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## Uncontained engine failure, Boeing 747-200, April 2, 2000

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**Micro-summary:** This Boeing 747-200 experienced an uncontained failure of the #1 engine during takeoff.

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**Event Date:** 2000-04-02 at 0230 EDT

**Investigative Body:** National Transportation Safety Board (NTSB), USA


**Investigative Body's Web Site:** <http://www.nts.gov/>


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### **Cautions:**

1. Accident reports can be and sometimes are revised. Be sure to consult the investigative agency for the latest version before basing anything significant on content (e.g., thesis, research, etc).
  2. Readers are advised that each report is a glimpse of events at specific points in time. While broad themes permeate the causal events leading up to crashes, and we can learn from those, the specific regulatory and technological environments can and do change. ***Your company's flight operations manual is the final authority as to the safe operation of your aircraft!***
  3. Reports may or may not represent reality. Many many non-scientific factors go into an investigation, including the magnitude of the event, the experience of the investigator, the political climate, relationship with the regulatory authority, technological and recovery capabilities, etc. It is recommended that the reader review all reports analytically. Even a "bad" report can be a very useful launching point for learning.
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 <p>National Transportation Safety Board <b>FACTUAL REPORT</b> AVIATION</p>		NTSB ID: DCA00RA036			
		Occurrence Date: 04/02/2000			
		Occurrence Type: Accident			
<b>Landing Facility/Approach Information</b>					
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type:					
Runway Surface Condition:					
Type Instrument Approach:					
VFR Approach/Landing:					
<b>Aircraft Information</b>					
Aircraft Manufacturer Boeing		Model/Series 747-200F		Serial Number	
Airworthiness Certificate(s):					
Landing Gear Type:					
Homebuilt Aircraft? No	Number of Seats:	Certified Max Gross Wt.	LBS	Number of Engines:	
Engine Type: Turbo Fan	Engine Manufacturer:	Model/Series:	Rated Power:		
- Aircraft Inspection Information					
Type of Last Inspection Unknown	Date of Last Inspection	Time Since Last Inspection Hours	Airframe Total Time Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed?	ELT Operated?	ELT Aided in Locating Accident Site?			
<b>Owner/Operator Information</b>					
Registered Aircraft Owner		Street Address			
		City	State	Zip Code	
Operator of Aircraft ATLAS AIR INC		Street Address			
		City	State	Zip Code	
Operator Does Business As:			Operator Designator Code: UIEA		
- Type of U.S. Certificate(s) Held:					
Air Carrier Operating Certificate(s): Flag Carrier/Domestic					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 121: Air Carrier					
Type of Flight Operation Conducted: Non-scheduled; International; Cargo					

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: DCA00RA036	
	Occurrence Date: 04/02/2000	
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**First Pilot Information**

Name	City	State	Date of Birth	Age
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Sex: U	Seat Occupied: Unknown	Principal Profession: Unknown	Certificate Number:
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Certificate(s):

Airplane Rating(s):

Rotorcraft/Glider/LTA:

Instrument Rating(s):

Instructor Rating(s):

Type Rating/Endorsement for Accident/Incident Aircraft?	Current Biennial Flight Review?
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Medical Cert.: Unknown	Medical Cert. Status: Unknown	Date of Last Medical Exam:
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time										
Pilot In Command(PIC)										
Instructor										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

Seatbelt Used?	Shoulder Harness Used?	Toxicology Performed?	Second Pilot?
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**Flight Plan/Itinerary**

Type of Flight Plan Filed: Unknown

Departure Point	State	Airport Identifier	Departure Time	Time Zone
Same as Accident/Incident Location			0000	

Destination	State	Airport Identifier	
MIAMI	FL		


Type of Clearance:

Type of Airspace:

**Weather Information**

Source of Briefing:

Method of Briefing:

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: DCA00RA036
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**Weather Information**

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
0000			0 Ft. MSL	0 NM	0 Deg. Mag.

Sky/Lowest Cloud Condition: Unknown Ft. AGL Condition of Light: Not Reported

Lowest Ceiling: Unknown Ft. AGL Visibility: 0 SM Altimeter: "Hg

Temperature: °C Dew Point: °C Wind Direction: Density Altitude: Ft.

Wind Speed: Gusts: Weather Conditions at Accident Site:

Visibility (RVR): 0 Ft. Visibility (RVV) 0 SM Intensity of Precipitation:

Restrictions to Visibility:

Type of Precipitation:

**Accident Information**

Aircraft Damage: Substantial Aircraft Fire: Aircraft Explosion

Classification: U.S. Registered/Foreign Soil

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot				1	1
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer				1	1
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				3	3
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	3	3

National Transportation Safety Board

**FACTUAL REPORT**

**AVIATION**



NTSB ID: DCA00RA036

Occurrence Date: 04/02/2000

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

FRANK HILLDRUP

Additional Persons Participating in This Accident/Incident Investigation: