

OSU & NBS Round Robin

Preliminary Results

Presented to: Materials Working Group

By: Richard Johnson, FAA Tech Center

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Federal Aviation
Administration



Overview

- **25 Participating Labs**
- **3 Samples of 3 Materials Tested by each participating lab:**
 - 5200
 - 5300
 - 5400

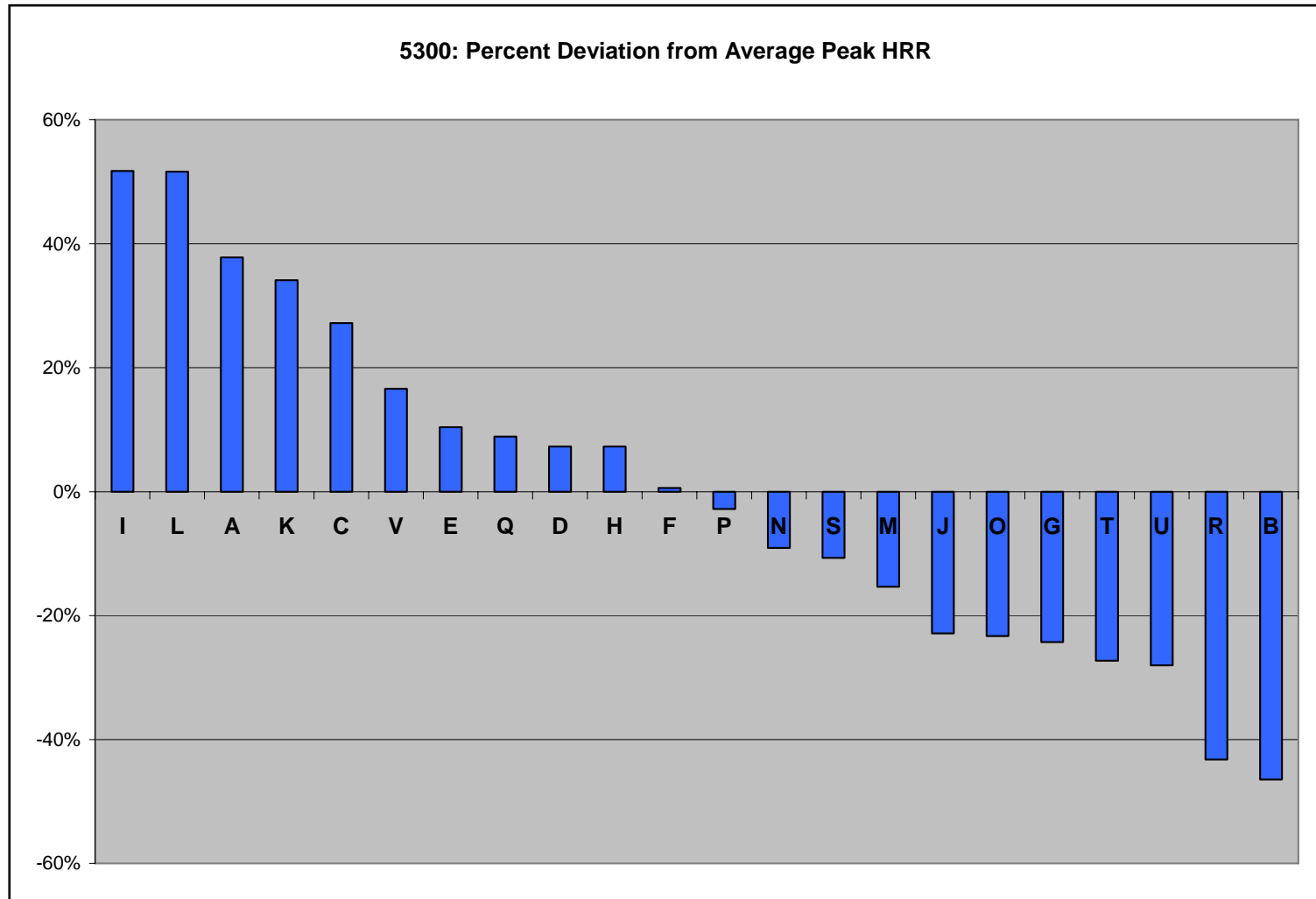


Preliminary OSU Round Robin Results

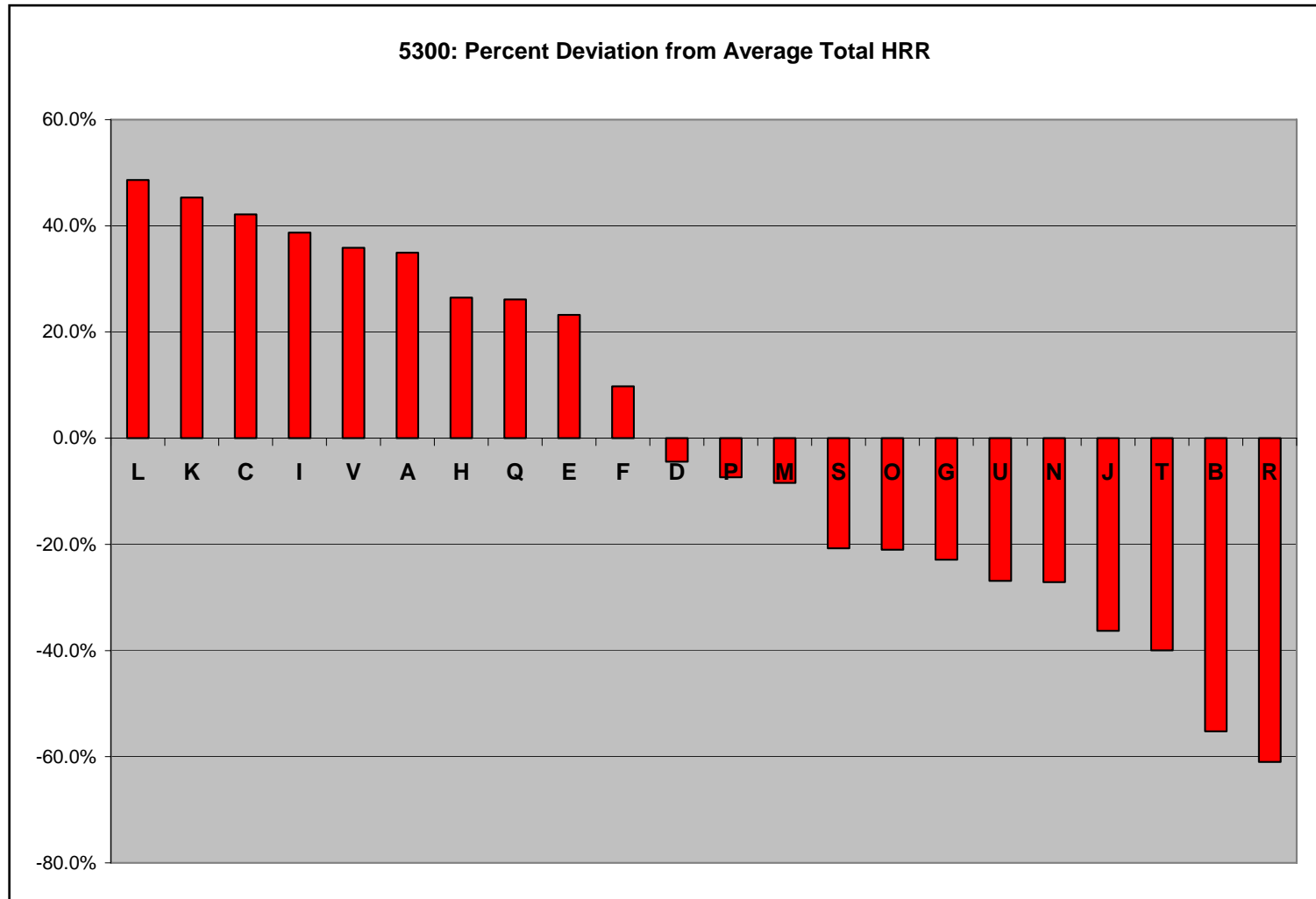
- **22 Labs have reported data**
- **Preliminary data is being presented as the Percent Deviation from the overall average of:**
 - Total Heat Release Rate
 - Peak Heat Release Rate
 - Time to Peak Heat Release Rate



