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FACT SHEET

29 August 1957

SUBJECT: Preliminary Report on JUPITER Firing (U)

1. The fourth JUPITER missile, which was scheduled for firing at 1300 hours EST, 28 August 1957, was successfully fired from the Florida Missile Test Range at 1602 hours EST, 28 August 1957.

2. The missions of this fourth missile were generally the same as for the first three firings, that is test of the propulsion system, aeroballistic behavior of the missile, and range demonstration. In addition, the separation of the body from the thrust unit was tested for the first time. Preliminary information indicates the separation was a complete success.

3. Predicted range was 1465 nautical miles. Preliminary information indicates that cut-off velocity and range were close to theoretical data.

4. From preliminary analysis of flight data, the firing was a complete success and all missions were accomplished. Ignition, mainstage and lift-off were normal. Incomplete data shows that cut-off came at 169.8 seconds as predicted. Separation came approximately 5 seconds later as predicted.

5. Excellent telemetry records were obtained. Good photographic coverage is expected from take-off to approximately 10,000 feet. Long range cameras were limited by overcast.

6. Further information will be provided as available.



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Regrading data cannot be predetermined.