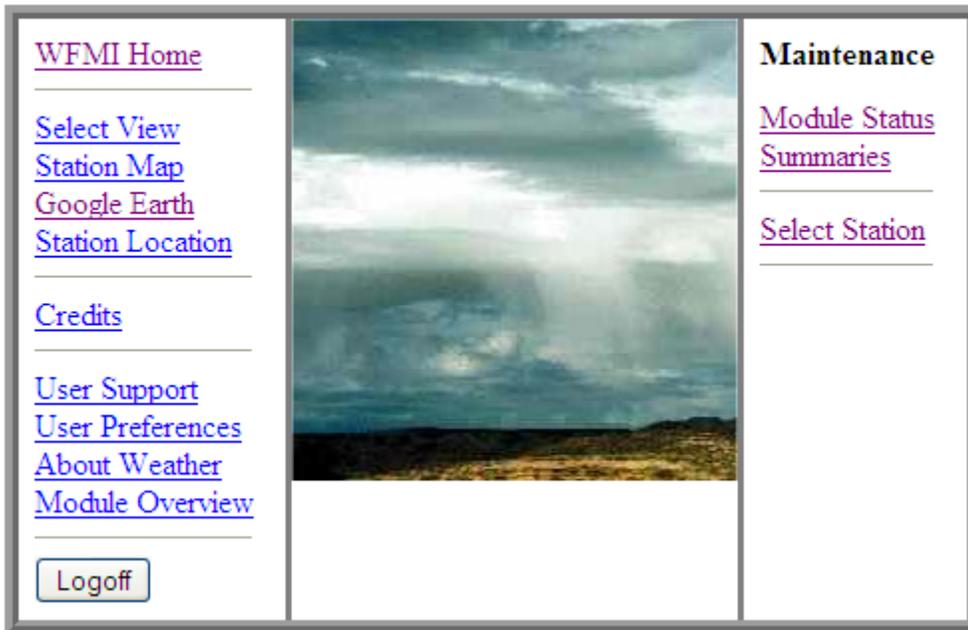


Wildland Fire Management Information (WFMI) Weather - Lesson 5: Station

The WFMI Weather module allows users to display the weather data from Remote Automated Weather Stations (RAWS). If the user has edit access to WFMI Weather, there will be links shown on the left and right side of the weather image, as shown below.

Weather



This document describes the Station page, which is accessed by clicking on the Select Station link and then selecting a station. For more information on how to select a station, see lesson 4.

Station

The Station page displays the station's metadata.

Weather - Station: PIERCE, ID (32374254)

Name: PIERCE	Observations	NAMS - Place an Order
State: ID	Messages	NAMS - Post-trip Update
NESDIS ID: 32374254	Message Detail	NAMS - RAWs Asset Report
NWS ID (WIMS Station ID): 100711	Station Events	NAMS - Update Notes
Agency: USFS	Metadata Change History	NAMS - Update Route
Region: 01	Print Friendly Description	
Unit: NEZ PERCE-CLEARWATER	Map	
Last Modified: 12/17/2013 22:37 UTC	Google Earth	
Last Observation: 04/02/2014 13:52 UTC	Fund Source Cost Accounting	
Status: Active	Enable Edit Mode	

PIERCE, ID (32374254) *Current*

General Information		Owner and Maintenance Information	
<i>State:</i> Idaho		<i>Agency:</i> USFS	
<i>County:</i> Clearwater		<i>Region:</i> 01	

At a quick glance, the top left side of the Station page shows some basic information about the station.

Name:	PIERCE
State:	ID
NESDIS ID:	32374254
NWS ID (WIMS Station ID):	100711
Agency:	USFS
Region:	01
Unit:	NEZ PERCE-CLEARWATER
Last Modified:	12/17/2013 22:37 UTC
Last Observation:	04/02/2014 13:52 UTC
Status:	Active

The Last Modified field shows when something was last changed in the station record. The Last Observation shows the last time data was transmitted from the station and received by WFMI weather. If the field is red colored, the data is not current in WFMI, as show in this example:

Last Observation: 04/29/2011 23:30 UTC

The top right side of the Station page has many buttons to view or edit data.

Observations	NAMS - Place an Order
Messages	NAMS - Post-trip Update
Message Detail	NAMS - RAWs Asset Report
Station Events	NAMS - Update Notes
Metadata Change History	NAMS - Update Route
Print Friendly Description	
Map	
Google Earth	
Fund Source Cost Accounting	
Enable Edit Mode	

Depending on the permissions (Role), the user can view additional data or edit the station's metadata, order sensors, and update post-trip documentation.

