

NOAA Technical Memorandum NWS SR-164

A GUIDE TO WRITING SHORT TERM FORECASTS

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March 1995

UNITED STATES
DEPARTMENT OF COMMERCE
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Preface

This Guide to Short Term Forecasts was specifically prepared for the Tulsa NWSO. It is an excellent guide for forecasters to use in various weather situations. It is being distributed, as you may want to use it as an example for a similar guide for your office. A special thanks to Greg Patrick for preparing and sharing this document.

A handwritten signature in black ink, appearing to read "Melvin R. McLaughlin". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Melvin R. McLaughlin
Chief, Meteorological Services Division

GUIDELINES FOR ISSUING THE "SHORT TERM FORECAST"

The NEXRAD Weather Service Office in Tulsa began issuing a "Short Term Forecast" on July 6, 1994, with an AFOS identifier of "OKCNOWTUL." National guidelines for the issuance of this product are contained in OML 2-93 filed with WSOM Chapter C-21. ROML S-6-93, also filed with C-21, gives additional guidance on the Short Term Forecast.

The idea behind the Short Term Forecast (NOW) is to provide users with a non-technical short-range forecast of ongoing hydro-meteorological conditions for our county warning area. Offices with access to new technology (WSR-88D, profilers, etc.) will issue the NOW; national plans eventually call for the "Area Weather Update" to replace the NOW in the modernized Weather Service.

The national directives (OML 2-93) give flexibility to the issuing offices on the content and form of the NOW. This manual is based on ideas presented in OML 2-93; policies on the local issuances were adapted from this OML based on our climatic regime.

Many examples are given in this manual which should serve as *guidelines* for issuances, especially during the first six months that we issue the NOW. Forecaster judgment on wording and the utilization of headlines should be exercised to give each NOW a "fresh" sound.

The NOW is designed primarily for dissemination by the media to the general public. Use non-technical terms and strive to keep each NOW *short* and *concise*! Other suggestions with regard to writing style are given on page 3 of OML 2-93. Operational Guidelines for Short Term Forecast Display on the Weather Channel, issued by the Office of Meteorology in late 1994, gives specific details on coding and length of each NOW. Until further notice, ellipses will continue to be used in the text instead of commas.

The NOW will use the "Zone" or "Z" form of the Universal Generic Code. Our policy at Tulsa will be to write a segmented NOW with two or three fixed zone groupings, with county names accompanying each grouping. A single zone grouping can be used for the entire county warning area during fair weather with uniform weather conditions. Remember, issuing the NOW about five minutes before the top of the hour will be convenient to broadcasters on both NOAA Weather Radio and commercial radio.

Different weather scenarios or cases, as well as an example of a NOW from each case, are given on the following pages. These cases were developed locally and do not correspond to the cases given in OML 2-93. The first example shows how the county names are listed with each zone grouping. To avoid redundancy and save space, subsequent examples do not list the county names.

Frequency of Issuance of the Short Term Forecast

The table below is a guide for how often to issue the NOW. During clear weather, the NOW will be issued four times a day, and the suggested times of issuance are listed. For inclement weather, the issuances become more frequent, and the times of issuance will vary.

Case	Weather conditions	Suggested frequency
A.	CLR/SCT clouds, no pcpn or obstr. to vision, no sig winds, no pcpn in fcst	Four times a day; 6:30 a.m., 1:00 p.m., 7:00 p.m., and 11:00 p.m. local time
B.	BKN/OVC clouds, no pcpn or obstr. to vision, no sig winds, no pcpn in fcst	Every 4 to 5 hours
C.	Heat or wnd chill advzy in effect with no pcpn	Every 4 to 5 hours
D.	No pcpn or obstr. to vision, but gusty wnds with LWA or caution	Every 3 to 4 hours
E.	Any sky condition with no pcpn occurring, but with pcpn in forecast	Every 3 to 4 hours
F.	No pcpn or obstr. to vision, but fast moving arctic front crossing CWA	Every 2 hours
G.	No pcpn, but wdsprd dense fog or other obstr. to vision occurring	Every 2 to 3 hours Every 2 to 3 hours
H.	Pcpn occurring or is imminent in CWA. Includes any pcpn type as well as non-severe TRW	Every hour if TRW occurring Every 1 to 2 hours otherwise
I.	WSW in effect in 1st pd of fcst with no pcpn occurring Svr TRW, TOR, or FF Watch in effect with no TRW or R+ occurring yet	Every 2 hours Every hour
J.	Severe TRW occurring, with or without a watch	Every 30 minutes to 1 hour

Format of the Short Term Forecast

The following pages give guidelines for the forecast of the NOW and specific examples for illustration. These guidelines are flexible so that forecasters can format each NOW to best fit the current weather situation.

