

19770823FI-LPS

Here are the notes I took
for this flight.

OK

Flight 770823F

Stair Step flight

Takeoff Time 112640Z

At takeoff ^{DVM} HC ~~is~~ at ~ 14,000 ft., few SC.

VSBY ~ 7 miles.

Penetrated the HC at 4912 m. at 1137Z

HC ~~looks~~ is in two layers ~ 500 ft. apart.

Penetrated 2nd deck of HC at 1140, elevation 5969 m.

Cited HC at 6472 m. at 1141Z clear above.

Flight level of 7430 m ~~is~~ is achieved at
1146Z

Beginning Stair Step Pattern

1st level will be at 24,000 ft.

Time

Begin

Run	In	Out	Lat.	Lon.	Hdg.
1	123522	123722	28.41	79.93	360°
2	123931	124131	28.38	79.83	180°
3	124241	124441	28.27	79.92	270°
4	124641	124841	28.17	80.10	090°
5	125240	125441	28.47	79.87	360°
6	125731	125933	28.61	79.70	180°
7	130102	130302	28.31	79.81	270°
8	130521	130721	28.17	80.00	090°
9	130922	131122	28.28	79.72	360°
10	131312	131512	28.37	79.67	180°

spd.
210



240

170

Run	Time	Out	Lat.	Lon.	Hdg.	Spd.
11	131622	131822	28.18	79.77	270°	
12	132021	132222	28.10	79.84	090°	

Now descending to 16,000 ft. to begin 2nd level.

Entering cloud layer at 132417 Radon Alt. 6041 m.

Broke out 132540 Radon Alt. 5400 m

Now between two cloud layers. At 16,000 ft. we
are ~~in the layer~~ ^{right at the top of the HC layer} occasionally penetrating the layer.

13	132802	133002	28.41	79.73	360°	240
14	133202	133402	28.54	79.63	180°	
15	133512	133711	28.33	79.70	270°	

Cloud layer below the aircraft is ①. Layer above is

① South & ① everywhere else

16	133714	134112	28.24	79.84	090°	
17	134302	134502	28.37	79.58	360°	210
18	134702	134902	28.48	79.51	180°	

Did the 360° + 180° hdg. runs over because of computer problems

19	135542	135742	28.44	79.81	360°	
20	135932	140132	28.58	79.73	180°	
21	140252	140452	28.38	79.81	270°	
22	140652	140852	28.33	79.92	090°	

After this run we will go back and do all the 240 kts., 16,000 ft. runs. We have lost the temp. data so this was the computer problem.

Run	Time		Begin		Hdg.	Spd.
	In	Out	Lat.	Lon.		
23	141032	141232	28.44	79.69	360°	240
24	141432	141632	28.59	79.60	180°	
25	141802	142002	28.37	79.70	270°	
26	142202	142402	28.28	79.84	090°	
27	142531	142732	28.36	79.58	360°	170
28	142912	143112	28.49	79.52	180°	
29	143231	143432	28.34	79.57	270°	
30	143632	143832	28.28	79.67	090°	

Now will descend to 10,000ft. for the 3rd in the mission.

Went thru the bases of the HC at ~ 11,000 ft. Now are

in the clear with CU below at about 5000 ft and

① HC + HS at 11,000 ft with higher ~~clouds~~ clouds visible.

31	144702	144902	28.47	80.00	030°	240
32	145102	145303	28.56	79.86	210°	
33	158903	150102	28.45	80.22	120° 120°	

Between run 32 & 33 the computer went off line. Now they had to take the radar off of us on the ground, so there will be a delay of about 15 min. before we can resume the mission. As for sky condition

500 1100 with some CB distant NNE.

34	151822	152021	28.49	79.75	120°	
35	152221	152422	28.51	79.55	300°	
36	152552	XX	28.69	79.71	030°	210

Run	In	Time Out	Lat.	Lon.	Hdg.	Spd.
-----	----	----------	------	------	------	------

B.

Computer just went off line so this run will be ignored and will have a new 36 run.

36	153122	153321	28.82	79.53	210°	
37	153531	153731	28.77	79.65	030°	Invalid
38	154212	154411	28.89	79.60	300°	
39	154612	154811	28.89	79.75	120°	
40	155102	155302	28.67	79.65	210°	Doing 210 kts runs over because of computer going off line earlier.
41	155501	155702	28.60	79.77	030°	
42	155801	160003	28.74	79.62	120°	
43	160221	160423	28.64	79.56	300°	

The 170 kt. runs were not done at 10,000 ft.

We are now descending to 4,000 ft.

44	161101	161302	28.62	80.19	230°	240 kts
45	161511	161711	28.60	80.34	050°	
46	161842	162042	28.67	80.10	140°	
47	162242	162422	28.64	79.94	320°	

The CU is still below us at a height of about 2500 ft.

~~The~~ The CU just on the coast is developing with some CB's and TCU's evident to the west.

48	162622	162821	28.72	80.14	230°	210 kts
49	163001	163202	28.70	80.24	050°	
50	163302	163501	28.78	80.07	140°	

Run	Time		Begin		Hdg.	Spd.
	In	Out	Lat.	Lon.		
51	163831	164012	28.83	80.01 80.01	320°	
52	164501	164702	28.77	80.29	230°	170 kts
53	164831	165031	28.75	80.37	050°	
54	165131	165331	28.81	80.23	140°	
55	165502	165702	28.78	80.13	320°	

This completes runs at 4,000 ft. Now descending to 1500 ft. for the final level. At this level we are in the clear with some haze along the shore. We have ① CU & ① HC above with some CB's inland.

56	170331	170531 170531	28.61	80.52	180°	240 kts
57	170712	170912	28.50	80.45	360°	
58	171022	171222	28.68	80.38	090°	
59	171402	171602	28.74	80.24	270°	
60	171701	171902	28.70	80.43	180°	210 kts
61	172041	172241	28.60	80.37	360°	
62	172342	172542	28. —	80. —	270°	
63	172732	172932	28.70	80.52	090°	

There are some showers over the Cape but as of yet none of the precip has moved out over the ocean.

64	173002	173302	28.65	80.35	180°	170 kts
65	173452	173652	28.57	80.38	360°	

Run	Time		Begin		Hdg.	Spd
	In	Out	Lat.	Long.		

The 180° heading at 170 kts. will have to be done again because the people on the ground didn't get a start time.

66	173834	173032	28.66	80.42	180°
67	174132	174332	28.54	80.37	090°
68	174502	174702	28.58	80.28	270°

End of runs

Flying at 14,000 ft. in and out of the AC along the shore line. Went through some precip at 1807Z. Out of the precip at 180742Z.

Began descending for landing at Miami at 181640Z.
Landed at 1831Z