

## T-28 Pilot Report

Flight: 671  
Date: 06281995  
Flight Time: 17:58:45 – 19:40  
Pilot: Tom Root  
Controller: Dennis Musil  
Location: Loveland, CO  
Mission: Research flight

Computer Time	Video Time	Comments
17:58:45		Take-off; rain just ended at FNL
18:15:47		10 kft alt; hdng east; 078°/35 nmi relative to GLL VORTAC. Problems contacting Dennis @ CHILL
18:22		Reverse course to right and move south before picking up a westward heading
18:28:23		Heading west; 10 kft alt
18:33		Reverse course
18:36:19		Heading east; 10 kft alt
18:36:40		Down to one radio; comm panel suspect
18:44:08		12 kft alt; turn west while in-cloud
18:44:24		Light rain; can see ground
18:47:36		Radios screwed up
18:49		Reverse course to west
18:54:44		14 kft; no ice
18:57		Reverse course to east
18:59:08		16 kft; no ice; no rain
19:04		Reverse course to west
19:06:04		Heading west; 16 kft alt
19:09:57		Heading west; no radio contact with CHILL; #1 radio out; transponder out; "This is ridiculous!"
19:13:55		18 kft alt.; turn east; 059 nmi DME from GLL
19:15:11		18 kft alt; 56 nmi DME from GLL; descend to 8 kft; RTB
19:21:07		Hdng 270°; 36 nmi DME from GLL; no contact with CHILL
19:34:59		10 nmi DME; reestablished communication with CHILL

### NOTES

#### Weather

Widespread stratiform rain developed in the afternoon, containing a few embedded convective cells

#### Maintenance

#1 comm radio went out during flight.

#### Operations

The goal of the project was to monitor the downward development of precipitation in a stratiform system, investigate polarimetric signatures associated with the bright band, etc. Went as far as 60 DME east from GL, and did passes at 2000 ft altitude increments between 10 kft and 18 kft. Air-ground communications were intermittent at best.