



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

June 10, 2021

EXAMINATION SUMMARY

ERA20LA162

A. ACCIDENT

Location: Fort Lauderdale, Florida (FXE)
Date: April 24, 2020
Time: 1520 EDT
Airplane: Israel Aircraft Industries 1125 Astra SP, YV3427

B. INVESTIGATION PARTICIPANTS

Albert Nixon
National Transportation Safety Board
Western Pacific Region (WPR)
Phoenix, Arizona

Allie Engel
Honeywell Aerospace
Phoenix, Arizona

C. SUMMARY

On April 24, 2020, about 1518 eastern daylight time, an Israel Aircraft Industries 1125 Astra SP, Venezuelan registration YV3427, was substantially damaged during a runway excursion at Fort

Lauderdale, Florida. The airline transport pilot, commercial copilot, and one passenger were not injured. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

Digital Electronic Engine Controls Download

The airplane was equipped with two Digital Electronic Engine Controls (DEECs), one for each engine. The DEECs were removed from the airplane and sent to Honeywell Aerospace, Tucson, Arizona, for download of the data. Oversight of the download was performed by an NTSB Air Safety Investigator.

The download of the incident recorder data and fault history from both N1 DEECs was completed successfully using a functional test bench. The recorders contained data from the entire accident sequence as well as previous flights. The recorders were undamaged. A review of the data revealed that both engines were rotating, operating, and responding to power lever inputs throughout the takeoff and accident sequence. No evidence of a loss of thrust during the takeoff roll was observed.

Both DEECs recorded faults consistent with secondary aircraft damage due to the runway overrun.