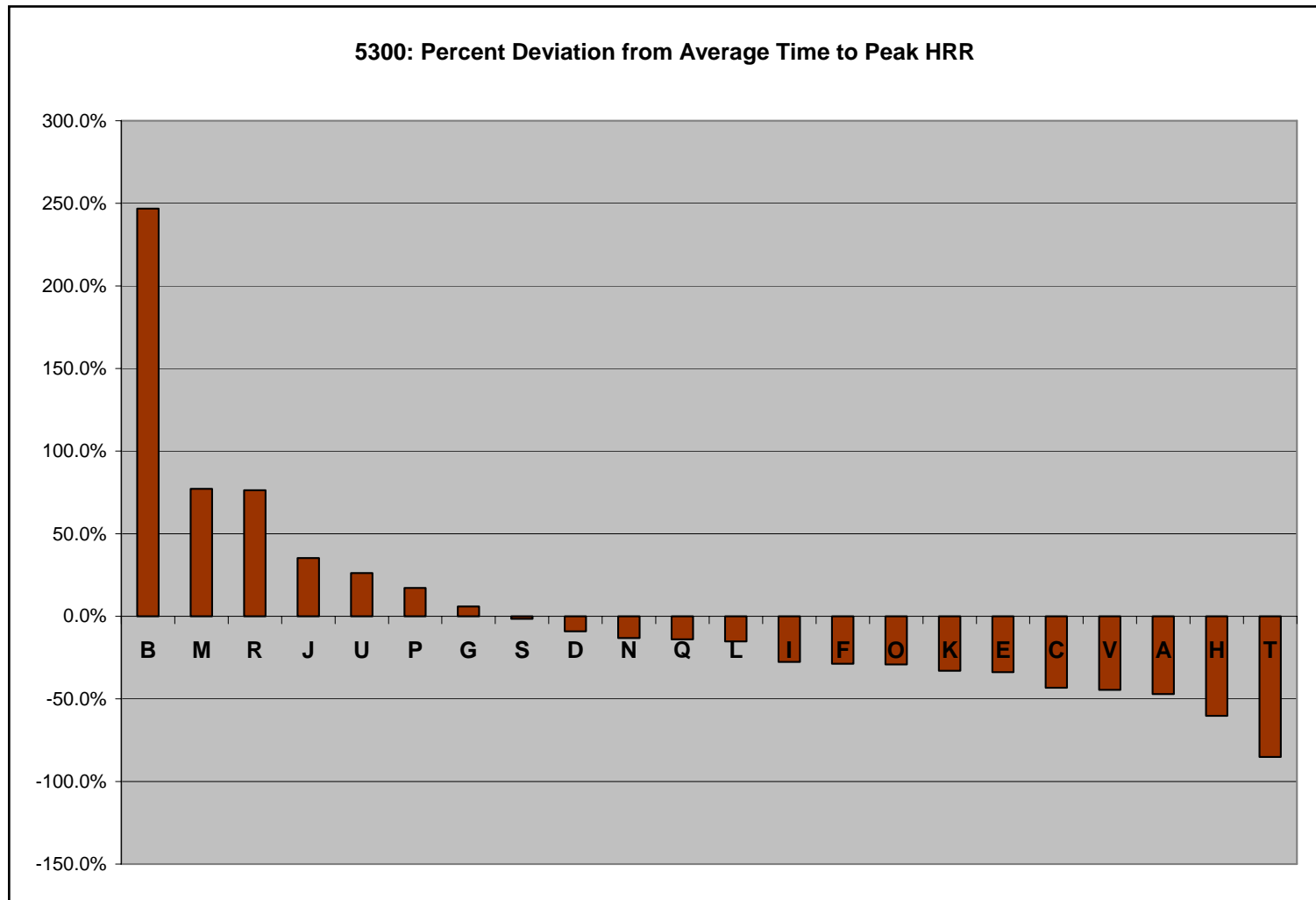
Preliminary OSU Round Robin Results



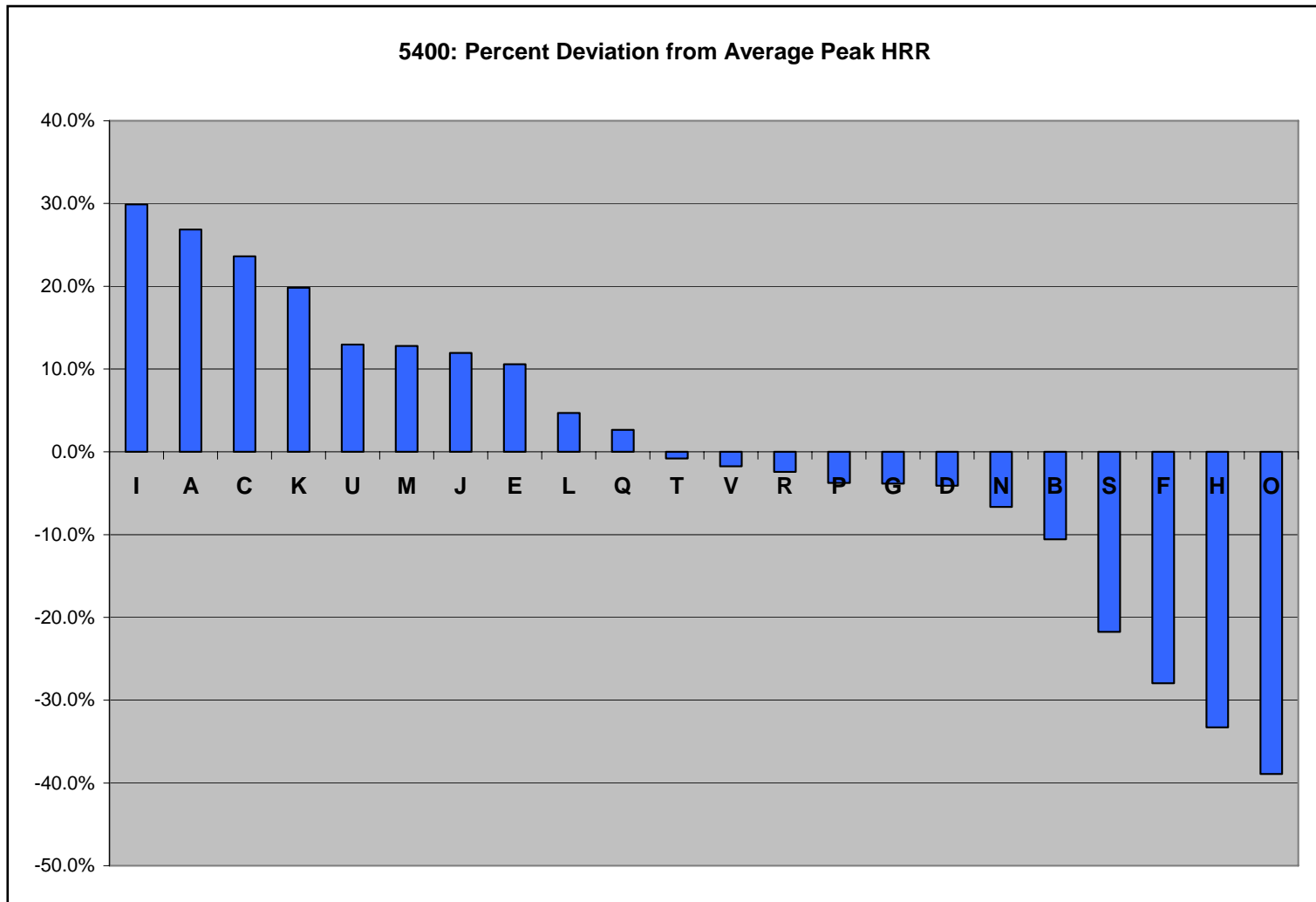
Preliminary OSU Round Robin Results



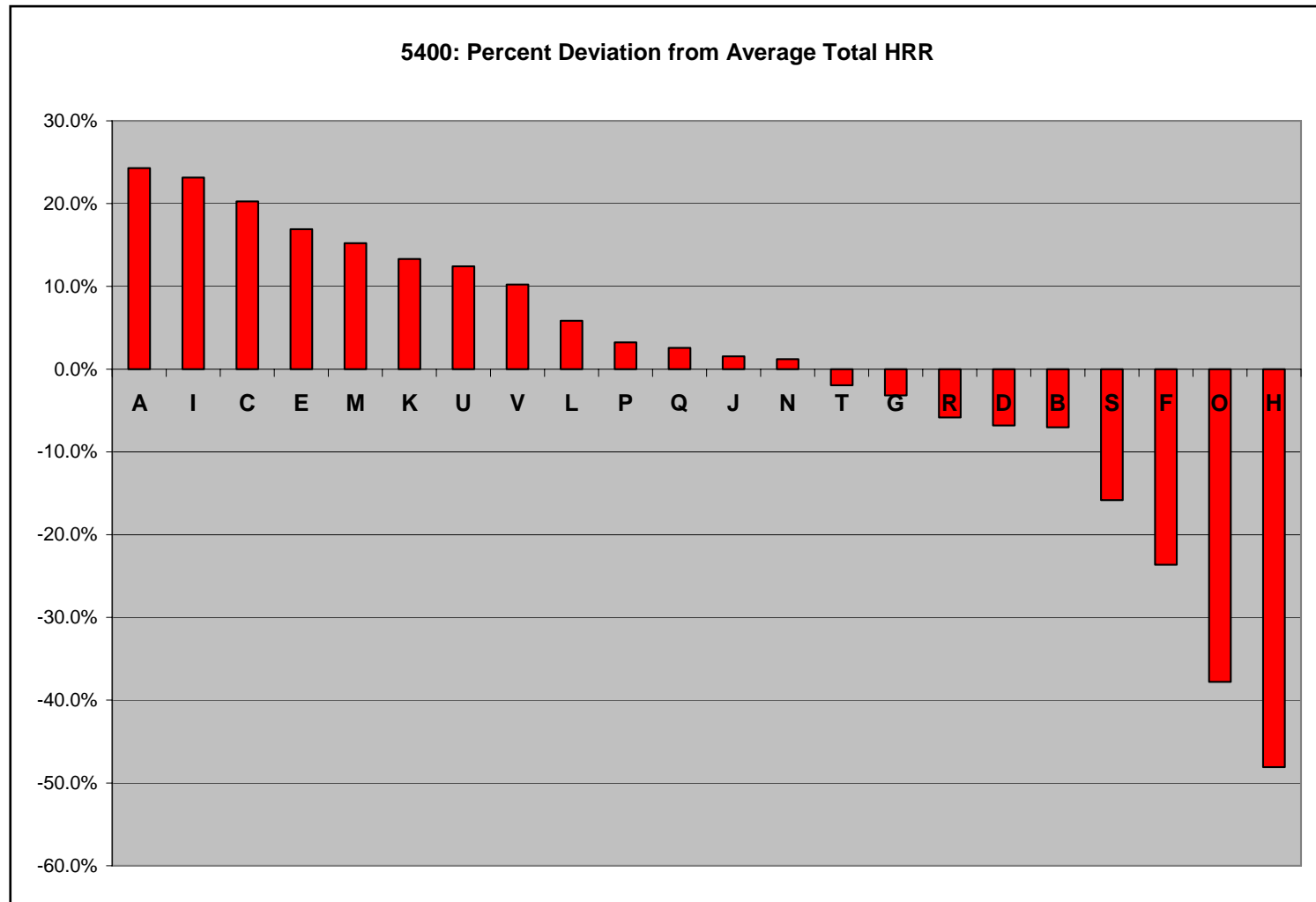
Preliminary OSU Round Robin Results



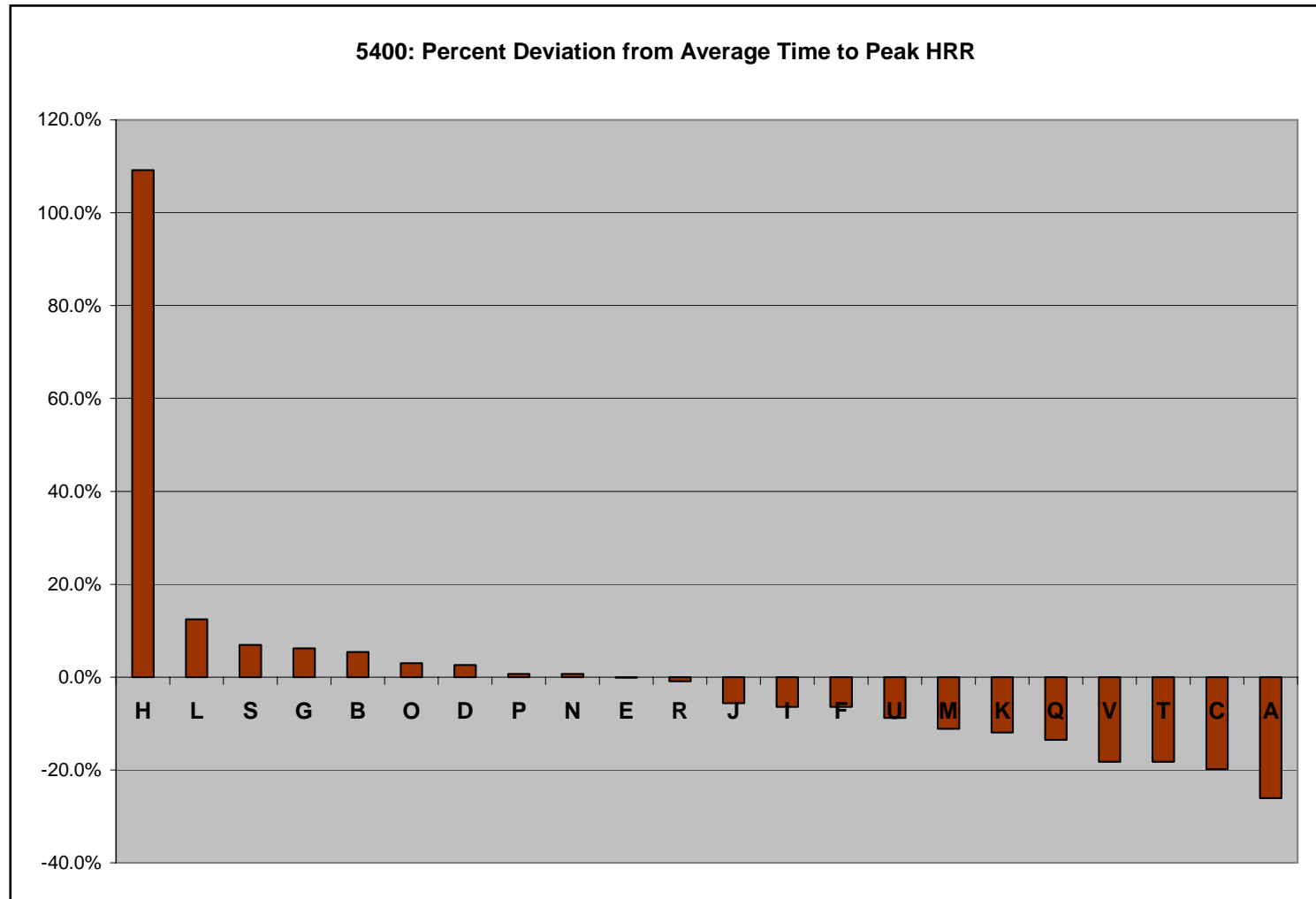
Preliminary OSU Round Robin Results



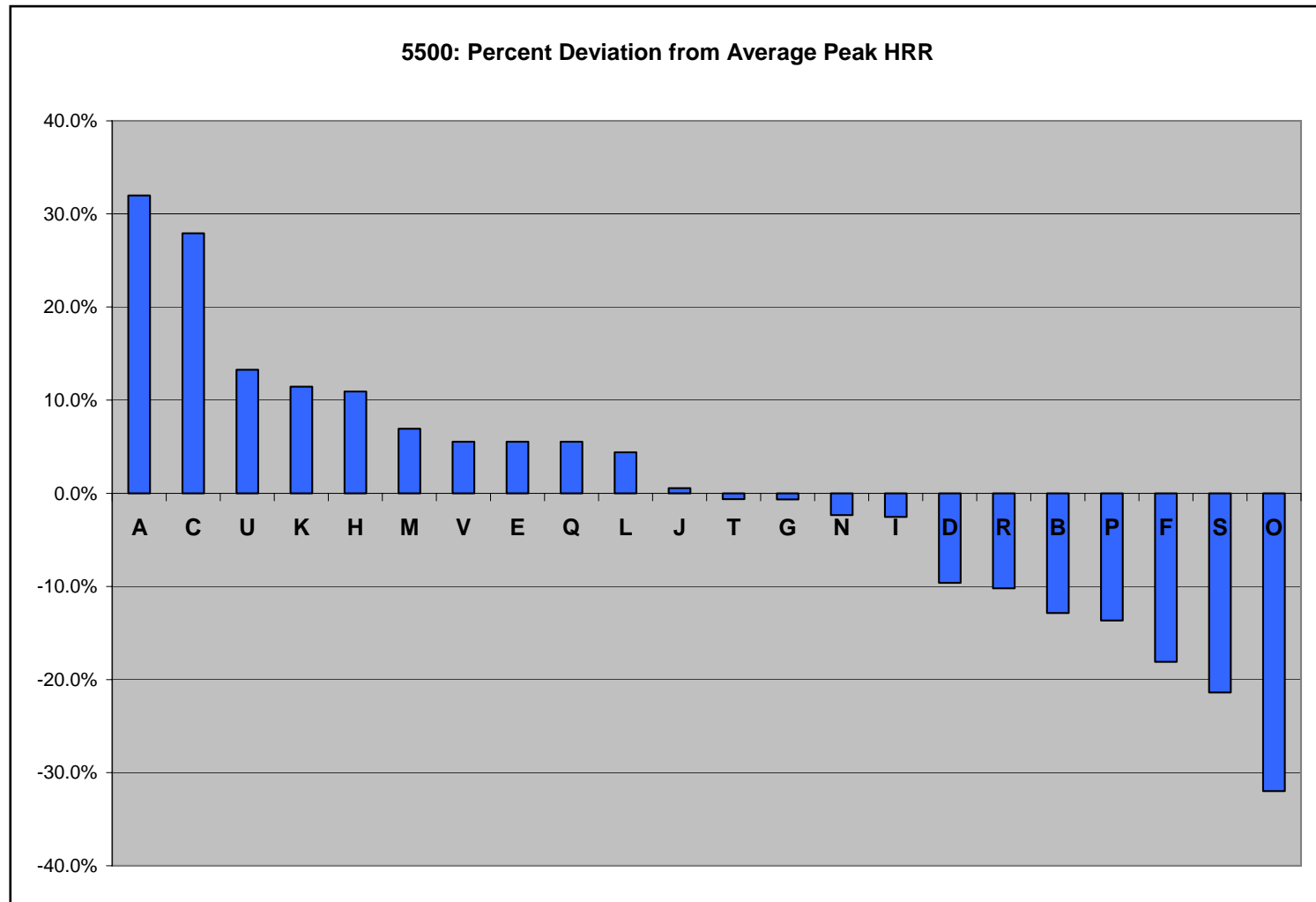
Preliminary OSU Round Robin Results



