

## T-28 Pilot Report

Flight: 729  
Date: 06111999  
Flight Time: 17:15 – 19:01 MDT  
Pilot: Charlie Summers  
Controller: Andy Detwiler  
Location: Loveland, CO  
Mission: Research flight

Computer Time	Video Time	Comments
17:15		Take-off; Convair still refueling
17:25		T-28 orbiting near GILL VORTAC
17:37		Project aircraft are lined up near GILL; ATC wants them to head east for a couple of minutes
17:44		Starting to get lined up and head to W to intercept the SW side of storm.
		40 dBZ to tops of storm
17:52		T-28 turning to 035° to make a run up the W side of an elongated storm
17:53:43		In-cloud, Pen #1
		Lots of ltng
17:55		Out of 1 <sup>st</sup> cell
17:58:20		Right to 050° hdng
18:00:33		Out-of-cloud
18:03		Back in-cloud, still heading NE
18:08		Turning wide to the right to come around to SE side of line.
18:10:28		In-cloud, Pen #2
18:13		Out of 1 <sup>st</sup> cell, heading into 2 <sup>nd</sup>
18:13:45		Back in-cloud
18:14:50		5° right, heading for 2 <sup>nd</sup> cell
18:17		Good updraft; turbulence
18:19		Getting lighter in-cloud
		Convair and Sabreliner, in-trail, report bumpy ride
		Out-of-cloud
18:20		T-28 right to 260° to go along S edge of newer cell
18:22		Ltng
18:25		Out-of-cloud
18:26		Soft hail in clear air
		Charlie asked to climb 2 kft, but can't due to load of ice
18:27		Out-of-cloud again
		Project aircraft go out to west of storm to climb and turn
18:35		Project aircraft lined up for another pass
18:38		T-28 in-cloud; Pen #3; hdng SE
18:43		Out-of-cloud
18:45		Back in-cloud, then out again
		T-28 performance poor due to ice load. Charlie to RTB. Convair and Sabreliner to continue mission
19:01		T-28 landed.

### NOTES

#### Weather

Active storms are in area N of CHILL following an earlier project mission, so a second operation was launched

#### Maintenance

DMT LWC sensor broke 18:22:51. Hail counts were in the 100-200 per second range at the time.

#### Operations

Charlie thought the second flight of the day, this one, was rougher than the first one.