U.S. Dept. of 0	Commerce / NO	AA / Aircraft Op	perations Center ADCWF1
FIT ID: 0312/0I	From: Kmcf 02		To: KMCF
Flt No: 04 - 0 \ 0	Blk In: 17512		ATA: 1742 Z
ETD: 1500Z	Blk Out: 1455 Z		ATD: 15042
ETE: 4:00	Blk Time: 2:58 (2.9)		Flt Time: 2. 7¢ (2 ()
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Part	ticipating Scient	ists / Visitors / /	40C
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NOAA P-3 N43RF SFMR COMPARISON



Flight ID: 031210I

Sensor or system	Number or Name
INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	1 (General Eastern)
Altitude (for vertical wind)	Radar Altimeter 159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage 1281
Time Source	Micro 99
Constants File	CO3034.CON

Notes:

There was one time/data gap during this flight which occurred between 170421Z and 170440Z.

From 150101Z-150400Z and from 174130Z-174500Z, Radar Altimeter 232 was used in place of Radar Altimeter 159.

There were a couple of times during the flight where the dewpoint temperature exceeded ambient temperature resulting in an RH>100%. This was likely due to heavy rain, a wet-bulb effect on the total temperature sensor, and/or an artificial warming of the dewpoint sensor as it tried to burn off excess moisture. Since the relative humidity values during these times never exceed 110%, no corrections were made to the data.

A spike in the dewpoint measurements due to sensor balancing between 151501Z and 152300Z was removed.

Otherwise, all instruments performed optimally during the flight.

The aircraft INE positions were renavigated with respect to GPS.

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.

It is recommended that these values be used for vertical wind analysis.

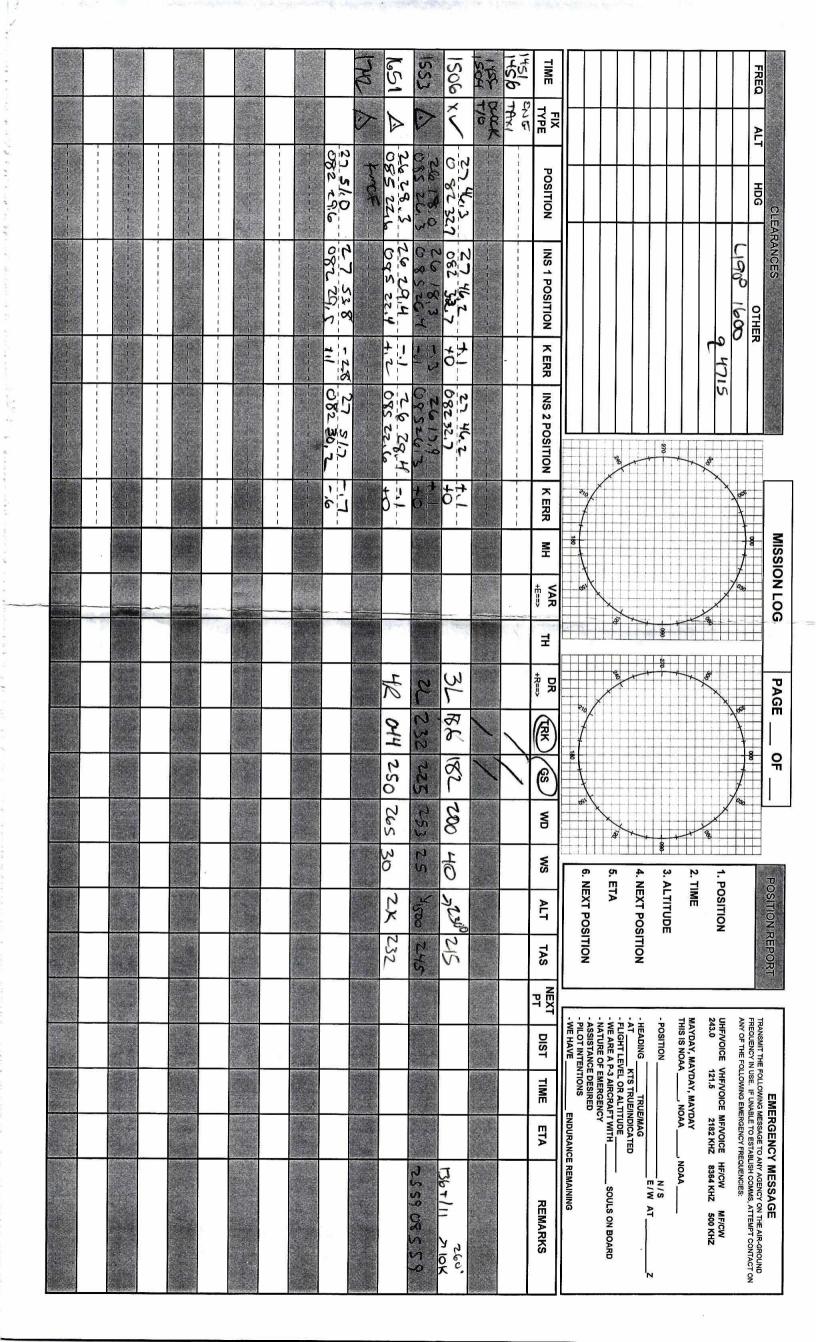
	Takeoff	Landing
Aircraft Static Pressure	1012.8 mb	1009.6 mb
Corrected Tower Pressure	1013.9 mb	1012.9 mb
Flight Director:	Martin Mayeaux	(813) 828-3310 ext. 3086