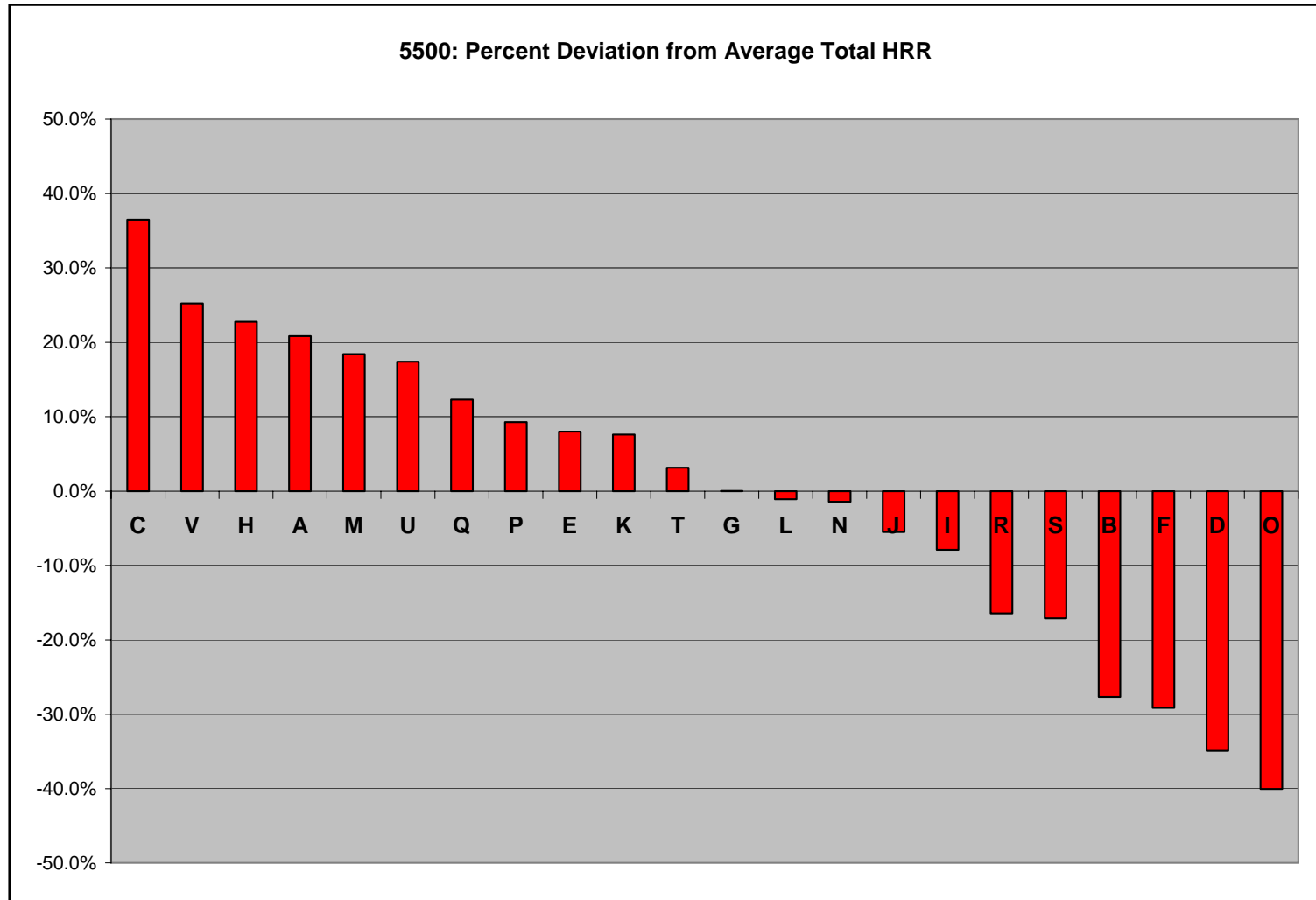
Preliminary OSU Round Robin Results



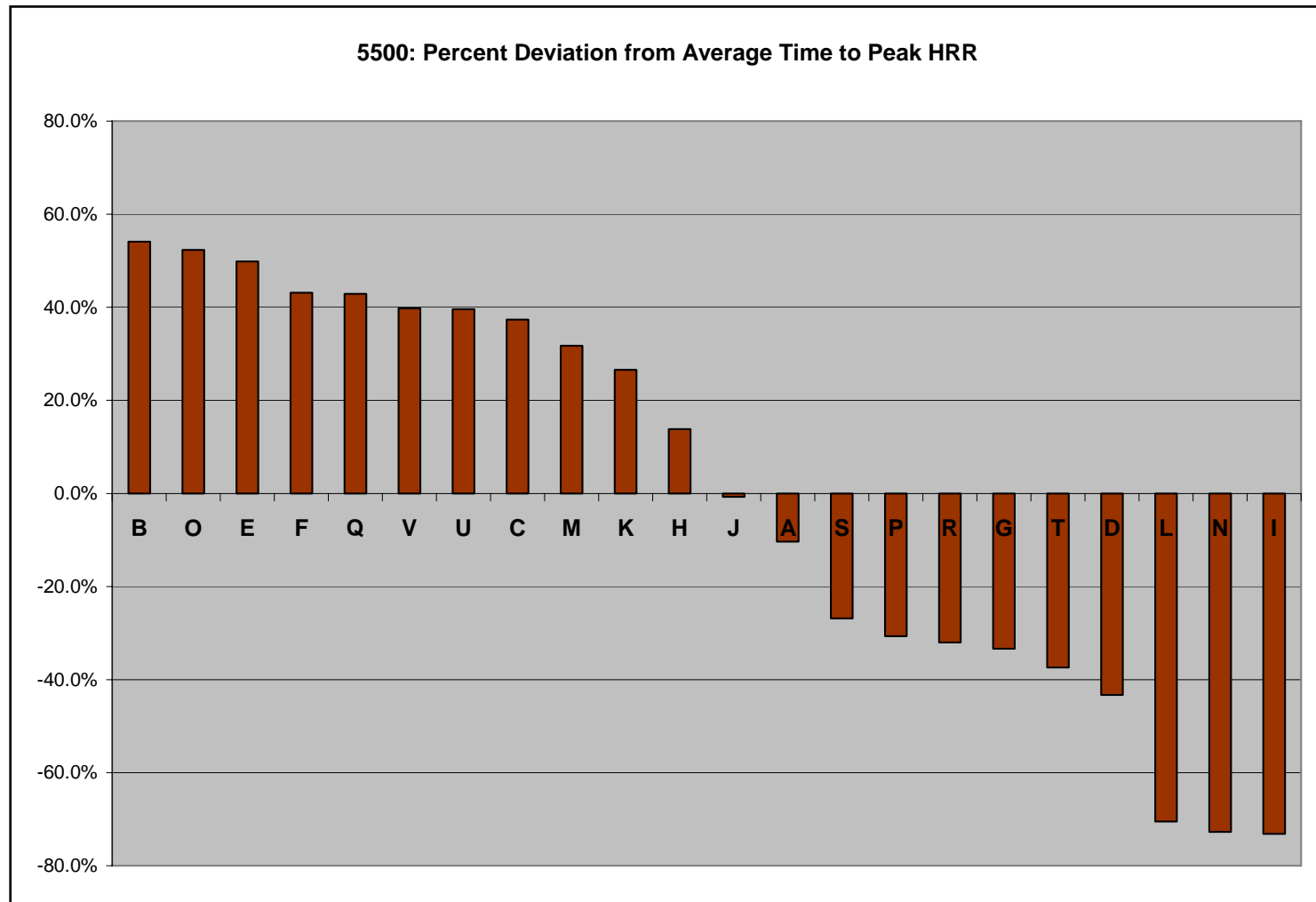
Preliminary OSU Round Robin Results



