

2018: LET'S TALK PHASE II

VAA ROUND ROBIN

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2017 PHASE I: WERE ARE WE

TO DATE: 49 LABS HAVE PARTICIPATED

- 17 DIFFERENT COMPANIES
 - 9 LABS AMRL ACCREDITED
-

PARTICIPATION CONTINUES TO INCREASE

- MORE LABS JOIN
 - LABS TEST ADDITIONAL SAMPLES FOR INTERNAL COMPARISON BETWEEN INDIVIDUAL TECHNICIANS
-

ADDITIONAL SAMPLES STILL AVAILABLE



2017 PHASE I: WERE ARE WE

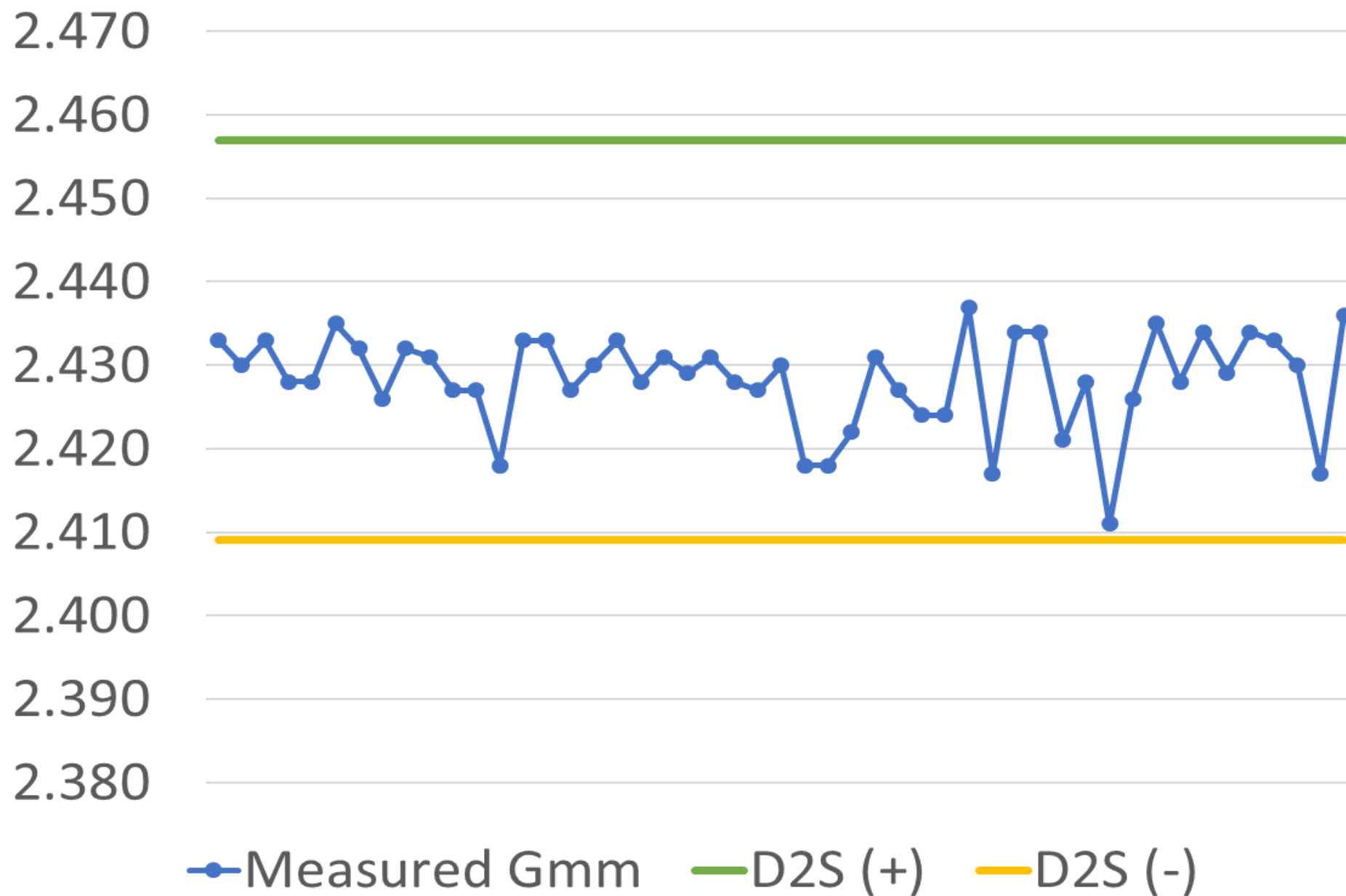
**THROUGHOUT PRODUCTION RANDOM QC
SAMPLES WERE TESTED TO ESTABLISH
TARGET VALUES**

