

APPENDIX A

TEXT PRODUCT EXAMPLES

Convective Outlook (AC)

DAY 1 CONVECTIVE OUTLOOK
NWS STORM PREDICTION CENTER NORMAN OK
0733 AM CDT MON MAY 10 2010

VALID 101300Z - 111200Z

...THERE IS A HIGH RISK OF SVR TSTMS LATE THIS AFTERNOON/EVENING FOR CENTRAL/NE OK AND SE KS...

...THERE IS A MDT RISK OF SVR TSTMS SURROUNDING THE HIGH RISK IN KS...OK...SW MO...AND NW AR...

...THERE IS A SLGT RISK OF SVR TSTMS FROM CENTRAL/NW TX TO THE CENTRAL PLAINS AND MID MS VALLEY THROUGH TONIGHT...

...A FEW STRONG/LONG-TRACK TORNADOES...ALONG WITH VERY LARGE HAIL AND DAMAGING WINDS...WILL BE POSSIBLE THIS AFTERNOON/EVENING ACROSS CENTRAL/NE OK AND EXTREME S CENTRAL/SE KS...

...SRN/CENTRAL PLAINS THIS AFTERNOON TO MO OVERNIGHT...
RAPID CHANGES ARE EXPECTED TODAY ACROSS THE SRN/CENTRAL PLAINS AS A PRONOUNCED SHORTWAVE TROUGH NEAR THE FOUR CORNERS MOVES QUICKLY EWD TO CENTRAL KS/NRN OK BY THIS EVENING...AND CONTINUES ENEWD TO THE MID MS VALLEY OVERNIGHT. A SURFACE WARM FRONT AND ASSOCIATED MOIST AIR MASS /BOUNDARY LAYER DEWPOINTS OF 65-70 F/ WILL SURGE NWD FROM NW/N CENTRAL TX TO CENTRAL AND NRN OK BY MID-LATE AFTERNOON. THIS MOISTENING WILL OCCUR BENEATH A PLUME OF STEEP MIDDLE LEVEL LAPSE RATES AND IN RESPONSE TO EWD DEVELOPMENT OF THE SURFACE CYCLONE ACROSS SW/S CENTRAL KS. THE MOST FAVORABLE PHASING OF THE UNSTABLE WARM SECTOR AND STRONG VERTICAL SHEAR ENVIRONMENT WILL OCCUR LATE THIS AFTERNOON/EVENING ACROSS CENTRAL/N CENTRAL/NE OK...AND THE ADJACENT BORDER COUNTIES IN KS. OVERNIGHT...THE BELT OF STRONGER FORCING FOR ASCENT WILL ACCELERATE ENEWD OVER MO AT A FASTER RATE THAN THE LOW LEVELS WILL BE ABLE TO MOISTEN/DESTABILIZE...RESULTING IN A DECREASE IN THE SEVERE STORM/TORNADO RISK LATER TONIGHT.

DISCRETE THUNDERSTORM INITIATION IS EXPECTED BY 18-20Z IN SW KS NEAR THE SURFACE LOW AND LEFT EXIT REGION OF THE MID-UPPER JET. ADDITIONAL DEVELOPMENT WILL OCCUR FARTHER SE ALONG THE SRN KS/NRN OK DRYLINE AROUND 21-22Z...WITH ISOLATED STORMS POSSIBLE SWD INTO CENTRAL OK AND NW TX CLOSER TO 22-00Z. THE STRONG DEEP-LAYER SHEAR ENVIRONMENT NEAR THE MID-UPPER JET CORE SUGGESTS THAT STORMS MAY TAKE UP TO AN HOUR OR SO TO MATURE. HOWEVER... EFFECTIVE SRH OF 400-600 M2/S2... BOUNDARY LAYER DEWPOINTS OF 65-70 F AND MLCAPE OF 2000-3500 J/KG ALL FAVOR THE POTENTIAL FOR STRONG/LONG-TRACK TORNADOES IN THE MDT-HIGH RISK AREAS. THE TORNADO AND LARGE HAIL THREAT SHOULD MAXIMIZE FROM ABOUT 22-02Z IN OK/SE KS...WITH A GRADUAL EVOLUTION TO A MORE LINEAR CONVECTIVE MODE WITH DAMAGING WINDS/LARGE HAIL OVERNIGHT ACROSS MO.

POTENTIAL CONCERNS WILL BE THE LATE ARRIVAL AND NARROW WIDTH OF THE WARM SECTOR COMPARED TO THE STRONG VERTICAL SHEAR PROFILES AND FAST STORM MOTIONS. A COMPARISON OF EXPECTED 45-50 KT STORM MOTIONS WITH WARM SECTOR WIDTH/PROGRESSION SUGGESTS A 2-3 HOUR WINDOW FOR SUPERCELLS TO MATURE AND REMAIN WITHIN THE CORRIDOR OF STRONGER INSTABILITY ACROSS EXTREME SRN/SERN KS AND NRN/NERN OK THIS EVENING. STILL...IT APPEARS THIS WINDOW OF OPPORTUNITY WILL BE SUFFICIENTLY LONG TO SUPPORT A SIGNIFICANT SUPERCELL/TORNADO RISK FOR A FEW HOURS LATE THIS AFTERNOON/EVENING...INCLUDING THE WICHITA...TULSA...AND OKLAHOMA CITY METROPOLITAN AREAS.

..THOMPSON/HURLBUT.. 05/10/2010

CLICK TO GET [WUUS01 PTSDY1](#) PRODUCT

NOTE: THE NEXT DAY 1 OUTLOOK IS SCHEDULED BY 1630Z

Mesoscale Discussion (MD)

MESOSCALE DISCUSSION 0512
NWS STORM PREDICTION CENTER NORMAN OK
0442 PM CDT MON MAY 10 2010

AREAS AFFECTED...SRN/ERN KS...MUCH OF OK...SWRN MO...NWRN AR

CONCERNING...TORNADO WATCH [147](#)...[148](#)...

VALID 102142Z - 102245Z

THE SEVERE WEATHER THREAT FOR TORNADO WATCH 147...148...CONTINUES.

...NEW TORNADO WATCH WILL BE ISSUED SOON FOR PORTIONS OF SERN KS...SWRN MO...NERN OK...NWRN AR...

RAPID BOUNDARY LAYER RECOVERY IS UNDERWAY ACROSS SCNTRL KS INTO NERN OK AHEAD OF SFC LOW ALONG THE KS/OK BORDER WEST OF PNC. FOCUSED PRESSURE FALLS ARE NOTED JUST AHEAD OF THIS FEATURE WITH 2 HOUR FALLS ON THE ORDER OF 4-7MB. NEEDLESS TO SAY SHEAR AND THERMODYNAMIC PARAMETERS ARE UNUSUALLY STRONG AND VERY SUPPORTIVE OF VIOLENT TORNADIC SUPERCELLS. LATEST RADAR TRENDS SUGGEST EARLIER ISOLATED ACTIVITY IS NOW MORE CONCENTRATED AND FOCUSED ALONG SURGING DRYLINE WITH AT LEAST HALF A DOZEN STRONG TO RAPIDLY INTENSIFYING SUPERCELLS...A FEW WITH POTENTIALLY SIGNIFICANT TORNADOES...FROM KINGMAN COUNTY KS...ARCING TO THE WEST AND SOUTHWEST OF OKC IN SWRN OKLAHOMA.

LATEST THINKING IS SPEED/MOVEMENT OF CURRENT ACTIVITY WILL REQUIRE AN ADDITIONAL TORNADO WATCH TO BE ISSUED OVER SERN KS/SWRN MO/NERN OK/NWRN AR SHORTLY.

..DARROW.. 05/10/2010

ATTN...WFO...SGF...TSA...TOP...ICT...OUN...DDC...

LAT...LON 38909776 38669583 37159468 35329539 34109773 34619858
36669759 38049856 38909776

Severe Thunderstorm Watch

URGENT - IMMEDIATE BROADCAST REQUESTED
SEVERE THUNDERSTORM WATCH NUMBER 678
NWS STORM PREDICTION CENTER NORMAN OK
155 PM CDT TUE SEP 21 2010

THE NWS STORM PREDICTION CENTER HAS ISSUED A
SEVERE THUNDERSTORM WATCH FOR PORTIONS OF

SOUTHERN IOWA
FAR WEST-CENTRAL ILLINOIS
NORTHERN MISSOURI

EFFECTIVE THIS TUESDAY AFTERNOON AND EVENING FROM 155 PM UNTIL
900 PM CDT.

