



National Transportation Safety Board Aviation Accident Data Summary

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| Location: | NASHVILLE, TN | Accident Number: | ATL89MA023 |
| Date & Time: | 11/01/1988, 1930 CST | Registration: | N3822Y |
| Aircraft: | CESSNA 210D | Injuries: | 1 Fatal |
| Flight Conducted Under: | Part 91: General Aviation - | | |

Analysis

DRG WEST ARR AT NGT, PLT WAS VCTRD FOR A VFR, STRAIGHT-IN APCH TO RWY 2R & ADZD OF BOEING 727 OFF HIS RGT FRONT, PASSINGFM RGT TO LEFT. HE WAS CAUTIONED ABT WAKE TURBC (W/T) & REPLIED, 'OKAY I SEE HIM.' CTLR THEN TOLD PLT TO TURN INBND & MAINT 'VISUAL' WITH THE 727. PLT ACKNOWLEDGED, THEN WAS CLRD TO TWR FREQ. AT 1928:04, HE WAS CLRD TO LND ON RWY 2R, BUT WASN'T GIVEN WND INFO (NOR DID HE RPRT RCVG ATIS INFO). WND WAS FM 250 DEG AT 5 KTS, WHICH WOULD HAVE DRIFTED W/T FM RWY2L TWD RWY 2R. AT 1928:39, PLT RPRTD W/T ENCTR, BUT HE CONTD INBND. ABT 39 SEC LTR, RADAR CTC WAS LOST & N3822Y CRASHED IN STEEP DSCNT ABT 1 MI FM RWY 2L. TWR PSNL DIDN'T SEE OR REALIZE IT HAD CRASHED. RADAR DATA SHOWED 727 MADE STRAIGHT DSCNT TO RWY 2L; N3822Y APCHD ABT 2 MI BHND THE 727 & BLO ITS APCH PATH. AT ABT 1100' AGL, AS IT CONVERGED APRX 200' BLOTHE 727'S APCH PATH, AN ABRUPT ALT DEV (DSCNT) OCCURRED. DSCNT WAS ARRESTED, BUT N3822Y CONTD INBND & CONVERGED AGAIN TOABT 200' BLO 727 FLT PATH (300' AGL), THEN RADAR CTC LOST. RWY CTRLNS, 1650' APART; 2L STAGGERED 1800' BYD 2R THRESHOLD.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: VORTEX TURBULENCE ENCOUNTERED
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (F) WEATHER CONDITION - TAILWIND
2. (F) WEATHER CONDITION - CROSSWIND
3. WEATHER OBSERVATION - NOT ISSUED - ATC PERSONNEL(LCL/GND/CLNC)
4. UPDATING OF RECORDED WEATHER INFORMATION - NOT OBTAINED - PILOT IN COMMAND
5. (C) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
6. (C) VISUAL SEPARATION - INADEQUATE - PILOT IN COMMAND
7. (C) WAKE TURBULENCE - ENCOUNTERED - PILOT IN COMMAND

Occurrence #2: ALTITUDE DEVIATION, UNCONTROLLED
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

8. SEARCH - DELAYED - ATC PERSONNEL(LCL/GND/CLNC)

Pilot Information

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|----------------------------------|---|------------------------------|----------|
| Certificate: | Commercial | Age: | 66 |
| Airplane Rating(s): | Single-engine Land; Single-engine Sea | Instrument Rating(s): | Airplane |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| Flight Time: | 1274 hours (Total, all aircraft), 56 hours (Total, this make and model), 1078 hours (Pilot In Command, all aircraft), 15 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---------------------------------------|-----------------------------|-----------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N3822Y |
| Model/Series: | 210D 210D | Engines: | 1 Reciprocating |
| Operator: | ROBERT HAMPSON | Engine Manufacturer: | CONTINENTAL |
| Operating Certificate(s) Held: | None | Engine Model/Series: | IO-520 |
| Flight Conducted Under: | Part 91: General Aviation - | | |

Meteorological Information and Flight Plan

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|---|---------------------|-------------------------------------|------------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Night/Dark |
| Observation Facility, Elevation: | BNA, 0 ft msl | Weather Information Source: | Weather Observation Facility |
| Lowest Ceiling: | None / 0 ft agl | Wind Speed/Gusts, Direction: | 5 knots / , 250° |
| Temperature: | 16 °C | Visibility | 15 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | NASHVILLE, TN (JWN) | Destination: | (BNA) |

Airport Information

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|-----------------------------|-----------------------|----------------------------------|---------|
| Airport: | NASHVILLE METRO (BNA) | Runway Surface Type: | Asphalt |
| Runway Used: | 2R | Runway Surface Condition: | Dry |
| Runway Length/Width: | 5186 ft / 200 ft | | |

Wreckage and Impact Information

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|-----------------------------|---------|----------------------------|-----------|
| Crew Injuries: | 1 Fatal | Aircraft Damage: | Destroyed |
| Passenger Injuries: | N/A | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Latitude, Longitude: | | | |

Administrative Information

Investigator In Charge (IIC): PHILLIP POWELL

Adopted Date: 07/19/1989

Investigation Docket: NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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