New SPOT Program
Customer Tutorial

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Live Demonstration

http://www.weather.gov/spo/
Live Demonstration

http://www.weather.gov/spot/

From NWS Tallahassee Fire Weather Webpage, you can access the new SPOT here.
Front Page Changes

- Users now access **ONE** national page.
- Eliminates need for 122+ start pages
- Ensures correct office gets request
- User can monitor areas covering multiple forecast areas

New Interface

Back to NWS Tallahassee Fire Weather Page

TALLAHASSEE SPOT FORECASTS

for

Saturday
\(\uparrow\) Sep 24 2016 \(\downarrow\)

Submit a new Spot Request

<table>
<thead>
<tr>
<th>Name</th>
<th>Ignition Time</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>No Entries</strong></td>
</tr>
</tbody>
</table>
Submit SPOT Request

Spot Forecast Request

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Incident and Decision Support Forecast Request

This site is the National Weather Service interface to requesting, filling, and monitoring spot forecasts issued by our Forecast Offices and National Centers.

Click here to provide 'Spot Webpage Testing Feedback'

Interactive Request:
Request a spot forecast using an interactive map, with or without a Lat/Lon of the incident.

Monitor:
Use this to monitor existing spot requests and forecasts.
Incident Location Interface

Step 1: Establish incident location using A or B below.

A. Set request location using nearest street address.

- OR -

B. Set request location using latitude & longitude, USNG, or drag the map pointer to spot location below.

- Uses *drag and drop* marker to spot location, including zoom capability.

- Three geographic location boxes will prefill based on placement of marker:
  - Lat/Lon – Decimal Degrees
  - Lat/Lon – Deg/Min/Sec
  - U.S. National Grid Coordinates

- The user can also enter this information manually using format of choice.
  - Other two boxes will prefill, and map will zoom to help refine location if needed.
Incident Type Options

Step 2: Select the incident type for the request.

- New step is to select the incident type like “Wildfire” or “HAZMAT Land”.
- Selection is important because it determines what weather elements will be offered to the customer on the next page of the request form.
- This is a major enhancement over the old page. For example, marine elements are not needed for wildfire requests.

Once Clicked, page 2 of the interface appears.
SPOT Forecast Contact Info.

Spot Forecast Incident Type: Prescribed Fire

- Required fields are highlighted in red.
- Top section added a field for email address.
- The “Reason for Fire SPOT Request” section shown in the example will disappear for non-fire requests.
● Required fields are highlighted in red.
● Location & elevation are extracted from the first page.
● The “Supplemental Info” section shown in the example will disappear for non-fire requests.
SPOT Forecast Information

When you want the SPOT product from the NWS

When you want the forecast to begin for your incident. (replaces Ignition Time)

- “Forecast Starting” time can only be within 24 hours of “Deliver Forecast” time.

### Delivered Forecast

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/25/2016</td>
<td>As Soon As Possible</td>
</tr>
</tbody>
</table>

### Forecast Starting

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/25/2016</td>
<td>09:00</td>
</tr>
</tbody>
</table>
Each incident type has a required minimum set of forecast elements that must be offered.

Additional elements may be offered by incident type.
Hysplit Feature

There is a radio button on the Spot Request page to request a HYSPLIT Trajectory run.

The HYSPLIT model will run per its current defaults in the current spot webpage.

The output is emailed to the address input at the top of the request form.

NOTE: There may be more options available to customize these runs in the future.

Emailed product does not provide dispersion or concentration. Please contact your local NWS if you need this product.

Example of Output from Email

Example graph showing forward trajectories starting at 1400 UTC 25 Sep 16.
Observation entry is a bit more standardized with the use of dropdown menus.

Pressing the submit button will send a STQ notification message to the WFO just like the old web page did.
DISCUSSION...

PRECIPITATION IS NOT EXPECTED AT THE BURN SITE TODAY. IF SHOWERS AND THUNDERSTORMS WERE TO DEVELOP...THE BETTER CHANCES WOULD BE WEST AND SOUTH OF THE BURN SITE...CloSER TO THE COAST. WINDS WILL GENERALLY BE FROM THE NORTH TODAY. MINIMUM RH VALUES THIS AFTERNOON SHOULD BE IN THE MID 40 PERCENT RANGE.