Revenue

Flight ID: 03/2/01

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center Form 413-50 2 250 ga Remarks Wind Wind Press. Geo. Sfc Press. Dyn. Time Long Hdg Spd Ta T_d Alt Alt Press. Press 150606 2746 8233 185 189 214 25.417.9 12.9 978 1131 1013.4 160 123/71.5 -25.8 3472 4023 10103 626.7 86.6 153833 2650 8436 232 238 270 35.11.6 160240 2549 8660 261 261 262 27 Start leg / 15k 160510 End kg 1 RX 1608352558 8608 81 82 264 28.8 20.9 17.4 432 448 1013.1 82.5 79.0 Startley 2 152 161105 2600 8550 5000 ft 1614302600 8554 255 255 255 292 196 9.6 1461 1523 10141 64.7 75.9 Shat insound 1 181700 End lors ctart outsaind 2 162020 2558 8604 670 073 250 321 162250 2102 4550 162840 2608 8556 160 168 250 297 Start cross1 16334 2549 8578 SNE CIOSSI 163640 2548 8547 340 334 249 28.6 Start crosse 164140 2606 8554 Enderossa 164155 Tun 5 dyrer 164225 Enstrin5 For 10 degree End 10 degree 15 degree Cod 15 degree 164230 164300 16435 164345 164400 Zu dance Enzokeya 164480 Science 1703102 304 26.2 14.9 13.6 129/ 1342 1015 8582 75.4 170412 2711 8449 21 20

30 Secured Solution of 1520



NOAA FORM 56-49 (2-95) U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
AIRCRAFT OPERATIONS CENTER 2 ₽ 上 mes BLOVD LAT/LON Boy DESTINATION KMCF MISSION PREFLIGHT LOG RTE MISSION <u>S</u> ₩ F==> 뒾 8 TIME 80 NAVIGATOR ‡ **₽** ASSE FULL TRK 不 GS 35 AIRCRAFT COMMANDER 1823833 ₽ いてもわ NS. ALT FLIGHT DIRECTOR 17 MINO TAS LEG/TOT LEG/TOT PROP SCHEDULED / ACTUAL TAKEOFF Z DATE OF TAKEOFF 1200E/ 1200E/ ETA ATA 10 Dec 03 REMARKS RADIAL START NAV ALIGN STATUS (0-5) BEGIN ALIGN TIME END NAV RGS REMARKS DELTA LAT DELTAT DELTA LON INS PERFORMANCE TERMINAL ERRORS 1200 0571 2 +52 252 られて INS 1 INS 2 W INS 1 0 N \mathcal{N} .1 1, 560 0541 いか INS 2 0