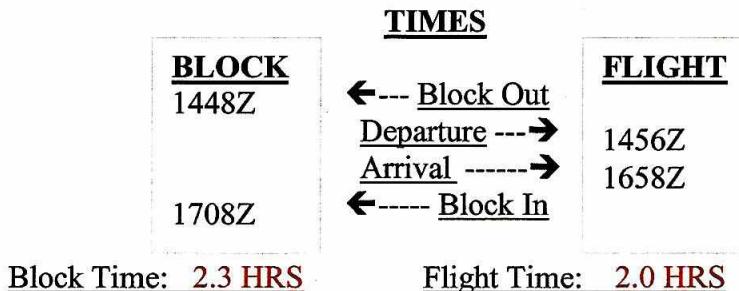


G-IV Flight Summary For Flight #03-016

Mission ID: 030103n(test)



Sponsor Org: Calibration
Program: Winter Storms '03

From/To: KMCF/KMCF
Purpose: Instrument Test Flight

Flight Directors: Paul Flaherty - (813) 828-3310 x 3094 - paul.flaherty@noaa.gov
Jack Parrish
AOC Crew: Finke, Finn, Poston, Brogan, Hill, Smith, Hornbrook
Visitors: None

<u>PRESSURE</u>		
Aircraft (mb)	<u>Take off</u> 1018.1	<u>Landing</u> 1017.6
Wx Station	A3005	A3008

Total Number of GPS Dropwindsondes: 4 (1 had no pressures)
Number of Flight Level Tapes Received: 1
Back up Data (i.e. CD/Lacie Hard Drive): CD

Mission Remarks:

This flight was a pre-Winter Storms test flight. The goal was to ensure all sensors were working properly, and to test out communications. ASPEN was also run from R1 and R2 to ensure no problems. Also, drop locations over buoy's were selected to compare RH readings of the buoy's to the dropsondes. Drops 3 + 4 were dropped 2 minutes apart as well to compare RH readings.

Changes to/from depend table:

None

Comments about aircraft sensors:

All sensors appear to have functioned properly with only minor spikes and deviations. These spikes and deviations were typically reflected in either the pitch, roll, or sideslip of the aircraft. There was one issue between WS and IWS/IWS_PITR between 1553 + 1558. It matched perfectly with a 100 degree change in aircraft heading during the same time period.

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF1

Flt ID: 030103n	From: KMCF	To: KMCF
Flt No: 03-16	Blk In: 1708	ATA: 1658
ETD: 15Z	Blk Out: 1448	ATD: 1456
ETE: 2 HRS	Blk Time: 2.3	Flt Time: 2.0
Sponsor Org: CAL	Program: WINTER STORMS	Purpose: TEST FLT

AOC Personnel

AC:	FINCE	Sys Eng:	HILL
CP:	FINN / POSTON	Data Sys:	BROGAN
Nav:		Radar:	SMITH
FE:		GPS/BT:	
FD:	FLAHERTY / PARTRISH	Cld Phys:	
Avionics:	HORNBOOK		

Participating Scientists / Visitors / AOC

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

Flight ID: 030103n

Page 1 of 1

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Form 413-50

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF2

Flt ID:	030103n	Time Off:	1956	Time On:	1658
	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)		Wx Station (Land)
Pressure	1018.1	A 3005	1017.6		A 3008

	Number	Data Disposition / Date / Quality
--	--------	-----------------------------------

Flt Lvl Tapes	1	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	4	

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

1 SONDE AND NO PRESSURES

Flight ID 030103 n

FAHSE

Flight Director

Mission ID: WEEK A Storm: TRAIN

N49RF AOC GPS Dropwindsonde Log

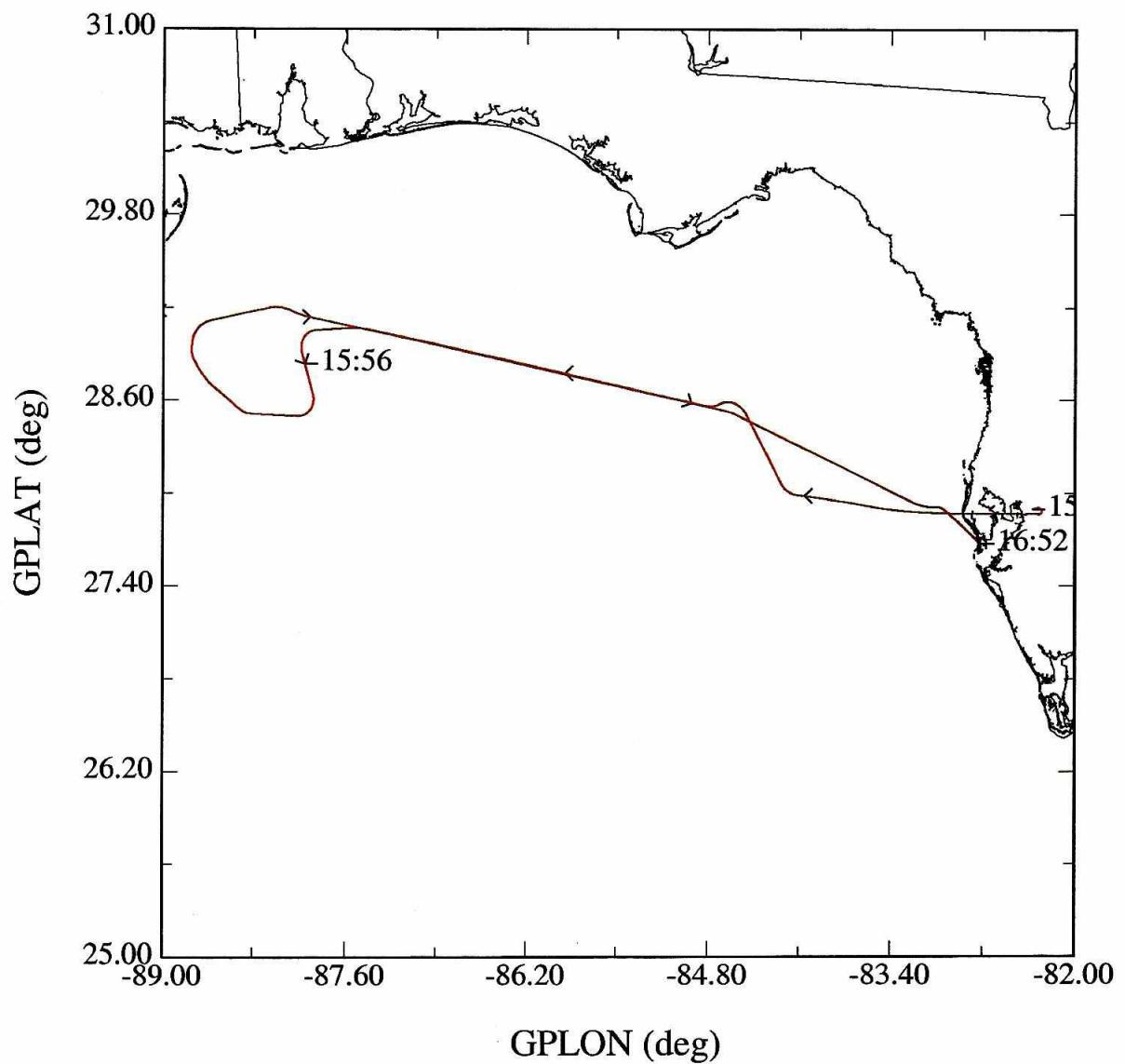
Page 1 of 1

Page 1 of 1

Drop #	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Send Time (UTC)
1	025045251	152640	29.57	-01.72	1020	low stratus	sec words 2015	1		1558
2	02518182	152650	29.57	-01.72	1020	low stratus	no messures			
3	025018185	161150	29.17	-02.32	1024	low stratus	2015 sfc	2		1639
4	025045251	161152	29.17	-02.32	1023	low stratus	2015 sfc	3		1645