What can I view in WFMI Weather about my station?

The following buttons are available for users with at least view access.

Observations

This page shows the last 24 hours of observations from the station.

Weather - Observations: 06/03/2011 15:59:38 UTC

Summary	Observations
Description	Show the observations for one or more stations. The user can select the stations, time period and output elements. For each observation the user can choose to view the detailed page for the message that produced the observation.
Selection Criteria	<ul style="list-style-type: none"> Time period: 06/02/2011 15:59 (153) UTC - 06/03/2011 15:59 (154) UTC Station: PIERCE, ID (32374254)

[Change Selection Criteria](#)

PIERCE, ID (32374254) [Station Page](#) 06/02/2011 15:59 (153) UTC to 06/03/2011 15:52 (154) UTC

Observation Time (UTC)	RNIN	WSM	WDD	ATF	FTF	RHP	BVV	WDDP	WSMP	SRW	
06/03/2011 15:52:21 (154)	4.28	1.0	109.0	49.0	48.0	81.0	14.2	113.0	6.0	259.0	Message
06/03/2011 14:52:21 (154)	4.28	0.0	109.0	45.0	46.0	91.0	14.2	112.0	6.0	140.0	Message
06/03/2011 13:52:21 (154)	4.28	0.0	70.0	43.0	43.0	100.0	12.8	67.0	0.0	61.0	Message
06/03/2011 12:52:21 (154)	4.28	0.0	79.0	41.0	42.0	100.0	12.5	74.0	0.0	5.0	Message
06/03/2011 11:52:21 (154)	4.28	0.0	73.0	41.0	42.0	100.0	12.4	74.0	0.0		Message

By using the Change Selection Criteria button, observations for one or more stations can be selected in addition to a longer or shorter time period and determining which outputs to view. To find out more information about the element abbreviations, click on the blue links at the top of the column (example, RNIN).

Messages

The Messages summary shows the messages from DCS (Data Collection System) Administration and Data Distribution System (DADDS) for this station.

Weather - Messages: 06/03/2011 16:02:00 UTC

Summary	Messages
Description	Show the messages for one or more stations. The user can select the stations, time period and message type. For each message the user can choose to view the detailed page for that message.
Selection Criteria	<ul style="list-style-type: none"> Time period: 06/02/2011 16:01 (153) UTC - 06/03/2011 16:02 (154) UTC Station: PIERCE, ID (32374254)

[Change Selection Criteria](#)

Transmit Time (UTC)	Failure Code	Signal Strength	Frequency Offset	Modulation Index	Data Quality	Channel Received	GOES Spacecraft	Uplink Carrier Status	Message Data Length	Data Source	Clock	Format
---------------------	--------------	-----------------	------------------	------------------	--------------	------------------	-----------------	-----------------------	---------------------	-------------	-------	--------

PIERCE, ID (32374254) [Station Page](#)

06/03/2011 15:52:21 (154)	Good message (G)	42	-1	Normal (N)	Normal (N)	52	W	FF	57	DADDS	Internal	ASCII	Me
06/03/2011	Good									Ucom	inary		

This is information about the transmission of data from the station through the Geostationary Operational Environmental Satellite (GOES).

Message detail

This page includes the message header information (as described above) and includes the raw data (Message) from the station.

Weather - Message Detail: PIERCE, ID (32374254) 06/03/2011 15:52:21 UTC

Step through messages for this station

Header		Message
NESDIS ID	32374254	3237425411154155221G42-1NN052WFF00057 ↓↓
Transmit Time (UTC)	06/03/2011 15:52:21 (154)	04.28 ↓↓
Failure Code	Good message (G)	001 ↓↓
Signal Strength	42	109 ↓↓
Frequency Offset	-1	049 ↓↓
Modulation Index	Normal (N)	048 ↓↓
Data Quality	Normal (N)	081 ↓↓
Channel Received	52	14.2 ↓↓
GOES Spacecraft	W	113 ↓↓
Uplink Carrier Status	FF	006 ↓↓
Message Data Length	57	00259 ◊
Data Source	DADDS	

The user can select previous messages from the station with the Older button.

Station events

This page shows the system events associated with this station.