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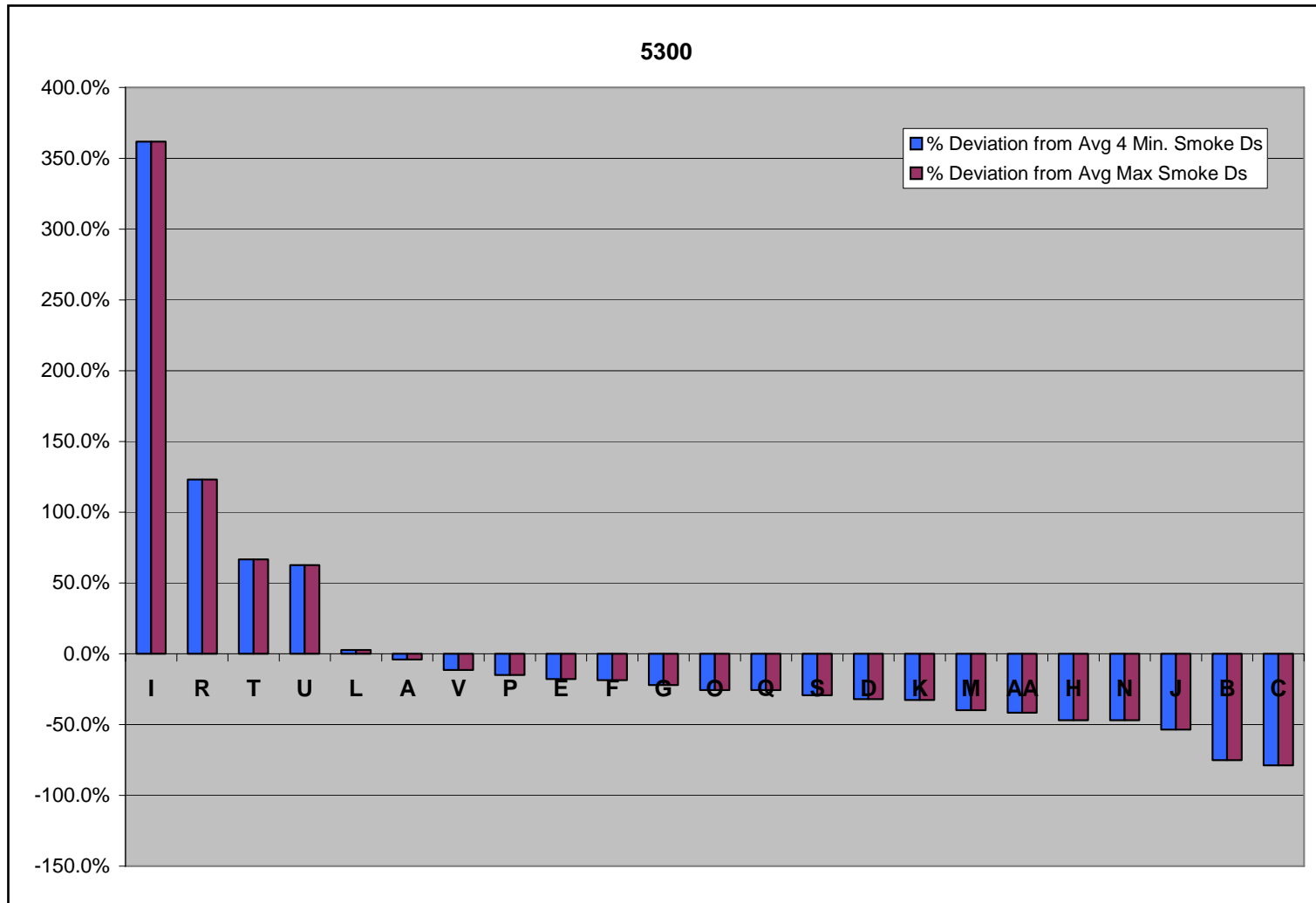
Preliminary OSU Round Robin Results