WinterStorms_2002, Flight #tf01

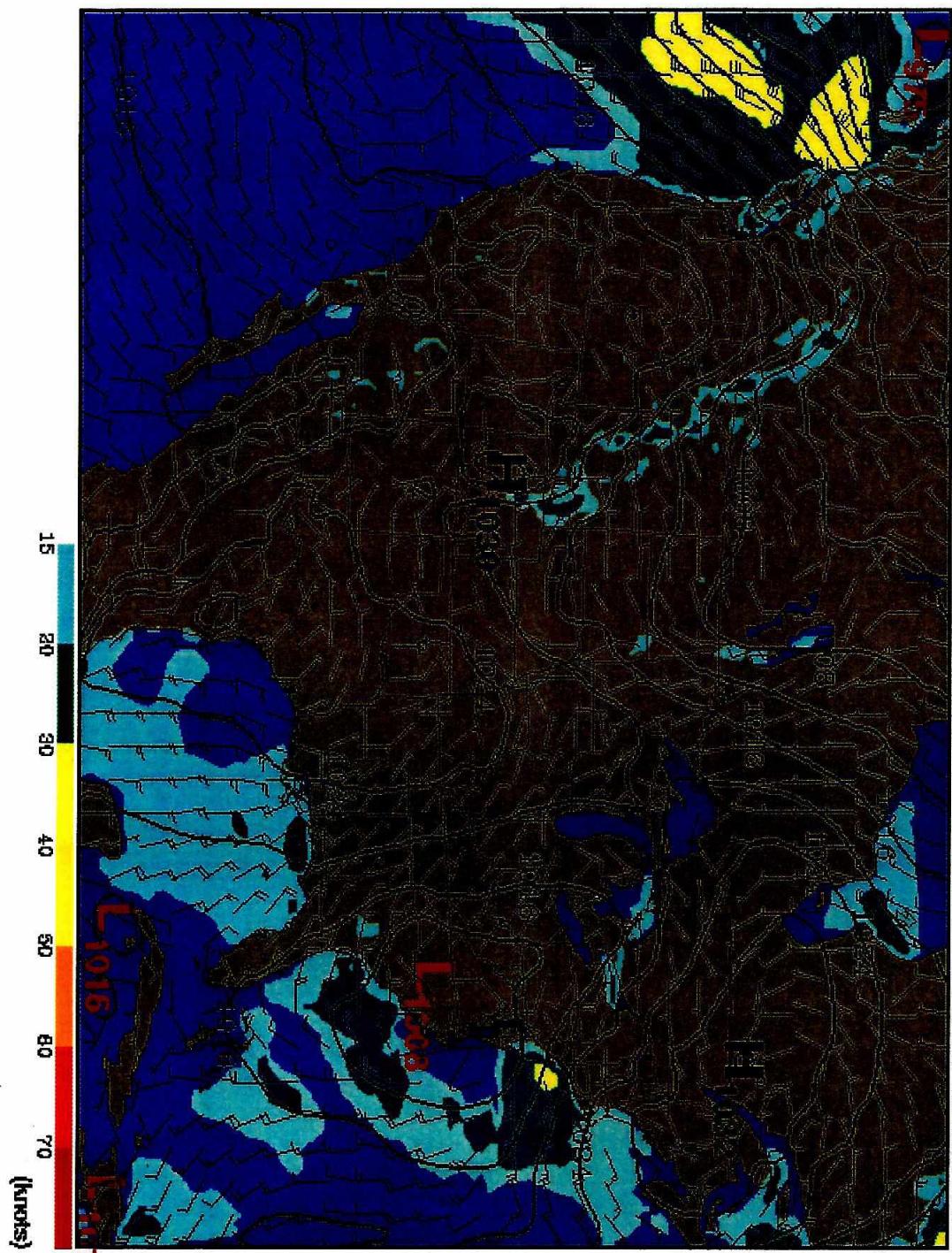
01/03/2003 UTC, 15:00:00-16:52:30



	mean	sigma	min	max
GPLAT (deg), 1 s/sec	28.52	0.44	27.67	29.21
GPLON (deg), 1 s/sec	-85.55	1.96	-88.78	-82.25

