

T-28 Pilot Report

Flight: 567 CaPE
Date: 08021991
Flight Time: 16:22:38 - 18:19:43
Pilot: Dan Custis
Controller: Dennis Musil
Location: Melbourne, FL
Mission: Research flight

Computer Time	Video Time	Comments
16:22:38		Storm 08 rolling on 2 Aug 91 @ 1622L
		Gator, Storm 8 rolling out 230 for pen of cell ahead
17:04:08		Pen #1 on hdg 230. Entering cloud. Mod precip. Mod turb. RT. Coming left to 160. Must be on edge. Momentarily in clear. Rolling out 160. Back in now. Light precip w/icing. 800' up. Turb.
17:06:15		Out and in clear. Pen #1 complete. RT
17:10:27		Pen #2 on hdg of 360. Entering cloud.
17:11:30		RT 10° RT to 010.
		RT. RT to 020. Not much activity.
		RT. 10° RT to 030. Not much activity.
		500' up
		1000' up
17:13:01		Coming out of cell. RT.
17:13:47		In right turn for Pen #3 on initial hdg of 210
17:16:00		Hdg now 200. For Pen #3, entering cloud, hdg 180
		800' down.
		Mod precip.
		1000' up,
		1500' up,
		2000'-3000' up.
		At edge of cloud.
		If I came abt right, I would be back into something.
		Coming right to 195 for Pen 3A.
		Up to 17,800'. Mod turb, mod precip.
		Out on east edge. RT.
		Doing 90 270
17:19:33		Out of cloud
17:23:00		Pen #4. In cloud on hdg 015 for Pen #4. RT.
		Light to mod precip w/icing.
		20° RT to 035. Mod turb.
		Hdg now ---.
		Mod turb. Mod precip.
		Hvy precip. Mod turb.
17:25:37		Exiting. Will just be in top of cell @ 12 o'clock.
17:26:01		Hdg of 045 Pen 4A

17:26:20		Out
		Pen # goes from 4A to 7 – lost track – no 5 or 6 penetration notes
17:31:11		Pen #7. In cloud. Hdg 220 light precip
17:31:45		Coming left 10° to 210°. Hdg 210
17:32:13		Out of cloud. No film on #7. Now out.
		RT reversing ???
17:36:43		Pen #8, hdg 030
17:37:54		Entering cloud.
		10° RT to to 060.
		Light precip, light turb, icing.
		Mod turbulence
		1000' up.
		10° left to 050 on Pen #8
17:40:40		Out of cloud
17:44:32		In left turn to start Pen #9 on hdg 220. Camera out of film.
17:46:07		Pen #9, hdg 220.
		All pen are @ 17,000'.
		Entering cloud shortly.
17:46:15		In cloud. Mod turb
		500' up. Icing. RT.
		Left to 180 momentarily out of cloud.
		Tower @ 12 o'clock, 3 miles.
		Call that Pen #9.
17:49:05		Pen #10, on hdg of 160.
17:49:49		Entering cloud. 500' down. Mod precip and icing. Mod turb.
17:55:28		Pen #11 on hdg 35°. In cloud.
		Hdg 340, 30° right to 010.
		Momentarily out of cloud.
		I see another cell @ 12 o'clock.
		Be going back in @ 30 seconds.
		Hdg 010.
		Pen 11, momentarily in clear
		Out of cloud, anything significant had to be below me. Didn't pick up anything on that run.
17:55:55		Hdg 055 for Pen #12. Penetrating in 30 sec. RT.
18:02:00		Momentarily out of cloud.
		Entering again @ this time.
		Light turb.
		Light precip and icing.
18:03:27		Out and in clear, cloud sw. off.
18:06:46		Pen #13 on hdg of 235. Cloud SW on.
		Light precip, mod. turb
		out momentarily,
		coming left to 230, be back in in 30 sec.

		Out again.
		Back in in about 30 seconds on hdg of 220.
		Coming right to 230.
		Out of cloud.
		Reentering in about 10 sec. RT.
		Light precip. Light turb.
		Mod turb. Hvy precip.
		1000' up.
		Momentarily out of cloud, be reentering in about 20 sec. RT.
		Entering cloud. ---. Time ---. RT.
		Exiting and coming left to 150.
18:13:07		Pen #14 on hdg of 150.
		Entering cloud.
		Mod turb. Mod precip and icing.
		Mod turb, mod precip. RT.
18:15:10		Out of cloud. Terminating.
18:18:20		FM test. Executing 45 left and 45 RT at this time in a descent, out of 14,500 at this time. RT.
18:19:38		Test off

NOTES

---- = unreadable.

RT = radio traffic

Weather

Maintenance

Operations