

T-28 Pilot Report

Flight: 571 CaPE
Date: 08081991
Flight Time: 12:42:51-14:54:36
Pilot: Dan Custis
Controller: Dennis Musil
Location: Melbourne, FL
Mission: Research flight

Computer Time	Video Time	Comments
12:42:51		System running, out-of-cloud, foil impactor off
12:53:00		Rolling
13:20:10		Pen #1 on hdng of 130, 17,500'. In cloud.
13:20:47		Exiting cloud. Nothing in that cloud.
13:24:00		FM test sw on for 1 minute, 45° bank left and right.
13:25:00		FM test off
13:25:51		Pen #2 on hdng of 110, alt 17,000', RT. In-cloud. Light turb. Light precip. Out and in clear.
13:26:22		Comp Pen #2, 17,000'.
13:29:46		Pen #3 on hdng 265, 17,000' in cloud. Hdng. 265. 500' down.
13:30:39		Out of cloud. RT.
13:30:42		Left camera on between Pen 2 and 3, so there will be a lot of clear air shots. RT.
13:35:50		Will be on Pen #4 on a heading of 050. Pen in at 20 secs.
		In-cloud. Light turbulence.
13:36:51		Out of cloud. RT Light precip and very light icing in Pen #4. Didn't amount to much. Coming right 180° to 230 to set up for #5
13:40:18		Pen #5 on hdng of 280, in-cloud. Storm 8. Out of cloud 10 secs > entry.
13:43:32		Pen #6 on hdng of 325, 17,000'. In cloud.
		Mod turb light precip light precip
		1000' up. Still in light precip.
		1000' down mod. turb.
		Momentarily out of cloud, going back in shortly on hdng of 335.
13:45:30		Out and in clear. Completed.
13:52:35		Pen #7 on hdng of 145, 17,000'. penetrating – in cloud.
		1000' up. Light precip, mod turbulence.
		Some icing. Mod precip.
		1000' up.
		1200' up.
		1400' up.
13:53:58		Out of cloud
13:58:03		RT – orbiting off to east at 16000'.
13:59:24		Pen #8 on hdng of 320, 17,000'.
		RT. In cloud. Hdng 310.
		Light precip light turb light turb light precip mod precip

		1000' up
		1500' up mod precip
14:00:44		out of storm
		RT out 1 min and then 180 to left
14:08:13		Pen #9 on hdng of 130, 17,000'
		RT Pen #9 on hdg 130
14:09:12		Light turb light precip
14:11:00		Out of cloud. Starting down to get with storm 9.
14:18:24		Sail plane
		Cloud SW on for intercomparison at this time on right wing of sail plane about 100' out
		RT. Breaking off to right and will join on storm 1.
14:22:00		Sail plane intercomparison complete.
14:25:45		Doing 45° bank left and right @8,000'
		In vicinity of small cell.
		JW off
		Screwed up on switches
		FM test on 2----. RT.
14:33:50		Cloud switch coming on while in formation with King Air
		Storm 8 squawking standby while in formation. Would like some of this work @ 140 kts, which is our working air speed. RT.
		Storm 8 will be sliding over to left wing.
		In trail now, moving to left wing.
		RT.
14:45:00		Intercomparison complete with King Air
14:45:28		Banking 45° left and right in field mill test. Actually 50' banks. RT.
		FM test off.
14:54:00		Landed

NOTES

Weather

Maintenance

Operations