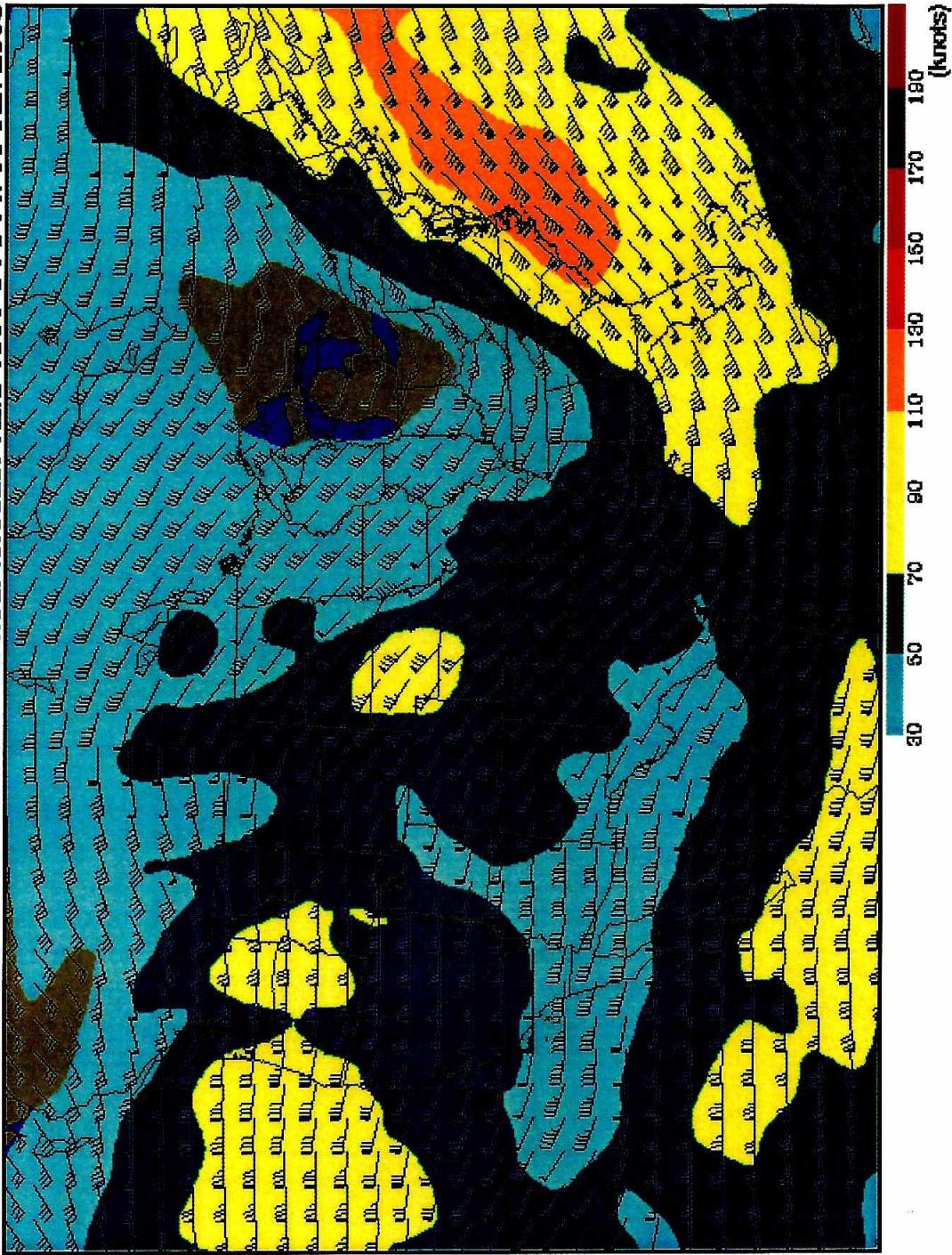
MSLP (mb) / Surface Wind speed (kts)

