

W76-1/MK4A JT4A-2B Normal Environment and Model Validation
Test Team

The W76-1/MK4A JT4A-2B Normal Environment and Model Validation Test Team is receiving its award for exemplary effort in the successful completion of the W76-1/MK4A JT4A-2B test series under extremely tight schedule constraints. The JT4A- 2B Normal Environments Test was the first high-fidelity, systemlevel test supporting qualification of the MK4A reentry body (RB) design under the W76-1/MK4A Life Extension Project. Vibration and shock environments specified in the W76-1 Stockpile-to- Target Sequence (STS) document were applied and controlled at the aft end of the JT4A-2B body, and response measurements were made at critical locations within the test body. The team met the test objectives, which included collecting data for developing component environment specifications, defining follow-on dynamic response test environments, confirming pre-flight ground qualification for the DASO-18 flight test, validating structural dynamics models using the ASCI code SALINAS, and evaluating differences in the dynamic response of the W76-1 system relative to the W76-0 system.

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