

The remnants of Hurricane Ida made landfall as a tropical storm along the U.S. Gulf Coast (near the Alabama-Florida border) on Tuesday morning, November 10, 2009. Tropical Storm Ida weakened quickly after landfall and was soon absorbed by a frontal boundary advancing toward the southeast U.S. Coast. By Thursday morning, the remnant low was located near the North Carolina coastal waters. The interaction between this low and a strong high pressure system located over eastern Canada produced an intense pressure gradient over the mid-Atlantic region, including New Jersey and Delaware, which persisted for several tide cycles, from Thursday morning through most of Saturday.

Wind gusts up to 60 MPH were reported along the Delaware coast Thursday afternoon, with gusts up to 50 MPH reported along the southern New Jersey coast. A wind gust of 60 MPH was also reported at the Delaware Bay Buoy (44009), located 26 NM SE of Cape May. Even more impressive was the prolonged period of strong onshore winds (34 KT or greater) which persisted for more than 30 hours in some locations.

Location	Period of sustained winds >= 34kt (hrs)	Peak Gust (kt)
Sea Girt, NJ	31	38
Harvey Cedars, NJ	32	47
Atlantic City, NJ	40	46
Lowes Twp, De	50	50

The combination of the prolonged northeast flow, a long fetch, and the proximity of a new moon on November 16th, produced large wave heights and strong wave action at the shore. Severe beach erosion occurred along both the New Jersey and Delaware coasts. Moderate to severe tidal flooding also occurred along both the Atlantic coast and the back bays. Flooding on some barrier islands was worse on the bay side than on the ocean side because of the build-up of water between tide cycles. Heavy rain was confined to Delaware and sections of southern New Jersey where it exacerbated flooding problems in those areas. The National Weather Service Forecast Office in Mount Holly, NJ prepared a complete recap of storm impacts including damage hot spots, buoy data and comparisons to other storms.

Location	Highest Water Level (MLLW) (ft)	Departure (ft)	Date/Time
Lewes, DE	7.88	3.2	6:24AM Nov 13
Cape May, NJ	8.20	2.7	5:36AM Nov 13
Atlantic City, NJ	7.57	2.9	4:12AM Nov 13
Sandy Hook, NJ	7.88	2.3	5:36AM Nov 14

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NOUS41 KPHI 132207

PNSPHI

DEZ001>004-MDZ008-012-015-019-020-NJZ001-007>010-012>027-

PAZ054-055-060>062-067>071-140600-

PUBLIC INFORMATION STATEMENT

SPOTTER REPORTS

NATIONAL WEATHER SERVICE MOUNT HOLLY NJ

507 PM EST FRI NOV 13 2009

THE FOLLOWING ARE UNOFFICIAL OBSERVATIONS TAKEN DURING THE PAST 48 HOURS FOR THE STORM THAT HAS BEEN AFFECTING OUR REGION. APPRECIATION IS EXTENDED TO COOPERATIVE OBSERVERS AND SKYWARN SPOTTERS FOR THE REPORTS. THIS SUMMARY IS ALSO AVAILABLE ON OUR HOME PAGE AT WEATHER.GOV/PHI

*****STORM TOTAL RAINFALL*****

LOCATION	STORM TOTAL RAINFALL	TIME/DATE	COMMENTS
	(INCHES)		

DELAWARE

...KENT COUNTY...

SMYRNA	2.95	700 AM 11/13	2.7 SE
DOVER AFB	2.63	700 AM 11/13	

...SUSSEX COUNTY...

GREENWOOD	2.66	700 AM 11/13	
BETHANY BEACH	2.55	700 AM 11/13	

MARYLAND

...CAROLINE COUNTY...

FEDERALSBURG	3.30	700 AM 11/13	
GREENSBORO	2.68	700 AM 11/13	1.4 ENE
DENTON	2.60	700 AM 11/13	5.8 WSW

...QUEEN ANNE'S COUNTY...

STEVENSVILLE	1.87	700 AM 11/13	
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...TALBOT...

EASTON	3.01	700 AM 11/13	2.4 SE
BELLEVUE	3.00	700 AM 11/13	0.3 NNE
EASTON	2.95	700 AM 11/13	2.9 NNE
EASTON	2.59	700 AM 11/13	1.1 SW
EASTON	2.55	700 AM 11/13	1.2 SSW
ST. MICHAELS	1.80	700 AM 11/13	0.7 NNW

NEW JERSEY

...ATLANTIC COUNTY...