06 hour forecast valid 1500 UTC Fri 03 Jan 2003

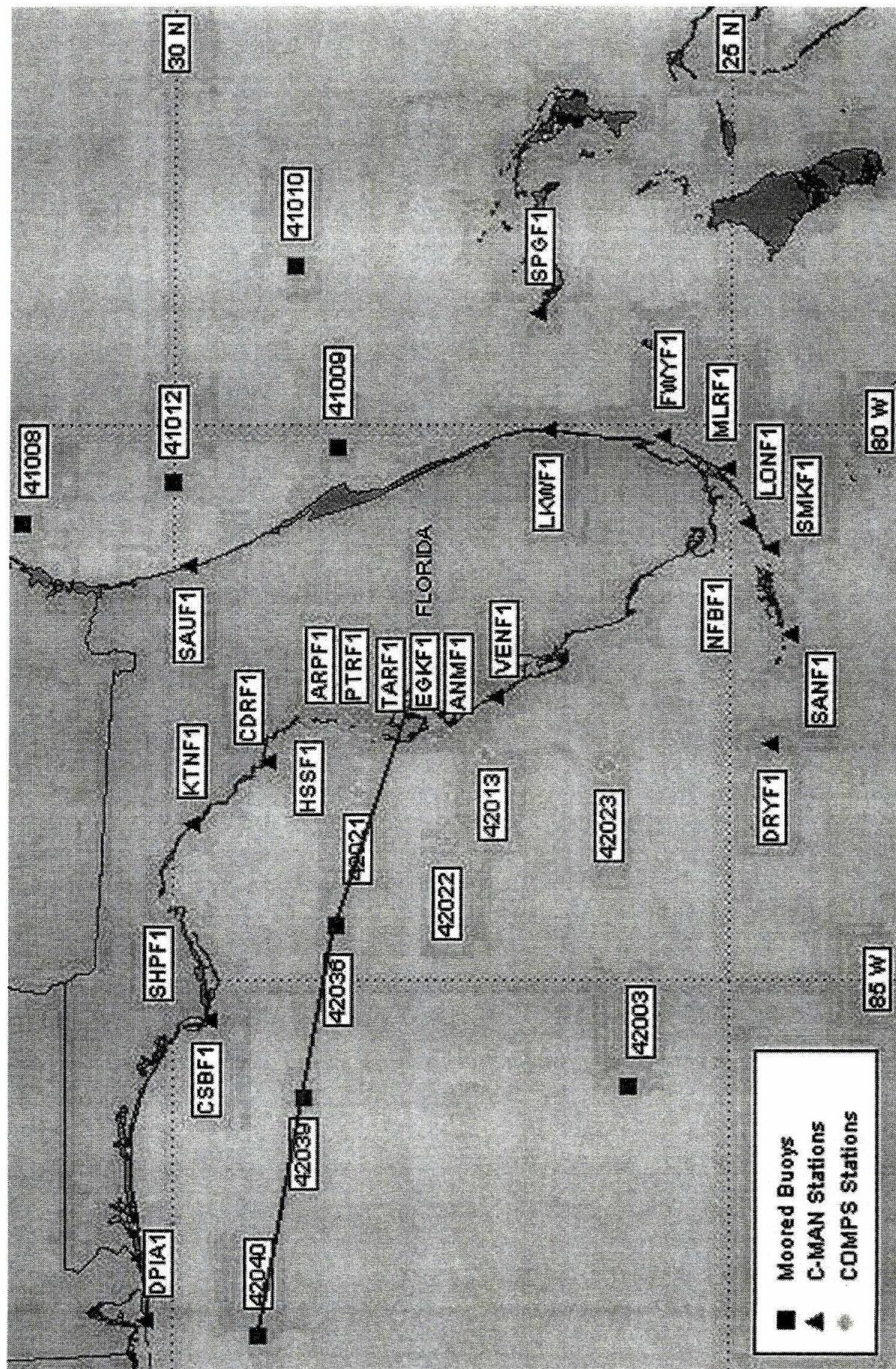