- **Cases A, B, C** — No precipitation. Keep the NOW as short as possible—limit to eight lines or less. Forecast temperatures for next two to six hours. Give frontal position forecasts if fronts in or near CWA. Headline can be used for case C, but not recommended for Case A or B.
- **Case D** — No precipitation but winds are gusty. Keep NOW short—usually eight lines. Give a forecast of wind direction and peak gusts for next two to three hours. Mentioning clouds or temperatures is optional. Headline can be used.
- **Case E** — No precipitation, but pops in forecast. Limit NOW length to eight lines. Give a forecast for sky condition and precipitation for the next three hours. Mentioning temperatures or winds is optional. Use of headlines not recommended.
- **Case F** — Fast moving arctic front with no precipitation. Limit NOW to eight lines. Give a two-hour forecast of frontal position. Mention temperature changes and wind changes that will occur with front. Headline can be used.
- **Case G** — Widespread obstruction to vision occurring over all or part of CWA with no significant precipitation. Limit NOW to eight lines or less. Give a three-hour forecast of visibilities and how they will change. Mention the chance for precipitation if it's expected, and winds if they're significant. Headline can be used.
- **Case H** — Precipitation is occurring or is imminent in the CWA. This case applies when precipitation is rain, snow, drizzle, etc., including non-severe thunderstorms. Limit NOW to one or two short paragraphs. The first paragraph should be eight or fewer lines and detail coverage, type, and intensity of the precipitation for the next hour. The first paragraph should be short and concise; *it should not read like a Radar Narrative Summary*. The double ampersand delimiter (&&) should be used as a turn-off code for The Weather Channel after the first eight lines. The second paragraph will be a forecast of where the precipitation will be in one to two hours. A headline can be used, and can be inserted before the .NOW... code.
- **Case I** — A severe thunderstorm, tornado, or flash flood watch is in effect; but no thunderstorms or heavy rain are occurring. Limit NOW to one medium length paragraph. Issue the NOW every hour or two, in this case, to predict location and timing of precipitation for the CWA. Give predicted movements of significant features such as cold fronts, drylines, etc. Briefly mention winds if they are forecast to be significant. Temperatures and sky conditions can be mentioned in those areas where storms are not expected. Use a headline if you have confidence in a fast-breaking situation, such as satellite indications of towering cumulus.

Issue the NOW about once every two hours when a winter storm watch or warning or a winter weather advisory is in effect for the first period of the forecast and no precipitation is occurring. The NOW should be one paragraph which focuses on the specific weather conditions corresponding to the watch, warning, or advisory that is in effect. A headline can be used to highlight the advisory, watch, or warning. Special Weather Statements should still be used to give updates on winter weather watches, warnings, or advisories.

- **Case J — This is the most important case where the media and public will rely on us for frequent updates when severe thunderstorms are ongoing over part of the CWA.** Complex situations may lead to a NOW up to three short paragraphs, but strive to keep each paragraph short and concise. The double ampersand delimiter (&&) should be inserted after the first eight lines if the NOW segment exceeds eight lines.

The first paragraph should tell where the most intense storms will be in the next 30 minutes to one hour; give precedence to the severe thunderstorms. If more than one paragraph is used, subsequent paragraphs should provide less urgent forecast information.

Winds should only be mentioned in regard to thunderstorm wind or outflow gusts. Temperatures should not be mentioned. The emphasis in this case is on the thunderstorms, so fronts or other boundaries should not normally be mentioned.

The NOW should *not* replace statements or other products that are issued for longer term events. For example, we *shall not* use a NOW to issue a Winter Storm Watch or to issue a follow-up statement to a Winter Storm Watch. However, the NOW should be issued in lieu of Special Weather Statements that would normally be issued for ongoing strong thunderstorms. The NOW may also replace *some* Severe Weather Statements; but the quick action, one or two line SVS should still be used when discussing extreme threats, such as giving updates on areas in the path of a tornado.

