

## T-28 Pilot Report

Flight: 574 - CaPE  
Date: 08131991  
Flight Time: 17:09:02 – 19:39:34  
Pilot: Dan Custis  
Controller: Dennis Musil  
Location: Melbourne, FL  
Mission: Research flight

H.I. – heading indicator

Computer Time	Video Time	Comments
		Taxing w/mag runway 270, H.I. 271 to 272, increasing to 273 (H.I.)
17:21:00		Rolling
		VOR/DME is on Osmond, good VOR/DME, negative GPS at this time.
17:54:42		Coming left to 160 for Pen #1.
17:56:47		Pen #1. Hdng 160, 16,000'. In cloud, hdng 160.
		RT. 10 right to 170. Very smooth so far
		RT
		light turb light precip
		Rhime ice
		mod precip mod turb
		light precip
		Still in cloud, Do I still have some cell in front?
		RT.
		Appear to be out of any activity, just a bit of light precip.
17:59:20		RT. Out of cloud
18:02:24		Pen #2. Rolling out 185. VOR not working, GPS seems to be OK
		In cloud, hdng 185, 16,000'. Light precip
		RT. Picking up some rhime ice.
		Mod turb mod precip
		hvy precip ltng hvy precip
		RT. 1500' up. Light precip now
		RT. Ltng.
		1000' up
		1000' up
		RT. Ltng.
		Precip UNR
		ltng
		back in mod turb and mod precip ltng ltng
		mod turb
		Hvy precip ltng
		hvy precip ltng
		severe turb
		1500' up
		2000'-3000' up

18:08:27		Out and in clear, completes pen #2
		Pretty good ride on Pen #2 Gator. Have to come right @ 40° to hit another cell.
18:14:14		In cloud for Pen #3 (Note: there were no other notes on the rest of the penetrations for this flight, so I have listed the in cloud and out of cloud times)
18:16:52		Out of cloud to End Pen #3
18:20:21		In cloud for Pen #4
18:25:00		Out of cloud to End Pen #4
18:27:51		In cloud for Pen #5
18:32:42		Out of cloud for Pen #5
18:33:56		In cloud for Pen #6
18:34:32		Out of cloud for Pen #6
18:37:13		In cloud for Pen #7
18:40:00		Out of cloud to end Pen #7
18:41:04		In cloud for Pen #8
18:45:43		Out of cloud to end Pen #8
18:51:00		In cloud for Pen # 9 and #9A
19:01:35		Out of cloud for Pen # 9 and #9A
19:03:32		In cloud (no further penetration numbers are given on the computer printout)
19:06:28		Out of cloud
19:07:38		In cloud
19:08:42		Out of cloud
19:11:12		In cloud
19:12:43		Out of cloud
19:13:37		In cloud
19:16:33		Out of cloud
19:40:25		Past user stop time (end of computer printout)

**NOTES**

---- = unreadable

Weather

Maintenance

Operations