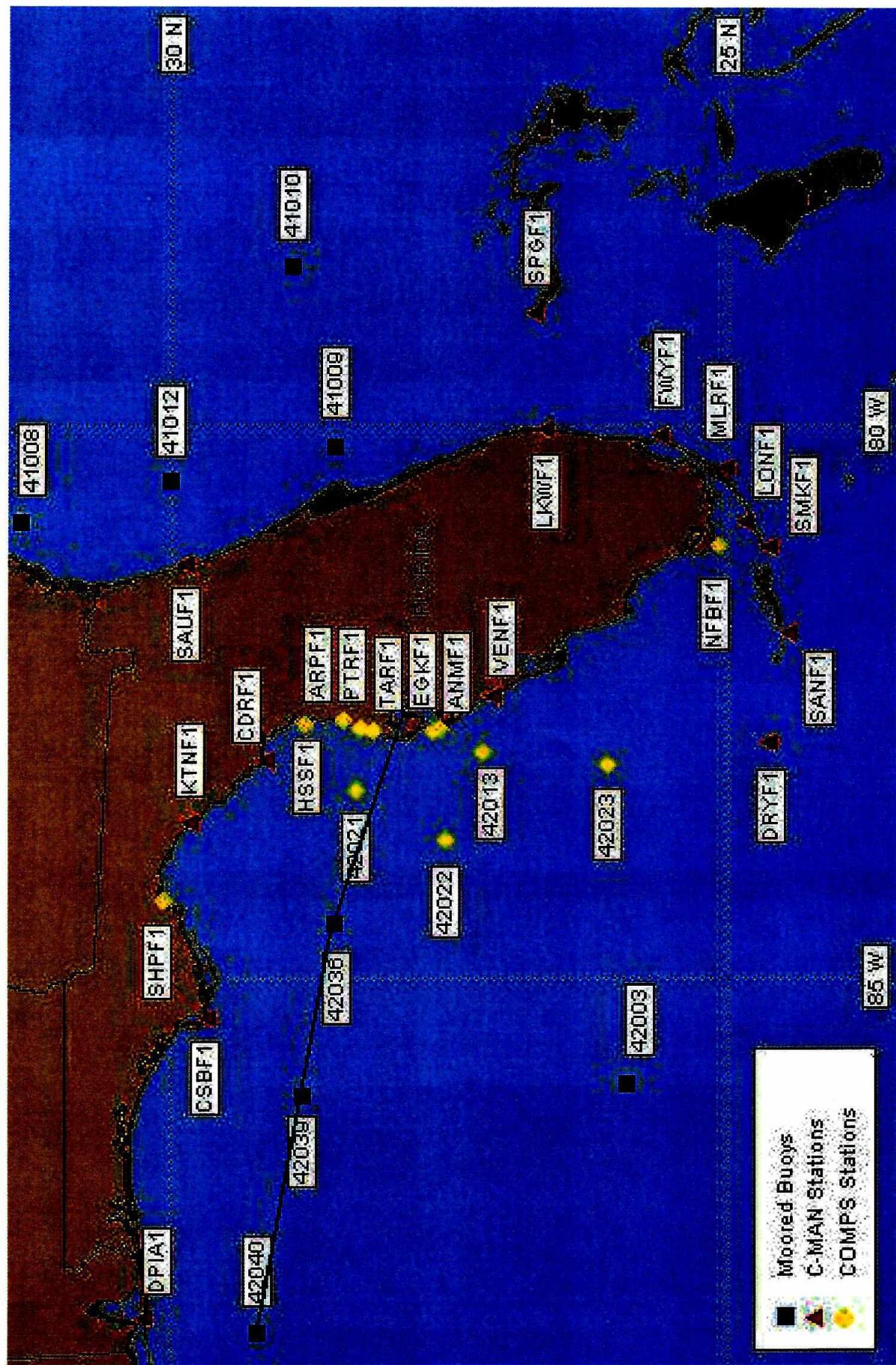
Wind speed (kts) at 42,000 ft MSL (175 mb)