HAIL TO 1.5 INCHES IN DIAMETER...THUNDERSTORM WIND GUSTS TO 70
MPH...AND DANGEROUS LIGHTNING ARE POSSIBLE IN THESE AREAS.

THE SEVERE THUNDERSTORM WATCH AREA IS APPROXIMATELY ALONG AND 65
STATUTE MILES NORTH AND SOUTH OF A LINE FROM 55 MILES NORTH OF
KANSAS CITY MISSOURI TO 20 MILES NORTHEAST OF KIRKSVILLE
MISSOURI. FOR A COMPLETE DEPICTION OF THE WATCH SEE THE
ASSOCIATED WATCH OUTLINE UPDATE (WOUS64 KWNS WOU8).

REMEMBER...A SEVERE THUNDERSTORM WATCH MEANS CONDITIONS ARE
FAVORABLE FOR SEVERE THUNDERSTORMS IN AND CLOSE TO THE WATCH
AREA. PERSONS IN THESE AREAS SHOULD BE ON THE LOOKOUT FOR
THREATENING WEATHER CONDITIONS AND LISTEN FOR LATER STATEMENTS
AND POSSIBLE WARNINGS. SEVERE THUNDERSTORMS CAN AND OCCASIONALLY
DO PRODUCE TORNADES.

OTHER WATCH INFORMATION...CONTINUE...[WW 676](#)...[WW 677](#)...

DISCUSSION...TSTMS ARE EXPECTED TO INTENSIFY THIS AFTERNOON AHEAD OF
WELL-DEFINED VORTICITY MAXIMUM CURRENTLY OVER NERN KS/SERN NEB.
AMBIENT WARM SECTOR AIR MASS IS WARM AND MOIST WITH MLCAPE VALUES OF
1500-2500 J/KG. WHILE REGION RESIDES ALONG SRN FRINGE OF STRONGER
MID AND HIGH-LEVEL FLOW ATTENDANT TO UPPER GREAT LAKES TROUGH...AREA
PROFILER DATA INDICATE SUFFICIENT DEEP SWLY SHEAR TO SUPPORT
ORGANIZED MULTICELLS AND BOWING STRUCTURES CAPABLE OF DAMAGING WINDS
AND HAIL.

AVIATION...A FEW SEVERE THUNDERSTORMS WITH HAIL SURFACE AND ALOFT
TO 1.5 INCHES. EXTREME TURBULENCE AND SURFACE WIND GUSTS TO 60
KNOTS. A FEW CUMULONIMBI WITH MAXIMUM TOPS TO 500. MEAN STORM
MOTION VECTOR 26030.

...MEAD

Watch Outline Update (WOU - Initial for watch number 678 on previous page)

BULLETIN - IMMEDIATE BROADCAST REQUESTED
SEVERE THUNDERSTORM WATCH OUTLINE UPDATE FOR WS 678
NWS STORM PREDICTION CENTER NORMAN OK
155 PM CDT TUE SEP 21 2010

SEVERE THUNDERSTORM WATCH 678 IS IN EFFECT UNTIL 900 PM CDT
FOR THE FOLLOWING LOCATIONS

IAC007-039-051-053-117-135-159-173-179-185-220200-
/O.NEW.KWNS.SV.A.0678.100921T1855Z-100922T0200Z/

IA

. IOWA COUNTIES INCLUDED ARE

APPANOOSE	CLARKE	DAVIS
DECATUR	LUCAS	MONROE
RINGGOLD	TAYLOR	WAPELLO
WAYNE		

\$\$

ILC001-220200-
/O.NEW.KWNS.SV.A.0678.100921T1855Z-100922T0200Z/

IL

. ILLINOIS COUNTIES INCLUDED ARE

ADAMS

\$\$

MOC001-003-021-025-033-041-047-049-061-063-075-079-081-087-089-
095-103-107-111-115-117-121-127-129-137-147-165-171-175-177-195-
197-205-211-227-220200-
/O.NEW.KWNS.SV.A.0678.100921T1855Z-100922T0200Z/

MO

. MISSOURI COUNTIES INCLUDED ARE

ADAIR	ANDREW	BUCHANAN
CALDWELL	CARROLL	CHARITON
CLAY	CLINTON	DAVISS
DEKALB	GENTRY	GRUNDY
HARRISON	HOLT	HOWARD
JACKSON	KNOX	LAFAYETTE
LEWIS	LINN	LIVINGSTON
MACON	MARION	MERCER
MONROE	NODAWAY	PLATTE
PUTNAM	RANDOLPH	RAY
SALINE	SCHUYLER	SHELBY
SULLIVAN	WORTH	

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ATTN...WFO...DMX...EAX...LSX...

Watch Status Message (For Watch 678 on previous page)

STATUS REPORT #1 ON [WW 678](#)

VALID 212040Z - 212140Z

THE SEVERE WEATHER THREAT CONTINUES ACROSS THE ENTIRE WATCH AREA.

..GRAMS..09/21/10

ATTN...WFO...DMX...LSX...EAX...

&&

STATUS REPORT FOR WS 678

SEVERE WEATHER THREAT CONTINUES FOR THE FOLLOWING AREAS

ILC001-212140-

IL

. ILLINOIS COUNTIES INCLUDED ARE

ADAMS

\$\$

IAC007-039-051-053-117-135-159-173-179-185-212140-

IA

. IOWA COUNTIES INCLUDED ARE

APPANOOSE

CLARKE

DAVIS

DECATUR

LUCAS

MONROE

RINGGOLD

TAYLOR

WAPELLO

WAYNE

\$\$

MOC001-003-021-025-033-041-047-049-061-063-075-079-081-087-089-
095-103-107-111-115-117-121-127-129-137-147-165-171-175-177-195-
197-205-211-227-212140-

MO

. MISSOURI COUNTIES INCLUDED ARE

ADAIR

ANDREW

BUCHANAN

CALDWELL

CARROLL

CHARITON

CLAY

CLINTON

DAVISS

DEKALB

GENTRY

GRUNDY

HARRISON

HOLT

HOWARD

JACKSON

KNOX

LAFAYETTE

LEWIS

LINN

LIVINGSTON

MACON

MARION

MERCER

MONROE

NODAWAY

PLATTE

PUTNAM

RANDOLPH

RAY

SALINE

SCHUYLER

SHELBY

SULLIVAN

WORTH

\$\$

THE WATCH STATUS MESSAGE IS FOR GUIDANCE PURPOSES ONLY. PLEASE REFER TO WATCH COUNTY NOTIFICATION STATEMENTS FOR OFFICIAL INFORMATION ON COUNTIES...INDEPENDENT CITIES AND MARINE ZONES CLEARED FROM SEVERE THUNDERSTORM AND TORNADO WATCHES.

Aviation Watch Notification Message (For Watch #678 above)

WW 678 SEVERE TSTM IA IL MO 211855Z - 220200Z
AXIS..65 STATUTE MILES NORTH AND SOUTH OF LINE..
55N MKC/KANSAS CITY MO/ - 20NE IRK/KIRKSVILLE MO/
..AVIATION COORDS.. 55NM N/S /38N MKC - 17NE IRK/
HAIL SURFACE AND ALOFT..1.5 INCHES. WIND GUSTS..60 KNOTS.
MAX TOPS TO 500. MEAN STORM MOTION VECTOR 26030.

LAT...LON 40849459 41259227 39369227 38979459

THIS IS AN APPROXIMATION TO THE WATCH AREA. FOR A COMPLETE DEPICTION OF THE WATCH SEE WOUS64 KWNS FOR WOU8.

Watch County Notification (from WFO in Watch #678 above)

WATCH COUNTY NOTIFICATION FOR WATCH 678
NATIONAL WEATHER SERVICE KANSAS CITY/PLEASANT HILL MO
156 PM CDT TUE SEP 21 2010

MOC001-003-021-025-033-041-047-049-061-063-075-079-081-087-089-
095-107-115-117-121-129-147-165-171-175-177-195-197-211-227-
220200-
/O.NEW.KEAX.SV.A.0678.100921T1856Z-100922T0200Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM WATCH 678 IN EFFECT UNTIL 9 PM CDT THIS EVENING FOR THE FOLLOWING AREAS

IN MISSOURI THIS WATCH INCLUDES 30 COUNTIES

IN CENTRAL MISSOURI

HOWARD SALINE

IN NORTH CENTRAL MISSOURI

CALDWELL	CARROLL	CHARITON
DAVISS	GRUNDY	HARRISON
LINN MO	LIVINGSTON	MACON
MERCER	PUTNAM	RANDOLPH
SULLIVAN		

IN NORTHEAST MISSOURI

ADAIR SCHUYLER

IN NORTHWEST MISSOURI

ANDREW	BUCHANAN	CLINTON
DEKALB	GENTRY	HOLT
NODAWAY	WORTH	

IN WEST CENTRAL MISSOURI

CLAY JACKSON LAFAYETTE
PLATTE RAY

THIS INCLUDES THE CITIES OF...ALBANY...BETHANY...BROOKFIELD...
CAMERON...CARROLLTON...CHILLICOTHE...CONCORDIA...
EXCELSIOR SPRINGS...FAYETTE...GALLATIN...GRANT CITY...
INDEPENDENCE...KANSAS CITY...KEYTESVILLE...KINGSTON...
KIRKSVILLE...LA PLATA...LANCASTER...LEXINGTON...LIBERTY...MACON...
MARSHALL...MARYVILLE...MILAN...MOBERLY...MOUND CITY...
NEW FRANKLIN...OREGON...PARKVILLE...PLATTE CITY...PLATTSBURG...
PRINCETON...RICHMOND...SAVANNAH...ST. JOSEPH...
TRENTON AND UNIONVILLE.

Tornado Watch (Particularly Dangerous Situation)

URGENT - IMMEDIATE BROADCAST REQUESTED

TORNADO WATCH NUMBER 147

NWS STORM PREDICTION CENTER NORMAN OK

125 PM CDT MON MAY 10 2010

THE NWS STORM PREDICTION CENTER HAS ISSUED A
TORNADO WATCH FOR PORTIONS OF

SOUTH CENTRAL KANSAS
CENTRAL AND WESTERN OKLAHOMA

EFFECTIVE THIS MONDAY AFTERNOON AND EVENING FROM 125 PM UNTIL
1000 PM CDT.

...THIS IS A PARTICULARLY DANGEROUS SITUATION...

DESTRUCTIVE TORNADOES...LARGE HAIL TO 4 INCHES IN DIAMETER...
THUNDERSTORM WIND GUSTS TO 80 MPH...AND DANGEROUS LIGHTNING ARE
POSSIBLE IN THESE AREAS.

THE TORNADO WATCH AREA IS APPROXIMATELY ALONG AND 95 STATUTE
MILES EAST AND WEST OF A LINE FROM 40 MILES SOUTH SOUTHEAST OF
FORT SILL OKLAHOMA TO 25 MILES NORTH NORTHEAST OF WICHITA KANSAS.
FOR A COMPLETE DEPICTION OF THE WATCH SEE THE ASSOCIATED WATCH
OUTLINE UPDATE (WOUS64 KWNS WOU7).

REMEMBER...A TORNADO WATCH MEANS CONDITIONS ARE FAVORABLE FOR
TORNADOES AND SEVERE THUNDERSTORMS IN AND CLOSE TO THE WATCH
AREA. PERSONS IN THESE AREAS SHOULD BE ON THE LOOKOUT FOR
THREATENING WEATHER CONDITIONS AND LISTEN FOR LATER STATEMENTS
AND POSSIBLE WARNINGS.

OTHER WATCH INFORMATION...CONTINUE...[WW 146](#)...

DISCUSSION...A DANGEROUS ENVIRONMENT IS DEVELOPING ACROSS PARTS OF
SOUTHERN KS AND WESTERN/CENTRAL OK THIS AFTERNOON AS AIRMASS RAPIDLY
DESTABILIZES AND UPPER TROUGH APPROACHES. THUNDERSTORMS ARE
EXPECTED TO INITIALLY DEVELOP ALONG THE SURFACE DRYLINE OVER WESTERN
OK...THEN PROGRESSING EASTWARD THROUGH THE LATE AFTERNOON AND
EVENING. TORNADIC SUPERCELLS ARE A DISTINCT POSSIBILITY WITH THE

THREAT OF STRONG AND LONG-TRACK TORNADOES. VERY LARGE HAIL IS ALSO LIKELY IN THE STRONGER CELLS.

AVIATION...TORNADOES AND A FEW SEVERE THUNDERSTORMS WITH HAIL SURFACE AND ALOFT TO 4 INCHES. EXTREME TURBULENCE AND SURFACE WIND GUSTS TO 70 KNOTS. A FEW CUMULONIMBI WITH MAXIMUM TOPS TO 500. MEAN STORM MOTION VECTOR 25045.

