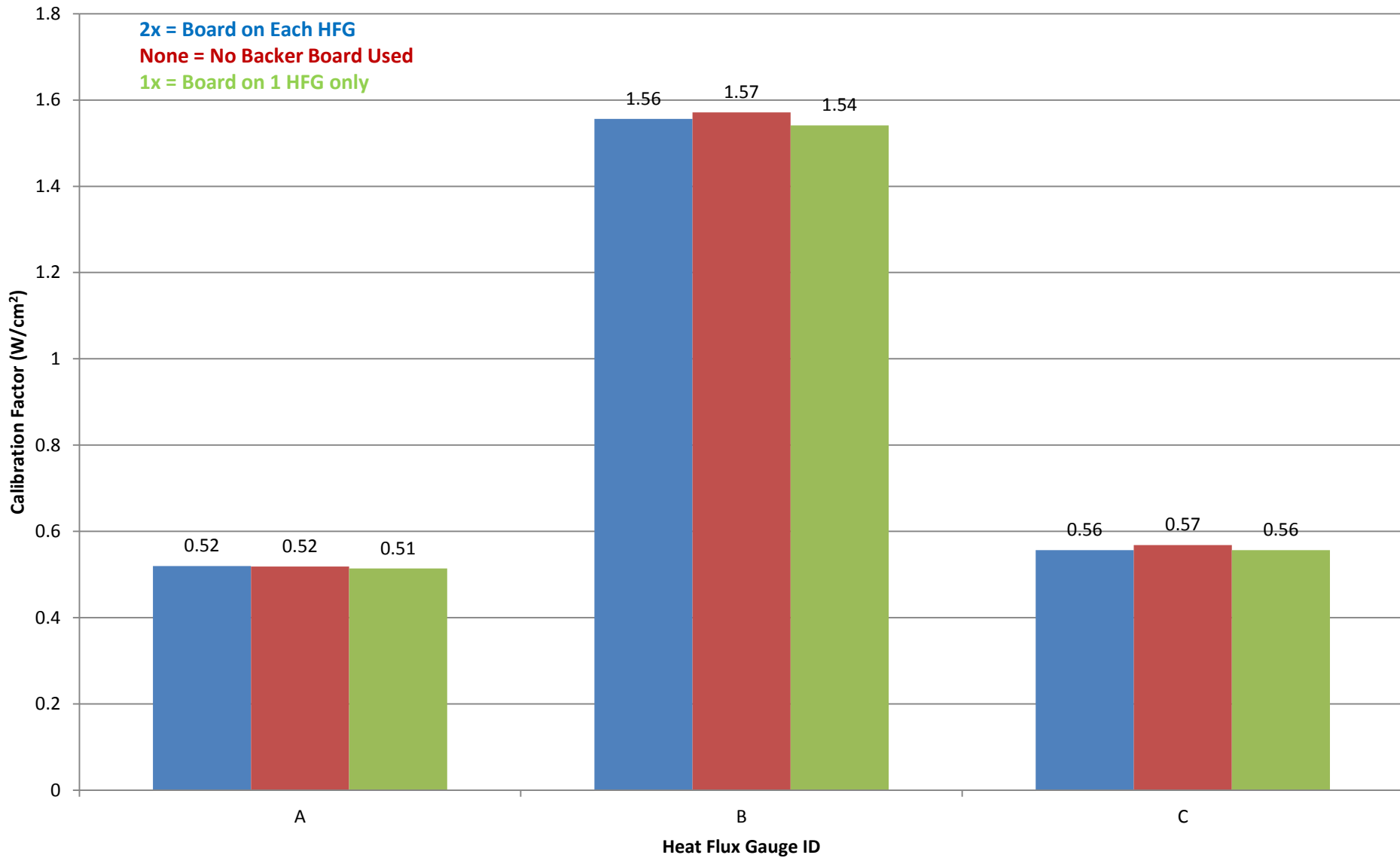
HFG Calibrator



HFG – Millboard Backer Board



Calibration Data With & Without Millboard Backer Board



Summary

- Currently Chapter HF requires HFG's be mounted through 1/2" millboard.
- Recent observations (Vatell) suggest off-gassing of binder agent on Refractory Boards during calibration may be problematic
- The use of the millboard can make it difficult to adjust distance from radiant heat source
- Data shows little difference observed when it is used
- Conclusion: Not recommended for use

Chapter HF Update

HF.7.3 Mounting HFGs for Calibration

When securing the cylindrical one inch body of the instruments into position for calibration, avoid obstructing the sensors' 180° field of view of the radiant heat source.

Note: The use of Kaowool M-Board, Superwool 607 or product of similar specification is not permitted.

Next

- This Concludes Chapter HF Placeholder Document.
- Develop Round Robin Test Plan with Task Group Members
- Conduct Round Robin Testing with Participating Calibration Facilities?

QUESTIONS?

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