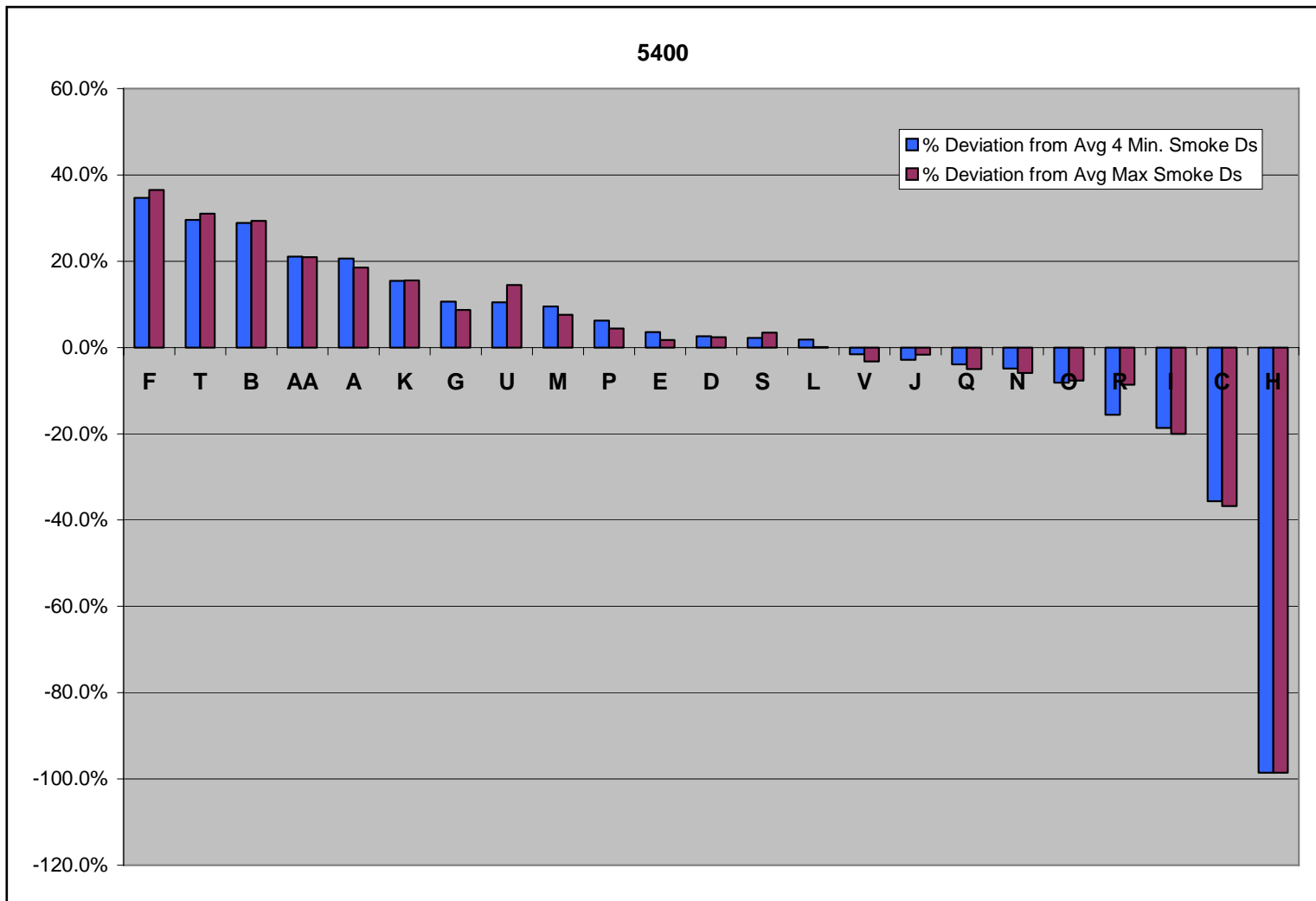
Preliminary NBS Round Robin Results

- 23 Labs have reported data
- Some labs have only reported data for observed Smoke Ds at 4 minutes.
- Reported data contains some ambiguity with regard to observed Smoke Ds at 4 minutes and the Maximum Smoke Ds observed during the 4 minutes.
- Labs will be contacted via e-mail over the next few weeks to collect missing data and clarify reported data.
- Preliminary data is being presented as the Percent Deviation from the overall average of:
 - Reported Smoke Density observed at 4 minutes
 - Maximum reported Smoke Density observed during the minutes.
 - Time to Peak Heat Release Rate

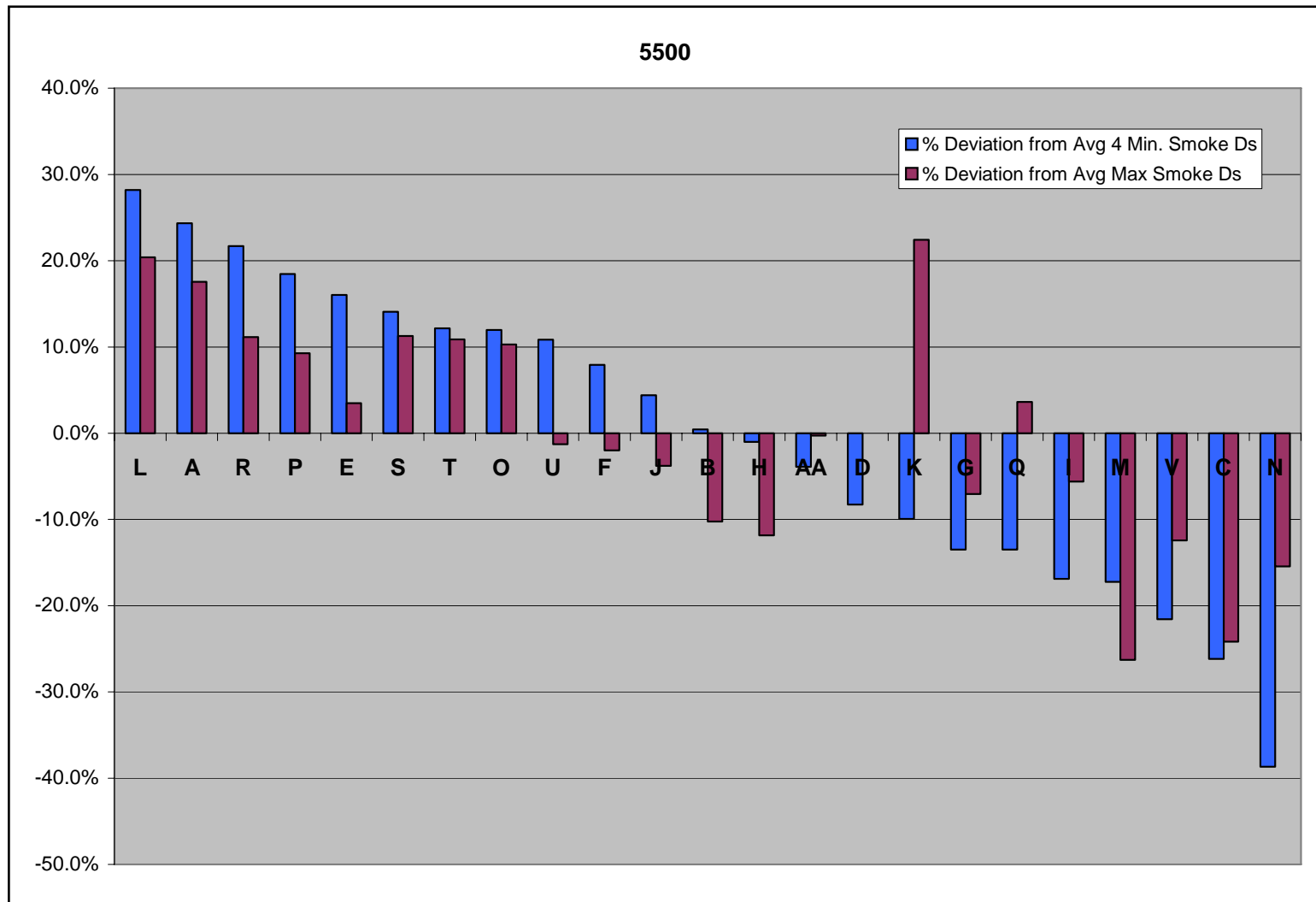
Preliminary NBS Round Robin Results



Preliminary NBS Round Robin Results



Preliminary NBS Round Robin Results



Closing Remarks

- **We are in the process of finalizing analysis of the results.**
- **Some labs will be contacted for clarification and/or correction of the reported data.**
- **Data Analysis should be complete by Spring 2007.**