...HART

Tornado Warning (TOR)

BULLETIN - EAS ACTIVATION REQUESTED
TORNADO WARNING
NATIONAL WEATHER SERVICE AMARILLO TX
712 PM CDT MON MAY 31 2010

THE NATIONAL WEATHER SERVICE IN AMARILLO HAS ISSUED A

- * TORNADO WARNING FOR...
NORTH CENTRAL CIMARRON COUNTY IN THE PANHANDLE OF OKLAHOMA.
- * UNTIL 745 PM CDT
- * AT 711 PM CDT...NATIONAL WEATHER SERVICE METEOROLOGISTS WERE TRACKING A LARGE AND EXTREMELY DANGEROUS TORNADO 24 MILES NORTH OF BOISE CITY...MOVING SOUTHEAST AT 20 MPH.
- * THE TORNADO WILL REMAIN OVER MAINLY RURAL AREAS OF NORTHERN CIMARRON COUNTY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A TORNADO HAS BEEN CONFIRMED! TAKE COVER IN A STURDY BUILDING NOW. MOBILE HOMES AND VEHICLES ARE NOT SAFE.

&&

LAT...LON 3699 10223 3694 10215 3677 10259 3700 10267
TIME...MOT...LOC 0011Z 336DEG 17KT 3705 10253

Severe Thunderstorm Warning (SVR)

BULLETIN - EAS ACTIVATION REQUESTED
SEVERE THUNDERSTORM WARNING
NATIONAL WEATHER SERVICE QUAD CITIES IA IL
312 PM CDT TUE SEP 21 2010

THE NATIONAL WEATHER SERVICE IN THE QUAD CITIES HAS ISSUED A

- * SEVERE THUNDERSTORM WARNING FOR...
CENTRAL JO DAVIESS COUNTY IN NORTHWEST ILLINOIS...
STEPHENSON COUNTY IN NORTHWEST ILLINOIS...
- * UNTIL 415 PM CDT.
- * AT 310 PM CDT...NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED A SEVERE THUNDERSTORM CAPABLE OF PRODUCING DAMAGING WINDS IN EXCESS

OF 60 MPH...AND PING PONG BALL SIZE HAIL. THIS STORM WAS LOCATED NEAR WOODBINE...OR 13 MILES SOUTHEAST OF GALENA...AND MOVING EAST NORTHEAST AT 50 MPH.

- * THE SEVERE THUNDERSTORM WILL BE NEAR...
STOCKTON AND PLUM RIVER AROUND 320 PM CDT...
LENA AROUND 335 PM CDT...
CEDARVILLE AROUND 345 PM CDT...
DAKOTA AROUND 350 PM CDT...
ROCK CITY AROUND 355 PM CDT...
DAVIS AROUND 400 PM CDT...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

THIS IS A VERY DANGEROUS STORM CAPABLE OF BLOWING DOWN TREES AND POWER POLES. MOVE INDOORS TO A SUBSTANTIAL SHELTER SUCH AS A BASEMENT OR INTERIOR ROOM OR HALLWAY.

A SEVERE THUNDERSTORM WATCH REMAINS IN EFFECT UNTIL 900 PM CDT TUESDAY EVENING FOR EASTERN IOWA AND NORTHWESTERN ILLINOIS AND NORTHEAST MISSOURI.

&&

LAT...LON 4249 8940 4225 8940 4224 9026 4238 9028
4238 8992 4251 8992 4250 8942
TIME...MOT...LOC 2012Z 260DEG 43KT 4235 9016

Flash Flood Warning (FFW)

BULLETIN - EAS ACTIVATION REQUESTED
FLASH FLOOD WARNING
NATIONAL WEATHER SERVICE DES MOINES IA
1110 AM CDT TUE SEP 21 2010

THE NATIONAL WEATHER SERVICE IN DES MOINES HAS ISSUED A

- * FLASH FLOOD WARNING FOR...
MARSHALL COUNTY IN CENTRAL IOWA...
TAMA COUNTY IN CENTRAL IOWA...
- * UNTIL 500 PM CDT
- * AT 1109 AM CDT...NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED SLOW MOVING THUNDERSTORMS WITH VERY HEAVY RAINFALL ACROSS THE WARNED AREA. RADAR ESTIMATES THAT THESE STORMS HAVE ALREADY PRODUCED AS MUCH AS 2 TO 3 INCHES OF RAINFALL OVER THE PAST HOUR. AS MUCH AS 1 TO 2 INCHES OF ADDITIONAL RAINFALL IS EXPECTED OVER THE NEXT COUPLE OF HOURS.
- * RUNOFF FROM THIS EXCESSIVE RAINFALL WILL CAUSE FLASH FLOODING TO OCCUR. SOME LOCATIONS THAT WILL EXPERIENCE FLOODING INCLUDE...
DYSART...MARSHALLTOWN...STATE CENTER AND TOLEDO.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

