FIRE WEATHER FORECASTS FROM YOUR NATIONAL WEATHER SERVICE

Seth Nagle
Senior Forecaster/Fire Weather Program Leader
National Weather Service, San Angelo, TX
What We Provide

- Fire Weather Planning Forecasts
- Red Flag Warnings/Fire Weather Watches
- Written Spot Forecasts
- Verbal Briefings
- Digital Data
- Multimedia Briefings
- Graphical Forecasts (Graphicasts)
- Hazardous Weather Outlook
- Special Weather Statements
Navigating Our Website

- We’ve made some changes (icons)
  - Trying to make navigation simpler
  - Main Page and Fire Weather Icon Page
- Still have legacy options
Scattered Storms again on Sunday

Storms begin after 3pm... become more widespread during the evening.

Very Large hail the main threat... hail larger than golfballs possible
### Fire Weather Point Forecast Matrices

#### National Weather Service San Angelo TX

**324 AM CDT FRI MAY 27 2011**

**TX2076-272215-**

**Barnhart Rams-Crockett TX**

**30.99N 101.16W ELEV. 2562 FT**

**324 AM CDT FRI MAY 27 2011**

<table>
<thead>
<tr>
<th>DATE</th>
<th>FRI 05/27/11</th>
<th>SAT 05/28/11</th>
<th>SUN 05/29/11</th>
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<td>17 16 14</td>
<td>9 14 12 10</td>
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<td>EX EX EX PR</td>
<td>FR PR FR VG</td>
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### Fire Weather Forecasts

**DATE** | **MON 05/30/11** | **TUE 05/31/11** | **WED 06/01/11** | **THU 06/02/11**
---|------------------|------------------|------------------|------------------|
**UTC 6HRLY** | 06 12 18 00 06 12 18 00 06 12 18 00 06 12 18 00 |
**CDT 6HRLY** | 01 07 13 19 01 07 13 19 01 07 13 19 01 07 13 19 |
**MIN/MAX** | 73 93 71 93 68 92 67 93 |
**TEMP** | 83 73 86 93 79 71 85 93 78 68 84 92 73 67 89 91 |
**DEWPT** | 64 64 63 63 67 64 63 60 65 65 34 48 53 55 41 40 |
**MAX/MIN RH** | 73 37 79 33 90 22 65 16 |
**RH** | 53 73 46 37 67 79 48 33 54 90 34 22 49 65 19 17 |
**FWIND DIR** | S S SE SE SE SE SE S S |
**WIND CHAR** | 15> 15> 15> 15> <15 <15 <15 <15 <15 <15 |
**AVG CLOUDS** | SC SC SC B1 B1 B1 B1 SC SC SC SC SC SC |
**POP 12HR** | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |
SAN ANGELO SPOT FORECASTS for Tuesday May 24 2011

Submit a new Spot Request

<table>
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<tr>
<th>Name</th>
<th>Ignition Time</th>
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National Oceanic and Atmospheric Administration (NOAA)
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<tr>
<th>TDA</th>
<th>TNT</th>
<th>TMR (Today, Tonight, Tomorrow)</th>
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- Sky / Weather
- Temperature
- Relative Humidity
- 20 Foot Wind
- Smoke Dispersion

**Remarks**
NOAA Smoke Forecasting System

The NOAA Smoke Forecasting System integrates the NOAA National Environmental Satellite, Data and Information Services satellite information on the location of wildfires with NOAA National Weather Service weather inputs from the North American Mesoscale model and smoke dispersion simulations from the NOAA ARL HYSPLIT model to produce a daily 48-hour prediction of smoke transport and concentration. The model also incorporates U.S. Forest Service estimates for wildfire smoke emissions based on vegetation cover. This system is intended as guidance to air quality forecasters and the public for fine particulate matter emitted from large wildfires and agricultural burning which can elevate particulate concentrations to unhealthy levels.

- Current Smoke Forecast - Current smoke forecasts being produced by NOAA.
- Smoke Verification - Use of satellite imagery to verify smoke forecasts.
- HYSPLIT Model Details - Brief description of the Smoke Forecasting System.
- Relevant Links - Resources for monitoring forest and wildland fires and smoke.

Papers, Posters, and Presentations


THANK YOU!
ANY QUESTIONS?

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