### T-28 Pilot Report

**Flight:** 567 CaPE  
**Date:** 08021991  
**Flight Time:** 16:22:38 - 18:19:43  
**Pilot:** Dan Custis  
**Controller:** Dennis Musil  
**Location:** Melbourne, FL  
**Mission:** Research flight

<table>
<thead>
<tr>
<th>Computer Time</th>
<th>Video Time</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:22:38</td>
<td></td>
<td>Storm 08 rolling on 2 Aug 91 @ 1622L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gator, Storm 8 rolling out 230 for pen of cell ahead</td>
</tr>
<tr>
<td>17:06:15</td>
<td></td>
<td>Out and in clear. Pen #1 complete. RT</td>
</tr>
<tr>
<td>17:11:30</td>
<td></td>
<td>RT 10° RT to 010. RT. RT to 020. Not much activity. RT. 10° RT to 030. Not much activity. 500’ up 1000’ up</td>
</tr>
<tr>
<td>17:13:01</td>
<td></td>
<td>Coming out of cell. RT.</td>
</tr>
<tr>
<td>17:13:47</td>
<td></td>
<td>In right turn for Pen #3 on initial hdg of 210</td>
</tr>
<tr>
<td>17:16:00</td>
<td></td>
<td>Hdg now 200. For Pen #3, entering cloud, hdg 180 800’ down. Mod precip. 1000’ up 1500’ up 2000’-3000’ up. At edge of cloud. If I came abt right, I would be back into something. Coming right to 195 for Pen 3A. Up to 17,800’. Mod turb, mod precip. Out on east edge. RT. Doing 90 270</td>
</tr>
<tr>
<td>17:19:33</td>
<td></td>
<td>Out of cloud</td>
</tr>
<tr>
<td>17:23:00</td>
<td></td>
<td>Pen #4. In cloud on hdg 015 for Pen #4. RT. Light to mod precip w/icing. 20° RT to 035. Mod turb. Hdg now ---. Mod turb. Mod precip. Hvy precip. Mod turb.</td>
</tr>
<tr>
<td>17:25:37</td>
<td></td>
<td>Exiting. Will just be in top of cell @ 12 o’clock.</td>
</tr>
<tr>
<td>17:26:01</td>
<td></td>
<td>Hdg of 045 Pen 4A</td>
</tr>
</tbody>
</table>
17:26:20  Out
Pen # goes from 4A to 7 – lost track – no 5 or 6 penetration notes


17:31:45  Coming left 10° to 210°. Hdg 210

RT reversing ???

17:36:43  Pen #8, hdg 030

17:37:54  Entering cloud.
10° RT to to 060.
Light precip, light turb, icing.
Mod turbulence
1000’ up.
10° left to 050 on Pen #8

17:40:40  Out of cloud

17:44:32  In left turn to start Pen #9 on hdg 220.
Camera out of film.

17:46:07  Pen #9, hdg 220.
All pen are @ 17,000’.
Entering cloud shortly.

17:46:15  In cloud. Mod turb
500’ up. Icing. RT.
Left to 180 momentarily out of cloud.
Tower @ 12 o’clock, 3 miles.
Call that Pen #9.

17:49:05  Pen #10, on hdg of 160.

17:49:49  Entering cloud.
500’ down.
Mod precip and icing. Mod turb.

Hdg 340, 30° right to 010.
Momentarily out of cloud.
I see another cell @ 12 o’clock.
Be going back in @ 30 seconds.
Hdg 010.
Pen 11, momentarily in clear
Out of cloud, anything significant had to be below me. Didn’t pick up anything on that run.

17:55:55  Hdg 055 for Pen #12. Penetrating in 30 sec. RT.

18:02:00  Momentarily out of cloud.
Entering again @ this time.
Light turb.
Light precip and icing.

18:03:27  Out and in clear, cloud sw. off.

18:06:46  Pen #13 on hdg of 235. Cloud SW on.
Light precip, mod. turb
out momentarily,
coming left to 230, be back in in 30 sec.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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</thead>
<tbody>
<tr>
<td>18:13:07</td>
<td>Pen #14 on hdg of 150.</td>
</tr>
<tr>
<td></td>
<td>Entering cloud.</td>
</tr>
<tr>
<td></td>
<td>Mod turb. Mod precip and icing.</td>
</tr>
<tr>
<td>18:15:10</td>
<td>Out of cloud. Terminating.</td>
</tr>
<tr>
<td>18:18:20</td>
<td>FM test. Executing 45 left and 45 RT at this time in a descent, out of 14,500 at this time. RT.</td>
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</tbody>
</table>

**NOTES**

---- = unreadable.
RT = radio traffic
Weather

**Maintenance**

**Operations**