Headlines are encouraged during Case J episodes. The headline should emphasize the *most significant* storm or event occurring at the time. Headlines can be inserted before the .NOW... part of the text.

Try to be as specific as possible in this case. Try to mention cities that will be affected by the most significant storms in the next hour. The examples for this case illustrate how specific we need to be in our NOW during severe thunderstorm outbreaks.

Examples of Short Term Forecasts

Case A or B No precipitation occurring and none in forecast with neither obstructions to vision nor strong winds occurring.

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
700 PM CST TUE MAR 29 1994

ARZ001-002-010-011-019-029-OKZ054>076-300700-
BENTON AR-CARROLL AR-WASHINGTON AR-MADISON AR-CRAWFORD AR-
SEBASTIAN AR-OSAGE OK-WASHINGTON OK-NOWATA OK-CRAIG OK-OTTAWA OK-
PAWNEE OK-TULSA OK-ROGERS OK-MAYES OK-DELAWARE OK-CREEK OK-
OKFUSKEE OK-OKMULGEE OK-WAGONER OK-CHEROKEE OK-ADAIR OK-
MUSKOGEE OK-MCINTOSH OK-SEQUOYAH OK-PITTSBURG OK-HASKELL OK-
LATIMER OK-LE FLORE OK-

.NOW...
MOSTLY CLEAR SKIES WILL CONTINUE OVER EASTERN OKLAHOMA AND
WESTERN ARKANSAS THROUGH THIS EVENING. TEMPERATURES IN THE
50S AND LOWER 60S WILL FALL INTO THE MID AND UPPER 40S BY
1000 PM. WINDS WILL REMAIN FROM THE NORTH AT 5 TO 10 MPH.
\$\$

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
630 AM CST WED MAR 30 1994

ARZ001-002-010-011-019-029-OKZ054>076-3019000-
BENTON AR-CARROLL AR-WASHINGTON AR-MADISON AR-CRAWFORD AR-
SEBASTIAN AR-OSAGE OK-WASHINGTON OK-NOWATA OK-CRAIG OK-OTTAWA OK-
PAWNEE OK-TULSA OK-ROGERS OK-MAYES OK-DELAWARE OK-CREEK OK-
OKFUSKEE OK-OKMULGEE OK-WAGONER OK-CHEROKEE OK-ADAIR OK-
MUSKOGEE OK-MCINTOSH OK-SEQUOYAH OK-PITTSBURG OK-HASKELL OK-
LATIMER OK-LE FLORE OK-

.NOW...
SKIES WILL REMAIN MOSTLY CLOUDY OVER EASTERN OKLAHOMA AND
WESTERN ARKANSAS THROUGH MID MORNING...BUT NO PRECIPITATION
WILL OCCUR OVER THE AREA. TEMPERATURES WILL RISE INTO THE MID
AND UPPER 40S BY MID MORNING.
\$\$

Examples of Short Term Forecasts (Continued)

Case C or D No precipitation occurring, with some type of non-precipitation advisory in effect.

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
100 PM CDT FRI JUL 30 1993

ARZ001-002-010-011-019-029-OKZ054>076-310000-

.NOW...
...HEAT INDEX WILL RISE INTO DANGEROUS CATEGORY...
UNDER SUNNY SKIES...TEMPERATURES WILL RISE TO A RANGE OF 100
TO 105 BY 4 PM. THE HOT TEMPERATURES COMBINED WITH HIGH
HUMIDITIES WILL RESULT IN A DANGEROUS HEAT INDEX OVER ALL OF
EASTERN OKLAHOMA AND WESTERN ARKANSAS. THE HEAT INDEX MAY
REACH 110 OVER WESTERN ARKANSAS THIS AFTERNOON WHERE
HUMIDITIES ARE HIGHEST.
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OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
1000 AM CDT THU APR 7 1994

ARZ001-002-010-011-019-029-OKZ054>076-072100-

.NOW...
...A WIND ADVISORY IS IN EFFECT TODAY FOR EASTERN OKLAHOMA...
VERY STRONG WINDS WITH GUSTS UP TO 40 MPH ARE EXPECTED OVER
EASTERN OKLAHOMA AND WESTERN ARKANSAS THIS AFTERNOON. PARTLY CLOUDY
SKIES AND DRY CONDITIONS WILL CONTINUE THROUGH EARLY AFTERNOON.
WIND SPEEDS WILL INCREASE TO AVERAGE 20 MPH BY NOON...WITH HIGHER
GUSTS. WIND SPEEDS WILL BE STRONGEST OVER EASTERN OKLAHOMA.
\$\$

Examples of Short Term Forecasts (Continued)

Case E or F No precipitation occurring. Precipitation is mentioned in the ZFP (Case E) or a fast moving arctic front is moving through the CWA (Case F)

OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
630 PM CST MON MAR 28 1994

ARZ001-002-010-011-019-029-OKZ054>076-290300-

.NOW...

