

WIMS User Guide



WIMS

**Weather
Information
Management
System**

Objectives

- Log into **WIMS** via **Wildland Fire Application Portal**
- Navigation Methods
 - **Menus**
 - **FastPaths**
 - What are FastPaths?
 - How FastPaths work?
 - **Navigation Tree**
- **Query Blocks**
- **Editing/Displaying Observations and Station Data**
- **Printing/Exporting Observations**

Wildland Fire Application Portal

- Web Address – <https://iwfirp.nwccg.gov/index.html>
- Where **WIMS**, and several other applications are located including IROC, SIT-209, etc
- **Wildland Fire Application Portal** also used to access **IROC** (Interagency Resource Ordering Capability)

Wildland Fire Application Portal

Click on [Login.gov](#) for Non-Federal Users and [e-Authenticate](#) for Federal Users (Logs in using PIV Card) To log in using PIV Card you must be on a federal network or VPN)



Public Partners

Login.gov is a service that offers secure and private online access to government programs through a Private Non-Federal account.

[Login.gov](#)

Government

eAuthentication is the system that allows users access to Wildland Fire Apps and Services using government clearance.

[e-Authenticate](#)

 **LESO FEPMIS**

Law Enforcement
Support Office
Federal Excess
Property
Management
Information System

Agency: FS

[Access](#)

 **OIS**

Organization
Information System

Agency: FS

[Access](#)

ROAD

Real-time
Operations and
Applications
Dashboard

Agency: FS

[Access](#)

SIT-209

National
Interagency
Situation Reporting
System

Agency: FS

[Access](#)

Click on **Access** to open WIMS interface

Unit ID

Unit Identifier
System

Agency: BLM

[Access](#)

 **WIMS**

Weather
Information
Management
System

Agency: FS

[Access](#)

WXx

Weather
("Stabilized"
Module of WFMI)

Agency: BLM

[Access](#)

Navigating in WIMS

- Clicking the links on Menus
- FastPaths
- Navigation Tree
- Query Blocks

Ver. 5.2.5 FastPath

Weather Information Management System

Show [Navigation Tree](#)

WIMS Main Menu WIMS

- Data Entry & Manipulation DATA DATA
- WIMS Utilities UTIL UTIL
- NWS Products NWSPROD NWSPROD
- Screen HELP HWIMS HWIMS
- Exit WIMS Menu System EXIT EXIT
- Initial Menu WIMS WIMS
- Top Menu WIMS WIMS

My Stations' Latest NFDR Info

<input checked="" type="radio"/> Sta	<input type="radio"/> Pri	<input type="radio"/> FM	<input type="radio"/> Type	<input type="text" value="Staffing Index"/>	<input type="text" value="SL"/>	<input type="text" value="R"/>
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My Frequently Used WIMS Queries

Modules: DOBS DRAWS DPFCST DTFCST
 DIDX DIDM DABR DMGR DSHR DAVG FW13 PLST

Type: Observation Forecast All

Date Range: 1 day 7 days 30 days 90 days 180 days

Station/SIG: Owned Stations: Private SIGs: Public SIGs:

My Last Ten WIMS Queries

run	DIDX	419102	17-MAR-22	22-MAR-22	13	22-MAR-22	14:53:59
run	DIDX	419102	17-MAR-22	22-MAR-22	13	22-MAR-22	14:53:24
run	DIDX	128905	17-MAR-22	22-MAR-22	13	22-MAR-22	14:41:31
run	DIDX	128905	17-MAR-22	22-MAR-22	13	22-MAR-22	14:40:40
run	DOBS	128905	11-MAR-22	22-MAR-22	13	22-MAR-22	14:38:44

[WIMS Technote V5.1.5](#)
[WIMS Technote V5.1](#)
[WIMS Technote V5.0](#)
[WIMS Technote V4.0](#)
[WIMS Technote WXML](#)

Fast Path entry

Ver. 5.2.5 FastPath Ista Go

Weather Information Management System

Show [Navigation Tree](#)

WIMS Main Menu WIMS

- Data Entry & Manipulation DATA
- WIMS Utilities UTIL
- NWS Products NWSPROD
- Screen HELP HWIMS
- Exit WIMS Menu System EXIT
- Initial Menu WIMS
- Top Menu WIMS

My Stations' Latest NFDR Info

24-MAR-22

Sta
 Pri
 FM
 Type
 Staffing Index
 SL
 R

- DATA
- UTIL
- NWSPROD
- HWIMS
- EXIT

Initial Main Menu

Link to Navigation Tree

My Frequently Used WIMS Queries

Run Query

Modules: DOBS DRAWS DPFCST DTF CST
 DIDX DIDM DABR DMGR DSHR DAVG FW13 PLST

Type: Observation Forecast All

Date Range: 1 day 7 days 30 days 90 days 180 days

Station/SIG: Owned Stations: Private SIGs: Public SIGs:

Query Requests

My Last Ten WIMS Queries

run	DIDX	419102	17-MAR-22	22-MAR-22	13	22-MAR-22	14:53:59
run	DIDX	419102	17-MAR-22	22-MAR-22	13	22-MAR-22	14:53:24
run	DIDX	128905	17-MAR-22	22-MAR-22	13	22-MAR-22	14:41:31
run	DIDX	128905	17-MAR-22	22-MAR-22	13	22-MAR-22	14:40:40
run	DOBS	128905	11-MAR-22	22-MAR-22	13	22-MAR-22	14:38:44

