

## T-28 Pilot Report

Flight: 576 (the last CaPE flight – some coordination with NASA Lear in debris-type clouds)  
Date: 08181991  
Flight Time: 15:09-16:47  
Pilot: Dan Custis  
Controller: Dennis Musil  
Location: Melbourne, FL  
Mission: Research flight

Computer Time	Video Time	Comments
15:09		Takeoff (?)
15:15:00		FM test on for 1 minute
		Bank complete at 15:24
15:21:25		FM test on 15:21:05 for 1 min. Did left and right banks.
15:46:43		Rolled out at 125° for Pen #1 20 kft
15:47:33		Haven't found anything yet on this heading; should turn and go back thru on a 280 or 290 hdng
15:48:05		Didn't find anything. Didn't hit in-cloud switch
15:49:31		Pen #2 hdng 290°, 20 kft
15:50:13		In-cloud. Ask for 40° right
15:51:12		Out-of-cloud
15:53:17		
15:53:31		Pen #3
		(Pen #2 was pretty much a bust also. Didn't think anything was there) ("If there was anything there we missed it.")
15:53:41		
15:53:53		Pen #4 hdng 090° (handwritten notes say Pen #3, and remain off thru rest of the notes; correct numbers have been used)
54:50		In-cloud
		Coming right to 100°
		Slow flight so far, no significant activity
15:56:52		Out of cloud at :56:58
16:01:18		In-cloud (Pen #5) at 16:01:22
		Hdng 330° alt 20 kft
		Not encountering any significant activity
		(GATOR calls up to say cloud collapsed, but probing for electric fields)
:04:21		Out-of-cloud
:04:43		Continuing penetration #5 on hdng 330 for ~ 10 nmi
16:09:33		End pen #5 Drop to 16 kft
16:26:00		In-cloud, pen #6 14 kft
16:26:47		Very thin cloud. Ground visible below
16:28:10		Very thin cloud, ground visible below
		Some p-static
16:30:05		Pen #6 complete 14 kft
16:36:23		Hdng 180° for 2 mi (starting box pattern)
16:38:02		Hdng 180° run complete, maintained to within 1°
16:38:59		Starting easterly track
16:41:03		Easterly track complete, held within 1°

16:42:01		Northerly track start
16:44:03		Northerly track complete, held within 1°
16:45:00		Westerly heading start
16:47:00		Westerly heading complete, held within 2°

***NOTES***

Weather

Maintenance

Operations