

UNCLASSIFIED

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 st Review Date: <u>7/16/98</u>	Declassification (Circle Numbers): 1. Classification Retained: <u>U</u> 2. Classification Changed to: <u>U</u> 3. Contains No EOE Classified Information 4. Coordinate With: 5. Contains UCAIT: <u>NO</u> 6. Comments: <u>OK for personnel</u>
Authority: <input type="checkbox"/> ADC <input checked="" type="checkbox"/> ADD Name: <u>W. L. ...</u>	
2 nd Review Date: <u>7/13/98</u>	
Authority: <input type="checkbox"/> ADC <input checked="" type="checkbox"/> ADD Name: <u>R. B. Cramer</u>	

APR 1 0 1963

File No: T-14
T-19091
Test Completed: 10-24-62

RECEIVED

APR 1 1963

MR. T. J. NOBAN - 7212
Attn: M. B. Leeman

CENTRAL RECORD FILE

Re: Centrifuge Test of the 53.73 Telemetry Package

(U)

CENTRAL RECORD FILE
CLASSIFICATION
FILE NO. <u>53/Titan II</u>
<u>3-2</u>

Object of Test

The object of this test was to prove the structural integrity of the 53.76-6 telemetry package, and to determine if it will function when subjected to the sustained acceleration encountered during qualification flight.

Authorization for Test

This test was authorized in an Environmental Test Order from Division 7212 dated 10-18-62. Mr. M. B. Leeman was the consultant.

Procedure and results

The unit was first mounted in the launch orientation as shown in Figure 1 and subjected to an acceleration of 12g for a period of 60 seconds. The unit was next mounted in the re-entry orientation as shown in Figure 2 and subjected to an acceleration of 68g for a period of 60 seconds. Next the unit was mounted in the lateral orientation as shown in Figure 3 and subjected to an acceleration of 20g for a period of 60 seconds. The unit was then rotated 90° about the longitudinal axis so the vertical axis was in the direction of acceleration. It was then subjected to an acceleration of 20g for a period of 60 seconds.

The telemetry functioned properly during all phases of the test. There was no apparent damage to the telemetry package as a result of this acceleration test. There was no instrumentation required.

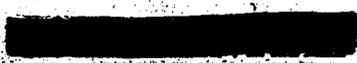
This test was run in accordance with SC-4452A(M).

UNCLASSIFIED

T. H. Traver

T. H. TRAVER - 7323-2

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: <u>U</u> <i>Emelda Sehon 7/21/98</i>	AUTHORITY: <u>R. B. Cramer</u>
PERSON CHANGING MARKING & DATE: <i>W. L. Cramer 7/22/98</i>	RECORD ID: <u>98SN2814</u>
PERSON VERIFYING MARKING & DATE:	DATED: <u>7/13/98</u>



UNCLASSIFIED

Mr. T. J. Hoban - 7212

- 2 -

T-19091

D. T. Judd
Test Project Engineer: D. T. JUDD - 7331-1

R. S. Hooper
Approved By: R. S. HOOPER - 7331-1

THT:7323-2:mw

Encl: Figures 1 - 3

Copy to:

C. S. Williams, Jr., 1442

D. S. Bliss, 2344

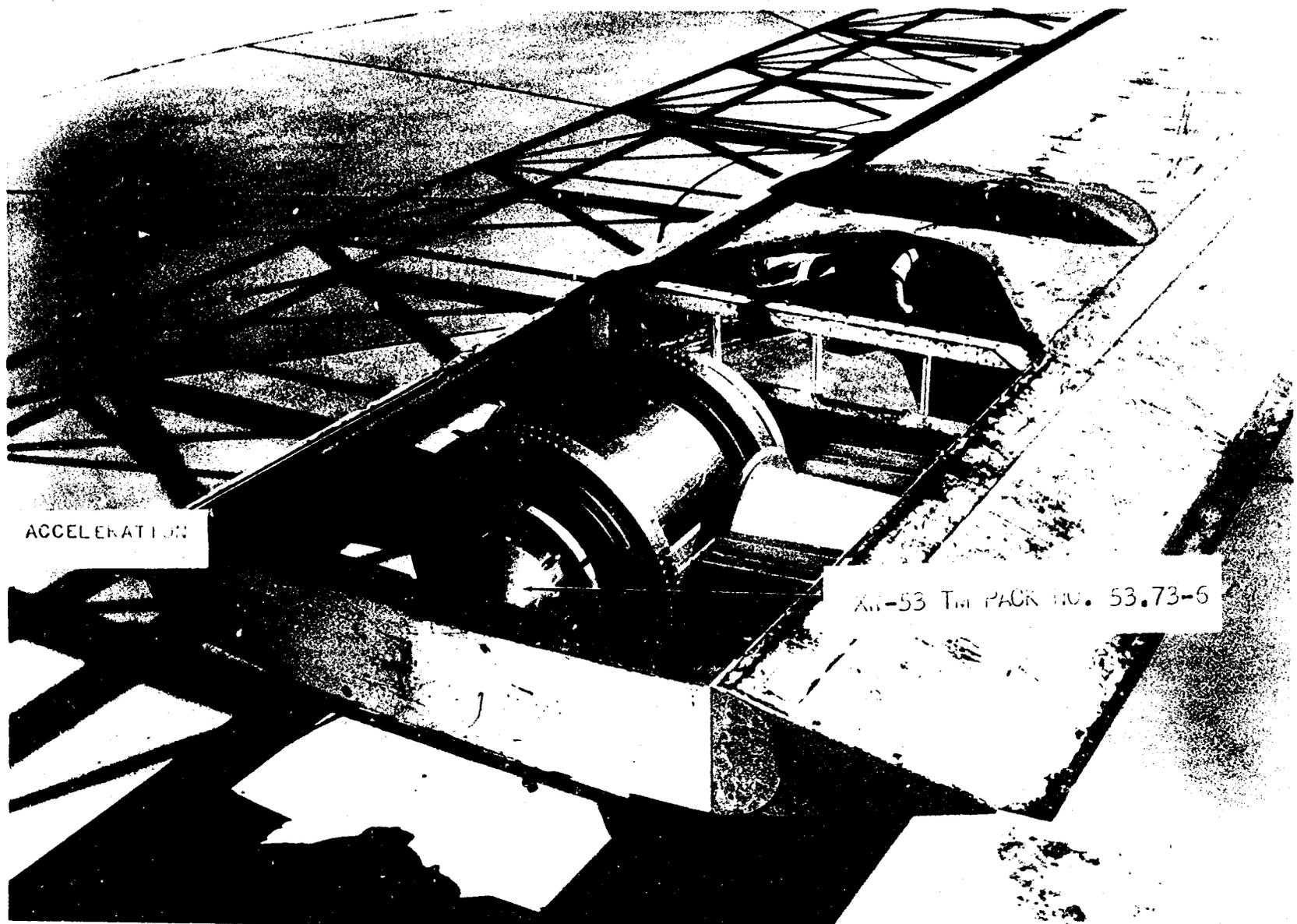
E. H. Copeland, 7331

C. L. Johnson, 7523

Central Record File, 3421-3

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ACCELERATION

XW-53 TM PACK NO. 53.73-6

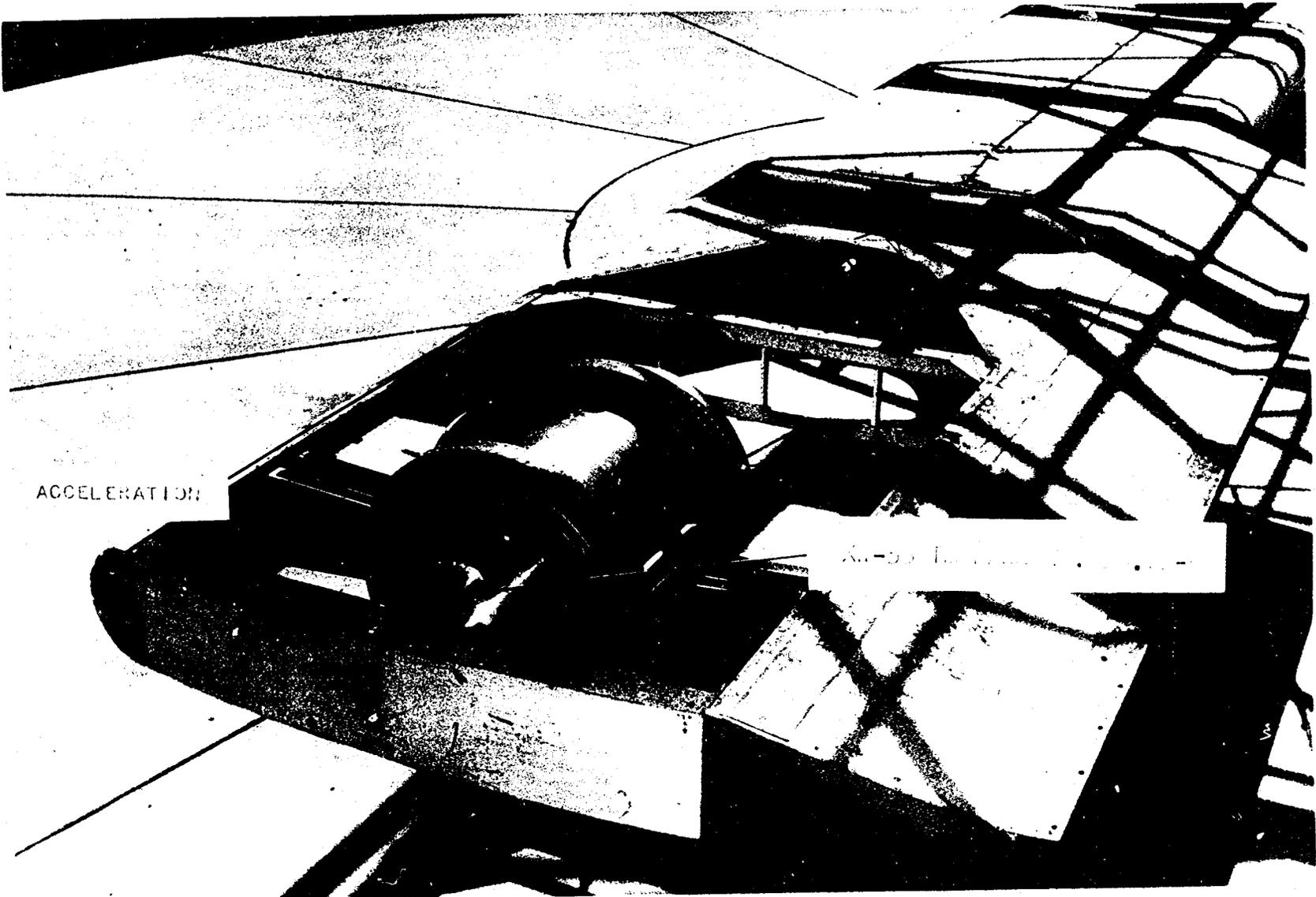
FIG. 1 SETUP USED FOR LAUNCH ORIENTATION OF XW-53 TM PACKAGE

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ACCELERATION

X-55 Instrument Panel

Fig. 1. COCKPIT AND NECESSARY ORIENTATION OF X-55 INSTRUMENT PANEL FOR TEST OF TD WSR NO. 55.75-11

