



National Transportation Safety Board

Memorandum

Date: August 14, 2017

To: Alex Lemishko, IIC CEN15FA388

From: Charles Olvis; Senior ATC Investigator

Subject: ATC Review of Radar Data

NTSB ATC Investigators obtained radar data from the Federal Aviation Administration Quad City Terminal Radar Approach Control (MLI TRACON) facility. The radar data was derived from the ASR-11 radar sensor located at Moline, Illinois; was of good quality and useable. There are 11 identified targets that can be associated to the assigned beacon code of the accident aircraft; the aircraft had been assigned a transponder beacon code of 6253. There are 5 primary targets that are consistent with the accident aircraft; however, there is no beacon code associated with these targets to positively associate with the accident aircraft.

The radar data begins at 1414:54 UTC at a Mode C reported altitude of 1500' after the aircraft had departed Kewanee Municipal airport. The targets continue northwest in a left turn to the west and south. The accident aircraft climbed to an altitude of 1800' before beginning a descent to 1200'. The primary radar returns consistent with the accident aircraft begin at 1415:37 UTC and continue until the last associated target at 1416:35 UTC and an altitude of 1600'. A possible flight path in between the primary targets suggests that the pilot made 3 left hand turns in close succession before the accident.