

## T-28 Pilot Report

Flight: 565 CaPE  
Date: 072991  
Flight Time:  
Pilot: Dan Custis  
Controller: Dennis Musil  
Location: Melbourne, FL  
Mission: Research flight

Computer Time	Video Time	Comments
17:03:00		Taking off
17:28:30		Pen #1 will be on hdg of 345, 18,000', ---.
		Camera on.
17:29:25		Entering cloud
		Light turb
		Light precipitation
		1200' up.
17:30:27		Out of cloud
17:35:00		RT. This will be Pen #2 on hdg of 030. 18,000'.
17:34:30		Cloud SW on. RT. Entering cloud now. ----.
		In clear now and small cell at 12 o'clock. RT.
		Little light icing in cloud I left.
		Hdg now 035. RT. Calling this Pen #2A.
		RT. Entering cloud.
		Light turb.
17:37:53		Out of cloud. RT.
17:42:50		In cloud (Notes say "see attached" but nothing was attached)
17:44:15		Out of cloud
17:49:18		Pen # 4 on hdg of 050. ----.
		Cloud sw on. RT.
		Entering cloud. RT.
		Light turb.
		Light icing.
		Exiting at this time.
		RT. ---- RT. ---- RT. ----.
17:50:30		Out of cloud
17:55:27		Pen #5 hdg 240.
		Mod turb. Mod precip.
		RT. Hvy precip.
		1000' up.
		Coming out at this time.
		RT. Little more of buildup will cont. ahead.
		Pen #5A. hdg 240. ----. RT. ----.
		Out in clear. RT.
18:01:00		Be entering shortly on Pen #6 on hdg. 050, 18,000'.
		Entering cloud.

18:02:00		RT. Light turbulence, icing.
		800' down. Ltng. Mod rain.
		1000' up. Hvy rain.
		1600' up. Mod. turbulence. Mod rain.
		1000' up, mod. turb., RT.
18:04:03		Out of cloud
18:10:36		Entering cloud.
		Ltng.
		1000' up.
		Hdg 230. Icing. RT.
		Ltng. RT.
18:14:35		Out of cloud
18:19:08		Pen # 8 heading 050.
		Entering cloud.
		Getting a pretty smooth ride.
		Light turb. Precipitation.
		500' down.
18:22:50		Exiting cloud. RT
18:26:49		Pen #9. Hdg 250.
		In cloud.
		Ltng.
		Icing.
		Light turb. RT.
		Mod turb. RT. ----.
18:28:24		Out of cloud
18:32:39		Pen #10 on hdg of 100.
		Still on Pen #10. RT.
		10° RT for 110.
		Precipitation static.
		Light turbulence.
		1000' up.
		Mod. turb.
		Ltng.
		Heavy precipitation.
18:35:35		Exiting cloud. RT.
18:37:40		Hdg 27°. Pen #11. RT.
		Turning to 300. ----.
		Cloud sw on.
		Pen #11 on hdg of 300.
		Precip static.
		Icing.
		Ltng.
18:30:53		Out of cloud.
		Making 180 to right to hdg of 120.

18:41:51		Pen #12. Last penetration time now 41:30.
		Steady on 120.
		Camera on.
		Cloud sw on @ 42:50. ----.
		Ltng. Ltng. RT.
18:43:30		Out of cloud. That will do it. Pickup op hdg for homeplate.
18:19:06		Mission terminated. All at 18,000'

**NOTES**

---- = unreadable  
RT = Radio Traffic

Weather

Maintenance

Operations  
All at 18,000'