

ACUS74 KMOB 012138
PSHMOB

POST-TROPICAL CYCLONE REPORT...HURRICANE KATRINA
NATIONAL WEATHER SERVICE MOBILE AL
430 PM CDT THU SEP 1 2005

A. HIGHEST WINDS...

ALL WIND DATA OCCURRED ON AUGUST 29 2005...
ASOS STATIONS ONLY ENTERED IF WIND GUST 33 KNOTS OR HIGHER...
MOBILE AIRPORT (MOB)...

SUSTAINED WINDS 57 KNOTS FROM 130 DEGREES AT 1546 UTC
PEAK GUST 72 KNOTS FROM 120 DEGREES AT 1608 UTC
BROOKLEY AIRPORT (BFM)...

SUSTAINED WINDS 58 KNOTS FROM 140 DEGREES AT 1501 UTC
PEAK GUST 73 KNOTS FROM 140 DEGREES AT 1501 UTC
DESTIN (DTS)...

SUSTAINED WINDS 30 KNOTS FROM 160 DEGREES AT 1722 UTC
PEAK GUST 44 KNOTS FROM 160 DEGREES AT 1727 UTC
PENSACOLA AIRPORT (PNS)...

SUSTAINED WINDS 49 KNOTS FROM 140 DEGREES AT 1452 UTC
PEAK GUST 60 KNOTS FROM 140 DEGREES AT 1451 UTC
CRESTVIEW (CEW)...

SUSTAINED WINDS 30 KNOTS FROM 200 DEGREES AT 1855 UTC
PEAK GUST 38 KNOTS FROM 150 DEGREES AT 1842 UTC
EVERGREEN (GZH)...

SUSTAINED WINDS 32 KNOTS FROM 170 DEGREES AT 2008 UTC
PEAK GUST 42 KNOTS FROM 150 DEGREES AT 2118 UTC
MILITARY SITES...

EGLIN AIR FORCE BASE (VPS)...

SUSTAINED WINDS 33 KNOTS FROM 170 DEGREES AT 1958 UTC
PEAK GUST 46 KNOTS FROM 170 DEGREES AT 1709 UTC
MARY ESTHER (HRT)...

SUSTAINED WINDS 38 KNOTS FROM 160 DEGREES AT 1517 UTC
PEAK GUST 52 KNOTS FROM 160 DEGREES AT 1521 UTC
PENSACOLA NAVAL AIR STATION (NPA)...

SUSTAINED WINDS 49 KNOTS FROM 180 DEGREES AT 1811 UTC
PEAK GUST 62 KNOTS FROM 180 DEGREES AT 1812 UTC
EGLIN AIR FORCE BASE SENSOR IN FLORIDA...

6 MILES WEST OF MARY ESTHER
SUSTAINED WINDS 51 KNOTS FROM 140 DEGREES AT 1434 UTC
PEAK GUST 60 KNOTS FROM 150 DEGREES AT 1452 UTC
BUOY DATA...

DAUPHIN ISLAND (DP1A1)...

SUSTAINED WINDS 64 KNOTS FROM 150 DEGREES AT 1450 UTC
PEAK GUST 89 KNOTS FROM 150 DEGREES AT 1542 UTC
AWS STATIONS ONLY ENTERED IF GUST 33 KNOTS OR HIGHER...
PENSACOLA (WEAR TV)...

PEAK GUST 50 KNOTS
MOBILE BAY (USS ALABAMA)...

PEAK GUST 90 KNOTS
HOLLEY MIDDLE SCHOOL FLORIDA...

PEAK GUST 40 KNOTS

DESTIN MIDDLE SCHOOL FLORIDA...
PEAK GUST 37 KNOTS
WRIGHT ELEMENTARY SCHOOL FLORIDA
PEAK GUST 39 KNOTS
OTHER STATIONS...
SEMMES...
PEAK GUST 57 KNOTS

B. LOWEST PRESSURE...

ALL OCCURRED ON AUGUST 29 2005...
MOBILE REGIONAL AIRPORT (MOB) - 983.4 MB AT 1632 UTC
BROOKLEY (BFM) - 985.8 MB AT 1653 UTC
PENSACOLA REGIONAL AIRPORT (PNS) - 995.3 MB AT 1757 UTC
SEMMES ALABAMA - 982.7 MB AT 1715 UTC
CRESTVIEW (CEW) - 998.9 MB AT 1523 UTC
EGLIN AFB (VPS) - 998.9 MB AT 2023 UTC
PENSACOLA NAS (NPA) - 995.3 MB AT 1756 UTC
EVERGREEN (GZH) - 993.9 MB AT 2224 UTC
MARY ESTHER (HRT) - 998.9 MB AT 1935 UTC
DESTIN (DTS) - 999.3 MB AT 2053 UTC
DAUPHIN ISLAND (DPIA1) - 986.1 MB AT 1450 UTC

C. RAINFALL...

RAINFALL TOTALS ARE 48 HOUR TOTALS ENDING AT 1159 PM AUGUST 29 2005...
ASOS SITES...
MOBILE REGIONAL AIRPORT (MOB) 3.80 INCHES (6 HOUR TOTAL 1.43 INCHES ENDING AT 1359 UTC AUGUST 29)
NWS COOP SITES...
THOMASVILLE 3.17 INCHES
OTHER SITES...
SEMMES 5.70 INCHES
PENSACOLA (WEAR TV) 3.06 INCHES
DAPHNE 4.97 INCHES
PHILPOT FLORIDA 7.80 INCHES
MILTON 4.50 INCHES
MOLINO 5.00 INCHES
OAK GROVE 6.00 INCHES