THESE VALUES ARE THE AVERAGE OF 5 SAMPLES

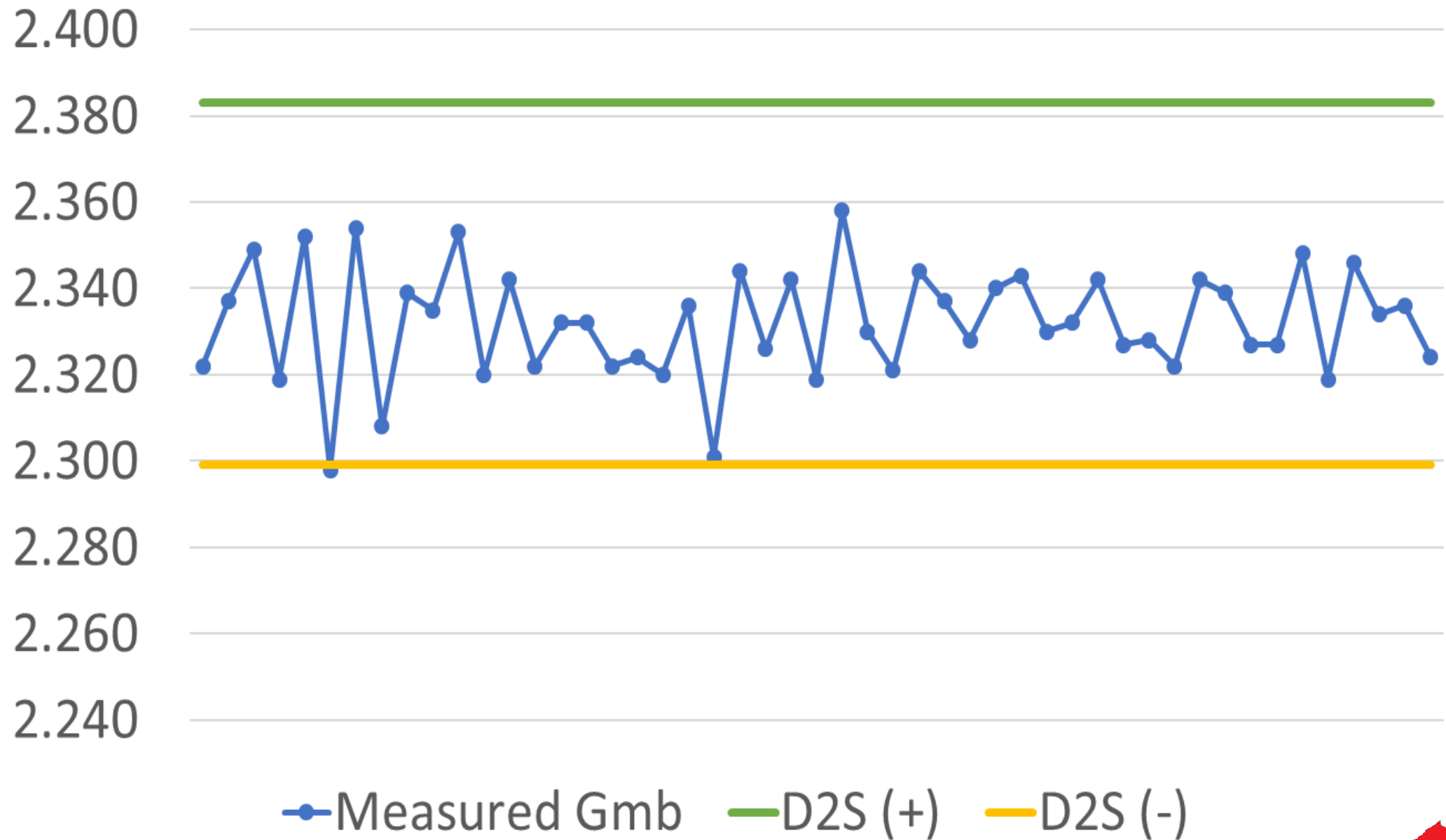
- G_{mm} 2.433
 - G_{mb} 2.341
 - AC 6.30 (oven corrected AC content)
-



