

Middle Tennessee State University
November 9, 2016
Robert Sumwalt

A photograph showing the aftermath of a fire. The foreground is filled with charred debris, including twisted metal and a yellow surveying instrument on a tripod. In the background, several people are visible, some standing near a white building and others near a dark, charred structure. The scene is surrounded by bare trees, suggesting a late autumn or winter setting. A yellow caution tape is strung across the area.

**Lessons from the ashes:
Ten years of working with NTSB**

August 21, 2006



NTSB

The Board



Earl Weener



Bella Dinh-Zarr
Vice Chairman



Chris Hart
Chairman



Robert Sumwalt





Breaking News: A plane has crashed.



NTSB

NTSB Response Operations Center



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LAUNCH IN
PROGRESS



Determining the
level of response

Anatomy of an accident investigation

NOTIFICATION + 2 HOURS



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The Launch



Arrival on Scene



Boots on the Ground

Go-teams have specialists in:

- Powerplants
- Structures
- Systems
- Operations
- Human performance
- Survival factors
- Airworthiness
- ATC
- Transportation Disaster Assistance

- Meteorology
- Recorders





NTSB

Anatomy of an accident investigation

MONTH 3 - 6



NTSB

Investigative Hearing



Anatomy of an accident investigation

MONTH 12



NTSB

Board Meeting



Crash During Nonprecision Instrument
Approach to Landing
Execufight Flight 1526
British Aerospace HS 125-700A, N237WR
Akron, Ohio
November 10, 2015



Accident Report

NTSB/AAR-16/03
PB2016-104168



National
Transportation
Safety Board



NTSB

www.nts.gov



NATIONAL TRANSPORTATION SAFETY BOARD

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NTSB News

NTSB Issues Investigative Update on Uncontained Engine Failure Accident Involving a Wide Body Jetliner at Chicago O'Hare Airport

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NTSB

An Independent
United States Federal
Government Agency

NTSB Response Operations Center

To **report an incident/accident** or if you are a **public safety agency**, please call 1-844-373-9922 or 202-314-6290 to speak to a Watch Officer at the NTSB Response Operations Center (ROC) in Washington, DC (24/7).

Other Ways to Contact NTSB

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DUNTY PEDESTRIAN STRUCK IN HIT & RUN IN MARLOW HEIGHTS HO 7:17 | 51°



