



MIAMI-SOUTH FLORIDA

National Weather Service

Forecast Office

<http://www.weather.gov/miami>

ISSUED: 445 PM EST WED DEC 12 2012

HEAVY RAINFALL IMPACTS PARTS OF SOUTH FLORIDA MONDAY NIGHT AND TUESDAY EVENING

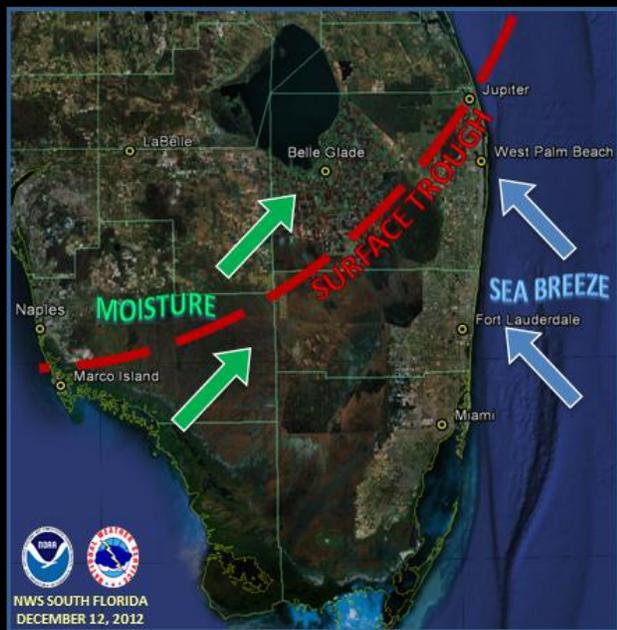
AN UNUSUALLY MOIST AND UNSTABLE AIRMASS WAS IN PLACE ACROSS SOUTH FLORIDA MONDAY NIGHT AND TUESDAY. CONVERGENCE ALONG A SURFACE TROUGH, IN ADDITION TO AN UPPER-LEVEL IMPULSE, RESULTED IN LOCALLY HEAVY RAINFALL ACROSS PORTIONS OF SOUTH FLORIDA. RAINFALL BECAME EXCESSIVE AT SOME LOCALES, LEADING TO STREET FLOODING AS WELL AS SOME FLOODING OF HOMES AND BUSINESSES.

THE HEAVY RAIN CONCENTRATED ACROSS SOUTHWESTERN COLLIER COUNTY MONDAY NIGHT INTO TUESDAY MORNING, AFFECTING THE GREATER NAPLES AREA. ON TUESDAY AFTERNOON AND EVENING, THE HEAVY RAIN FOCUSED ACROSS NORTHEASTERN PALM BEACH COUNTY, HITTING THE JUPITER AREA HARDEST.



A WET COMBINATION!

What caused the wet weather?



Highlights

- Three features led to heavy rainfall:
 - High moisture
 - Surface trough
 - Sea breezes
- Localized flooding occurred where features combined
 - Southwest Collier County (Monday Night)
 - Northeast Palm Beach County (Tuesday Evening)
- Max rainfall: 10.75" (Jupiter Heights)

NOAA NWS SOUTH FLORIDA DECEMBER 12, 2012

HERE IS A LIST OF THE HIGHEST RAINFALL TOTALS FROM MONDAY NIGHT THROUGH TUESDAY EVENING.

HIGH RAINFALL TOTALS (DECEMBER 11-12TH, 2012)

<i>LOCATION</i>	<i>RAINFALL TOTAL</i>	<i>SOURCE</i>
JUPITER HEIGHTS	10.75"	WEATHER UNDERGROUND
JUPITER (PENNOCK LN & INDIANTOWN RD)	8.82"	WEATHER UNDERGROUND
JUPITER (CENTER ST & LOXAHATCHEE)	8.14"	WEATHER UNDERGROUND
JUPITER MIDDLE SCHOOL	7.99"	WEATHERBUG
JUNO BEACH (SEMINOLE GOLF CLUB)	7.22"	NWS COOP
JUPITER (INDIAN CREEK PARK)	6.49"	WEATHER UNDERGROUND
JUPITER INLET LIGHTHOUSE	6.45"	WEATHERBUG
EAST NAPLES (TAMIAMI TRAIL & SANDPIPER DR)	5.94"	WEATHER UNDERGROUND
PALM BEACH GARDENS (PGS BLVD & U.S. 1)	4.98"	WEATHER UNDERGROUND
JUPITER (INDIANTOWN RD & I-95)	4.83"	SFWMD ESTIMATE
NORTH PALM BEACH (J.D. McARTHUR STATE PARK)	4.20"	WEATHERBUG
6 MI E U.S. 1 & COLLIER BLVD	4.17"	NWS EMPLOYEE
EAST NAPLES (TAMIAMI WEST OF COLLIER BLVD)	3.98"	WEATHER UNDERGROUND
PALM BEACH COUNTY ESTATES	3.68"	WEATHER UNDERGROUND
PALM BEACH GARDENS (WATSON MIDDLE SCHOOL)	3.44"	WEATHERBUG
MARCO ISLAND	3.35"	NWS COOP
PALM BEACH GARDENS (PGA NATIONAL GOLF CLUB)	3.20"	NWS COOP
PALM BEACH GARDENS (MILITARY TRAIL)	2.10"	WEATHER UNDERGROUND