



National Transportation Safety Board Aviation Incident Factual Report

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| Location: | KNOXVILLE, TN | Incident Number: | ATL911A014 |
| Date & Time: | 11/02/1990, 2125 EST | Registration: | N412UT |
| Aircraft: | BELL 412 | Aircraft Damage: | Minor |
| Defining Event: | | Injuries: | 4 None |
| Flight Conducted Under: | Part 135: Air Taxi & Commuter - Non-scheduled | | |

Pilot Information

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| Certificate: | Airline Transport | Age: | 39, Male |
| Airplane Rating(s): | Multi-engine Land; Single-engine Land | Seat Occupied: | Right |
| Other Aircraft Rating(s): | Helicopter | Restraint Used: | Seatbelt, Shoulder harness |
| Instrument Rating(s): | Airplane; Helicopter | Second Pilot Present: | No |
| Instructor Rating(s): | | Toxicology Performed: | Yes |
| Medical Certification: | Class 2 Valid Medical--no waivers/lim. | Last FAA Medical Exam: | 11/27/1989 |
| Occupational Pilot: | | Last Flight Review or Equivalent: | |
| Flight Time: | 6278 hours (Total, all aircraft), 556 hours (Total, this make and model), 4812 hours (Pilot In Command, all aircraft), 60 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft) | | |

Aircraft and Owner/Operator Information

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| Aircraft Make: | BELL | Registration: | N412UT |
| Model/Series: | 412 412 | Aircraft Category: | Helicopter |
| Year of Manufacture: | | Amateur Built: | No |
| Airworthiness Certificate: | | Serial Number: | 33025 |
| Landing Gear Type: | Skid | Seats: | 5 |
| Date/Type of Last Inspection: | Unknown | Certified Max Gross Wt.: | 11900 lbs |
| Time Since Last Inspection: | 0 Hours | Engines: | 2 Turbo Shaft |
| Airframe Total Time: | | Engine Manufacturer: | P&W |
| ELT: | Installed, not activated | Engine Model/Series: | PT6T-3B |
| Registered Owner: | UNIVERSITY OF TENNESSEE | Rated Power: | 1800 hp |
| Operator: | UNIVERSITY OF TENNESSEE | Operating Certificate(s) Held: | On-demand Air Taxi (135) |
| Operator Does Business As: | U.T. LIFESTAR | Operator Designator Code: | |

Meteorological Information and Flight Plan

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| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Night/Dark |
| Observation Facility, Elevation: | TYS, 981 ft msl | Distance from Accident Site: | 0 Nautical Miles |
| Observation Time: | 2100 EST | Direction from Accident Site: | 0° |
| Lowest Cloud Condition: | Clear / 0 ft agl | Visibility | 10 Miles |
| Lowest Ceiling: | None / 0 ft agl | Visibility (RVR): | 0 ft |
| Wind Speed/Gusts: | Calm / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | | Temperature/Dew Point: | -18°C / -18°C |
| Precipitation and Obscuration: | | | |
| Departure Point: | | Type of Flight Plan Filed: | None |
| Destination: | | Type of Clearance: | None |
| Departure Time: | 2125 EST | Type of Airspace: | |

Wreckage and Impact Information

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|---------------------|--------|----------------------|-------|
| Crew Injuries: | 3 None | Aircraft Damage: | Minor |
| Passenger Injuries: | 1 None | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Total Injuries: | 4 None | Latitude, Longitude: | |

Administrative Information

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| Investigator In Charge (IIC): | RALPH E HICKS |
| Additional Participating Persons: | JAMES PERKINS; NASHVILLE, TN |
| 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/ . |