

T-28 Pilot Report

Flight: 566 CaPE
Date: 07311991
Flight Time: 13:03:00 – 14:30:10
Pilot: Dan Custis
Controller: Dennis Musil
Location: Melbourne, FL
Mission: Research flight

Computer Time	Video Time	Comments
13:03:00		Taking off. FM test sw. on
		Banking 45° left then 45° right
		FM test sw. off
13:33:29		1 st pen.
		RT. Smooth flight so far. RT
		Hdg 275. Starting RT turn to 060.
		RT Cloud sw. off.
13:35:12		Pen #1 comp. Steady on 060
13:35:19		Starting run on 060. In cloud. Advise when to start Pen. (Note: this appears to be Pen #2) RT. 29.5 DME Turning to 095.
13:37:07		Cloud SW on. Light turb.
		RT Light icing. Precip static. ----.
		In clear for now.
		Activity in front, want me to keep trucking or do 90-270? RT.
		Going straight. Hdg 095.
13:39:34		Back in cloud.
		Light to mod. turb.
		Mod icing.
		500' up.
		RT.
13:41:00		In clear. RT
13:44:56		In cloud Pen #3 (no notes)
13:47:30		Out of cloud
13:49:49		In cloud. (Notes say "#4 Attack") Reversing course w/90-270
13:51:15		Out of cloud
14:00:09		Pen #5. Hdg 260. Entering shortly.
		Time 14:00:09 entering cloud now.
		Light turb., light precip
		500' up.
		Mod. precip. Mod. turb.
		Heavy precip, turning to ice.
		1000-1500' up.
		Still 1000' up.
		Precip light now.
		500' up
		1000' up.

		500' up
		Still in cloud.
14:03:45		Breaking out.
		Switch off. RT.
14:08:34		This will be Pen #6 on hdg of 080. In cloud at 08:30. ---.
		Things pretty smooth.
		RT. Light precip.
		Light to Mod. turbulence.
		Icing.
		Mod. turb, mod. precip.
		1200' up.
		1500' up. Mod to hvy precip
		1000 to 1500' up. Negative ltng
14:11:30		Out of cloud
14:17:06		Turning to 250 for Pen #7. Won't be any help selecting cloud. RT.
		Entering cloud shortly.
		Entering cloud now.
		Light turb, light precip. RT.
		Turning to 180.
		In turn. Mod precip. Ltng.
		1500'-2000' up.
		2000' up.
		Being pushed out top of block.
		Ltng.
		Rolling out 180.
		Very smooth now.
14:18:48		Out of cloud
14:22:01		In cloud now.
		Light precip.
		Hdg 340. RT.
		1000' up. Icing.
		Light turbulence. Heavy rain. Moderate turbulence. Light icing. ----.
		1000' up.
		1500' up.
		Precip static.
		Still have 1000' up.
		Precip diminished.
		Ltng.
		Light precip and icing.
		Pretty smooth.
		Coming out shortly.
14:24:39		Out of cloud. Start right 180 to 150 hdg.
14:26:10		Rolling out 150. This will be Pen #9.
14:26:40		Cloud sw on.

		Precip static .
		Light precip and light icing. RT.
		10 right to 160.
		Light turbulence.
14:27:26		Ltng. Thing smooth, hardly any precip.
14:28:35		Out of cloud. 31-3 DME
14:29:32		45° bank left and right.
14:30:10		FM mill off

NOTES

---- = unreadable
RT = Radio Traffic

Weather

Maintenance

Operations