SKIES WILL BECOME MOSTLY CLOUDY NORTH OF AN OKMULGEE OKLAHOMA TO FAYETTEVILLE ARKANSAS LINE BY 9 PM. A FEW AREAS OF LIGHT RAIN WILL DEVELOP OVER OSAGE AND WASHINGTON COUNTIES IN OKLAHOMA BY 8 PM AND MOVE SOUTHEAST AT 15 MPH.

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OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
1000 AM CST WED DEC 7 1994

ARZ001-002-010-011-019-029-OKZ054>076-072100-

.NOW...

A STRONG ARCTIC COLD FRONT WILL MOVE TO A MCALESTER OKLAHOMA TO HARRISON ARKANSAS LINE BY NOON. NO PRECIPITATION WILL OCCUR WITH THE FRONT. TEMPERATURES WILL FALL INTO THE 20S OVER NORTHEAST OKLAHOMA BY NOON WITH NORTH WINDS GUSTING TO 35 MPH. TEMPERATURES WILL CLIMB INTO THE 60S SOUTH OF A MCALESTER OKLAHOMA TO FORT SMITH ARKANSAS LINE BY NOON.

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Examples of Short Term Forecasts (Continued)

Case G No precipitation occurring, but widespread dense fog or other obstruction to vision occurring across all or part of CWA

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
500 AM CST WED JAN 29 1995

ARZ001-002-010-011-019-029-OKZ054>076-291700-

.NOW...
AREAS OF DENSE FOG WITH VISIBILITIES LESS THAN 1/8 MILE WILL CONTINUE OVER NORTHWEST ARKANSAS AND EXTREME EASTERN OKLAHOMA THROUGH 800 AM. PATCHES OF DENSE FOG WILL DEVELOP OVER THE REST OF EASTERN OKLAHOMA BY 630 AM.

...A DENSE FOG ADVISORY IS IN EFFECT FOR EASTERN OKLAHOMA AND NORTHWEST ARKANSAS THIS MORNING...
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OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
330 PM CDT FRI APR 22 1994

ARZ001-002-010-011-019-029-OKZ054>076-230400-

...BLOWING DUST OVER NORTHEAST OKLAHOMA...
.NOW...
STRONG AND GUSTY SOUTHWEST WINDS WITH BLOWING DUST WILL CONTINUE OVER NORTHEAST OKLAHOMA AND SPREAD INTO NORTHWEST ARKANSAS THROUGH 5 PM. VISIBILITIES WILL BE REDUCED TO 1/2 MILE AND WINDS WILL GUST UP TO 45 MPH.

CLEAR SKIES WILL CONTINUE OVER EAST CENTRAL AND SOUTHEAST OKLAHOMA THROUGH 5 PM. SOUTHWEST WINDS WILL GUST UP TO 35 MPH AND TEMPERATURES WILL RANGE FROM 90 TO 95 DEGREES.
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Examples of Short Term Forecasts (Continued)

Case H Precipitation occurring or is imminent in the CWA. This case includes any precipitation as well as non-severe thunderstorms

OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
255 PM CST MON MAR 7 1994

ARZ001-002-010-011-019-029-OKZ054>076-080300-

.NOW...
RAIN AND THUNDERSTORMS WILL CONTINUE OVER PARTS OF EASTERN OKLAHOMA AND NORTHWEST ARKANSAS THROUGH 400 PM. OCCASIONAL LIGHT RAIN WILL AFFECT MOST OF THE AREA...BUT SCATTERED THUNDERSTORMS WILL CONTINUE IN AN AREA BETWEEN FAYETTEVILLE ARKANSAS AND MUSKOGEE OKLAHOMA. THE STORMS WILL MOVE EAST AT 25 MPH.