- [WIMS Technote V5.1.5](#)
- [WIMS Technote V5.1](#)
- [WIMS Technote V5.0](#)
- [WIMS Technote V4.0](#)
- [WIMS Technote WXML](#)

1.0 Data Entry & Manipulation DATA

-  [Observations OBS](#) [OBS](#)
 -  [Forecasts FCST](#) [FCST](#)
 -  [Station Information STA](#) [STA](#)
 -  [Natl Fire Danger Rating DNFDR](#) [DNFDR](#)
 -  [Compare Analysis Interface COMP](#) [COMP](#)
 -  [Data Capture OBS/FCST/NFDR PLST](#) [PLST](#)
 -  [Screen HELP HDATA](#) [HDATA](#)
 -  [Return to Previous Menu WIMS](#) [WIMS](#)
-
-  [Initial Menu](#) [WIMS](#)
 -  [Top Menu](#) [WIMS](#)



My Stations' Latest NFDR Info

10-OCT-19

<input checked="" type="radio"/> Sta	<input type="radio"/> Pri	FM	Type	Staffing Index	SL	R
--------------------------------------	---------------------------	----	------	----------------	----	---



My Frequently Used WIMS Queries

Run Query

Modules: DOBS DRAWS DPFCST DTFCST
 DIDX DIDM DABR DMGR DSHR DAVG FW13 PLST

Type: Observation Forecast All

Date Range: 1 day 7 days 30 days 90 days 180 days

Station/SIG: Owned Stations: Private SIGs: Public SIGs:

My Last Ten WIMS Queries

run	DOBS	463001		07-OCT-19	10-OCT-19	13	10-OCT-19 11:33:42
run	DOBS	463001	R	07-OCT-19	10-OCT-19	13	10-OCT-19 11:33:35
run	DOBS	463001	R	10-OCT-19		13	10-OCT-19 11:33:29
run	DOBS	337501		01-OCT-19	03-OCT-19	13	03-OCT-19 12:23:49
run	DIDX	125701	O	22-SEP-19	30-SEP-19	13	30-SEP-19 12:30:10

[WIMS Technote V5.1](#)
[WIMS Technote V5.0](#)
[WIMS Technote V4.0](#)
[WIMS Technote WXML](#)

WIMS *FastPaths*

- Quick links to WIMS tasks/commands
- 1st letter denotes action to be performed

D – Display

E – Edit

L – List

M – Maintain

N – New

Commonly Used FastPaths

- **DOBS** – Display observations
- **EOBS** – Edit Observations
- **ESTA** – Edit Station
- **ENFDR** – Edit NFDRS Parameters
- **ENRR** – Recalculate NFDRS Indices
- **DRAWS** – Display RAWS data
- **DIDX** – Display NFDRS Indexes
- **DIDM** – Display fuel moisture values
- **COMP**-Compare NFDRS 78,88 to NFDRSv4 fuel models/indices
- **PLST**-Download FW13 weather data for a RAWS or SIG (created group of RAWS)

Additional FastPaths

- **NACL**- Create a new **ACL or Access User Control List** (add user(s) iNAP User IDs to this list for their access to a RAWS in WIMS for editing observations, station catlogs etc.)
- **LACL** – List the users of an ACL group
- **EACL**- Edit an ACL
- **NSIG** – **Create a new SIG** (Special Interest Group or multiple RAWS)
- **LSIG** – List the contents of a SIG group
- **ESIG** – Edit a SIG
- **LUSER** – List the users in WIMS
- **PROFILE** - View and set profile defaults
- **EXIT** – Log out of WIMS

Display/Edit General Station Information ESTA

[Back to Menu](#)



Navigation Tree

Station ID:

[Station Info](#) | [NFDRS Param](#) | [Extra Data Channels](#)

Station ID:	<input type="text" value="119501"/>	FIPS:	<input type="button" value="List"/> <input type="text" value="17"/> ILLINOIS / <input type="text" value="151"/>		
Nesdis ID:	<input type="text" value="3282B4D8"/>	Lightning Scaling Factor:	<input type="text" value="1"/>		
Last Modified Date:	<input type="text" value="16-May-19"/>	Average Annual Precipitation:	<input type="text" value="47"/>	Regular Scheduled Obs. Time:	<input type="text" value="13"/>
Station Type:	<input type="text" value="4:RAWS (SAT NFDRS)"/> ▼	Station Name:	<input type="text" value="DIXON SPRINGS"/>	Previous Station:	<input type="text" value="119401"/>
Region Number:	<input type="text" value="9"/>	Latitude:	<input type="text" value="37"/> Deg <input type="text" value="26"/> Min <input type="text" value="12"/> Sec or <input type="text" value="37.436667"/> Degree		
Elevation:	<input type="text" value="540"/> ft.	Longitude:	<input type="text" value="88"/> Deg <input type="text" value="40"/> Min <input type="text" value="2"/> Sec or <input type="text" value="88.667222"/> Degree		
Local Time Zone:	<input type="text" value="CST-Central(-6)"/> ▼	Aspect:	<input type="text" value="0: Flat/None (FL/0)"/> ▼	Site:	<input type="text" value="3: Ridge or peak top"/> ▼
Mnemonic:	<input type="text" value="SHF"/>	Owner:	<input type="text" value="jnaugle"/> <input type="button" value="List"/>	Access Control List:	<input type="text" value="ILC"/> ▼
Observing Agency:	<input type="text" value="1 USDA FS"/> ▼	----- Unit Conversion Codes -----			
Unit Name:	<input type="text" value="SHAWNEE"/>	Humidity Code:	<input type="text" value="2:Relative Humidity (percent)"/> ▼	Temperature Code:	<input type="text" value="1:English (IN/MPH/Deg F)"/> ▼
Fcst Zone/NWS Ofc:	<input type="text" value="977"/> <input type="button" value="List"/>	Rainfall Code:	<input type="text" value="1:English (IN/MPH/Deg F)"/> ▼	Wind Speed Code:	<input type="text" value="1:English (IN/MPH/Deg F)"/> ▼

User Comment:

List of WIMS FastPaths

- Navigation Tree
 - Displays FastPaths by area
 - Accessed by clicking on **Navigation Tree** link in upper right

Ver. 5.1.2 FastPath

- ☐ [DATA](#) - Data Entry and Manipulation
 - ☐ [OBS](#) - Observations
 - [NOBS](#) - New Observations
 - [EOBS](#) - Edit Observations
 - [DOBS](#) - Display Observations
 - [DRAWS](#) - Display Remote Automatic Weather Stations
 - ☐ [FCST](#) - Forecasts
 - ☐ [DFCST](#) - Display Forecasts
 - ☐ [NFCST](#) - New Forecasts
 - ☐ [EFCST](#) - Edit Forecasts
 - ☐ [STA](#) - Station Information
 - ☐ [MSTA](#) - Maintain Station
 - ☐ [MSIG](#) - Maintain Special Interest Groups
 - ☐ [MACL](#) - Maintain Access Control Lists
 - ☐ [DNFDR](#) - Display National Fire Danger Rating
 - [DIDX](#) - Display Index Format
 - [DIDM](#) - Display Index (Moist) Format
 - [DMGR](#) - Display Manager Format
 - [DSHR](#) - Display Short Format
 - [DAVG](#) - Display Weighted Average
 - [DABR](#) - Display Abbreviated Format
 - [DNSR](#) - Display Nelson/Solar Radiation
 - [COMP](#) - Compare Analysis Interface
 - [PLST](#) - Data Capture for OBS/FCST/NFDRS
 - [WXML](#) - Data Exchange for OBS/FCST/NFDRS
 - ☐ [UTIL](#) - Utilities
 - [PROFILE](#) - Profile Setup
 - [LUSER](#) - WIMS User List
 - ☐ [NWSPROD](#) - NWS Products
 - [FWFCST](#) - Fire Weather Forecasts
 - [RED FLAG](#) - Red Flag Warnings
 - [SPOT](#) - Spot Forecasts
 - [SMOKE](#) - Smoke Management Forecasts
 - [ONARR](#) - Various Other Narratives
 - [EXIT](#) - EXIT WIMS

- ☐ [DATA](#) - Data Entry and Manipulation
 - ☐ [OBS](#) - Observations
 - [NOBS](#) - New Observations
 - [EOBS](#) - Edit Observations
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 - [DRAWS](#) - Display Remote Automatic Weather Stations
 - ☐ [FCST](#) - Forecasts
 - ⊕ [DFCST](#) - Display Forecasts
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 - ⊕ [EFCST](#) - Edit Forecasts
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 - ☐ [UTIL](#) - Utilities
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 - [LUSER](#) - WIMS User List
 - ☐ [NWSPROD](#) - NWS Products
 - [FWFCST](#) - Fire Weather Forecasts
 - [RED FLAG](#) - Red Flag Warnings
 - [SPOT](#) - Spot Forecasts
 - [SMOKE](#) - Smoke Management Forecasts
 - [ONARR](#) - Various Other Narratives
 - [EXIT](#) - EXIT WIMS

COMP relatively newer FastPath.

- COMP is a tool used to compare 1978/88 Fuel Models with 2016 Fuel Model Indices/Fuel Moistures.
- PLST is a tool used to output FW13 weather obs for RAWs or SIGS.

1.3.1 Maintain Station MSTa

- [NSTA](#)
- [ESTA](#)
- [LSTA](#)
- [ENFDR](#)
- [HMSTA](#)
- [STA](#)
- [WIMS](#)
- [WIMS](#)

My Stations' Latest NFDR Info

Sta Pri FM Type Staffing Index SL R

Enter Fast Path and click on "Go"

My Frequently Used WIMS Queries

Modules: DOBS DRAWS DPFCST DTFCST
 DIDX DIDM DABR DMGR DSHR DAVG FW13 PLST

Type: Observation Forecast All

Date Range: 1 day 7 days 30 days 90 days 180 days

Station/SIG: Owned Stations: Private SIGs: Public SIGs:

My Last Ten WIMS Queries

run	DOBS	463001		07-OCT-19	10-OCT-19	13	10-OCT-19 11:33:42
run	DOBS	463001	R	07-OCT-19	10-OCT-19	13	10-OCT-19 11:33:35
run	DOBS	463001	R	10-OCT-19		13	10-OCT-19 11:33:29
run	DOBS	337501		01-OCT-19	03-OCT-19	13	03-OCT-19 12:23:49
run	DIDX	125701	O	22-SEP-19	30-SEP-19	13	30-SEP-19 12:30:10

[WIMS Technote V5.1](#)
[WIMS Technote V5.0](#)
[WIMS Technote V4.0](#)
[WIMS Technote WXML](#)

ESTA FastPath- Edit Station Data

Ver. 5.1.2 FastPath

Weather Information Management System

Show [Navigation Tree](#)

Display/Edit General Station Information ESTA

[Back to Menu](#)

Station ID:

[Station Info](#) | [NFDRS Param](#) | [Extra Data Channels](#)

Station ID:	<input type="text" value="201103"/>	FIPS:	<input type="text" value="List"/> <input type="text" value="26"/> MICHIGAN	/	<input type="text" value="041"/> Delta	
Nesdis ID:	<input type="text" value="3283604A"/>	Lightning Scaling Factor:	<input type="text" value="1"/>			
Last Modified Date:	<input type="text" value="20-Nov-18"/>	Average Annual Precipitation:	<input type="text" value="35"/>	Regular Scheduled Obs. Time:	<input type="text" value="13"/>	
Station Type:	<input type="text" value="4:RAWS (SAT NFDRS)"/>	Station Name:	<input type="text" value="HIGH BRIDGE"/>	Previous Station:	<input type="text" value="201205"/>	
Region Number:	<input type="text" value="9"/>	Latitude:	<input type="text" value="46"/> Deg <input type="text" value="7"/> Min <input type="text" value="33"/> Sec or <input type="text" value="46.1258333"/> Degree			
Elevation:	<input type="text" value="253"/> ft.	Longitude:	<input type="text" value="86"/> Deg <input type="text" value="34"/> Min <input type="text" value="50"/> Sec or <input type="text" value="86.5805556"/> Degree			
Local Time Zone:	<input type="text" value="EST-Eastern(-5)"/>	Aspect:	<input type="text" value="0: Flat/None (FL/0)"/>	Site:	<input type="text" value="1: Valley bottom or flat"/>	
Mnemonic:	<input type="text" value="HIGHB"/>	Owner:	<input type="text" value="erebitzke"/> <input type="button" value="List"/>	Access Control List:	<input type="text" value="HIF"/>	<input type="button" value="View/Edit ACL"/>
Observing Agency:	<input type="text" value="1 USDA FS"/>	----- Unit Conversion Codes -----				
Unit Name:	<input type="text"/>	Humidity Code:	<input type="text" value="2:Relative Humidity (percent)"/>	Temperature Code:	<input type="text" value="1:English (IN/MPH/Deg F)"/>	
Fcst Zone/NWS Ofc:	<input type="text"/> <input type="button" value="List"/>	Rainfall Code:	<input type="text" value="1:English (IN/MPH/Deg F)"/>	Wind Speed Code:	<input type="text" value="1:English (IN/MPH/Deg F)"/>	

User Comment:

Edit Station Data and then click on "Save"

NSTA is FastPath used for setting up a new RAWS

ENFDR FastPath-Display/Edit Default NFDERS Parameters

Display/Edit Default NFDERS Parameters

[Back to Menu](#)

Station ID: Effective Date:

After making edits in the ENFDR FastPath for a station click on "Save" to store updated information.

FW Thresholds (Precip last 24 Hrs)	Pct Psbl	SOW & Wet Flag Thresholds (Precip last 24 Hrs)	CC* Default?
NT_Clear	85	1HR_Drizzle (inches)	0.05
NT_Scattered	75	1HR_Rain (inches)	0.1
NT_Broken	50	1HR_Showers (inches)	0.25
		3HR_DUR_WetFlag (hours)	2
		3HR_AMT_WetFlag (inches)	0.4
		24HR_DUR_WetFlag (hours)	8
		24HR_AMT_WetFlag (inches)	0.75

* Climate Class of the first priority Fuel Model (16Y)

Adopt 2016 Models Note: checking this box will remove legacy fuel models

Delete	Active Fuel Models	Priority	ID	** 78 NFDERS Only **										Staffing Idx Breakpoints								
				H S	Herb Date	Greenup Date	88 s b	S l p	G r s	C l i	MXD	SCM	Herb FM	Woody FM	X-1000	SI	DC	Low		High		
																		SI%	Val	SI%	Val	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	16Y	<input type="checkbox"/>		15-Apr-20	<input type="checkbox"/>	2=26-40%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	5	80.3	92	-99.99	EC	5	90	25	97	34
<input type="checkbox"/>	<input type="checkbox"/>	2	16Y	<input type="checkbox"/>			<input type="checkbox"/>	2=26-40%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	5	80.3	92	-99.99	BI	5	90	21	97	28
<input type="checkbox"/>	<input type="checkbox"/>	3	16Y	<input type="checkbox"/>			<input type="checkbox"/>	2=26-40%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	5	80.3	92	-99.99	IC	5	90	21	97	27
<input type="checkbox"/>	<input type="checkbox"/>	4	7G	<input type="checkbox"/>	C	28-Feb-22	15-Apr-20	<input type="checkbox"/>	2=26-40%	<input type="checkbox"/>	2	L	30	19.3	181.6	21	BI	5	90	16	97	20
<input type="checkbox"/>	<input type="checkbox"/>	5	7R	<input type="checkbox"/>	C	28-Feb-22	15-Apr-20	<input type="checkbox"/>	2=26-40%	<input type="checkbox"/>	2	L	6	19.3	181.6	21	BI	5	90	16	97	20

Click on Fuel Models you wish to be Active.

Enter Staffing Indices, Decision Classes, and Percentiles and Breakpoints for each Active Fuel Model.

ENFDR FastPath- NFDERS Version 4 Parameters

Station ID: Effective Date:

NFDR Parameters

78 & 88 NFDERS	100-hr	<input type="text" value="20"/>
	1000-hr	<input type="text" value="17"/>
88 NFDERS	1hr=10hr	<input type="checkbox"/>
	KBDI	<input type="text" value="8"/>
KBDI Threshold		<input type="text" value="100"/>

SOW Thresholds (No Precip last 24 Hrs)	Pct Psbl	SOW & Wet Flag Thresholds (Precip last 24 Hrs)	CC* Default?
PCNT_Clear	85	1HR_Drizzle (inches)	0.1
PCNT_Scattered	75	1HR_Rain (inches)	0.15
PCNT_Broken	50	1HR_Showers (inches)	0.5

Moisture of Extinction. L = use default value for selected fuel model; H = use 40% for humid climates where the default value has historically been too low and thus underestimated fire danger.

Spread Component Maximum. Fuel Model default value or 90th percentile value determined from historical analysis for selected fuel model and weather station. The locally calibrated SCM allows the Ignition Component to more accurately reflect local conditions.

Adopt 2016 Models Note: Checking this box will remove legacy fuel models

De l	Active Fuel Models	P r i	ID	** 78 NFDERS Only **			88 s b	S l p	U r s	C l i	MXD	SCM	Herb FM	Woody FM	X-1000	Staffing Idx Breakpoints				
				H S	Herb Date	Greenup Date										Low		High		
																SI%	Val	SI%	Val	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	16Y				1=0-25%	P		L	5	158.2	142	-99.99	EC	5	90	25	97	29
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	16Y				1=0-25%	P		L	5	158.2	142	-99.99	BI	5	90	20	97	23
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	16Z				1=0-25%	P		L	19	158.2	142	-99.99	BI	5	90	53	97	62
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	16X				1=0-25%	P		L	104	158.2	142	-99.99	BI	5	90	53	97	62
<input type="checkbox"/>	<input checked="" type="checkbox"/>									L	62	158.2	142	-99.99						

For most RAWS in the Eastern Area the **MXD** should be left at "Low". Some stations in more humid climates may use "H".

The **SCM** is calculated automatically by WIMS but can be adjusted.

New parameters for the NFDERSv4 system.

ENFDR FastPath- Adopting NFDRS Version 4 Fuel Models

To adopt the NFDRSv4 fuel models click this box and then click on "Save" at the top. It may take a day or two for the adoption of V4 fuels to occur

Adopt 2016 Models Note: checking this box will remove legacy fuel models

Del	Active Fuel Models	Pri	ID	** 78 NFDRS Only **										Staffing Idx Breakpoints							
				HS	Herb Date	Greenup Date	88sb	Slip	Grss	Clim	MXD	SCM	Herb FM	Woody FM	X-1000	SI	DC	Low		High	
																		SI%	Val	SI%	Val
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	16Y					1=0-25%	P		L	5	158.2	142	-99.99	EC	5	90	25	97	29
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	16Y					1=0-25%	P		L	5	158.2	142	-99.99	BI	5	90	20	97	23
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	16Z					1=0-25%	P		L	19	158.2	142	-99.99	BI	5	90	53	97	62
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	16X					1=0-25%	P		L	104	158.2	142	-99.99	BI	5	90	94	97	128
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5	16W					1=0-25%	P		L	62	158.2	142	-99.99	BI	5	90	7	97	18
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6	16V					1=0-25%	P		L	108	158.2	142	-99.99	BI	5	90	13	97	24
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7	7E	F	05-Nov-21	30-Apr-21		1=0-25%	P	3	L	25	18	129	5	BI	5	90	35	97	46
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8	7R	F	05-Nov-21	30-Apr-21		1=0-25%	P	3	L	6	18	129	5	BI	5	90	16	97	22
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9	7G	F	05-Nov-21	30-Apr-21		1=0-25%	P	3	L	30	18	129	5	BI	5	90	38	97	46

Once the adoption to Version 4 fuel models is complete, the legacy (1978/88) fuel models will be eliminated.

Check the boxes of the desired Version 4 fuel models which will be active in WIMS. 16Y should be one of them as this model is used for national fire danger/potential products.

ENFDR -Display/Edit Growing Season Index/Nelson Fuel Moisture Options

Display/Edit Default NFDRS Parameters

[Back to Menu](#)

Station ID: 464203

Effective Date: 10-Oct-19

Find

Reset

Save

View Change Archive

NFDR Parameters

GSI Herb FM Options

GSI Woody FM Options

Nelson Dead Fuel Moisture Options

Load Fuel Model Percentile

Temp Min Index Min (C): -2

Temp Min Index Max (C): 5

VPD Index Min: 900

VPD Index Max: 4100

Day Length Index Min (sec): 36000

Day Length Index Max (sec): 39600

VPD Usage

VPD Max

VPD Avg

GSI Average Running Length (days): 21

Max GSI (for scaling): 1

Greenup Threshold: 0.5

Max Herb FM: 250

Min Herb FM: 30

Load Standard Defaults

Load Saved Defaults

Save As Defaults

After making edits in the ENFDR FastPath for a station click on "Save" to store updated information.

For most RAWS these GSI/Nelson Fuel Moisture options may be left at their default values/selections. However, if the calculated live fuel moistures appear inaccurate they may be adjusted.

ENRR –Recalculate NFDRS Indices/Fuel Moistures after making changes in ENFDR or editing/entering weather obs

FastPath

Weather Information Management System

Show [Navigation Tree](#)

Recalculate NFDRS ENRR

Enter NFDRS Recalculation Parameters

Station ID:

Type:

Observation Date(s):

From:

To:

There are 215 observations to recalc. It will take about 6.27 Second
Continue with recalc?

4. Click "Recalc"

1. Enter RAWS WIMS ID.

2. Select Obs Type from dropdown.
"Nelson" Recalcs should be done first, then "2016 Indices Only".

3. Select Date Range back to where updates/edits to weather obs or ENFDR data was entered.

COMP FastPath– Compare 1978/88 to Version 4 Index/Fuel Moisture Outputs

Select Fuel Models to Compare

Select Indices/Fuel Moistures to Compare

Ver 5.2.5 FastPath COMP Go

Weather Information Management System

Show [Navigation Tree](#)

COMPARE FUEL MODELS

Station: 463301
Start Date: 30-Mar-22
End Date: 13-Apr-22

16 FUEL MODELS RETURNED 30-MAR-22 TO 13-APR-22 STATION 463301

Fuel Model: P7: 16Y4P
Obs Type: N

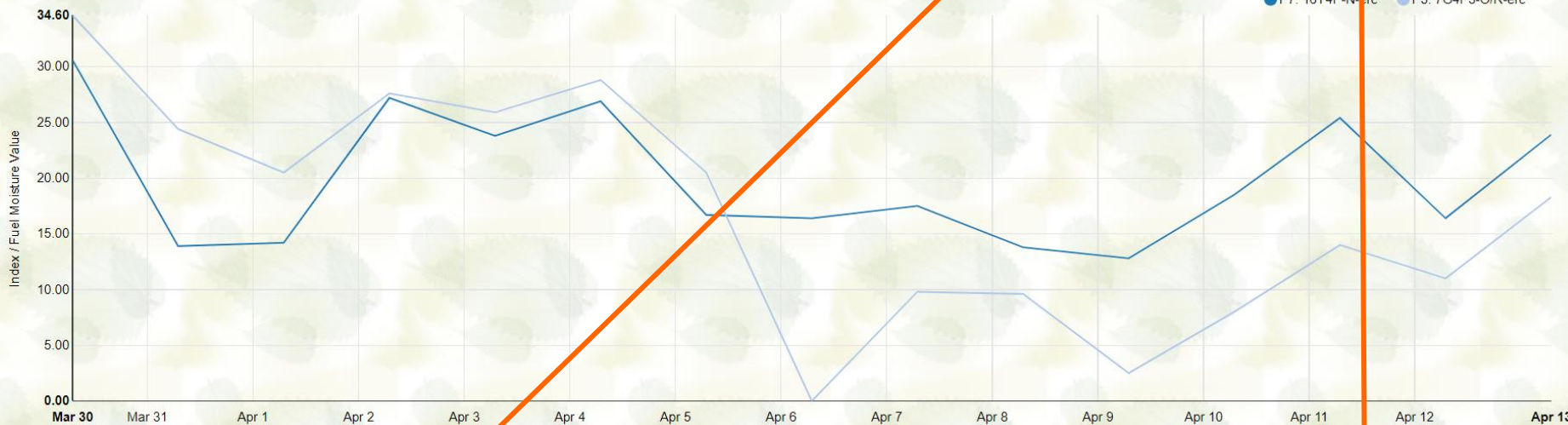
Fuel Model: P3: 7G4P3
Obs Type: O/R

- FM1
- FM10
- FM100
- FM1000
- FMHERB
- FMWOOD
- ERC
- SC
- BI
- IC
- ABSOLUTE
- PERCENTILE

Fetch Station Info Feedback

Grid Graph Both Export

RESULTS FOR 15 DAYS P7: 16Y4P-N VS. P3: 7G4P3-O/R



Select "Grid, Graph, or Both" to Display and Compare

Select Absolute or Percentiles to Display

PLST FastPath-Data Capture and Output

Ver. 5.2.5

FastPath

PLST

Go

Weather Information Management System

Show [Navigation Tree](#)

Data Capture for OBS/FCST/NFDRS PLST

[Back to Menu](#)

Enter the following information and click on a DataCapture button to complete the Data Capture request. The request will produce and send back one report file to be saved as a local file.

The report may contain the following: OBS-LIST, or NFDRS-LIST for Observations, or FCST-LIST, or NFDRS-LIST for Forecast if there is valid data for your selection.

Station ID: or SIG Type: Start Date: End Date: Save

Enter RAWWS
WIMS ID or
SIG

Select Obs Type

Select Start/End
Dates Using Calendar
Dropdown

Select Export CSV or
FW13 File Output for
Download

DOBS FastPath-Display Observations

Display Observations DOBS

Back t

Station ID: or SIG Type: Start Date: End Date: Time: Find Reset Print Export

Station ID	Obs Date	Obs Tm	Obs Type	W	Dry Tmp	RH	M L	HC Rsk	Wind		10 Hr	Temp		RH%		Dur	Amt	Y L	FHC Rsk	W F	RD	SR%	Snow Flag
									Dir	SP		Max	Min	Max	Min								
236403	13-Apr-22	14	R		59	99	0	0	133	5		76	59	100	59	6	1.08	0	0	N	22		N
236403	13-Apr-22	13	O	9	59	100	1	0	123	6		76	59	100	59	5	0.89	1	0	Y	17	1	N
236403	13-Apr-22	12	R		59	99	0	0	128	5		76	59	99	59	4	0.61	0	0	N	8		N
236403	13-Apr-22	11	R		62	95	0	0	192	6		76	62	100	59	3	0.43	0	0	N	13		N
236403	13-Apr-22	10	R		64	97	0	0	148	9		76	62	100	59	2	0.11	0	0	N	8		N
236403	13-Apr-22	9	R		64	92	0	0	132	6		76	60	100	59	1	0.02	0	0	N	12		N
236403	13-Apr-22	8	R		65	89	0	0	126	6		76	58	100	59	1	0.01	0	0	N	23		N
236403	13-Apr-22	7	R		65	87	0	0	131	4		76	57	100	59	1	0.01	0	0	N	14		N

Display NFDRS Moisture (Index) DIDM

Station ID: or SIG Type: Start Date: End Date: Time: Find Re

DIDM FastPath- Display NFDRS Fuel Moistures

P1: 16Y2P P2: 16Y2P P3: 16Y2P P4: 7G2P2 P5: 7R2P2

Station ID	Obs Date	Obs Tm	Obs Type	MSGC	WDY FM	HRB FM	1H FM	10 FM	HU FM	TH FM	XT FM	KBDI	W F	Snow Flag	GSI WDY	GSI WDY FM	GSI HRB	GSI HRB FM
236403	14-Apr-22	13	F	16Y2P	114.0	120.1	13.19	19.02	25.55	20.40	-99.99	7	N		0.69	114.0	0.69	120.1
236403	13-Apr-22	13	F	16Y2P	118.0	122.4	16.36	23.84	25.65	21.28	-99.99	28	N		0.71	118.0	0.71	122.4
236403	13-Apr-22	13	N	16Y2P	119.0	121.8	35.00	33.27	23.42	19.94	-99.99	10	Y	N	0.71	119.0	0.71	121.8
236403	12-Apr-22	13	F	16Y2P	119.0	122.4	18.85	26.40	24.72	19.88	-99.99	24	N		0.71	119.0	0.71	122.4
236403	12-Apr-22	13	N	16Y2P	119.0	122.4	23.12	29.67	20.37	18.58	-99.99	7	Y	N	0.71	119.0	0.71	122.4
236403	11-Apr-22	13	F	16Y2P	120.0	123.7	14.05	18.44	21.33	18.78	-99.99	15	N		0.71	120.0	0.71	123.7
236403	11-Apr-22	13	N	16Y2P	119.0	122.4	22.83	27.95	14.93	18.67	-99.99	28	Y	N	0.71	119.0	0.71	122.4
236403	10-Apr-22	13	F	16Y2P	116.0	115.7	9.44	11.36	15.79	18.69	-99.99	13	N		0.70	116.0	0.70	115.7
236403	10-Apr-22	13	N	16Y2P	117.0	120.7	7.63	9.13	15.48	18.67	-99.99	24	N	N	0.70	117.0	0.70	120.7
236403	09-Apr-22	13	F	16Y2P	112.0	111.9	12.99	14.34	17.01	19.28	-99.99	11	N		0.69	112.0	0.69	111.9
236403	09-Apr-22	13	N	16Y2P	114.0	111.9	8.21	14.80	17.13	19.27	-99.99	15	N	N	0.69	114.0	0.69	111.9
236403	08-Apr-22	13	N	16Y2P	117.0	120.1	18.91	18.42	17.87	19.51	-99.99	13	N	N	0.70	117.0	0.70	120.1

DIDX FastPath-Display NFDRS Index/Fuel Moisture Outputs

Display Index Format DIDX

[Back to M](#)

Station ID: or SIG Type: Start Date: End Date: Time: Find Reset Print Export

Click on Fuel Models you wish to view. Once NFDRSv4 breakpoints are entered in ENFDR page Staffing Level and Adjective Ratings will also be displayed.