06 hour forecast valid 1500 UTC Fri 03 Jan 2003

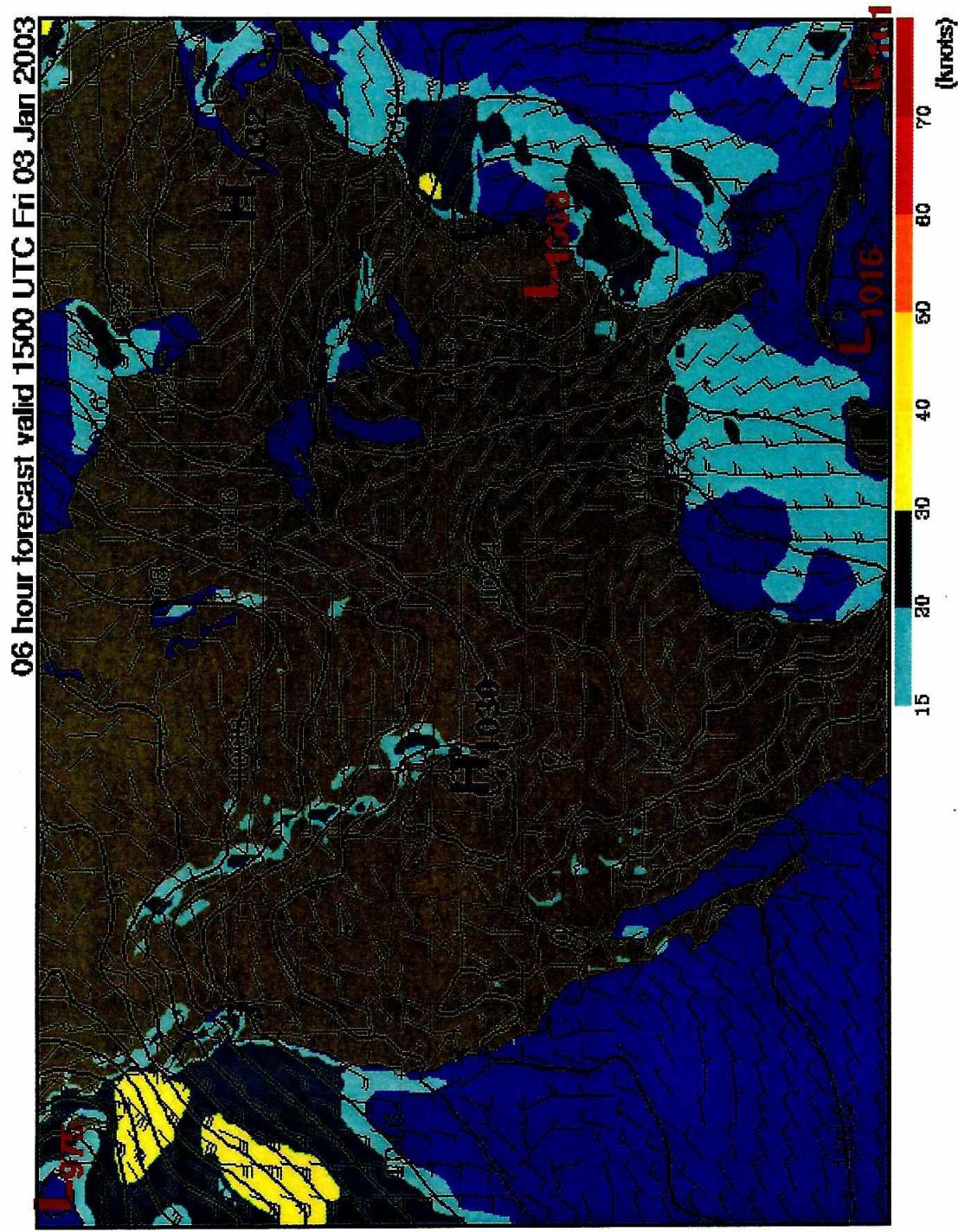


ADDS temp/wind charts supplement, but do not substitute for, the official winds and temperatures aloft forecast contained in the FD product.