.TODAY...

<table>
<thead>
<tr>
<th>TIME (EDT)</th>
<th>9 AM</th>
<th>11 AM</th>
<th>1 PM</th>
<th>3 PM</th>
<th>5 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKY COVER...</td>
<td>MCLEAR</td>
<td>MCLEAR</td>
<td>PCLDY</td>
<td>PCLDY</td>
<td>PCLDY</td>
</tr>
<tr>
<td>WEATHER COV...</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
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<tr>
<td>TEMP.........</td>
<td>77</td>
<td>85</td>
<td>89</td>
<td>91</td>
<td>92</td>
</tr>
<tr>
<td>RH............</td>
<td>79</td>
<td>63</td>
<td>54</td>
<td>49</td>
<td>46</td>
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<tr>
<td>20 FT WIND.....</td>
<td>N 3</td>
<td>N 3</td>
<td>N 6</td>
<td>N 7</td>
<td>N 7</td>
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<tr>
<td>20 FT WIND GUST.5</td>
<td>5</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>MIX HGT (FT)...</td>
<td>1800</td>
<td>4600</td>
<td>6000</td>
<td>6800</td>
<td>7000</td>
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<tr>
<td>TRANSPORT WIND..</td>
<td>NW 3</td>
<td>NW 8</td>
<td>NW 8</td>
<td>NW 9</td>
<td>N 7</td>
</tr>
<tr>
<td>DISPERSION IDX..</td>
<td>8</td>
<td>42</td>
<td>52</td>
<td>64</td>
<td>49</td>
</tr>
<tr>
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<td>0</td>
<td>0</td>
<td>10</td>
<td>10</td>
<td>10</td>
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</table>

.TONIGHT...

<table>
<thead>
<tr>
<th>TIME (EDT)</th>
<th>6 PM</th>
<th>8 PM</th>
<th>10 PM</th>
<th>MIDNIGHT</th>
<th>2 AM</th>
<th>4 AM</th>
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</thead>
<tbody>
<tr>
<td>SKY COVER...</td>
<td>PCLDY</td>
<td>PCLDY</td>
<td>PCLDY</td>
<td>PCLDY</td>
<td>MCLEAR</td>
<td>MCLEAR</td>
</tr>
<tr>
<td>WEATHER COV...</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>TEMP.........</td>
<td>89</td>
<td>84</td>
<td>81</td>
<td>78</td>
<td>76</td>
<td>75</td>
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<tr>
<td>RH............</td>
<td>52</td>
<td>65</td>
<td>72</td>
<td>82</td>
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<td>87</td>
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<tr>
<td>20 FT WIND.....</td>
<td>N 6</td>
<td>N 5</td>
<td>SW 2</td>
<td>S 2</td>
<td>SE 2</td>
<td>NE 1</td>
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<tr>
<td>20 FT WIND GUST.10</td>
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<td>5</td>
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<td>5</td>
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<td>2500</td>
<td>1100</td>
<td>400</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>TRANSPORT WIND..</td>
<td>N 7</td>
<td>E 5</td>
<td>E 5</td>
<td>SE 3</td>
<td>E 2</td>
<td>E 2</td>
</tr>
<tr>
<td>DISPERSION IDX..</td>
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<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CWFR...........</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

.SATURDAY...

<table>
<thead>
<tr>
<th>TIME (EDT)</th>
<th>6 AM</th>
<th>8 AM</th>
<th>10 AM</th>
<th>NOON</th>
<th>2 PM</th>
<th>4 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKY COVER...</td>
<td>Mclear</td>
<td>PCLDY</td>
<td>PCLDY</td>
<td>PCLDY</td>
<td>PCLDY</td>
<td>PCLDY</td>
</tr>
<tr>
<td>WEATHER COV...</td>
<td>S CHC</td>
<td>S CHC</td>
<td>S CHC</td>
<td>S CHC</td>
<td>S CHC</td>
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Monitor SPOT Request

Spot Forecast Request

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### SPOT Monitor Interface

**NWS Spot Forecast Monitor**

![Map of the Southeastern United States with various icons indicating different types of spots.]

**Spot Monitor Legend**
- **W**: Wildfire
- **P**: Prescribed
- **H**: Hazmat
- **S**: SAR
- **M**: Marine

**Active Spot Forecasts**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type/Start Time</th>
<th>Status</th>
<th>WFO</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWS TAE TEST</td>
<td>Prescribed 2016-09-25 10:00 AM EDT</td>
<td>Request pending</td>
<td>TAE</td>
<td>Change Request</td>
</tr>
<tr>
<td>Test Test Test</td>
<td>HAZMAT</td>
<td>Request pending: Question asked</td>
<td>CHS</td>
<td>Submit Obs</td>
</tr>
<tr>
<td>TEST TEST TEST</td>
<td>HAZMAT</td>
<td>Request pending</td>
<td>CHS</td>
<td>Submit Obs</td>
</tr>
</tbody>
</table>
New vs. Old Monitor Interfaces

Old Monitoring Interface

New Spot Request Form Operational on October 17, 2016
This page will be replaced on October 17, 2016 by a new and improved version of this page

TALLAHASSEE
SPOT FORECASTS

for
Sunday
Sep 25 2016

Submit a new Spot Request

Name | Ignition Time | Status
--- | --- | ---
No Entries

- Multiple requests for the same incident clutter up the display with multiple lines.

New Monitoring Interface

- One line per incident. Only the latest forecast available.
- All incidents on one page.
- Map uses Google API ➔ can zoom in and out/shift map.
- Set your monitoring area by zooming/panning.
- Bookmark this link to monitor your selected area.
- Requests can be corrected via “Change Request.”
- “Submit Obs” feature added
- When an incident is finished, it is closed by the forecast office.
- Data moved into archive.
Submit Observations

This allows customers to enter observations for an incident without having to submit a new request.

All observations for the incident will be databased and available to the forecaster.

Forecasters will not need to look at multiple requests to analyze observations.
Access your SPOT

NWS Spot Forecast Monitor

Active Spot Forecasts

<table>
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<th>WFO</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWS TAE TEST</td>
<td>Prescribed 2016-09-25 10:00 AM EDT</td>
<td>Completed: 2016-09-25 9:22 AM EDT</td>
<td>TAE</td>
<td>Submit Obs</td>
</tr>
<tr>
<td>Test Test Test</td>
<td>HAZMAT</td>
<td>Request pending: Question asked</td>
<td>CHS</td>
<td>Submit Obs</td>
</tr>
<tr>
<td>TEST TEST TEST</td>
<td>HAZMAT</td>
<td>Request pending</td>
<td>CHS</td>
<td>Submit Obs</td>
</tr>
</tbody>
</table>

Submit New Spot Request

- Calendar

Spot Monitor Legend

- W = Wildfire
- P = Prescribed
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- S = SAR
- M = Marine

Completed
Pending
Question

Click to access
Access your SPOT

- No significant changes to resultant forecast product format.
- If observations are taken on incident (encouraged), they will appear here.
Future SPOT Requests

- Scroll down to the bottom of your SPOT Forecast.
- There are 3 options you can select to help expedite a new SPOT request.
- There are 2 new features:
  1. Copy Info to New Spot Request for this Incident
  2. Request Immediate Forecast Update.
● If the forecast is not representative of current conditions, click this link to get an immediate updated forecast.

● The customer, not the NWS forecaster, will be allowed to edit the information related to the request.

● There will be opportunity to enter in new observations.

● If the customer realizes that the forecast is off, then it would be nice to submit an observation that would help the NWS create a new forecast.
Copy Info to New SPOT

Copy Info to SPOT Request for a New Incident
- Use this link to retain all contact information for a specific incident type, but request a spot for a new and separate incident.

Copy Info to NEW SPOT for this Incident
- Use this link to get another forecast for the same incident (cannot change lat/lon).
- Unlike “Request Immediate Forecast Update”, the customer will get Page 2 of the request process. Weather elements can be adjusted and the forecast delivery date/time can be changed, etc.
- This allows customers to easily schedule the next needed forecast for an incident without having to re-enter most of the information.
- Allows new observations submitted to remain with the request.

Copy Info to NEW SPOT Request for this Incident
• Bookmark the new page, and start using:  http://www.weather.gov/spot/

• New features on the SPOT website, but forecast product remains the same.

• Go-to operational date of the new SPOT site will be on Oct. 17th this year.

• Questions/Comments?

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