

19981027I1-DROPS

HRD Dropwindsonde Scientist Log (Revised 7/98)

Storm NITCH
 Flight ID 981027I
 Mission ID WX13A NITCH

Dropsonde Scientist(s) FRANKLIN
 AVAPS Operator(s) CARPENTER

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 Takeoff 184920 UTC
 Landing 025945 UTC

Drop #	Sonde ID	Time (UTC)	Lat (°)	Lon (°)	Press (mb)	GAIt (m)	T (°C)	TD (°C)	WD/WS (kt)	Comments	Prc ?	Xmt ?
1	983310025	202333	21.98	85.5	504.4						✓	017
6	TEAL 27	1920Z	16 ⁴⁹	85 ³⁴	928				130 kt	TEAL FIX	N/A	N/A
2	983410124	212858								SST = 28 FROM MAX 1ST NW EYE WALL 95 kt sp	✓	V26
3	983310027	213313								EYE 931	✓	28
6	N43 FIX	2133	16 ⁴²	85 ³⁶						N43 FIX	NA	NA
6	981040049	213635								SE WALL/CLIPPED 108 kt @ 280 m NO SIZE	✓	31
5	983310121	213912								SE WALL/CLIPPED	—	—
6	983340064	215318								SON MED 9	—	—
7	983340066	220331								E WALL 1	—	—
8	983340078	220355								E WALL 2 size 109 kt sp	✓	033
9	974530045	220422								E WALL 3	✓	043
10	981040046	221223								W WALL - FEW WINDS	—	—
11	982720392	222105								SON NW	—	—
12	983410111	223448								NOT CLOSE 29° SST SW WALL - PARTIAL	—	—
6	N43 FIX	2240	16 ³⁸	85 ³⁵						NE WALL 1	NA	NA
13	983310050	224251								NE WALL 2 90 m sp	—	—
14	974910010	224311								NE WALL 3	—	—
15	983410045	224331								130 kt sp	✓	047

ALL SONDES BURNED 10/26

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Storm MITCH
Flight ID 981027 I
Mission ID WX13A MITCH

Dropsonde Scientist(s) FRANKLIN
AVAPS Operator(s) _____

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Takeoff _____ UTC
Landing _____ UTC

Drop #	Sonde ID	Time (UTC)	Lat (°)	Lon (°)	Press (mb)	GAIt (m)	T (°C)	TD (°C)	WD/WS (kt)	Comments	Prc ?	Xmt ?
16	983840047	230601								N WALL		
17	983410106	230632								N WALL	✓	079
18	983310142	230730								N WALL		
19	N13 FIX	23112	16 ³⁶	85 ³⁶								
19	983310127	231351								S WALL GOOD	✓	062
20	981810013	232126								50 NM S		
21	983340068	233546								SE WALL		
22	983340089	233635								SE WALL		
23	983340063	233712								SE WALL	✓	066
24	982720319	233952								S	✓	77
25	972630028	234436								NOW WALL 122 ^{1st} sfc	✓	67
26	982410126	001452								inside eye		
27	983340065	001608	16 ³²	85 ³⁵	← FIX LOC.					center eye		
28	983310183	001708								inside eye		
29	982720393	001759								while turning in eye		
30	983710113	001903								N WALL	✓	78
31	981040005	003142								OUTER WALL?	✓	82



REAL-TIME ENVIRONMENTAL APPLICATIONS AND DISPLAY SYSTEM
<http://www.arl.noaa.gov/ready.html>



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WTNT33 KNHC 271800

TCPAT3

BULLETIN

HURRICANE MITCH INTERMEDIATE ADVISORY NUMBER 24A

NATIONAL WEATHER SERVICE MIAMI FL

1 PM EST TUE OCT 27 1998

...MITCH WEAKENS BUT REMAINS AN EXTREMELY DANGEROUS
SLOWLY-MOVING HURRICANE...

A HURRICANE WARNING REMAINS IN EFFECT FOR THE CARIBBEAN COAST OF
HONDURAS...GUATEMALA...BELIZE...THE YUCATAN PENINSULA OF MEXICO FROM
CABO CATOCHE SOUTHWARD...AND FOR SWAN ISLAND. THE TROPICAL STORM
WARNING FOR THE CAYMAN ISLANDS IS CHANGED TO A TROPICAL STORM WATCH.

INTERESTS IN THE NORTHWESTERN CARIBBEAN SEA SHOULD CLOSELY MONITOR
THE PROGRESS OF THIS EXTREMELY DANGEROUS HURRICANE.

AT 1 PM EST...1800Z...THE CENTER OF HURRICANE MITCH WAS LOCATED NEAR
LATITUDE 16.9 NORTH...LONGITUDE 85.4 WEST OR ABOUT 125 MILES...240
KM...NORTHEAST OF LA CEIBA HONDURAS AND ABOUT 80 MILES...150 KM...
NORTH OF THE NEAREST HONDURAS COAST.

MITCH IS MOVING SLOWLY...TOWARD THE WEST-SOUTHWEST NEAR 6 MPH...9
KM/HR ...AND A SLOW WEST-SOUTHWEST TO WESTWARD MOTION IS EXPECTED TO
CONTINUE FOR THE NEXT 24 HOURS.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 155 MPH...250
KM/HR...WITH HIGHER GUSTS. THIS IS A CATEGORY FOUR ON THE
SAFFIR/SIMPSON HURRICANE SCALE. SOME ADDITIONAL WEAKENING MAY OCCUR
TODAY OR WEDNESDAY...BUT MITCH IS EXPECTED TO REMAIN AN EXTREMELY
DANGEROUS HURRICANE.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES... 95 KM...
FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP
TO 175 MILES...280 KM.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 928 MB...27.40 INCHES.

RAINFALL TOTALS OF 10 TO 15 INCHES ARE POSSIBLE OVER THE MOUNTAINS
OF HONDURAS AND OTHER PARTS OF CENTRAL AMERICA. THESE RAINS COULD
CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

DANGEROUS COASTAL FLOODING FROM STRONG ONSHORE WINDS AND DANGEROUS
BATTERING WAVES IS OCCURRING OVER MUCH OF THE NORTHWEST CARIBBEAN.
THE COAST OF HONDURAS...SWAN ISLAND AND THE CAYMAN ISLANDS...AND
ELSEWHERE ALONG AS WELL AS ELSEWHERE IN THE NORTHWEST CARIBBEAN AREA

REPEATING THE 1 PM EST POSITION...16.9 N... 85.4 W. MOVEMENT TOWARD
... WEST-SOUTHWEST NEAR 6 MPH. MAXIMUM SUSTAINED WINDS...155 MPH.
MINIMUM CENTRAL PRESSURE... 928 MB.