Airport Overview with Disk Fragment Locations



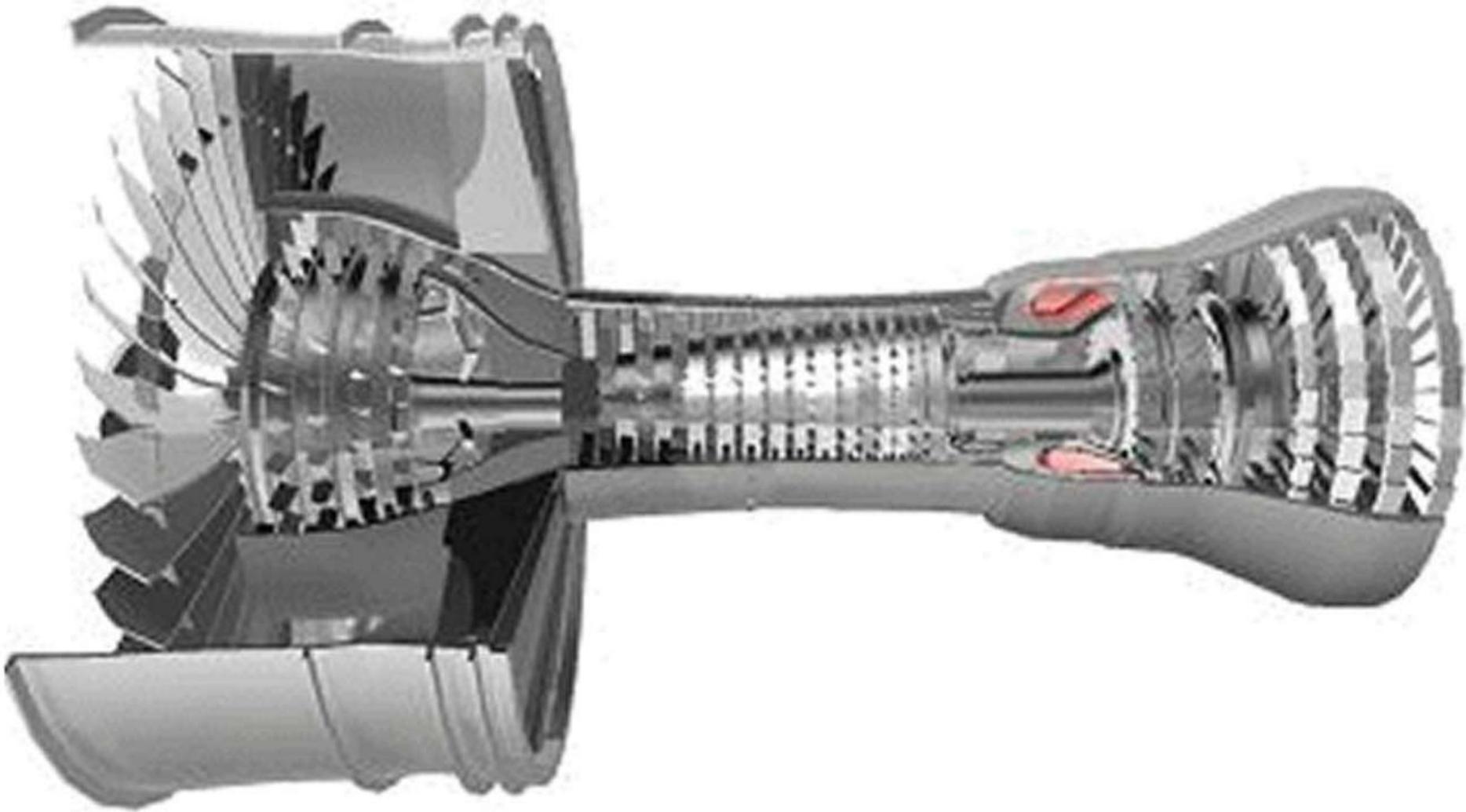


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CF6-80C2







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Example turbine





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The one take-away

Insist on
**PROFESSIONAL DISCIPLINE
AND INTEGRITY**
in your operation.



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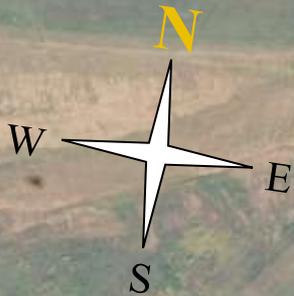
August 27, 2006



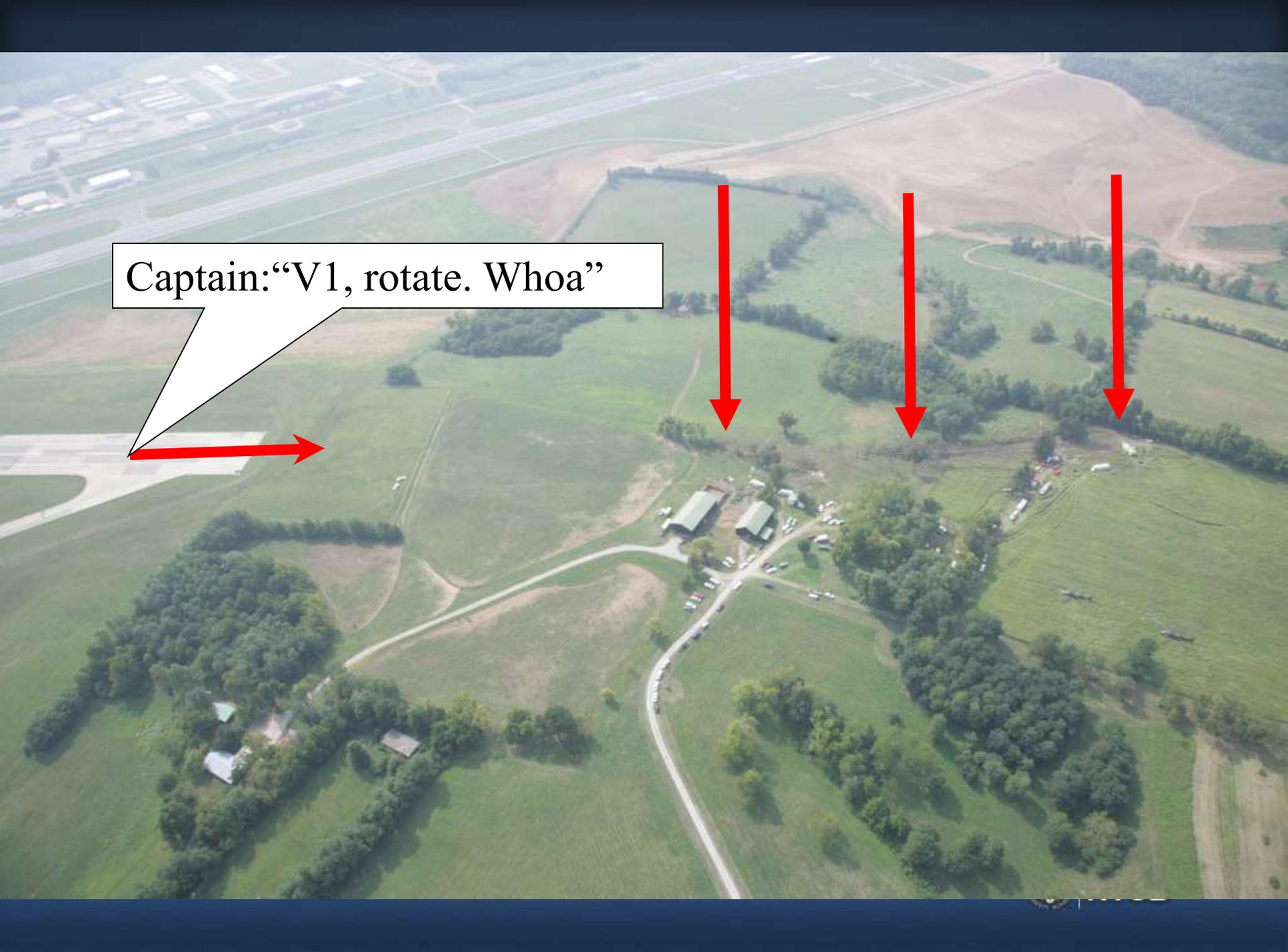
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ATC: "...fly runway heading. Cleared for takeoff."



