

## T-28 Pilot Report

Flight: 728  
Date: 06101999  
Flight Time: 14:15 – 15:45 MDT  
Pilot: Charlie Summers  
Controller: Andy Detwiler  
Location: Loveland, CO  
Mission: Research flight

| Computer Time | Video Time | Comments   |
|---------------|------------|--|
| 14:18         |            | GXY AWOS reports lighting  |
| 14:19         |            | T-28 telemetry started to be received at CHILL   |
|               |            | Project working the block 15-20 kft  |
| 14:27         |            | Still lining up and climbing   |
| 14:34         |            | Lgt turb outside of cloud  |
| 14:34:58      |            | In-cloud, Pen #1. Heading NW, aiming to left of core   |
| 14:36:33      |            | Out-of-cloud; relatively rough ride initially. Losing power due to carburetor icing. Slowing to go to high blower. |
| 14:39         |            | On high blower   |
|               |            | Extend out to make turn  |
| 14:45         |            | T-28 180° right; will pass on back side (NE) of core   |
|               |            | Steering to E side of core. Reflectivity gradient too steep on W side.   |
| 14:48:09      |            | In-cloud, Pen #2; hdng SE  |
|               |            | Relatively smooth ride   |
| 14:50:20      |            | Ltng   |
|               |            | Updraft/icing/ltng   |
| 14:52:32      |            | Out-of-cloud   |
| 15:00         |            | Look at sending aircraft to W of storm, but reflectivity gradient too tight there                                  |
|               |            | Target a new cell developing S of previous one   |
| 15:07:50      |            | In-cloud, Pen #3; hdng NE  |
| 15:09:50      |            | Ltng 12 o'clock  |
| 15:10:20      |            | Strong updraft; ltng; hail counts  |
| 15:12         |            | Smoothing out  |
| 15:15:40      |            | T-28 out   |
| 15:20         |            | Reversed course and making a pass through the same storm toward SW   |
| 15:21:52      |            | In-cloud, Pen #4   |
| 15:23         |            | Ltng   |
| 15:24         |            | Ltng   |
| 15:26         |            | Convair and Sabreliner, in-trail, encountering turb and rain   |
|               |            | T-28 to RTB at end of pass   |
| 15:29:01      |            | T-28 intercepts a turret on S side of storm. Picks up 1" of ice.   |
| ~15:45        |            | T-28 lands   |
|               |            | Sabreliner and Convair continue mission with runs at higher altitudes. RTB after 16:00.                            |

### NOTES

#### Weather

There are big storms south of Denver. The project is looking at a smaller storm north of CHILL about 55 km. The storm has 55 dBZ reaching 14 kft alt as the project prepared to launch its aircraft.

#### Maintenance

#### Operations

There was a little confusion at ATC about mission, but things got going pretty well after the first couple of passes. Storms remain in area, so prep for a second mission.