



N357WP Preliminary Accident Report

2nd March 2023

Location	Accident number
North Eleuthera Airport (MYEH), Eleuthera, Bahamas	OCC-2023/0006
Occurrence Date & Time	Registration
5 th February 2023 8:55 am EST (1355 UTC)	N357WP
Aircraft	Injuries
Flight Conducted Under	Nil
Instrument Flight Rules	

Narrative:

On the 5th February 2023, the Aircraft Accident Investigation Authority (AAIA) was notified of an occurrence that took place at approximately 8:55 am EST (1355 UTC) at the North Eleuthera Airport (MYEH), Eleuthera, Bahamas involving a Learjet 60 aircraft with United States registration N357WP.

The Part 135 operated flight departed the Vero Beach Regional Airport (KVRB), Vero Beach, FL, USA with two (2) persons on board. According to the pilots, the flight was uneventful up until the approach for landing into MYEH.

The pilots advised that during descent and while on short final to runway 07, they observed a sudden loss of airspeed to which the pilot flying (First Officer) responded by increasing power to both engines. When it was observed that the increase in power setting was not sufficient, the pilot monitoring (Captain) took positive control of the aircraft and further increased the power setting.

However, the increase in power did not sufficiently counteract the loss of airspeed and the subsequent rate of descent, which led to the aircraft having a forceful impact with the runway upon touchdown, becoming airborne and then forcefully impacting the runway for a second time.

In the aftermath of the occurrence, damage was observed to the left main landing gear axle, left landing gear aft trunnion support, left wing trailing edge adjacent to aft trunnion support (spars #5, #8 and #9), left and right ventral fins.

The pilots advised that the loss of airspeed encountered during final approach may have been attributed to a wind shear type event as they observed gusty conditions.



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The following weather was forecasted for the period during this occurrence:

Bahmet 35/B

BAHAMAS METEOROLOGICAL DEPARTMENT
BAHAMAS AREA FORECAST

VALID FOR 12 HOURS FROM 1200UTC SUNDAY 05TH FEBRUARY 2023

SPECIAL FEATURES: QUASI-STNRY FRNT INVOF NW/CNTRL BAH
SPRTNG MOD/HVY CNVCTN ACRS THOSE AREAS WHL TRNSTNG TO
WRM FRNT THRU FCST PRD.

SIGNIFICANT WEATHER: NW/CNTRL BAH: FEW/SCT
015/025 CB/TCU...SCT/BKN 030/050 TOPS TO FL070 MERG
WI HIR LVR ABV FL120...TCU/CB TOPS TO FL180/400...LOC
IFR/MVFR CONDS IN WDLY SCT SHRA/ISOL
TSRA...MOD/SEV TURB INVOF ALL CB/TCU/FRTNL BNDRY

