

19920929 IL-FDIR

H. TINA (EPAC)

FLIGHT #1 I920929 Electrification

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	2
Temperature probe	1
Altitude change option (for vertical winds)	RA
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO3922.CON

Notes:

There were no time/data gaps.

Pitch and roll from INE1 were very noisy during the entire flight, thus those values were replaced with INE2 values.

A spike in dynamic attack pressure, DAP, was removed and patched over during the time frame 203200Z - 203400Z.

A spike in the APN159 radar altimeter was removed and patched over during the time frame 011500Z - 011700Z.

The value of total temperature one, TT1 was replaced with the value of total temperature two, TT2, if TT1 was less than TT2 during the following following time frames,

230320Z - 230525Z
232131Z - 232530Z
000300Z - 002100Z

A spike in TT1 was removed and patched over during 232800Z - 233000Z.

A spike in the dewpoint sensor, DW1, was removed and patched over between 185200Z - 185600Z.

The aircraft positions were not renavigated.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.

	Take off	Landing
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Aircraft static pressure	1010.8mb	1010.3mb

Corrected tower pressure

1011.8mb

1011.5mb

Flight Meteorologist: A. Barry Damiano

FLY ID: 1920929	FM: PVR	TO: PVR
FLY NO: 92-046	BLK IN: 0227Z	ATA: 0224Z
ETD: 1715Z	BLK OUT: 1751Z	ATD: 1759Z
ETE:	BLK TIME: 8:36	FLT TIME: 8:25
SPONSOR ORG: HRD	PROGRAM: HURRICANE RESEARCH	PURPOSE: ELECTRIFICATION IN HOTINA (EPAC)

OAO PERSONNEL

AC TURNER	SYS ENG ROLES
CP KENNEDY	DATA SYS LYNCH
NAV KOZAK	RADAR
FE BAST/MOORE	BT/ODW
RADIO SAN SOU CI	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
WILLIS	PI	
BLACK, M		
BLACK, B		
HOUSTON		

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OROWF2 FILE

FLT ID: I920929 TIME OFF: 1754Z TIME ON: 0224Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	SPS 1010.8 250 1010.9	29.88	PS 1010.1 SP 1010.0	29.87

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES	2	
HARD COPIES		
AXBT		
AXCP		
ODW	2	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS: BAL DPT1 165300Z 191500Z in CLR DPT2>>>DPT1

944MB 1702' 114059' 2019Z

945MB 1703' 2112Z 11509' all at 10K

945MB 1703' 11516' 945MB

2303Z TT1 med up 2322Z 000425 TT2 med up 2014 DPT2 20

230820Z WATX TT2

2341Z 1705' 115035' 23K ALT

2237Z 1704' 11523' 15K ALT

2311Z 1705' 11529' at 19K ALT

AT 24K ALT

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME		
TURNER	KUZAK	NV388	92-?	1758	PUR	9-29-92	Hurricane Research		
TIME OF ENTRY	POSITION	TYPE INE USED	INE #1 POSITION	LAT LON COR'S	INE #2 POSITION	LAT LON COR'S	ALT GS	TH TK	REMARKS
1705	2040.7N 10515.1W	4 2	2040.7N 10515.1W		2040.7N 10515.1W				Chalks
1750									Taxi
1758									TOT F
1826	2006.1 10709.5W	6PS 2	2005.8N 10709.7W	+1.3 +1.2	2005.6N 10710.0W	+1.5 -1.2	18K 256	252 251	Level off POF 2.9
1906	1920.6 10955.9W	6PS 2	1920.3N 10954.9W	+1.3 +1.0	1920.7N 10955.0W	-1.1 +1.9	18K 288	255 254	POF 3.6
1941	1823.0 11319.9W	6PS 2	1822.6N 11319.6W	+1.4 +1.3	1823.1N 11319.7W	-1.1 +1.2	18K 304	248 254	POF 2.9
2016	1702.1N 11459.6W	6PS 2	1702.0N 11458.3W	0 +1.3	1703.3N 11459.3W	-1.3 +1.3	10K 264	180 180	Tma POF 4.9
2112	1703.6N 11509.9W	6PS 2	1702.0N 11508.6W	+1.1 +1.4	1704.7N 11509.0W	-1.7 0	10K 261	260 260	Tma POF 3.7
2152	1703N 11515.6W	6PS 2	1702.0N 11514.9W	+1.0 +1.3	1705.1N 11514.3W	-2.6 +1.3	10K 257	030 030	Tma POF 2.4
2237	1704.1N 11522.6W	6PS 2	1704.1N 11521.5W	-1.1 +1.1	1707.3N 11522.0W	-3.3 +1.6	15K 265	240 240	Tma POF 3.1
2311	1706.0N 11529.1W	6PS 2	1705.3N 11526.7W	+1.7 +2.3	1710.8N 11526.7W	-4.2 +2.3	15K 271	230 230	Tma POF 3.3
2341	1705N 11534.6W	6PS 1	1704.5N 11533.3W	+1.5 +1.3	1709.8N 11535.4W	-4.8 -1.1	23K 306	260 260	Tma POF 3.1
ATC CLEARANCE:									
ENROUTE CLEARANCES:									
TYPE OF FIX: (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR (7) DOPPLER - INERTIAL (8) OMEGA (9) INERTIAL (10) OMEGA - INERTIAL									

PROPOSED T.O.	1800 6
ACTUAL T.O.	1754 6

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