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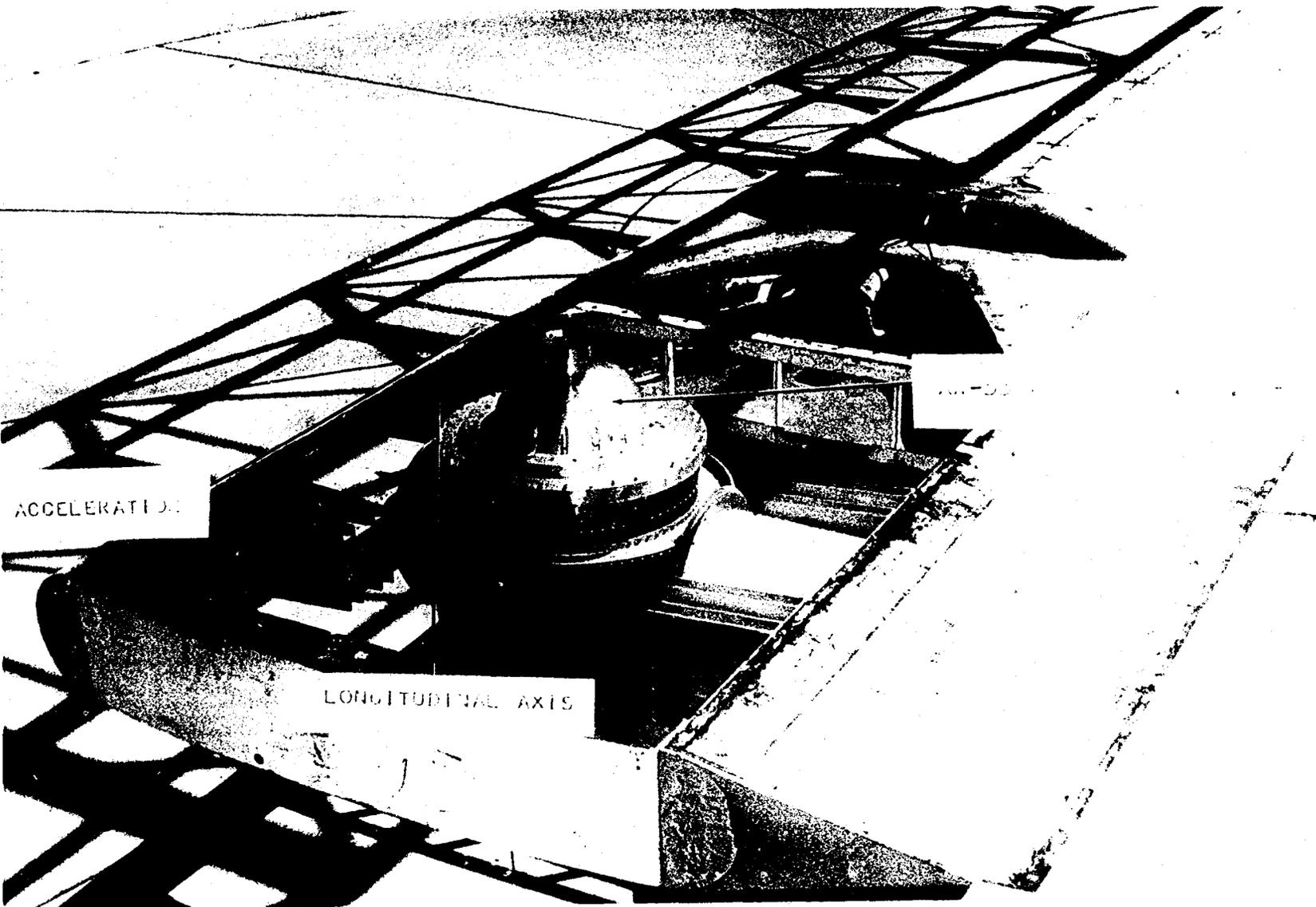


FIGURE 1. TEST RIG FOR MEASURING AND EVALUATING THE EFFECTS OF ACCELERATION ON THE PERFORMANCE OF A SYSTEM.

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