



# Aviation Investigation Final Report

|                                |                                      |                         |             |
|--------------------------------|--------------------------------------|-------------------------|-------------|
| <b>Location:</b>               | Punta Gorda, Florida                 | <b>Accident Number:</b> | GAA17CA136  |
| <b>Date &amp; Time:</b>        | February 11, 2017, 17:40 Local       | <b>Registration:</b>    | N289MN      |
| <b>Aircraft:</b>               | NIELSEN MARTIN M CHALLENGER II       | <b>Aircraft Damage:</b> | Substantial |
| <b>Defining Event:</b>         | Loss of control in flight            | <b>Injuries:</b>        | 1 Minor     |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |             |

## Analysis

The pilot reported that, during the landing flare, while on his second landing attempt, the airplane began to sink rapidly, and the right wing dropped. He applied right rudder and power in an attempt to maintain directional control but was unsuccessful. The airplane settled in the bushes to the left of the runway.

The airplane sustained substantial damage to the right wing.

The pilot reported no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

## Probable Cause and Findings

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

The pilot's failure to maintain directional control during landing.

## Findings

|                             |   |
|-----------------------------|---|
| <b>Aircraft</b>             | Directional control - Not attained/maintained |
| <b>Personnel issues</b>     | Aircraft control - Pilot                      |
| <b>Environmental issues</b> | Tree(s) - Contributed to outcome              |

## Factual Information

### History of Flight

|                |  |
|----------------|--|
| <b>Landing</b> | Loss of control in flight (Defining event) |
| <b>Landing</b> | Attempted remediation/recovery             |
| <b>Landing</b> | Collision with terr/obj (non-CFIT)         |

### Pilot Information

|                                  |   |  |                   |
|----------------------------------|---|--|-------------------|
| <b>Certificate:</b>              | Airline transport   | <b>Age:</b>                              | 65, Male          |
| <b>Airplane Rating(s):</b>       | Single-engine land; Multi-engine land   | <b>Seat Occupied:</b>                    | Front             |
| <b>Other Aircraft Rating(s):</b> | None  | <b>Restraint Used:</b>                   | 4-point           |
| <b>Instrument Rating(s):</b>     | Airplane  | <b>Second Pilot Present:</b>             | No                |
| <b>Instructor Rating(s):</b>     | None  | <b>Toxicology Performed:</b>             | No                |
| <b>Medical Certification:</b>    | Class 2 With waivers/limitations  | <b>Last FAA Medical Exam:</b>            | December 16, 2015 |
| <b>Occupational Pilot:</b>       | Yes   | <b>Last Flight Review or Equivalent:</b> | March 7, 2016     |
| <b>Flight Time:</b>              | (Estimated) 24687 hours (Total, all aircraft), 23 hours (Total, this make and model), 13000 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft) |  |                   |

## Aircraft and Owner/Operator Information

|                                      |                               |                                       |                 |
|--------------------------------------|-------------------------------|---------------------------------------|-----------------|
| <b>Aircraft Make:</b>                | NIELSEN MARTIN M              | <b>Registration:</b>                  | N289MN          |
| <b>Model/Series:</b>                 | CHALLENGER II                 | <b>Aircraft Category:</b>             | Airplane        |
| <b>Year of Manufacture:</b>          | 2015                          | <b>Amateur Built:</b>                 | Yes             |
| <b>Airworthiness Certificate:</b>    | Restricted (Special)          | <b>Serial Number:</b>                 | 2089            |
| <b>Landing Gear Type:</b>            | Tricycle                      | <b>Seats:</b>                         | 2               |
| <b>Date/Type of Last Inspection:</b> | November 6, 2016 Annual       | <b>Certified Max Gross Wt.:</b>       | 960 lbs         |
| <b>Time Since Last Inspection:</b>   |                               | <b>Engines:</b>                       | 1 Reciprocating |
| <b>Airframe Total Time:</b>          | 22.3 Hrs at time of accident  | <b>Engine Manufacturer:</b>           | Rotax           |
| <b>ELT:</b>                          | C126 installed, not activated | <b>Engine Model/Series:</b>           | 503 DCDI        |
| <b>Registered Owner:</b>             |                               | <b>Rated Power:</b>                   | 53 Horsepower   |
| <b>Operator:</b>                     | On file                       | <b>Operating Certificate(s) Held:</b> | None            |