D. STORM TIDES...

HIGHEST TIDES OCCURRED ON AUGUST 29 2005 TIDES ARE GIVEN IN MSL...
MOBILE STATE DOCKS (MBRA1) 11.45 AT 1848 UTC
USS ALABAMA (ESTIMATED) 12.00
DAUPHIN ISLAND (DAUA1) 6.63 AT 1645 UTC
DAUPHIN ISLAND (DPIA1) 6.23 AT 1542 UTC
PERDIDO PASS (PPSA1) 5.81 AT 1336 UTC
PENSACOLA (PENF1) 5.37
DESTIN (EPSF1) 4.52 AT 1336 UTC
SANTA ROSA SOUND (FWLF1) 4.10 AT 1654 UTC

ESTIMATED STORM TIDES WERE 10 TO 13 FEET IN MOBILE COUNTY
9 TO 11 FEET IN BALDWIN COUNTY
7 TO 9 FEET IN ESCAMBIA COUNTY
5 TO 8 FEET IN SANTA ROSA COUNTY
4 TO 6 FEET IN OKALOOSA COUNTY

E. BEACH EROSION...

MAJOR BEACH EROSION OCCURRED FROM DAUPHIN ISLAND TO EAST OF DESTIN.

F. FLOODING...

STORM TIDE FLOODING OCCURRED ON DAUPHIN ISLAND WITH THE WEST END OF THE ISLAND COMPLETELY SUBMERGED. BETWEEN FORT MORGAN AND PERDIDO KEY A FEW BREACHES OCCURRED. BREACHES ALSO OCCURRED ON SANTA ROSA ISLAND IN NORTHWEST FLORIDA. BAYOU LA BATRE HAD MAJOR FLOODING FROM THE STORM TIDE. THE CAUSEWAY AND DOWNTOWN MOBILE SAW NEAR RECORD STORM TIDES (ONLY POSSIBLY EXCEEDED BY THE 1916 HURRICANE). THIS RECORD SURGE WAS PREDICTED BY THE MOBILE NATIONAL WEATHER SERVICE OFFICE TWO DAYS BEFORE KATRINA MOVED ASHORE. FLASH FLOODING OCCURRED IN SOUTHWEST ALABAMA AND SOUTHEAST MISSISSIPPI BUT ONLY LASTED FOR A COUPLE OF HOURS DUE TO THE FAST MOVEMENT OF KATRINA.

G. TORNADOES...

SEVERAL WEAK TORNADOES MAY HAVE OCCURRED ACROSS SOUTHEAST MISSISSIPPI...SOUTHWEST ALABAMA AND NORTHWEST FLORIDA IN THE BANDS THAT PRECEDED KATRINA.

H. STORM EFFECTS...

HIGH WINDS FROM KATRINA CAUSED SIGNIFICANT TREE AND POWER LINE DAMAGE TO THE COUNTIES THAT BORDER THE MISSISSIPPI AND ALABAMA STATE LINE WITH STONE AND PERRY COUNTIES IN SOUTHEAST MISSISSIPPI RECEIVING THE MOST DAMAGE FROM THE WINDS. THE WINDS WERE HIGHER AS YOU WENT WEST TOWARD THE CENTER OF KATRINA. THE MAJOR PROBLEM ALONG THE COASTAL AREAS WAS THE RECORD STORM TIDES IN MOBILE COUNTY WITH BALDWIN...ESCAMBIA...SANTA ROSA AND OKALOOSA COUNTIES RECEIVING SIGNIFICANT COASTAL FLOODING FROM THE STORM TIDES. THE STORM TIDES WERE LESS AS YOU WENT EAST TOWARD DESTIN. HIGHWAY 98 IN OKALOOSA COUNTY WAS AGAIN CUT OFF BY THE SURGE...AS HAS BEEN THE CASE FOR THE PAST SEVERAL STORMS THAT HAVE THREATENED THAT AREA. GOING WEST TO EAST WALLACE TUNNEL ON I-10 IN MOBILE WAS CLOSED DUE TO THE HIGH SURGE. I-10 ACROSS PENSACOLA BAY WAS ALSO CLOSED BECAUSE OF THE HIGH WINDS AND THE STORM SURGE. AN OIL RIG BROKE LOOSE AND FLOATED NORTH UP MOBILE BAY AND STRUCK THE COCHRAN-AFRICATOWN BRIDGE ACROSS MOBILE BAY. THE BRIDGE HAD TO BE CLOSED FOR A WHILE UNTIL THE RIG COULD BE PULLED AWAY FROM THE BRIDGE AND THE BRIDGE INSPECTED. SO FAR NO DIRECT DEATHS FROM KATRINA HAVE BEEN REPORTED ACROSS SOUTHEAST MISSISSIPPI...SOUTHWEST ALABAMA OR NORTHWEST FLORIDA. PRELIMINARY DAMAGE ESTIMATES FROM KATRINA COULD APPROACH MORE

THAN A BILLION DOLLARS.

...THIS SUMMARY WILL BE UPDATED AS LATER DATA BECOMES AVAILABLE...

BEEELER/CULLEN