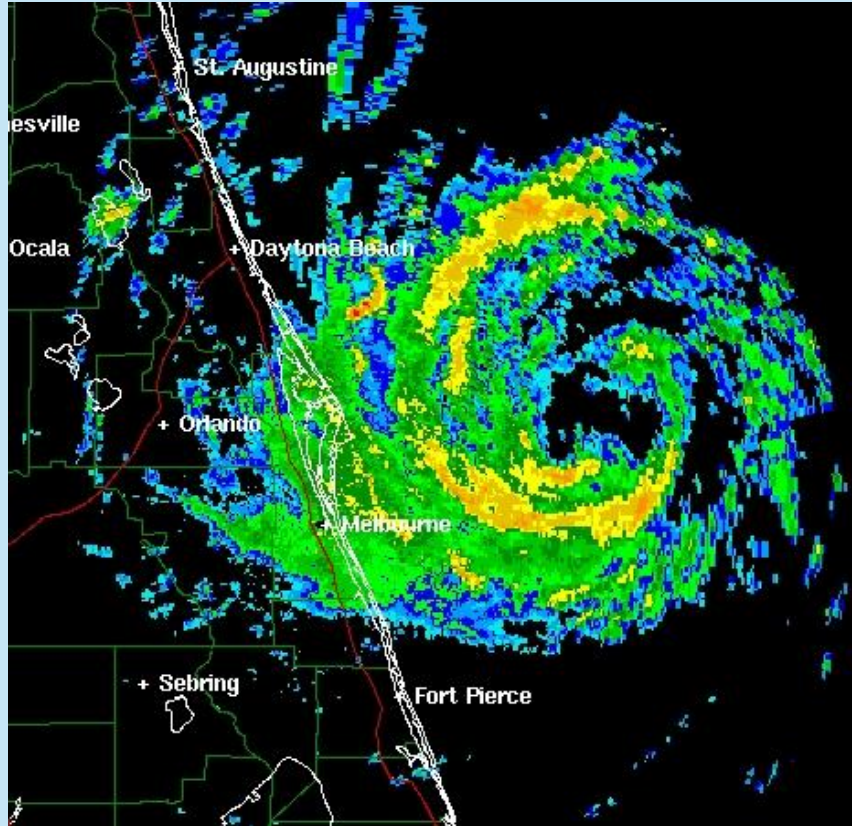


## Hurricane Ophelia offshore East Central Florida September 7-9, 2005



Hurricane Ophelia lingering offshore the Space Coast...

[National Hurricane Center Summary of Ophelia](#) (pdf)



Ophelia's primary impact was beach erosion (photo: Florida Today)

POST TROPICAL CYCLONE REPORT...HURRICANE OPHELIA  
NATIONAL WEATHER SERVICE MELBOURNE FL  
500 PM EDT MON SEP 12 2005...UPDATED SCOTTSMOOR RAINFALL

COUNTIES INCLUDED...VOLUSIA...BREVARD...INDIAN RIVER...  
ST. LUCIE...MARTIN.

A. WIND DATA

ASOS/AWOS...HIGHEST SUSTAINED WIND (2-MINUTE AVERAGE)

COUNTY.....	CITY (SID).....	DIR/SPD (KT)...	DATE/TIME (UTC)
VOLUSIA.....	DAYTONA BCH (DAB)....	010/25.....	09/08/05...1507Z
VOLUSIA.....	ORMOND BCH (OMN)....	020/19.....	09/08/05...1350Z
VOLUSIA.....	NEW SMYRNA BCH (EVB).360/31.....	09/08/05...1650Z	
BREVARD.....	NASA SLF (KTTS).....	340/19.....	09/08/05...1855Z
BREVARD.....	PATRICK AFB (KCOF)...	310/25.....	09/08/05...1955Z
BREVARD.....	TITUSVILLE (TIX)....	350/20.....	09/08/05...1950Z
BREVARD.....	MELBOURNE (MLB).....	010/20.....	09/09/05...2040Z
INDIAN RIVER..	VERO BEACH (VRB)....	290/20.....	09/08/05...1507Z
ST. LUCIE....	FT. PIERCE (FPR).....	280/18.....	09/08/05...1431Z
MARTIN.....	STUART (SUA).....	270/16.....	09/08/05...1547Z

ASOS/AWOS...HIGHEST GUST

COUNTY.....	CITY (SID).....	DIR/SPD (KT)...	DATE/TIME (UTC)
VOLUSIA.....	DAYTONA BCH (DAB)....	010/31.....	09/08/05...2027Z
VOLUSIA.....	ORMOND BCH (OMN)....	020/29.....	09/08/05...1350Z
VOLUSIA.....	NEW SMYRNA BCH (EVB).360/40.....	09/08/05...2250Z	
BREVARD.....	NASA SLF (KTTS).....	340/38.....	09/08/05...1407Z
BREVARD.....	PATRICK AFB (KCOF)...	310/36.....	09/08/05...1953Z
BREVARD.....	TITUSVILLE (TIX)....	350/30.....	09/08/05...1950Z
BREVARD.....	MELBOURNE (MLB).....	020/27.....	09/09/05...2039Z
INDIAN RIVER..	VERO BEACH (VRB)....	290/26.....	09/08/05...1507Z
ST. LUCIE....	FT. PIERCE (FPR).....	280/22.....	09/08/05...1446Z
MARTIN.....	STUART (SUA).....	310/20.....	09/08/05...2047Z

CAPE CANAVERAL (BREVARD COUNTY) AIR FORCE STATION MESONET TOWERS

NASA WIND TOWER 394 (28.60N 80.60W AT 60 FEET AGL)  
HIGHEST SUSTAINED (DIR/SPD) 010/34 (KT) AT 09/08/05...1520Z  
HIGHEST GUST (DIR/SPD) 010/52 (KT) AT 09/08/05...1540Z

MARINE BUOY 41009 (20 NM E PORT CANAVERAL) WINDS  
HIGHEST SUSTAINED (DIR/SPD)...340/37 AT 09/08/05...1750Z (8-MIN AVG)  
HIGHEST GUST (DIR/SPD).....340/47 AT 09/08/05...1820Z

MARINE BUOY 41010 (120 NM E PORT CANAVERAL) WINDS  
HIGHEST SUSTAINED (DIR/SPD)...230/37 AT 09/09/05...1350Z (8-MIN AVG)  
HIGHEST GUST (DIR/SPD).....230/49 AT 09/09/05...1350Z

B. PRESSURE DATA

ASOS/AWOS...LOWEST MEAN SEA LEVEL PRESSURE

COUNTY.....	CITY.....	PRES/MB....	DATE/TIME (UTC)
VOLUSIA.....	DAYTONA BCH (DAB)....	1007.8.....	09/09/05...0905Z
VOLUSIA.....	ORMOND BCH (OMN)....	1008.5.....	09/09/05...1050Z
VOLUSIA.....	NEW SMYRNA BCH (EVB).1008.8.....	09/09/05...1055Z	
BREVARD.....	NASA SLF (TTS).....	1006.4.....	09/08/05...0855Z
BREVARD.....	PATRICK AFB (COF)....	1006.1.....	09/08/05...1955Z
BREVARD.....	TITUSVILLE (TIX)....	1007.5.....	09/08/05...1950Z
BREVARD.....	MELBOURNE (MLB).....	1006.4.....	09/08/05...1957Z
INDIAN RIVER..	VERO BEACH (VRB)....	1006.4.....	09/08/05...1931Z

ST. LUCIE.....FT. PIERCE (FPR).....1007.1.....09/08/05...1938Z  
MARTIN.....STUART (SUA).....1008.1.....09/08/05...1947Z

MARINE BUOYS LOWEST PRESSURE (MB)

41009.....20 E PORT CANAVERAL.....1002.3.....09/08/05...1050Z  
41010.....120 E PORT CANAVERAL.....1000.1.....09/09/05...0820Z

C. STORM TOTAL RAINFALL

ASOS/COOP RAINFALL 1200Z 09/06/2005-1200Z 09/09/2005 (72-HOUR TOTALS)

COUNTY.....LOCATION.....TOTAL RAINFALL (IN)

VOLUSIA.....DAYTONA BEACH (DAB)..2.38  
VOLUSIA.....DELAND COOP.....2.96  
VOLUSIA.....PONCE INLET COOP.....2.65  
BREVARD.....SCOTTSMOOR COOP.....3.68  
BREVARD.....MELBOURNE (MLB).....1.40  
BREVARD.....MELBOURNE NWS.....1.96  
BREVARD.....PALM BAY COOP.....2.11  
BREVARD.....TITUSVILLE COOP.....2.87  
INDIAN RIVER...VERO BEACH (VRB).....0.26  
ST. LUCIE.....FT. PIERCE (FPR).....0.02  
ST. LUCIE.....FT. PIERCE WP COOP...0.11  
MARTIN.....PORT SALERNO COOP....0.14  
MARTIN.....NETTLES ISLAND COOP..0.08

OTHER OFFICIAL RAINFALL TOTALS

COUNTY.....LOCATION.....TOTAL RAINFALL (IN)

BREVARD....NASA SLF (TTS).....2.79  
BREVARD....PATRICK AFB (COF).....2.03

A NETWORK OF 34 RAIN GAGES ACROSS KENNEDY SPACE CENTER/CAPE CANAVERAL AIR FORCE STATION RANGED FROM 1.20 TO 4.54 INCHES FOR THE 72-HOUR PERIOD FROM 0000Z 09/07 THROUGH 2359Z 09/09...WITH AN AVERAGE TOTAL OF 2.63 INCHES.

D. STORM TIDES AND HEIGHTS...TRIDENT PIER GAGE AT PORT CANAVERAL INDICATED TIDES 1.0 TO 1.5 FEET ABOVE NORMAL STARTING 09/06 AND CONTINUING THROUGH AT LEAST 09/11.

E. BEACH AND INTRACOASTAL EROSION...SEVERAL DAYS OF STRONG ONSHORE FLOW AND ROUGH SURF RESULTED IN SOME BEACH EROSION ALONG MOST OF THE EAST CENTRAL FLORIDA COAST...WITH GREATEST AMOUNT OF EROSION LIKELY BETWEEN FLAGLER BEACH AND CAPE CANAVERAL.

F. FLOODING...NONE.

G. TORNADOES...NONE.

H. STORM EFFECTS...NONE.

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SPRATT/DIETZMANN