Weather - Station Events: 06/03/2011 16:16:07 UTC

Summary	Station Events
Description	Select and display station events
Selection Criteria	<ul style="list-style-type: none"> Time period: 05/24/2011 00:00 (144) UTC - 05/25/2011 00:00 (145) UTC Station: PIERCE, ID (32374254)

Event Time (UTC)	Obs/Tx Time (UTC)	Station Event Subtype	Element	Message
PIERCE, ID (32374254) <input type="button" value="Station Page"/>				
05/24/2011 14:52:44 (144)	05/24/2011 14:52:21 (144)	Maximum number of hours without a change exceeded	Windspeed (WSM)	The current reading (0.0) has not changed in the last 11 hours <input type="button" value="Message"/>
				The current reading (0.0) has not changed in the last 11 hours

Station events describe data transmission errors and anomalous events. The events are emailed weekly on Mondays to the user(s) based on the email list for the station. The user can view station events details on this page without having to wait for one to be

emailed. The Change Selection Criteria button can be selected if a longer or shorter set of events are needed.

Metadata change history

All edits/changes to the station metadata are recorded in WFMI Weather, including the data and time, the user who made the change, and what was changed.

Weather - Metadata Change History: 06/03/2011 16:18:30 UTC

Summary	Metadata Change History
Description	Show the changes made to RAWS station metadata over time
Selection Criteria	<ul style="list-style-type: none"> • Time period: 05/27/2011 16:18 (147) UTC - 06/03/2011 16:18 (154) UTC • Station: PIERCE, ID (32374254)

Change Selection Criteria

Modified Time (UTC)	Modified By	Field	From	To	PDT
---------------------	-------------	-------	------	----	-----

Use the Change Selection Criteria button to select a longer or shorter history of changes.

Print friendly description

This page displays the station metadata in a format that can be printed.

