January 8, 2026
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Agenda, January 8

- Happy New Year !

- Workshop

- BSCW experiment schedule

- Workshop commitments and data preparation

- AIAA SciTech 2026

- Presentation from Ryoya Kikuchi, Hokkaido University

- Next meeting, February 12.

Agenda, January 8: Workshop

- Workshop
  - AIAA Aviation, 8-12 June 2026
  - DPW-8 and AePW-4 Workshop is on the weekend before AIAA Aviation, 6-7 June 2026.
  - Participation in the workshop is separate from AIAA Aviation. The workshop registration fee will cover both DPW and AePW participations.
  - No AIAA Aviation conference fee is necessary, unless you are presenting a paper.
  - Virtual option is available at the reduced fee.
  - We are planning special sessions at AIAA SciTech 2027 to present key findings from the workshop.

Agenda, January 8: BSCW Experiment

- BSCW experiment schedule
  - Installation begins tomorrow
  - Air-on, January 20

Splitter Plate

BSCW

Fairing
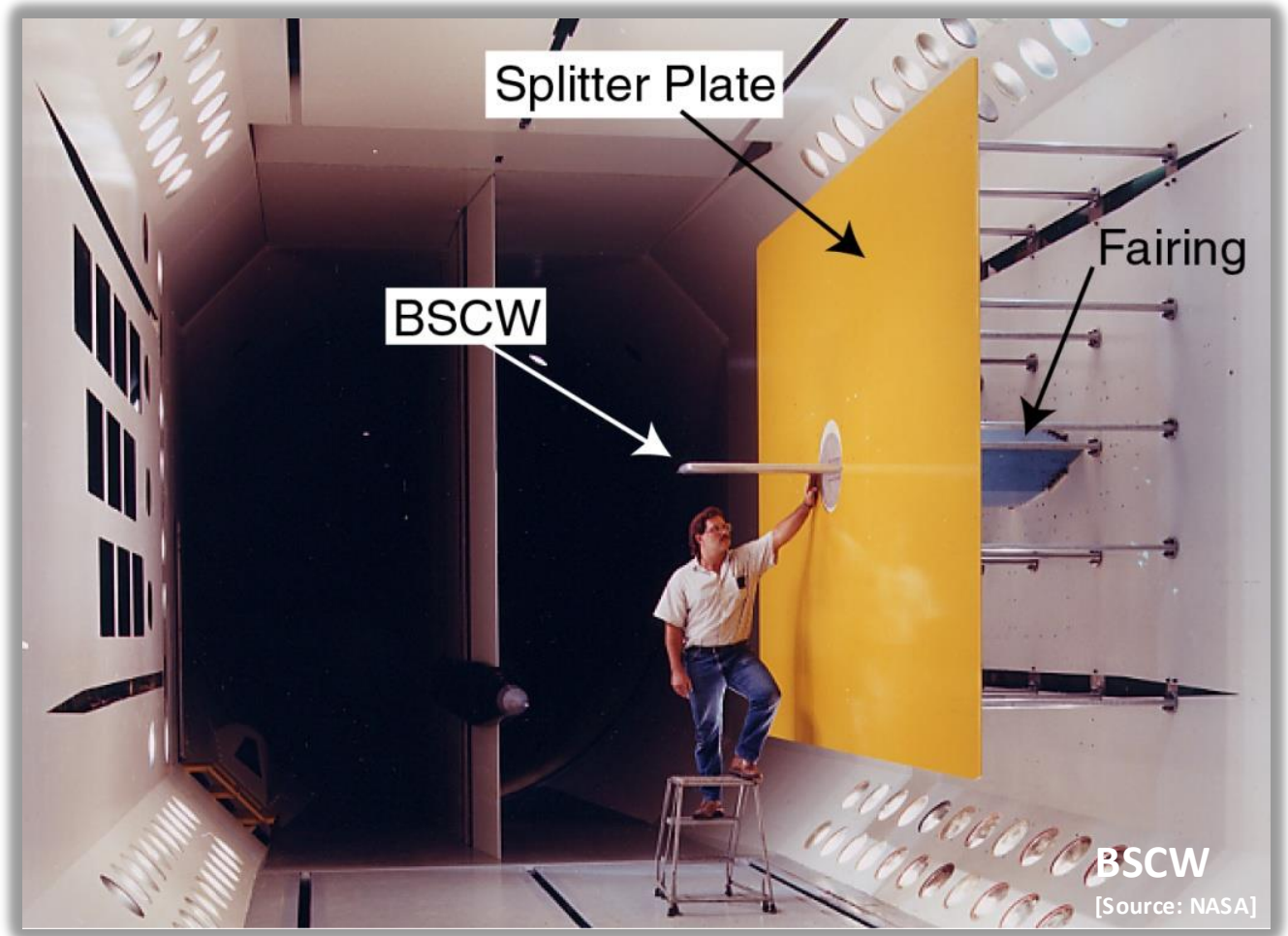
BSCW
[Source: NASA]

Agenda, January 8: Workshop commitments

- Workshop commitments
  - Please send me an email with a commitment statement. For example, NASA Langley team will contribute to the AePW-4 High Angle Working Group by providing BSCW flutter computations for Cases 1-3. FUN3D software is being used.
  - Reminder:
    - Case 1: 3D wing flutter prediction at Mach 0.80 and angle-of-attack sweep: 0° – 6°
    - Case 2: 3D wing flutter prediction at Mach 0.74, 0.76, 0.78 and angle-of-attack 3°
    - Case 3: 2D wing flutter prediction at Mach 0.80 and angle-of-attack sweep: 0° – 6°

Agenda, January 8: Data Preparation

- Data preparation
  - Steady rigid: CL, CD, and Cm coefficients (moment reference point: mid chord) at ALL mesh resolutions.
  - Surface Cp in Tecplot format: I will extract Cp vs. x/c at 60% and 95% wingspan (3D).

- Time domain
  - Temporal history of generalized displacement/velocity at ALL Qs at ALL mesh resolutions
    - Columns: (time | mode1 displacement | mode1 velocity | mode2 displacement | mode2 velocity)
    - File name request: {Team}_Dataset{#}_Case{#}_Mach{#}_AoA{#}_Q{#}_{Mesh}_Dt{# in seconds}.dat
      + Example: NASA_Dataset1_Case1_Mach0.80_AoA5.0_Q169_Coarse_Dt0.0001.dat
      + Teams provide 'Dataset' information as a table (perturbation size/type, turbulence model, limiter settings, etc.)
  - Table with YOUR flutter dynamic pressure prediction

- Frequency domain: flutter dynamic pressure at Mach and AoA

- If you are using your own grids, please send them to Pawel

Agenda, January 8: AIAA SciTech 2026

- AIAA SciTech 2026: DPW/AePW workshop update meeting on Thursday, January 15 at 3:30 – 5:30 pm (15:30-17:30) EST in a Peacock Spring room. Teams link will be provided if you want to join in.

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- Presentation from Ryoya Kikuchi, Hokkaido University

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