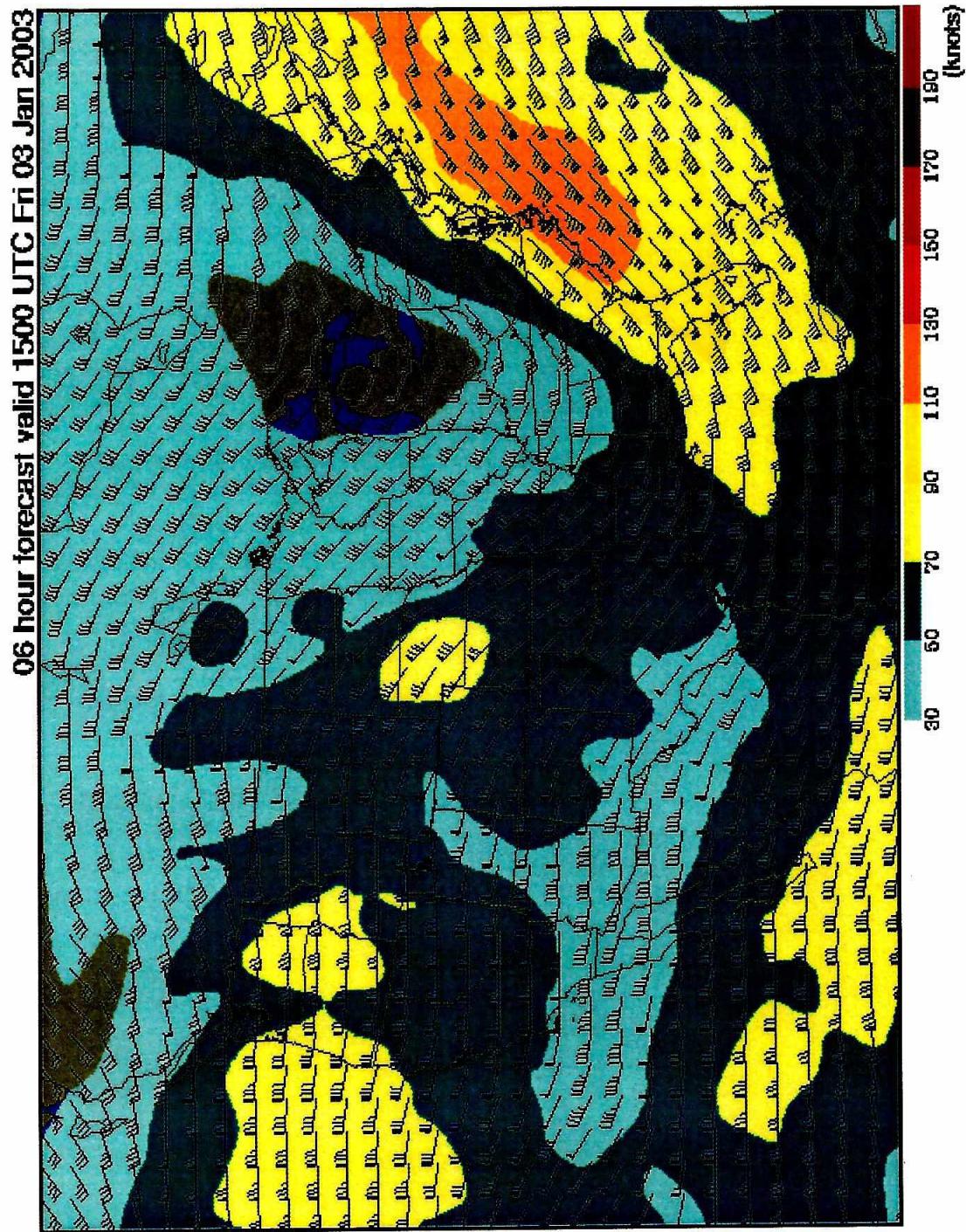




MSLP (mb) / Surface Wind speed (kts)



Wind speed (kts) at 42,000 ft MSL (175 mb)



ADDS temp/mind charts supplement, but do not substitute for, the official winds and temperatures aloft forecast contained in the FD product