THE STRONGER STORMS WILL MOVE ACROSS THE WESTVILLE AREA AND INTO WASHINGTON COUNTY ARKANSAS BY 430 PM.
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OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
355 PM CST MON MAR 7 1994

ARZ001-002-010-011-019-029-OKZ054>076-072200-

.NOW...
WIDESPREAD LIGHT RAIN AND SCATTERED THUNDERSTORMS WILL CONTINUE OVER PARTS OF EASTERN OKLAHOMA AND WESTERN ARKANSAS THROUGH 500 PM. THUNDERSTORMS WILL MOVE OUT OF OKLAHOMA AND INTO CARROLL... MADISON...AND CRAWFORD COUNTIES IN ARKANSAS BY 530 PM. BRIEF HEAVY RAIN AND PEA SIZE HAIL WILL ACCOMPANY THESE THUNDERSTORMS. THE WESTERN EDGE OF THE PRECIPITATION AT 500 PM WILL EXTEND FROM JAY OKLAHOMA TO WILBURTON IN LATIMER COUNTY...WITH CLEARING SKIES TO THE WEST OF THE RAIN AREA.
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Examples of Short Term Forecasts (Continued)

Case H Precipitation occurring or is imminent in the CWA. This case includes any precipitation as well as non-severe thunderstorms

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
655 AM CST TUE MAR 8 1994

OKZ073>076-081900-

.NOW...
NUMEROUS AREAS OF MODERATE RAIN AND ISOLATED THUNDERSTORMS WILL OCCUR ACROSS SOUTHEAST OKLAHOMA THROUGH 10 AM. A THUNDERSTORM WITH VERY HEAVY RAIN WILL MOVE ACROSS LE FLORE COUNTY BETWEEN 730 AM AND 800 AM AND BRING UP TO ONE INCH OF RAIN TO THE POTEAU AREA. RAINFALL AMOUNTS IN OTHER AREAS WILL AVERAGE 1/3 INCH.
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ARZ001-002-010-011-019-029-OKZ054>072-081900-

.NOW...
LIGHT RAIN...MIXED WITH SLEET AND SNOW...WILL OCCUR IN AN AREA EXTENDING NORTH OF A LINE FROM HENRYETTA OKLAHOMA TO FORT SMITH ARKANSAS. PRECIPITATION WILL FALL PRIMARILY AS MODERATE SNOW OVER OSAGE...PAWNEE...WASHINGTON AND NOWATA COUNTIES IN OKLAHOMA. THE SNOW WILL ACCUMULATE UP TO 2 INCHES IN PARTS OF OSAGE AND PAWNEE COUNTIES BY 10 AM.
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OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
655 PM CDT WED APR 27 1994

ARZ001-002-010-011-019-029-OKZ054>076-280600-

.NOW...
AN ISOLATED THUNDERSTORM WILL MOVE NORTHEAST ACROSS OSAGE COUNTY IN OKLAHOMA BETWEEN 730 PM AND 830 PM. PEA SIZE HAIL AND VERY HEAVY RAIN WILL ACCOMPANY THIS THUNDERSTORM. RAINFALL AMOUNTS OF 1/2 INCH WILL SPREAD FROM FAIRFAX TO PAWHUSKA AS THE STORM MOVES NORTHEAST AT 20 MPH. MOSTLY CLEAR SKIES WITH TEMPERATURES IN THE 70S WILL CONTINUE OVER THE REST OF EASTERN OKLAHOMA AND WESTERN ARKANSAS THROUGH THIS EVENING.
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Examples of Short Term Forecasts (Continued)

Case I A winter storm watch/warning or winter weather advisory is in effect for the first period of the forecast and no precipitation is occurring

OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
1100 AM CST SUN JAN 16 1994

ARZ001-002-010-011-019-029-OKZ054>076-162300-

...FREEZING RAIN ADVISORY IN EFFECT FOR NORTHEAST OKLAHOMA...
.NOW...