## Meteorological Information and Flight Plan

|   |                        |   |                   |
|---|------------------------|---|-------------------|
| <b>Conditions at Accident Site:</b>     | Visual (VMC)           | <b>Condition of Light:</b>                  | Day               |
| <b>Observation Facility, Elevation:</b> | VILK,410 ft msl        | <b>Distance from Accident Site:</b>         | 40 Nautical Miles |
| <b>Observation Time:</b>                | 12:00 Local            | <b>Direction from Accident Site:</b>        | 289°              |
| <b>Lowest Cloud Condition:</b>          | Unknown                | <b>Visibility</b>                           |                   |
| <b>Lowest Ceiling:</b>                  |                        | <b>Visibility (RVR):</b>                    |                   |
| <b>Wind Speed/Gusts:</b>                | 2 knots /              | <b>Turbulence Type Forecast/Actual:</b>     | / None            |
| <b>Wind Direction:</b>                  |                        | <b>Turbulence Severity Forecast/Actual:</b> | / N/A             |
| <b>Altimeter Setting:</b>               |                        | <b>Temperature/Dew Point:</b>               | 22°C / 7°C        |
| <b>Precipitation and Obscuration:</b>   | Moderate - None - Haze |   |                   |
| <b>Departure Point:</b>                 | Punta Gorda, FL (PGD ) | <b>Type of Flight Plan Filed:</b>           | None              |
| <b>Destination:</b>                     | Punta Gorda, FL (PGD ) | <b>Type of Clearance:</b>                   | None              |
| <b>Departure Time:</b>                  | 16:00 Local            | <b>Type of Airspace:</b>                    | Class D           |

## Airport Information

|                             |                  |                                  |                           |
|-----------------------------|------------------|----------------------------------|---------------------------|
| <b>Airport:</b>             | PUNTA GORDA PGD  | <b>Runway Surface Type:</b>      | Asphalt                   |
| <b>Airport Elevation:</b>   | 25 ft msl        | <b>Runway Surface Condition:</b> | Dry                       |
| <b>Runway Used:</b>         | 22               | <b>IFR Approach:</b>             | None                      |
| <b>Runway Length/Width:</b> | 7193 ft / 150 ft | <b>VFR Approach/Landing:</b>     | Go around;Traffic pattern |

## Wreckage and Impact Information

|                            |         |                             |                           |
|----------------------------|---------|-----------------------------|---------------------------|
| <b>Crew Injuries:</b>      | 1 Minor | <b>Aircraft Damage:</b>     | Substantial               |
| <b>Passenger Injuries:</b> |         | <b>Aircraft Fire:</b>       | None                      |
| <b>Ground Injuries:</b>    | N/A     | <b>Aircraft Explosion:</b>  | None                      |
| <b>Total Injuries:</b>     | 1 Minor | <b>Latitude, Longitude:</b> | 26.912776,-81.991943(est) |

## Administrative Information

|  |   |
|--|---|
| <b>Investigator In Charge (IIC):</b>     | Vanover, Jackie   |
| <b>Additional Participating Persons:</b> | Rulon Vilcan; FAA; Tampa, FL  |
| <b>Original Publish Date:</b>            | July 20, 2017   |
| <b>Note:</b>                             | This accident report documents the factual circumstances of this accident as described to the NTSB.   |
| <b>Investigation Docket:</b>             | <a href="https://data.nts.gov/Docket?ProjectID=94709">https://data.nts.gov/Docket?ProjectID=94709</a> |

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