

T-28 Pilot Report

Flight: 609
Date: 07151993
Flight Time: 18:22 – 19:45 CDT
Pilot: Dan Custis
Controller: Dennis Musil
Location: Bismarck, ND
Mission: Research flight

Computer Time	Video Time	Comments
18:08:15		Computer turned on after engine startup
18:22		Take-off
18:47:15		In-cloud; Begin Pen #1
		Hdng 350°; alt 19 kft
18:47:54		Out-of-cloud; End Pen #1
18:50:54		Begin Pen #2
		Hdng 140°; alt 19 kft
		1000 ft/min up; p-static; mdt icing; mdt turb; lightning
18:52:52		Out-of-cloud; End Pen #2
		Icing is as severe as I've seen it in these clouds
18:56:15		In-cloud; begin Pen #3
		Hdng 320°; alt 19 kft;
		Lgt turb; 2000 ft/min up; mdt turb; still going up; heavy icing; still have quite a bit of lift
		Ltng; ltng; ugh, ugh, 4000 ft/min up; precip static; ltng; precip static; ltng; precip static; ltng; ltng
18:59:20		Out-of-cloud; end Pen #3
19:04:00		In-cloud; begin Pen #4
		Hdng 140°; alt 19 kft
		Coming right to 160°
		p-static; lgt icing; ltng; p-static; 2000 ft/min up; p-static; ugh; mdt turb
		Icing; svr turb; ugh; ltng
19:08:36		Out-of-cloud; end Pen #4
19:12:22		In-cloud, begin Pen #5
		Hdng 320°; alt 18.8 climbing to 19 kft
		500 ft/min down; ltng; 1500 ft/min up; p-static; 2000 ft/min up; ltng; ltng
19:16:24		Out-of-cloud; end Pen #5
19:19:29		Pen #5 was set up for hdng 1400 & alt 19 kft, but was aborted
		T-28 RTB
19:48		landed

NOTES

Weather

Drizzly and overcast in AM with a warm front to the south and a short wave approaching aloft. Thundershowers were overhead by noon with many storms in vicinity.

Maintenance

Some paint, and some tape on exposed wire bundles, etc., were eroded during the mission. Hail catcher not available for this flight.

Operations

Heavy rain in the early afternoon delayed the 3-aircraft mission in which the T-28 participated until late afternoon. Mission was terminated early in order to RTB before a heavy rain area reached the airport.