

DOCKET NO. SA-510

**NATIONAL TRANSPORTATION SAFETY BOARD**

**WASHINGTON, D.C.**

Rudder Blowdown Model

October 7, 1994  
B-U01B-14950-ASI

Mr. Thomas Haueter, AS-10  
National Transportation Safety Board  
490 L'Enfant Plaza East SW  
Washington DC 20594

**BOEING**

Subject: US Air 737-300 Accident, N513AU/PP033 Near  
Pittsburgh Pennsylvania, September 8, 1994 - Rudder Blowdown

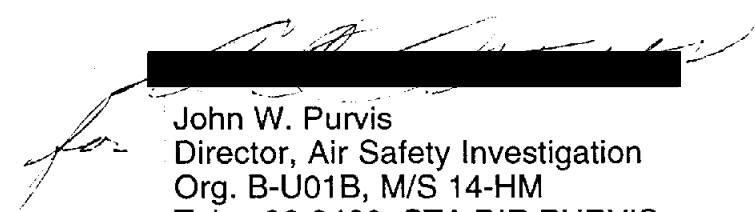
Dear Mr. Haueter:

A copy of the enclosed rudder blowdown model was provided to  
Mr. Tom Jacky during the week of September 19, 1994 to be used by  
the Performance Group in the subject investigation.

If you have any questions, please contact Rick Howes, ( [REDACTED] )  
or me.

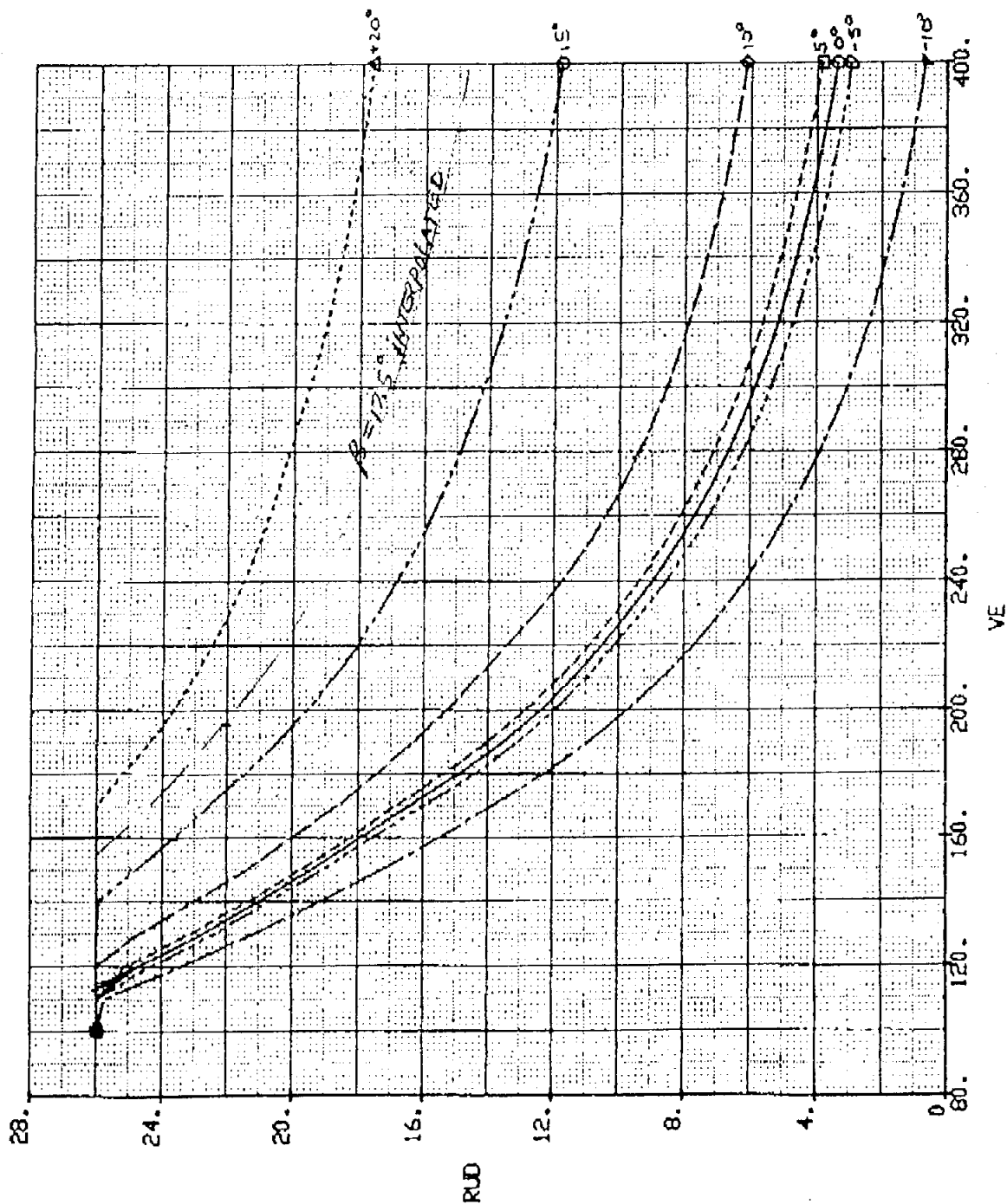
Very truly yours,

FLIGHT TEST

  
[REDACTED]  
John W. Purvis  
Director, Air Safety Investigation  
Org. B-U01B, M/S 14-HM  
Telex 32-9430, STA DIR PURVIS  
[REDACTED]

Enclosure: 737-300 Rudder Blowdown Model, July 22, 1987

737-300 RUDDER BLOWDOWN FLIGHT UPDATED SIMULATOR



Calc	S. FRICKE	22 JUL 87	REVISED	DATE
CHECK				
APPD.				
APPD.				

RUDDER BLOWDOWN MODEL

737-300

THE BOEING COMPANY

18 PRIME: [100,102] RUDDER: 1

14:45:44

October 7, 1994  
B-U01B-14952-ASI

Mr. Thomas Jacky, RE-60  
National Transportation Safety Board  
490 L'Enfant Plaza, SW  
Washington DC 20594-2000

**BOEING**

Subject: US Air 737-300 Accident, N513AU/PP033 Near  
Pittsburgh, Pennsylvania, September 8, 1994 - Video

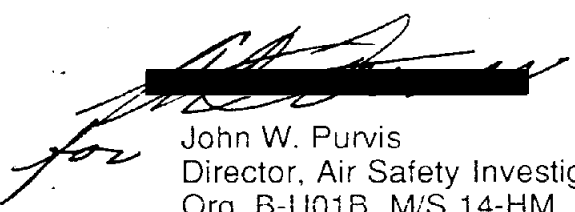
Dear Mr. Jacky:

During the NTSB Performance Group meeting in Seattle, Washington on September 21 and 22, 1994, you requested a copy of the enclosed video. This video captures on film certain wake turbulence tests that were conducted by Boeing in 1970.

If you have any questions, please contact Rick Howes, [REDACTED] or me.

Very truly yours,

FLIGHT TEST

  
[REDACTED]  
John W. Purvis  
Director, Air Safety Investigation  
Org. B-U01B, M/S 14-HM  
P [REDACTED]  
[REDACTED]

Enclosure: Video 6570 C7, "747-737 Jet Wake from XMP 1284, 1316, 1311,  
1318, dated February 19, 1970

cc: Mr. Thomas Haueter, AS-10