ATLANTIC CITY CG 3.59 700 AM 11/13
 ATLANTIC CITY MARINA 3.39 700 AM 11/13
 ATLANTIC CITY INTL 1.68 700 AM 11/13
 ESTELLE MANOR 1.62 700 AM 11/13 4.0 WNW
 FOLSOM 1.59 700 AM 11/13 3.2 SE
 BUENA VISTA 1.51 700 AM 11/13 2.6 NE
 HAMMONTON 1.40 700 AM 11/13 3.3 WSW
 FOLSOM 1.28 700 AM 11/13

...BURLINGTON COUNTY...

INDIAN MILLS 1.00 700 AM 11/13

...CAPE MAY COUNTY...

SEAVILLE 2.69 900 AM 11/13
 GREEN CREEK 2.33 900 AM 11/13
 LOWER TWP 2.22 700 AM 11/13 2.2 NW
 UPPER TWP 2.18 700 AM 11/13 3.2 SE
 MIDDLE TWP 2.04 700 AM 11/13 4.4 SW
 FISHING CREEK 1.70 900 AM 11/13

...CUMBERLAND COUNTY...

GREENWICH 1.81 700 AM 11/13
 MILLVILLE 1.54 700 AM 11/13
 BRIDGETON 1.19 700 AM 11/13 3.3 N

...GLOUCESTER COUNTY...

FRANKLIN 1.41 700 AM 11/13 2.7 W
 MALAGA 1.39 700 AM 11/12

...OCEAN COUNTY...

STAFFORD 1.49 700 AM 11/13 2.1 NW
 BERKLEY 1.36 700 AM 11/13 4.9 SE
 BERKLEY 1.02 700 AM 11/13 2.9 WNW

*****PEAK WIND GUST*****

LOCATION	PEAK WIND	TIME/DATE	COMMENTS
	GUST OF		
	(MPH) MEASUREMENT		

DELAWARE

...KENT COUNTY...

SANDTOWN 44 200 AM 11/12
 DOVER AFB 40 1231 PM 11/12

...NEW CASTLE COUNTY...

WILMINGTON 41 1017 PM 11/12
DELAWARE CITY 36 200 PM 11/12

...SUSSEX COUNTY...

FENWICK ISLAND 59 945 AM 11/12
LEWES 56 1039 AM 11/12 UNIV OF DELAWARE
REHOBOTH BEACH 56 704 AM 11/12
GEORGETOWN 46 647 AM 11/12
BETHANY BEACH BOARDWALK 36 800 PM 11/11

NEW JERSEY

...ATLANTIC COUNTY...

ATLANTIC CITY MARINA 59 259 PM 11/12
ATLANTIC CITY 47 940 AM 11/13

...BURLINGTON COUNTY...

WRIGHTST/MCGUIRE 39 1057 AM 11/13
CHATSWORTH COYLE FIELD 38 1100 AM 11/13

...CAPE MAY COUNTY...

CAPE MAY 57 709 AM 11/13
OCEAN CITY 52
WILDWOOD 51 914 AM 11/12 MOREY'S PIER
CAPE MAY 50 537 AM 11/12 LA MER BEACHFRONT
WOODBINE 35 300 PM 11/12

...CUMBERLAND COUNTY...

MILLVILLE 41 1006 PM 11/12

...MERCER COUNTY...

TRENTON 38 1036 AM 11/13

...MONMOUTH COUNTY...

SEA GIRT 43 300 PM 11/12
KEANSBURG 41 1100 AM 11/13
SANDY HOOK 38 1200 PM 11/12

...OCEAN COUNTY...

BARNEGAT LIGHT 59 1000 AM 11/13
TUCKERTON 55
HARVEY CEDARS 54 200 PM 11/12
SEASIDE HEIGHTS 52
BARNEGAT BAY 49
BRICK 45

TOMS RIVER 38 1055 AM 11/13
WEST CREEK 38 800 AM 11/12
LAKEHURST NAS 35 550 AM 11/13

...SOMERSET COUNTY...

SOMERVILLE 39 1110 AM 11/13

PENNSYLVANIA

...LEHIGH COUNTY...

ALLENTOWN 35 1053 PM 11/12

...NORTHAMPTON COUNTY...

FORKS TWP 38 100 PM 11/13

...PHILADELPHIA COUNTY...

PHILADELPHIA 40 1219 PM 11/13

PHILADELPHIA/NE 39 1142 AM 11/13

MARINE BUOYS

44009 26 NM SE CAPE MAY 60 350 PM 11/12
BRND1 BRANDYWINE SHOAL 57 321 PM 11/12
LWSD1 LEWES, DE 57 306 PM 11/12
AVAN4 AVALON, NJ 54 259 PM 11/12
BRBN4 BRANT BEACH 54 459 PM 11/12
CMAN4 CAPE MAY FERRY 47 230 PM 11/12
SJSN4 SHIP JOHN SHOAL 46 406 PM 11/12
SDHN4 SANDY HOOK 43 718 AM 11/13

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