

T-28 Pilot Report

Flight: 563 CaPE
Date: 07201991
Flight Time: 10:25:20 – 11:43:37
Pilot: Dan Custis
Controller: Dennis Musil
Location: Melbourne, FL
Mission: Research flight

Computer Time	Video Time	Comments
10:25:20		FM test on
10:27:35		FM test off
10:37:06		Climbing out on a heading of 330, encountering some activity
10:37:30		Cloud switch on. Penetration #1 was on climbout from MLB on hdg of 330.
		Was in and out of cloud and missed best activity. RT
10:53:56		Penetration #2, hdg 060 and 18000, in cloud about 1 nm back.
		Mod. precip, 1000' up, momentary break in clouds. RT.
10:55:40		Complete pen #2.
10:58:00		(Same cloud)
10:58:06		Cloud sw on. Pen #3 on hdg of 340. 10° left. Looks like I'll be going into heavier activity at this time. Carb heat on. Mod. turb.
		OK. I'm in severe at this time. Getting some icing. Heavy precip static. Mod turbulence.
		1000' up, things are lighting up. Appear to be coming out.
		Penetration comp. in clear air.
11:00:00		Penetration complete
11:05:24		Penetration #4 & 5. RT. Hdg 120.
		Entering cloud. Light precip. Ltng. Ltng. Lt turb. 1m up, ltng, mod turb., mod precip, mod. turb, 1m up, mod turb and mod precip, heavy icing
		20° left to 100°, 1.5 – 2m up, at 18,000 steady on 100.
		Appear to be breaking out in clear area now. Can't see much due to ice. Will do 90-270.
11:08:40		Have
11:12:36		This will be Pen #6 on 300° at 18m. Cloud sw on @ 11--, entering cloud.
		Precip static. Light turb, light precip. Mod. icing.
		Mod turb. 1m up, int. sev. turb, ltng, 1m up.
		Hvy precip, thing smooth, light precip,
		Breaking out in clear, cloud sw off. RT
11:21:46		No DME FR Orlando. Turning to 110° for Pen. #7 at 18,000'. Entering cloud.
		Precip static. Light precip. Mod turb and precip.
		2000' up, ltng, light precip, RT, breaking out and coming 20° left to 090.
11:26:30		Pen # 7 complete. RT.
11:30:44		Pen # 8 on hdg of 250. Steady on 250 w/mod icing.
		1,000' up, precip static, ltng, heavy precip, mod turb, hvy precip, updrafts, mod turb, RT, coming out.
		There is a little cell ahead. Will hit small cell. OK thru small cell. RT.
11:38:40		Mod precip w/cloud sw on now. Mod turb, 1,000 up. Smoothing out.
		Back in turb. RT. RT. This is Pen #9 on hdg of 040. RT.
11:41:22		Out of cloud. RT
11:43:37		In cloud. Light precip. END.

NOTES

On the note sheet, #2 and #3 were indicated as possibly the same cloud. Same with #8 and #9.

Also note that abbreviations were defined as follows:

MLB = Melbourne

RT = Radio Traffic

M – 1000'

NM = nautical mile

Weather

Maintenance

Operations