

T-28 Pilot Report

Flight: 573 - CaPE
Date: 08111991
Flight Time: 15:51:02-18:11:00
Pilot: Dan Custis
Controller: Dennis Musil
Location: Melbourne, FL
Mission: Research flight

Computer Time	Video Time	Comments
15:55:55		Field mill test complete between 55 and 56 w/45° banks left and right
16:14:19		Pen # 1, hdg 180, 14,000'. Penetrating now. In top of very small cell.
		Out of cloud.
		Rolling hdg 190 for bigger cell.
		Penetrating in about 30 secs.
		Hdg now 186.
		Pen #1A. Alt 14,000'.
		In cloud. Light turbulence, light precipitation
		Out of cloud.
		Another cell on hdg 190 (Pen 1B). 190 puts me just in top of another cloud.
		Pen 1B.
		Camera off momentarily.
		RT. In cloud. Light precip.
16:14:33		Out of cloud. Not much to any of the 3 cells
16:18:32		Pen in about 30 secs, hdg 315, 15,000'. Pen #2. In cloud. Light turb, light precip
16:18:59		Out of cloud
16:22:17		Pen #3, hdg 160, 15,000'. Rolled out 160 and will just be in top of this cell. Pen #3 on hdg 160. In cloud
16:22:20		Out of cloud. Absolutely no activity in Pen #3. Just in and out of the top of CV.
16:25:02		Pen #4, hdg 020, alt 14,000',
		In cloud, hdg 020.
		This cloud is joined at the base w/2 turrets FM common base.
		Light rain now, may want to do a 180 and hit the more eastern turret on way back.
		Light turb.
16:25:29		Out of cloud
16:27:45		Pen #5, hdg 210, ALT 14,000'.
		In Cloud. Light turb. Light precip.
		1000' down
16:28:17		Out of cloud. RT
16:32:43		Pen #6, hdg 020, ALT 14,000'. Hdg now 360 on Pen #6. In cloud
16:32:50		Out of cloud. RT
16:37:18		Pen #7, hdg 205, 14,000'. In cloud
16:37:32		Out of cloud. RT
16:50:30		Pen #8, hdg 010, 15,000'.
		500' up. RT.
		Entering shortly.

		In cloud. Light turb, light precip
16:51:20		Out of cloud. RT
16:57:12		Pen #9, hdg (blank), ALT 15,000'.
		Passing under most of cloud. Very thin cloud.
16:57:47		Out and in Clear.
		Passed under major portion of cloud.
17:03:35		Hdg. 350, 14,000' for Pen #10.
		Not going to be much in this either. Most all of the clouds are dissipating.
		Entering a very narrow, dissipating tower
17:03:44		Out now. Will reverse course and see what's off to the south.
17:25:10		Rolling out 065, 15,000', for Pen #11. RT.
		Penetrating.
		Light turb light precip mod precip heavy precip
		500' down mod turb light precip light turb
		500' down light precip
17:26:36		Out of cloud. RT
17:27:26		Pen #12, hdg 055, 15,000'.
		Light to mod turb, light rain light turb light rain
17:30:24		Out of cloud. RT
17:29:56		Pen #13, hdg 120, 15,000'.
		In cloud. Light precip.
		1000' down Mod precip.
		Still have mod turb, mod precip
		500' down.
		Momentarily out of cloud.
		Will cont. on this hdg for pen #14.
17:27:57		Out of cloud
17:30:30		Pen #14, hdg 120, 15,000', entering cloud.
		Light precip. Mod to hvy precip. Mod. turb.
		3000' up.
		Still 3000' up. Hvy rain
		1000' up. Mod rain.
17:31:34		Out and in clear. Complete
17:34:05		Pen #15, hdg 310, 15,000'. 10 sec to pen
17:34:34		In cloud. Light precip, mod precip, mod turb.
		RT.
		Mod turb hvy precip
		RT
17:35:37		Out of cloud. Executing 90-270.
17:37:35		Pen #16, hdg 140, 15,000 for final pen.
		Mod rain, hvy rain, mod turb
		1000' up, 1500' up. Still hvy rain
		500' up Light rain.
17:38:11		Out and in clear, pen complete. RT

18:11:00	Mission complete
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NOTES

Weather

Maintenance

Operations