Captain: "V1, rotate. Whoa"





Right main gear

Left main gear

Nose gear



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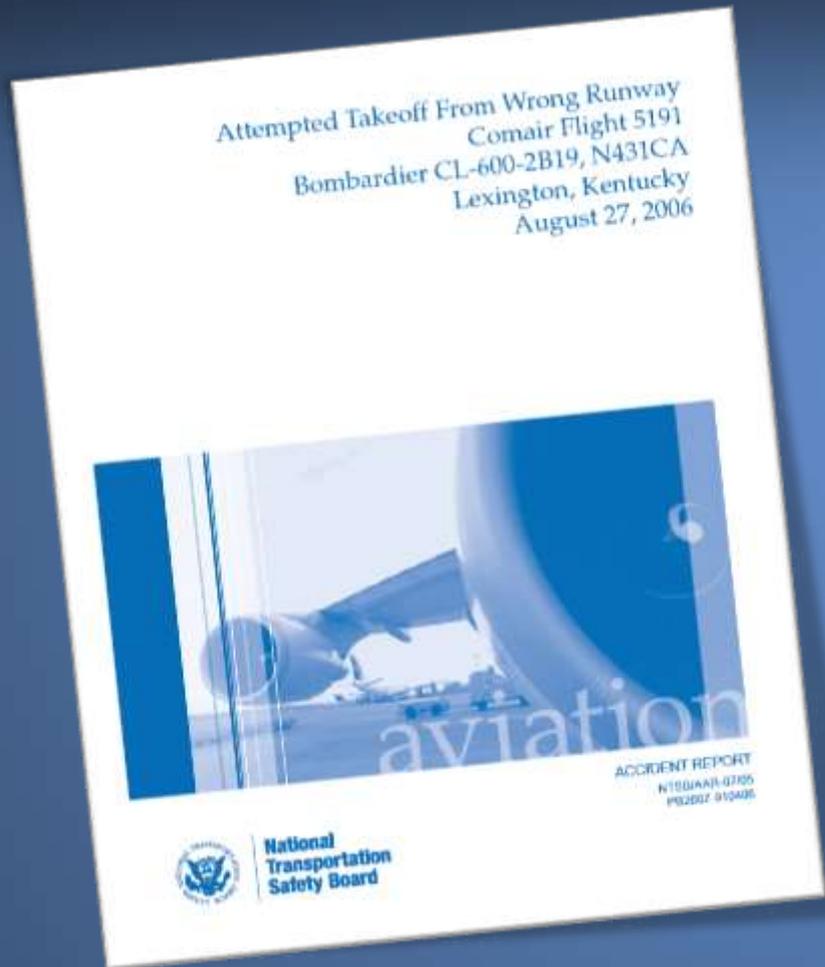


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NTSB Finding



“The flight crew’s noncompliance with standard operating procedures... and both pilots’ nonpertinent conversation, most likely created an atmosphere in the cockpit that enabled the crew’s errors.”

The one take-away

Insist on
**PROFESSIONAL DISCIPLINE
AND INTEGRITY**
in your operation.



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National Transportation Safety Board