

T-28 Pilot Report

Flight: 757
Date: 6/22/2000
Flight Time: 23:18:28-01:16:09
Pilot: Charlie Summers
Controller: Andy Detwiler
Location: Goodland, KS
Mission:
Weather:

Computer Time	Video Time	Comments
	23:27:58	Takeoff from Goodland, KS
	23:29:50	FM test
	23:35:27	Andy advising caution due to possibility of storm containing large hail
	23:41:53	Currently at 16,000 ft. for 17,000 ft. heading 290°
	23:43:43	Recycling HVPS
	23:44:12	In cloud and at heading of 280°, 17,000 ft., and 150 kts.
	23:44:39	Moderate to heavy turbulence
	23:45:00	Precipitation visible on video
	23:45:45	Pilot reporting updrafts and moderate to severe turbulence
	23:46:24	Pilot reporting that storm is very turbulent
	23:50:27	In and out of clouds; carb. heat off.
	23:51:13	Lightning
	23:51:20	Lightning
	23:51:35	Pilot reporting ¼ inch of ice
	23:51:46	P-static
	23:51:49	Lightning
	23:51:51	Lightning
	23:52:07	Close Lightning
	23:52:10	Turning left to heading 020°
	23:52:48	Hail reported by pilot and lightning about every 5 seconds.
	23:53:31	Close lightning
	23:54:01	Getting more turbulence
	23:54:14	Turning right to 200° to reverse course
	23:54:40	Heavy lightning
	23:55:25	Lightning
	23:55:51	Turbulence building, getting severe
	23:55:58	Close lightning
	23:56:20	Severe turbulence
	23:56:55	Getting hail
	23:58:08	Out of cloud
	23:58:24	Making wide left turn to 020°
	23:59:10	Back in cloud
	23:59:18	Recycling HVPS
	23:59:45	Turbulence and lightning
	24:00:18	Updrafts

	24:00:25	Close lightning
	24:00:34	Lightning
	24:00:44	Pilot reporting hail
	24:01:28	Heavy turbulence and light hail
	24:03:07	Heading east, current alt. 16,700 ft.
	24:03:21	Lightning
	24:04:08	Turning right heading 180°
	24:04:45	Pilot reporting turbulence
	24:05:40	Out of cloud
	24:06:02	Recycling HVPS
	24:06:10	In cloud
	24:06:16	Lightning
	24:06:26	Pilot reporting about 1.0 inch of jagged ice on aircraft (clear ice)
	24:07:19	Close lightning
	24:07:45	Lightning continuously every few seconds
	24:10:43	P-Static
	24:10:52	Light turbulence
	24:12:17	Out of cloud
	24:13:28	Pilot reporting jagged ice (clear ice) out to ¾ inch but windshield still clear
	24:14:07	Back in cloud
	24:14:14	Picking up turbulence
	24:14:55	Turning left to heading 080°
	24:16:09	Turning to heading 010°
	24:16:13	Out of cloud
	24:16:33	In cloud, heading 010°, altitude 16,800 ft., speed 130 kts.
	24:17:20	Turning 010° right to heading of 020°
	24:17:26	Pilot reporting some turbulence
	24:17:49	Turning another 010° right to heading 030°
	24:18:26	Getting hail
	24:18:33	Recycling HVPS
	24:18:49	Lightning
	24:19:00	Pilot reporting updrafts
	24:19:24	Close lightning and P-static
	24:19:31	Pilot reporting hail and it is breaking ice from aircraft
	24:20:43	Lightning
	24:22:02	Turning 090° due to hail size, going to heading 100°
	24:22:53	Severe turbulence
	24:24:13	Aircraft got pushed up to 18,300 ft. by updraft
	24:24:28	Current heading 360°
	24:24:53	Out of cloud
	24:25:50	Recycling HVPS
	24:26:32	Smooth ride and out of cloud
	24:26:51	Turning 180° left
	24:27:37	In cloud

	24:27:57	Lightning
	24:29:02	Severe turbulence
	24:29:10	Pilot reporting updrafts
	24:29:21	Video showing continuous lightning
	24:29:35	Turning 010° left
	24:29:48	Pilot reporting hail
	24:30:00	Pilot reporting very heavy turbulence
	24:31:12	Pilot reporting heavy hail
	24:31:56	Close lightning
	24:32:11	Pilot reporting strong downdraft
	24:32:39	Pilot reporting very turbulence ride and a lot of lightning
	24:32:53	Updraft
	24:33:56	Hail
	24:34:45	Still in updraft
	24:35:26	Turning 180° to heading 030°
	24:39:27	Starting to get turbulence
	24:40:39	Pilot reporting that storm anvil is currently at 2:00
	24:40:42	In cloud
	24:41:00	Turning left heading 350°
	24:41:50	Bouncing in and out of cloud tops
	24:42:54	Close lightning and building turbulence
	24:42:58	Strong updraft
	24:43:12	Back out of cloud
	24:46:26	Light turbulence
	24:46:46	Updrafts
	24:47:23	Constant lightning and looks to have ½ inch of ice on canopy
	24:48:03	Severe turbulence
	24:48:37	Hail and heavy lightning
	24:50:23	Still experiencing updrafts and turbulence
	24:53:40	Coming out of 12,500 ft. and ice starting to melt off of aircraft but still about an inch left to melt
	25:08:03	Touchdown for landing at Goodland, KS.

Maintenance:

Operations: