



**NTSB** National Transportation Safety Board

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*Office of Aviation Safety*

# **In-flight Fire and Crash**

Investigator-in-Charge  
Presentation



# History of Flight



N501N



Accident Scene



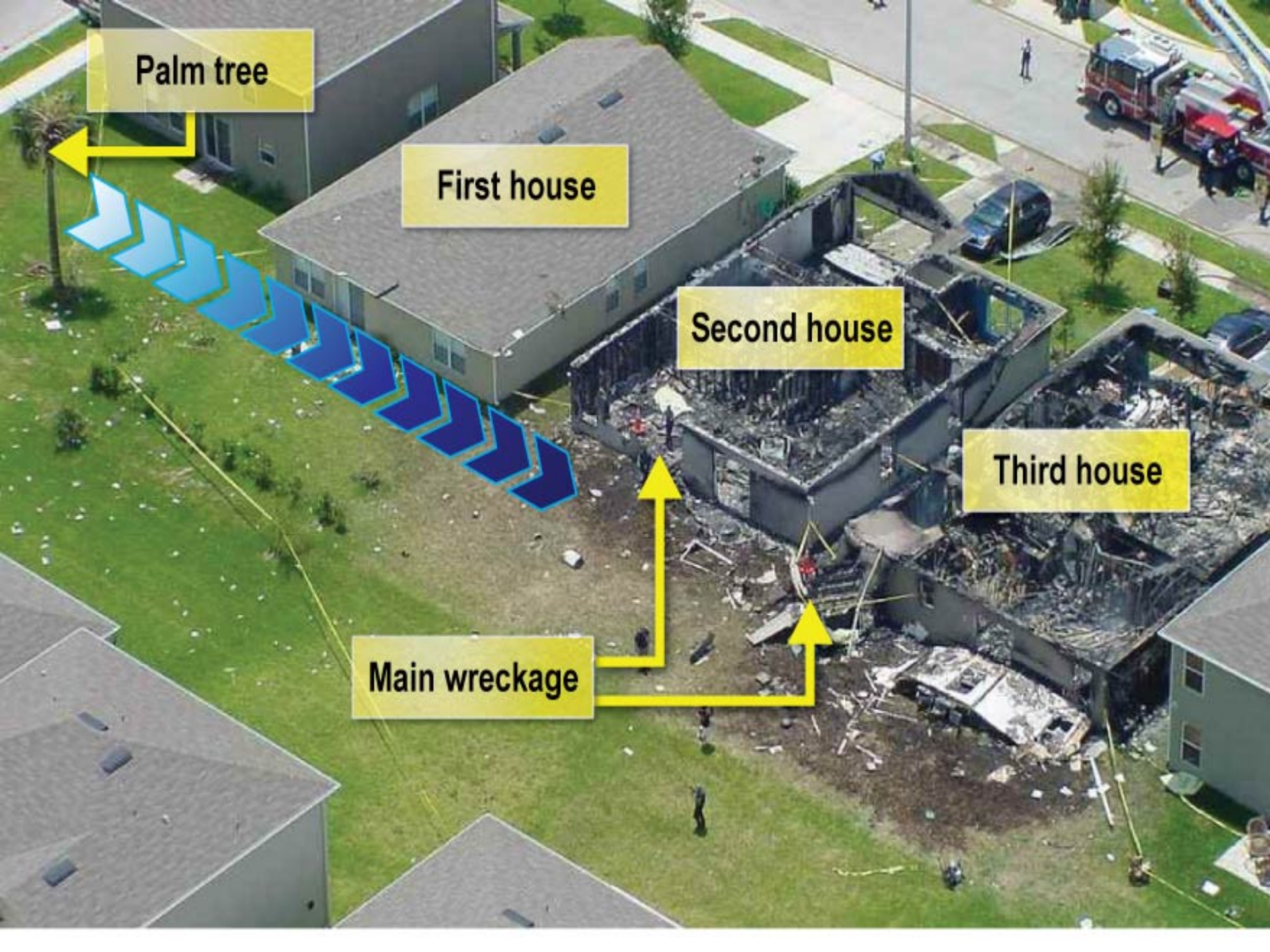
# History of Flight

- Commercial pilot and ATP on personal flight
- Relatively short flight in good weather
- Pilots declared an emergency
  - “smoke in the cockpit”
  - Diverted to Sanford

# History of Flight

- Last radio contact
  - Less than 1 minute later
  - Terminated midsentence
  - “shut off all radios, elec[trical]”
- Consistent with checklist guidance
- Last radar return about 3 miles from Sanford descending through 1,200 feet
- Airplane observed at low altitude, high speed, steep bank





**Palm tree**

**First house**

**Second house**

**Third house**

**Main wreckage**



# Wreckage and Impact Information

- No evidence of preimpact structural failure
- Thermal damage and soot patterns observed
  - Deck skin
  - Glare shield
  - Cabin door







# Safety Issues

- Safety Management Systems
- Resetting circuit breakers
- Inspection and maintenance of general aviation aircraft electrical systems



# Parties to the Investigation

- Federal Aviation Administration
- National Association for Stock Car Auto Racing (NASCAR)
- Cessna Aircraft Company
- Teledyne Continental Motors, Inc.





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