



# FLORIDA KEYS

## National Weather Service

### Forecast Office

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### **5<sup>TH</sup> WETTEST JULY IN PAST 3 DECADES FOR PARTS OF FLORIDA KEYS NEAR-NORMAL MONTHLY AVERAGE TEMPERATURES FOR KEY WEST/MARATHON**

JULY 2010 HAS ENTERED THE RECORD BOOKS AS THE 5TH WETTEST IN THE PAST THREE DECADES FOR KEY WEST...AND THE 5TH WETTEST JULY SINCE 1982 FOR THE DUCK KEY/MARATHON AREA. KEY WEST INTERNATIONAL AIRPORT RECORDED 6 INCHES OF RAINFALL LAST MONTH...WHICH WAS 2.73 INCHES ABOVE THE NORMAL VALUE OF 3.27 INCHES. THE FLORIDA KEYS MARATHON AIRPORT ENDED THE MONTH UP 1.18 INCHES...COMPARED TO THE NORMAL 3.30 INCHES...WITH A TOTAL OF 4.48 INCHES OF RAINFALL.

THE WETTEST JULY ON RECORD FOR KEY WEST IN THE PAST 30 YEARS WAS 1997 WHEN 6.90 INCHES WAS MEASURED...AND THE WETTEST SINCE 1871 WAS 1947 WITH 13.64 INCHES OF RAINFALL. FOR THE DUCK KEY AREA THE WETTEST JULY ON THE BOOKS...WITH RECORDS DATING BACK TO 1982...WAS 1988 WHEN 6.78 INCHES WAS RECORDED. MARATHON ASOS DATA GOES BACK TO 2004 AND THE WETTEST JULY SINCE THEN REMAINS 2006 WITH 8.02 INCHES.

THE RECORD FOR WETTEST JULY ON RECORD COULD HAVE BEEN THREATENED ON THE 23RD OF JULY AS TROPICAL STORM BONNIE MADE ITS WAY TOWARD THE KEYS AND SOUTH FLORIDA. AS BONNIE APPROACHED THE AREA IT BECAME LESS ORGANIZED AND THE TRACK SHIFTED FURTHER NORTH...BRINGING HIGHER AMOUNTS OF RAINFALL TO THE SOUTH FLORIDA AREA MORE SO THAN THE KEYS ISLAND CHAIN. PRECIPITATION AMOUNTS FROM BONNIE ACROSS THE ISLANDS RANGED FROM MANY KEYS REMAINING DRY TO LESS THAN A THIRD OF AN INCH REPORTED ON CUDJOE KEY.

AVERAGE MONTHLY TEMPERATURES WERE 84.3 AND 84.1 DEGREES FAHRENHEIT FOR THE KEY WEST AND MARATHON AIRPORTS RESPECTIVELY. THESE AVERAGES KEPT KEY WEST JUST 0.2 DEGREES AND MARATHON 0.1 DEGREES BELOW NORMAL FOR THE MONTH. NEAR NORMAL AVERAGES FOR BOTH AIRPORT SITES...LED TO ONLY ONE RECORD TEMPERATURE BEING SET OR TIED IN THE MONTH OF JULY. A NIGHTTIME TEMPERATURE OF 84 DEGREES ON THE 17TH ALLOWED KEY WEST TO TIE THE PREVIOUS RECORD SET IN 1991.

BELOW ARE PRELIMINARY RAINFALL TOTALS FOR JULY ALONG THE KEYS ISLAND CHAIN...COMPARING 2010 TO 2009 AND THE DEPARTURES FROM NORMAL VALUES WHERE AVAILABLE.

**JULY 2010 RAINFALL TOTALS/DEPARTURE FROM NORMAL/2009 IN INCHES**

<b>Station – Station Type</b>	<b>2010</b>	<b>Dep. fm Normal</b>	<b>2009</b>	<b>Dep. fm 2009</b>
Dry Tortugas National Park – <i>COOP*</i>	0.93		1.30	-0.37
Key West WFO – <i>NWS</i>	5.88	+2.61	3.83	+2.05
Key West International Airport – <i>ASOS</i>	6.00	+2.73	2.16	+3.84
Big Coppitt Key – <i>CoCoRaHS</i>	4.18		2.53	+1.65
Cudjoe Key – <i>CoCoRaHS</i>	5.09		2.69	+2.40
Bahia Honda State Park – <i>COOP</i>	5.59		4.80	+0.79
Florida Keys Marathon Airport – <i>ASOS</i>	4.48	+1.18	2.91	+1.57
Curry Hammock State Park – <i>COOP</i>	4.46	+1.16	1.41	+3.05
Duck Key – <i>COOP*</i>	4.57	+1.27	4.30	+0.27
Islamorada – <i>COOP</i>	6.30		2.94	+3.36
John Pennekamp State Park – <i>COOP</i>	3.03		6.95	-3.92
Key Largo – <i>CoCoRaHS</i>	5.37		4.62	+0.75

\*INCOMPLETE TOTAL FOR DRY TORTUGAS...14 DAYS MISSING.

\*INCOMPLETE TOTAL FOR DUCK KEY...9 DAYS MISSING.

NORMAL VALUES FOR KEY WEST LOCATIONS ARE THE AVERAGE OF 1979-2000 AT THE KEY WEST INTERNATIONAL AIRPORT...AND FOR THE MARATHON AREA THEY ARE THE AVERAGE SPANNING 1982-2004 AT DUCK KEY. RECORDS ARE NOT YET TRACKED AT THE MARATHON AIRPORT DUE TO THE SHORT PERIOD OF ASOS DATA.