Slides for Use in Thesis Defense of Benjamin S. Waxman

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STANFORD UNIVERSITY
STANFORD, CA
94305

Benjamin S. Waxman
Stanford University, Stanford, CA 94305
waxman@stanford.edu

Gregory G. Ziliac
NASA Ames Research Center, Moffett Field, CA 94035
gregory.g.ziliac@nasa.gov
Peregrine Chamber Pressure Time-History: Test E2

- RESULTS FROM EARLY TESTING IN THE PEREGRINE HYBRID COMBUSTION FACILITY

\[ T_{\text{OX}} \approx 13.5 \, ^\circ\text{C} \]
Peregrine Chamber Pressure Time-History: Test E2 (Zoomed In)

- RESULTS FROM EARLY TESTING IN THE PEREGRINE HYBRID COMBUSTION FACILITY

\[ T_{OX} \approx 13.5 \, ^\circ C \]
Peregrine Chamber Pressure Time-History: Test E3-2

- **Peregrine Hybrid Combustion Facility Test with Baseline Chamber Geometry**

\[ T_{OX} \approx 14.5 \, ^\circ C \]
Peregrine Chamber Pressure Time-History: Test E3-2 (Zoomed In)

- Peregrine Hybrid Combustion Facility Test with Baseline Chamber Geometry

\[ T_{\text{OX}} \approx 14.5 \, ^\circ\text{C} \]
Peregrine Chamber Pressure Time-History: Test E3-4

- **Peregrine Hybrid Combustion Facility Test with Baseline Chamber Geometry and Increased Oxidizer Temperature**

\[ T_{\text{OX}} \approx 21.0 \, ^\circ\text{C} \]
Peregrine Chamber Pressure Time-History: Test E3-4 (Zoomed In)

• **Peregrine Hybrid Combustion Facility Test** with baseline chamber geometry and **increased oxidizer temperature**

\[ T_{\text{OX}} \approx 21.0 \, ^\circ\text{C} \]
Peregrine Chamber Pressure Time-History: Test E4-1

- **Peregrine Hybrid Combustion Facility Test with Modified Chamber Geometry and Increased Oxidizer Temperature**

\[ T_{OX} \approx 22.5 \, ^\circ C \]
Peregrine Chamber Pressure Time-History: Test E4-1 (Zoomed In)

- **Peregrine Hybrid Combustion Facility Test with Modified Chamber Geometry and Increased Oxidizer Temperature**

![Graph of Chamber Pressure vs. Time]

\[ T_{OX} \approx 22.5 \, ^\circ C \]