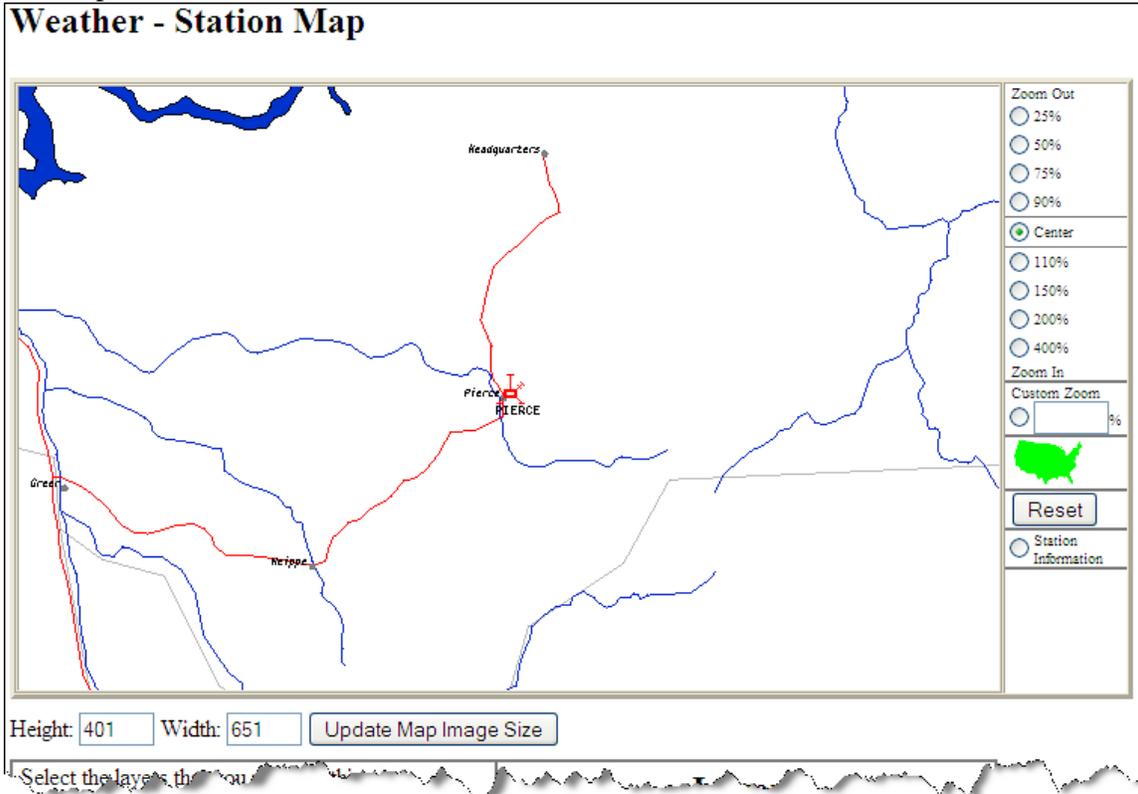
Weather - Station Description

PIERCE, ID (32374254) *Current*

General Information		Owner and Maintenance Information	
<i>State:</i>	Idaho	<i>Agency:</i>	USF
<i>County:</i>	Clearwater	<i>Region:</i>	01
<i>NESDIS ID:</i>	32374254	<i>Unit:</i>	NEZ
<i>NWS ID (WIMS Station ID):</i>	100711	<i>SubUnit:</i>	PIE
<i>Installed Date:</i>	10/01/1985	<i>DADDS Group:</i>	DA
<i>Status:</i>	Active	<i>Field Maintenance Agency:</i>	USF
<i>Category:</i>	Permanent (1)	<i>Maintenance Contract:</i>	Depo
<i>Station Purpose:</i>	FIRE	<i>Contract Cost:</i>	\$90
<i>Maintenance Standards?</i>	Yes	<i>Maintenance Paid by Agency:</i>	
Location Information		<i>Fund Source:</i>	
<i>Latitude:</i>	46:29:47.16 (46.496433) North	<i>Point Of Contact:</i>	Mark
<i>Longitude:</i>	115:47:44.02 (115.795561) West		(20
Site Information		<i>Alternate Point of Contact:</i>	Nea
<i>Elevation:</i>	3085 feet		(20
<i>Slope:</i>	0 perc		

Map

The map shows the location of the station.



Google earth

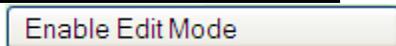
This allows the user to create a file showing the location of the station, which may then be opened in Google Earth.



Do I have edit access in WFMI weather for my stations?

If the user has edit access to a station, the following buttons should appear on the Station page.

Enable Edit Mode button



This button will put the station into edit mode and allow changes to be made to the station's metadata. Once that is selected, the user can edit metadata using the Edit

Metadata button. This button will take the user to the Edit Metadata page for the station and allow editing for fields that permission has been granted, based on Role. The Update Station Metadata and Cancel buttons are located at the bottom of the Edit Metadata page. If changes were made to the metadata, a page will display those changes and allows the user to commit (save) the changes or cancel.

National Interagency Fire Center (NIFC) Asset Management System (NAMS)

The WFMI Weather module is linked to NAMS to allow the user to update or request data in NAMS through a WFMI Weather interface. *NAMS ordering and post-trip are discussed in lessons 6 and 7.*

NAMS - RAWS Asset Report

The asset report includes information about the station, including site description, notes, narrative, route, and sensors.

Weather - NAMS - RAWS Asset Report: PIERCE, ID (32374254)

Name:	PIERCE	Agency:	USFS
State:	ID	Region:	01
NESDIS ID:	32374254	Unit:	NEZ PERCE-CLEARWATER
Last Modified:	12/17/2013 22:37 UTC	Status:	Active

Request RAWS Asset Report

E-mail Address:

Enter the e-mail address to which to send the RAWS Asset Report.
 If you would like the report sent to several email addresses, enter each address in the field above and include a comma between each address, as in the following example:
 jdoe@blm.gov, jane_hall@nps.gov, joe.smith@bia.gov

One or more email addresses can be entered to receive an asset report.

NAMS - Update notes

This page will allow the user to enter or updates notes about the station.

Name:	PIERCE	Agency:	USFS
State:	ID	Region:	01
NESDIS ID:	32374254	Unit:	NEZ PERCE-CLEARWATER
Last Modified:	12/17/2013 22:37 UTC	Status:	Active

Notes: Chris Gauthier is the local contact for this operation.

The Notes page contains site-specific information such as uncommon sensors, lack of standard sensors, special access procedures, precautions, etc. The information within notes is not visible outside of WFMI and can only be seen by user who has edit access to the station. This page also allows the option to email an asset report. Once changes are made, the choice to update or cancel is available.

NAMS - Update route

The route contains site-specific information for access to the weather station.

Weather - NAMS - Update Route: PIERCE, ID (32374254)

Name:	PIERCE	Agency:	USFS
State:	ID	Region:	01
NESDIS ID:	32374254	Unit:	NEZ PERCE-CLEARWATER
Last Modified:	12/17/2013 22:37 UTC	Status:	Active

Route: Route file for station PIERCE. Created -> 05/10/96 @17:33 hrs.
The Pierce RAMS is located in the Work Center com

The instructions for location of the station should be complete so that someone without knowledge of the area can locate the station. This page also allows the option to email an asset report. Once changes are made, the choice to update route or cancel is available.