EXCESSIVE RUNOFF FROM HEAVY RAINFALL WILL CAUSE FLOODING OF SMALL

CREEKS AND STREAMS...HIGHWAYS AND UNDERPASSES. ADDITIONALLY...
COUNTRY ROADS AND FARMLANDS ALONG THE BANKS OF CREEKS...STREAMS AND
OTHER LOW LYING AREAS ARE SUBJECT TO FLOODING.

DO NOT DRIVE YOUR VEHICLE INTO AREAS WHERE THE WATER COVERS THE
ROADWAY. THE WATER DEPTH MAY BE TOO GREAT TO ALLOW YOUR CAR TO CROSS
SAFELY. TURN AROUND...DONT DROWN.

&&

LAT...LON 4187 9323 4217 9323 4221 9303 4221 9278
4226 9277 4230 9253 4229 9230 4202 9230

Special Marine Warning (SMW)

BULLETIN - IMMEDIATE BROADCAST REQUESTED
SPECIAL MARINE WARNING
NATIONAL WEATHER SERVICE BROWNSVILLE TX
936 AM CDT TUE SEP 21 2010

THE NATIONAL WEATHER SERVICE IN BROWNSVILLE HAS ISSUED A

- * SPECIAL MARINE WARNING FOR...
COASTAL WATERS FROM PORT MANSFIELD TX TO THE RIO GRANDE RIVER OUT
20 NM.
- * UNTIL 1100 AM CDT
- * AT 935 AM CDT...NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED A
STRONG THUNDERSTORM...WITH WIND GUSTS OF 34 KNOTS OR GREATER...6
MILES EAST OF SOUTH PADRE ISLAND...MOVING WEST AT 10 KNOTS.
- * THE THUNDERSTORM WILL BE NEAR...
SOUTH PADRE ISLAND BY 1015 AM CDT.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

STRONG THUNDERSTORMS CAN PRODUCE WATERSPOUTS WITH LITTLE OR NO
ADVANCE WARNING. SEEK SAFETY IMMEDIATELY!

MARINERS CAN ALSO EXPECT LOCALLY HIGH WAVES...DANGEROUS LIGHTNING...
AND TORRENTIAL RAIN. SEEK SAFETY IMMEDIATELY.

PLEASE REPORT WATERSPOUTS OR FUNNEL CLOUDS...WINDS OF 34 KNOTS OR
HIGHER...HAIL THE SIZE OF PENNIES OR LARGER...AND ANY VESSEL DAMAGE
TO YOUR NATIONAL WEATHER SERVICE IN BROWNSVILLE BY CALLING
956-504-1432.

&&

LAT...LON 2596 9717 2598 9717 2604 9718 2607 9717
2620 9719 2616 9688 2595 9688
TIME...MOT...LOC 1435Z 098DEG 7KT 2610 9708

Convective SIGMETs

CONVECTIVE SIGMET 38C
VALID UNTIL 2255Z
WI IL MO IA KS NE
FROM 50SW BAE-20W BDF-50S DSM-50W MCI
LINE SEV TS 25 NM WIDE MOV FROM 26035KT. TOPS TO FL450.
HAIL TO 1.5 IN...WIND GUSTS TO 60KT POSS.

OUTLOOK VALID 212255-220255
AREA 1...FROM SSM-60NNW YVV-ECK-BUM-SLN-SSM
WST ISSUANCES EXPD. REFER TO THE MOST RECENT ACUS01 KWNS FROM THE
STORM PREDICTION CENTER FOR SYNOPSIS AND METEOROLOGICAL DETAILS.
REF WW 676 677 678.

AREA 2...FROM TTT-MLU-HRV-120SSW LCH-80E BRO-BRO-60SSE
LRD-DLF-TTT
WST ISSUANCES POSS ERLY IN THE PD. REFER TO THE MOST RECENT
ACUS01 KWNS FROM THE STORM PREDICTION CENTER FOR SYNOPSIS AND
METEOROLOGICAL DETAILS.