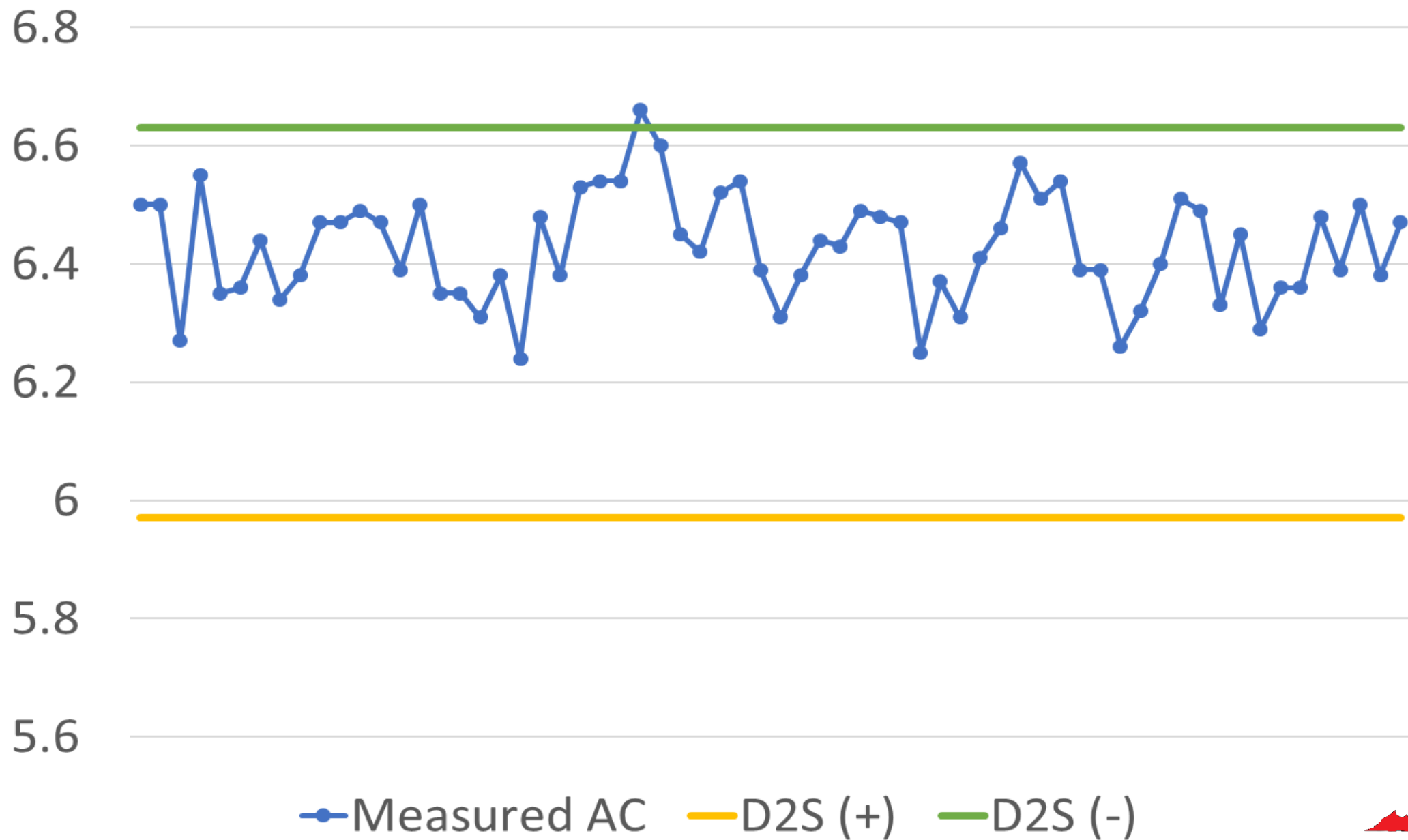
Measured G_{mm} vs. Reference G_{mm}



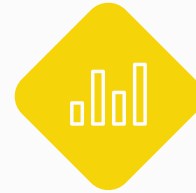
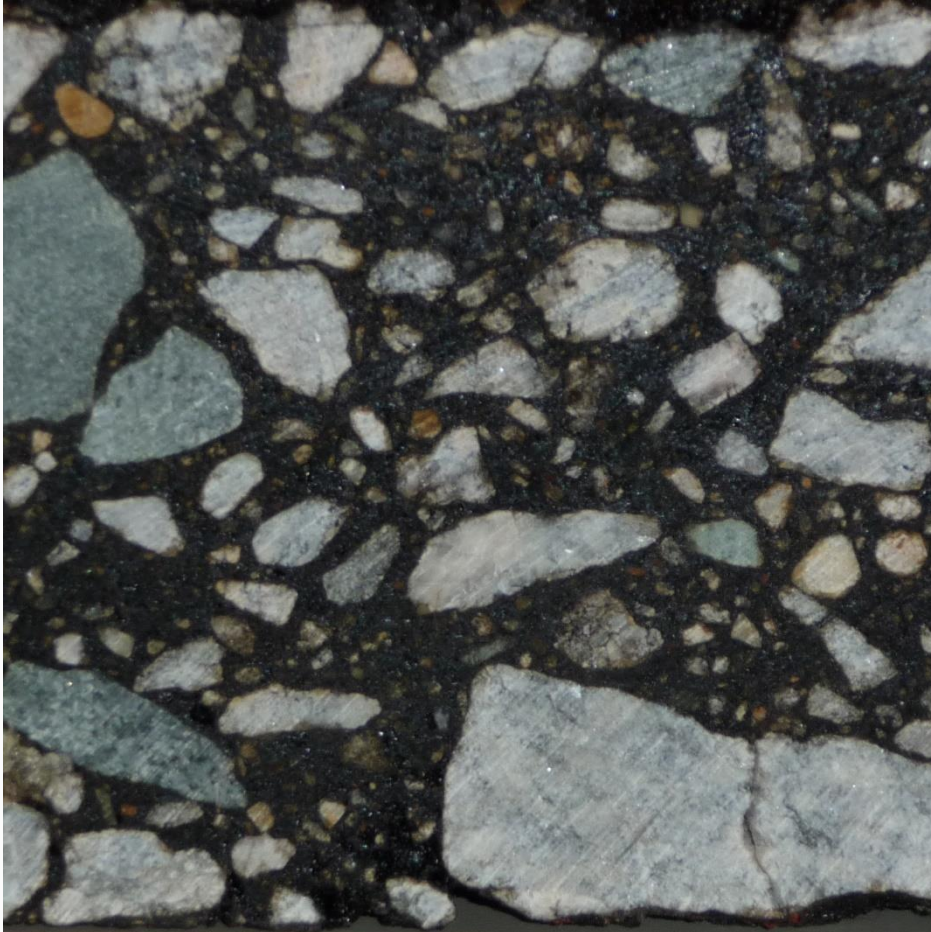
Measured G_{mb} vs. Reference G_{mb}



Measured AC vs. Actual AC by Sample



LESSONS LEARNED



WITH A KNOWN MATERIAL, PARTICIPATING LABS/TECHNICIANS ABLE TO REPRODUCE REFERENCE LAB RESULTS



OVERALL STANDARD DEVIATION ON G_{MM} G_{MB} AND GRADATIONS VERY SMALL



“FAILED” RESULTS WERE IDENTIFIED AND CAUSES DETERMINED





PHASE II: 2018 Plan

- ✓ Expand Round I Participating Labs and Technicians
- ✓ Investigate Variability Due to Sampling Procedures
- ✓ Materials Will Be Plant Produced, not Lab Produced
- ✓ Two Sampling Approaches, Current Procedure and Bulk Splitting





QUESTIONS?



To Participate in Round Robin Phase II
Contact Mike Dudley : mdudley@vaasphalt.com