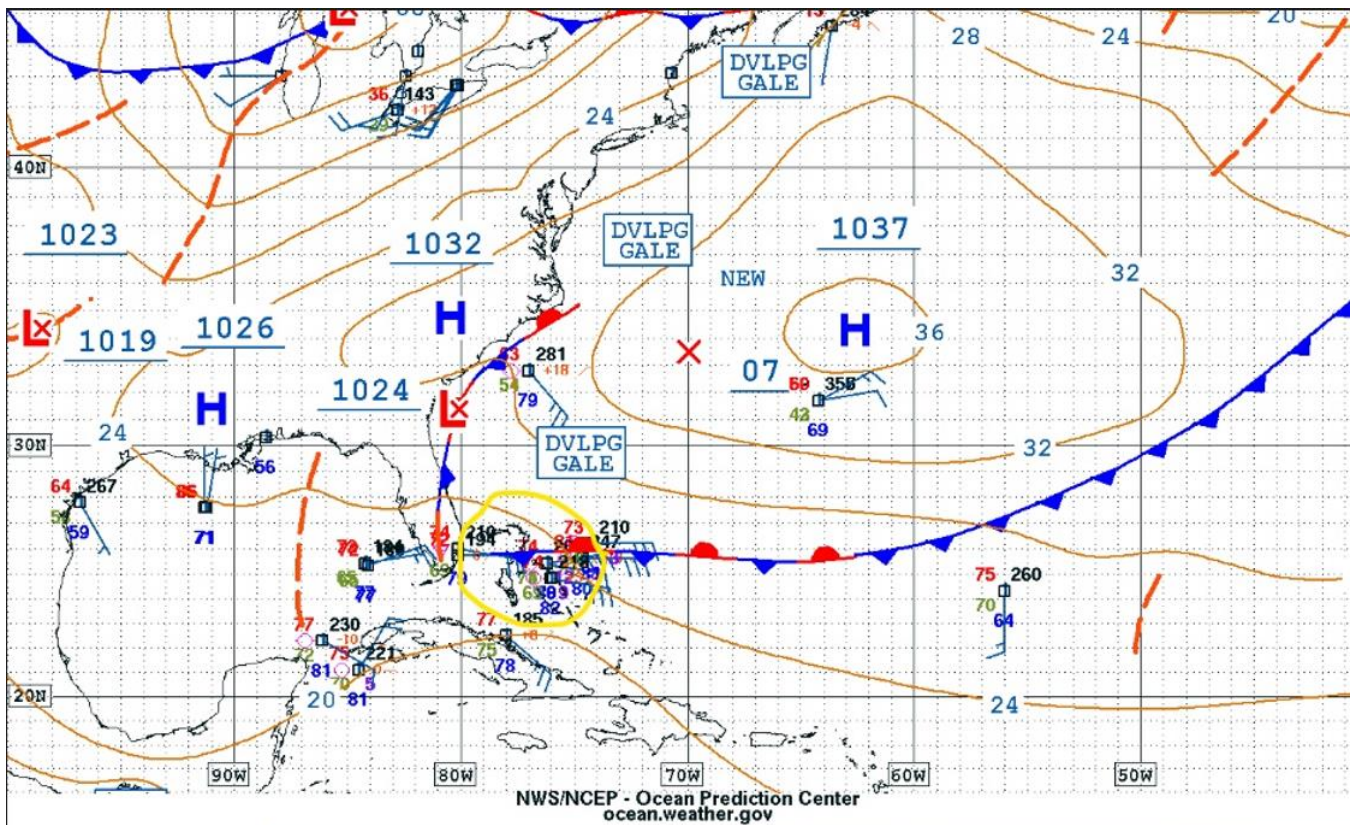
The above Area Forecast highlighted area, identifies moderate/heavy convection across the Northwest and Central Bahamas (which includes the island of Eleuthera, Bahamas) due to the presence of a quasi-stationary front beginning from the period 1200 UTC (7:00 am EST).

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ATLANTIC SURFACE ANALYSIS
ISSUED: 14:38 UTC 05 FEB 2023
VALID: 12:00 UTC 05 FEB 2023
FCSTR: NOLT
SOURCES: OPC NHC WPC

FORECAST TRACKS ARE FOR VALID TIME + 24 HOURS.
WARNING LABELS ARE FOR HIGHEST CONDITIONS FROM
VALID TIME THROUGH 24 HOURS.



The yellow highlighted circle on the Surface Analysis chart above, indicates the area within the Northwest and Central Bahamas where a quasi-stationary front was present during the period that this occurrence took place.



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This is preliminary information, subject to change, and may contain errors. Any errors in this report will be corrected when the final report has been completed.

The sole objective of the investigation of an accident or incident is the prevention of future accidents and incidents. It is not the purpose of such an investigation to apportion blame or liability.

Aircraft and Owner / Operator Information:

Aircraft Manufacturer Learjet	Registration N357WP
Model / Series 60	Aircraft Category Transport
Amateur Built Operator Not Applicable	Type Aircraft Fixed-wing Multi-engine
Manufacture Year 2006	Engine 2 Turbo-fan

Meteorological Information and Flight Plan:

Conditions at Accident site Visual Meteorological Conditions	Condition of Light Day
Observation facility Elevation 7 feet	Observation Time 1300
Distance from Site 57 NM	Temp /Dewpoint 23°C/21°C
Lowest Cloud Condition FEW 021	Wind Direction / Speed 120/10



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Lowest Ceiling

BKN 040

Visibility

>6 SM

Altimeter Setting

30.19 in. HG

Type of flight Plan**Filed**

Instrument Flight Rules

Departure Point

Vero Beach Regional
Airport (KVRB), Vero
Beach, FL, USA

Destination

North Eleuthera Airport
(MYEH), Eleuthera,
Bahamas

Wreckage and Impact Information:

Crew Injuries

Nil

Aircraft Damage

left main landing gear
axle, left landing gear aft
trunnion support, left
wing trailing edge
adjacent to aft trunnion
support (spars #5, #8 and
#9), left and right ventral
fins

Passenger Injuries

Not Applicable

Aircraft Fire

Not Applicable

Ground Injuries

Nil

Aircraft Explosion

Not Applicable

Total Injuries

Nil

Latitude, Longitude



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Administrative Information:

Investigator in Charge

Saint-Tino Morley

Additional Information

Release Date

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