3rd AIAA Sonic Boom Prediction Workshop
January 4-5, 2020 Orlando, FL

Suggested Presentation Guidelines for Propagation Cases:

Each workshop participant will give a presentation summarizing their analyses. Each participant will have a 30-minute time slot, with 20 minutes for presentation and 10 minutes for questions. A summary presentation of the test cases will begin the morning. Please do not include the provided test case input details in the individual participant presentations. We have a very full day planned, so please be brief.

1. Introduction / Outline

2. Summary of cases analyzed

3. Propagation prediction code
   - Method of preparation of input data for use in prediction code, if any (multipole expansion, etc.)
   - Incorporation of realistic atmospheric profiles, particularly pressure interpolation method
   - Summary of prediction code and the capabilities used
   - Loudness code
   - Computing Platform: scalar/parallel, shared/distributed memory, # processors

4. For each case analyzed
   - Ground signatures in pressure (Pa) vs. time (s)
   - Lateral cutoff angles and locations
   - Loudness values, including PL and BSEL
   - Changes made to submission if contacted by the committee for clarification

5. If you ran optional focus boom analysis, please emphasize details pertaining to that including
   - Calculation of incoming waveform
   - Setup of computational domain, numerical scheme used, etc.
   - Computed signatures, PL, and BSEL of evanescent, focus, and post-focus booms

6. Highlights - Please highlight anything unique or of particular interest – about the nearfield input, signatures, atmospheres, or your solutions – that you found during your analysis.

7. Summary / Conclusions

Thank you for your participation!

For more information:
   https://lbpw.larc.nasa.gov/
   aiaa-boompw-committee@lists.nasa.gov