NUMEROUS AREAS OF LIGHT FREEZING RAIN WILL DEVELOP OVER NORTHEAST OKLAHOMA THIS AFTERNOON. MOST OF THE PRECIPITATION WILL FALL OVER OSAGE...WASHINGTON...NOWATA...PAWNEE...AND TULSA COUNTIES THROUGH 200 PM. PARTLY CLOUDY SKIES WILL CONTINUE OVER SOUTHEAST OKLAHOMA AND NORTHWEST ARKANSAS. TEMPERATURES WILL REMAIN IN THE MID AND UPPER 20S OVER NORTHEAST OKLAHOMA AND NORTHWEST ARKANSAS...WITH READINGS CLIMBING INTO THE 30S OVER SOUTHEAST OKLAHOMA THIS AFTERNOON.
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OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
1100 PM CST TUE FEB 8 1994

ARZ001-002-010-011-019-029-OKZ054>076-090700-

.NOW...
...FREEZE WARNING IN EFFECT THROUGH TONIGHT...
TEMPERATURES WILL FALL TO RANGE FROM 5 TO 15 DEGREES OVER ALL OF EASTERN OKLAHOMA AND WESTERN ARKANSAS AFTER MIDNIGHT. A FEW AREAS IN NORTHEAST OKLAHOMA AND NORTHWEST ARKANSAS MAY SEE TEMPERATURES FALL TO NEAR ZERO BY SUNRISE WEDNESDAY.
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Examples of Short Term Forecasts (Continued)

Case I No precipitation occurring, but a severe thunderstorm, tornado, or flash flood watch is in effect

OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
300 PM CDT WED APR 20 1994

ARZ001-002-010-011-019-029-OKZ054>072-210200-

...SEVERE THUNDERSTORM WATCH UNTIL 800 PM...

.NOW...

RAPID THUNDERSTORM DEVELOPMENT IS EXPECTED BETWEEN 500 AND 600 PM OVER CRAIG...ROGERS...TULSA...AND CREEK COUNTIES IN OKLAHOMA. A SOUTHWARD MOVING COLD FRONT WILL TRIGGER THE THUNDERSTORMS. SOME STORMS WILL LIKELY BE SEVERE SOON AFTER THEY DEVELOP. A SEVERE THUNDERSTORM WATCH CONTINUES IN EFFECT UNTIL 8 PM FOR MOST OF NORTHEAST OKLAHOMA AND FOR BENTON AND WASHINGTON COUNTIES IN NORTHWEST ARKANSAS.

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OKZ073>076-210200-

.NOW...

PARTLY CLOUDY SKIES WITH TEMPERATURES IN THE 80S WITH HIGH HUMIDITY WILL CONTINUE THROUGH 500 PM.

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OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
430 PM CDT WED APR 20 1994

ARZ001-002-010-011-019-029-OKZ054>076-202200-

...A SEVERE THUNDERSTORM WATCH IS IN EFFECT UNTIL 800 PM FOR PARTS OF NORTHWEST ARKANSAS AND MOST OF NORTHEAST OKLAHOMA...

.NOW...

THUNDERSTORMS WILL DEVELOP RAPIDLY OVER NOWATA AND ROGERS COUNTIES IN NORTHEAST OKLAHOMA BETWEEN 445 PM AND 500 PM. BY 500 PM...A LINE OF STRONG AND SEVERE THUNDERSTORMS WILL DEVELOP BETWEEN OWASSO... OOLOGAH AND NOWATA AND MOVE EAST AT 50 MPH. BY 600 PM...A 15 MILE WIDE LINE OF THUNDERSTORMS WILL EXTEND FROM NEAR VINITA TO BRISTOW. HAIL UP TO GOLFBALL SIZE AND WIND GUSTS TO 65 MPH CAN BE EXPECTED AS THIS LINE MOVES EAST.

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Examples of Short Term Forecasts (Continued)

Case J Severe thunderstorms occurring over any part of the CWA, with or without a watch in effect

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
530 PM CDT WED APR 20 1994

ARZ001-002-010-011-019-029-OKZ054>076-210500-

.NOW...

A LINE OF SEVERE THUNDERSTORMS WILL CONTINUE TO MOVE EAST AT 50 MPH ACROSS NORTHEAST OKLAHOMA. LARGE HAIL AND WIND GUSTS UP TO 65 MPH CAN BE EXPECTED ACROSS CRAIG...ROGERS...SOUTHERN TULSA...MAYES AND WAGONER COUNTIES UNTIL 630 PM.

THE LINE OF STORMS WILL EXTEND FROM GROVE TO HENRYETTA AT 630 PM. THE STORMS WILL MOVE INTO EAST CENTRAL OKLAHOMA AND NORTHWEST ARKANSAS BY 730 PM.

&&

...A SEVERE THUNDERSTORM WATCH IS IN EFFECT UNTIL 800 PM FOR MOST OF NORTHEAST OKLAHOMA AND PART OF NORTHWEST ARKANSAS...
\$\$

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
600 PM CDT WED APR 20 1994

ARZ001-002-010-011-019-029-OKZ054>076-210600-

.NOW...

...FAST MOVING SEVERE THUNDERSTORMS ACROSS NORTHEAST OKLAHOMA...

A 15 MILE WIDE LINE OF SEVERE THUNDERSTORMS WILL EXTEND FROM ROGERS ARKANSAS TO EUFAULA OKLAHOMA AT 700 PM. DAMAGING WINDS AND HAIL UP TO 2 INCHES IN DIAMETER WILL OCCUR ALONG THIS LINE OF THUNDERSTORMS. THE LINE OF STORMS WILL MOVE THROUGH THE SILOAM SPRINGS...TAHLEQUAH OKLAHOMA...AND MUSKOGEE AREAS BETWEEN 630 AND 700 PM.

&&

...A SEVERE THUNDERSTORM WATCH IS IN EFFECT UNTIL 800 PM FOR MOST OF NORTHEAST OKLAHOMA AND PART OF NORTHWEST ARKANSAS...
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Examples of Short Term Forecasts (Continued)

Case J Severe thunderstorms occurring over any part of the CWA, with or without a watch in effect

OKCNOWTUL
TTAA00 KTUL DDHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
430 PM CDT SAT APR 2 1994

ARZ001-002-010-011-019-029-OKZ054>072-030400-

...A TORNADO WARNING IS IN EFFECT FOR WASHINGTON COUNTY ARKANSAS UNTIL 515 PM...

.NOW...

A LARGE SEVERE THUNDERSTORM WILL MOVE ACROSS THE SOUTHERN PART OF WASHINGTON COUNTY ARKANSAS. THIS STORM COULD PRODUCE A TORNADO AT ANY TIME.

SCATTERED SHOWERS AND STRONG NORTHWEST WINDS WILL CONTINUE OVER NORTHEAST OKLAHOMA BEHIND A COLD FRONT. FREQUENT GUSTS TO 40 MPH ARE EXPECTED IN THE TULSA AND BARTLESVILLE AREAS BETWEEN 5 AND 6 PM.

&&

...A TORNADO WATCH CONTINUES IN EFFECT FOR WESTERN ARKANSAS AND PARTS OF EASTERN OKLAHOMA UNTIL 10 PM...

\$\$

OKZ073>076-030400-

.NOW...

...A TORNADO WATCH CONTINUES IN EFFECT FOR WESTERN ARKANSAS AND PARTS OF EASTERN OKLAHOMA UNTIL 10 PM...

A SEVERE THUNDERSTORM WILL MOVE FROM NORTHERN PITTSBURG COUNTY INTO WESTERN HASKELL COUNTY BETWEEN 5 AND 6 PM. GOLF BALL SIZE HAIL CAN BE EXPECTED WITH THIS STORM AS IT MOVES ACROSS THE QUINTON AND KINTA AREAS.

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Examples of Short Term Forecasts (Continued)

Case J Severe thunderstorms occurring over any part of the CWA, with or without a watch in effect

OKCNOWTUL
TTAA00 KTUL DDHHMM

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE TULSA OK
215 PM CDT WED APR 27 1994

ARZ001-002-010-011-019-029-OKZ054>076-280000-

.NOW...

AN ISOLATED SEVERE THUNDERSTORM WILL MOVE ACROSS EASTERN OSAGE AND INTO WASHINGTON COUNTY OKLAHOMA BETWEEN 230 PM AND 300 PM. LARGE HAIL AND WIND GUSTS TO 60 MPH WILL OCCUR IN AN AREA BETWEEN BARNSDALL AND BARTLESVILLE.

WIDELY SCATTERED THUNDERSTORMS WILL DEVELOP BETWEEN 3 AND 4 PM OVER NORTHEAST OKLAHOMA AND NORTHWEST ARKANSAS. SOME OF THE STORMS MAY BECOME SEVERE BY 4 PM AND PRODUCE LARGE HAIL.
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