

T-28 Pilot Report

Flight: 736
Date: 06211999
Flight Time: 15:53 – 17:28 MDT
Pilot: Charlie Summers
Controller: Andy Detwiler
Location: Loveland, CO
Mission: Research flight

Computer Time	Video Time	Comments
15:36		Cell at 253°/32 nmi has tops to 36 kft and 60+ dBZ below the melting level
15:45		Strongest cell at 274°/27 nmi. Top > 46 kft.
15:53		T-28 up
		Best targets at 277°/28 nmi and 256°/29 nmi. 60+ dBZ below the melting level.
16:17		Convair and T-28 turning to go out 274° radial for storms dissipating over the mountains
16:22:55		Begin Run #1. T-28 already is in cloud at this time.
16:25:00		Lgt turb/no ice. 280° hdng/18 nmi from GLL
16:27		Updraft; ltng close both sides (can see in flight video); turb a little heavier
16:28		Lgt rime
16:30		T-28 out-off-cloud.
		Storms dissipating
16:32		T-28 right to 040°
16:32:38		End Run #1
		Going N to hit N end of a line of dissipating cells. Then will head to SW
16:38:14		T-28 in-cloud; hdng 040°
16:40		T-28 to circle on N end of line while waiting for Convair
16:43		T-28 heading 210°; in-cloud
16:44:56		Start Run #2
16:45:50		T-28 left to 195°
		Very smooth ride
16:50		Lgt turb
16:51		Left 20°
		Lgt rain from line of cells between FNL and newer cells near CHILL
16:53		T-28 left to 155° hdng
16:55		T-28 left to 080° for new cells
16:56		T-28 out-of-cloud
16:57:20		T-28 right to 100° hdng
		End Run #2
16:58:51		Out-of-cloud
		Start Run #3
16:59:28		Lgt turb/lgt icing
		Lots of noise in reverse-flow temperature signal
17:00:45		Lgt turb
17:02:52		In and out of cloud
17:04		T-28 out
17:05		Mission breaks up. Convair and Sabreliner to do photo session near FNL
17:24		Rain at FNL as aircraft are lining up to land
17:28		T-28 lands

NOTES

Weather

Launch on mountain convection. Convection dissipates as aircraft begin passes. The mission moves east to study newer convection over plains.

Maintenance

Humphrey accelerometer fluctuating in artificial way at times. Minor RF noise appears in static pressure 1.

Operations

Convair and T-28 at 18 kft and 19 kft, respectively, and Sabreliner at 24 kft.

Images on hail spectrometer were small. 2D-C data generally good.