Select which fuel models to display
 P1: 16Y2P P2: 16Y2P P3: 16Y2P P4: 7G2P2 P5: 7R2P2

Station ID	Obs Date	Obs Tm	Obs Type	MSGC	Wind SP	WDY FM	HRB FM	1H FM	10 FM	HU FM	TH FM	XH	IC	SC	ERC	BI	SL	R	KBDI	FL	LR	LO	HC Rsk	HO
236403	14-Apr-22	13	F	16Y2P	10	114.0	120.1	13.19	19.02	25.55	20.40	-99.99	4.6	2.9	11.8	15.3	2	L	7	11	0	0	0	0
236403	14-Apr-22	13	F	16Y2P	10	114.0	120.1	13.19	19.02	25.55	20.40	-99.99	4.6	2.9	11.8	15.3	3	M	7	11	0	0	0	0
236403	14-Apr-22	13	F	16Y2P	10	114.0	120.1	13.19	19.02	25.55	20.40	-99.99	4.6	2.9	11.8	15.3	1	L	7	11	0	0	0	0
236403	13-Apr-22	13	F	16Y2P	14	118.0	122.4	16.36	23.84	25.65	21.28	-99.99	1.7	3.2	7.9	13.3	2	L	28	9	0	0	0	0
236403	13-Apr-22	13	F	16Y2P	14	118.0	122.4	16.36	23.84	25.65	21.28	-99.99	1.7	3.2	7.9	13.3	3	M	28	9	0	0	0	0
236403	13-Apr-22	13	F	16Y2P	14	118.0	122.4	16.36	23.84	25.65	21.28	-99.99	1.7	3.2	7.9	13.3	1	L	28	9	0	0	0	0
236403	13-Apr-22	13	N	16Y2P	6	119.0	121.8	35.00	33.27	23.42	19.94	-99.99	0.0	0.0	1.8	0.0	1	L	10	0	0	0	0	0
236403	13-Apr-22	13	N	16Y2P	6	119.0	121.8	35.00	33.27	23.42	19.94	-99.99	0.0	0.0	1.8	0.0	1	L	10	0	0	0	0	0
236403	13-Apr-22	13	N	16Y2P	6	119.0	121.8	35.00	33.27	23.42	19.94	-99.99	0.0	0.0	1.8	0.0	1	L	10	0	0	0	0	0
236403	12-Apr-22	13	F	16Y2P	11	119.0	122.4	18.85	26.40	24.72	19.88	-99.99	0.4	2.1	8.7	11.5	2	L	24	8	0	0	0	0
236403	12-Apr-22	13	F	16Y2P	11	119.0	122.4	18.85	26.40	24.72	19.88	-99.99	0.4	2.1	8.7	11.5	3	M	24	8	0	0	0	0
236403	12-Apr-22	13	F	16Y2P	11	119.0	122.4	18.85	26.40	24.72	19.88	-99.99	0.4	2.1	8.7	11.5	1	L	24	8	0	0	0	0
236403	12-Apr-22	13	F	16Y2P	11	119.0	122.4	18.85	26.40	24.72	19.88	-99.99	0.4	2.1	8.7	11.5	0.0	2	L	7	0	0	0	0
236403	12-Apr-22	13	F	16Y2P	11	119.0	122.4	18.85	26.40	24.72	19.88	-99.99	0.4	2.1	8.7	11.5	0.0	1	L	7	0	0	0	0
236403	12-Apr-22	13	F	16Y2P	11	119.0	122.4	18.85	26.40	24.72	19.88	-99.99	0.4	2.1	8.7	11.5	0.0	1	L	7	0	0	0	0
236403	11-Apr-22	13	F	16Y2P	6	120.0	123.7	22.83	27.95	14.93	18.67	-99.99	0.0	0.5	13.6	7.5	3	M	15	11	0	0	0	0
236403	11-Apr-22	13	F	16Y2P	6	120.0	123.7	22.83	27.95	14.93	18.67	-99.99	0.0	0.5	13.6	7.5	3	M	15	11	0	0	0	0
236403	11-Apr-22	13	F	16Y2P	6	120.0	123.7	22.83	27.95	14.93	18.67	-99.99	0.0	0.5	13.6	7.5	3	M	15	11	0	0	0	0
236403	11-Apr-22	13	N	16Y2P	3	119.0	122.4	22.83	27.95	14.93	18.67	-99.99	0.0	0.5	13.6	7.5	3	M	28	5	0	0	0	0
236403	11-Apr-22	13	N	16Y2P	3	119.0	122.4	22.83	27.95	14.93	18.67	-99.99	0.0	0.5	13.6	7.5	2	L	28	5	0	0	0	0
236403	11-Apr-22	13	N	16Y2P	3	119.0	122.4	22.83	27.95	14.93	18.67	-99.99	0.0	0.5	13.6	7.5	1	L	28	5	0	0	0	0
236403	11-Apr-22	13	N	16Y2P	3	116.0	115.7	9.44	11.36	15.79	18.69	-99.99	15.1	4.7	24.5	26.6	3	M	13	19	0	0	0	0

NFDR observation type ("O"=Published, "R"=Unpublished, "N"=Nelson, "F"=Forecast, "S"=Special)

Live fuel moisture recovery value used in the calculation of herbaceous fuel moisture

Hover cursor over the top of each column to display explanation of content

DRAW FastPath-Display "Raw" Weather Outputs

Remote Automatic Weather Station Display **DRAWs**

[Back](#)

Station ID:

or

Start Date:

End Date:

Start Time:

Station ID	Obs Date	Obs		Obs Type	Dry Tmp	RH	Wind		Temp		RH%		Rain Gauge	Hrly Prcp	BVlt	BPress	Fuel Temp	RAWS Sensor Data				
		HH	MM				Dir	SP	Max	Min	Max	Min						MX	UX	UP	RD	
<input type="checkbox"/> 471101	13-Apr-22	14	1	R	46	100	114	3	54	39	100	38	4.89	0.0	13.8		46	26.3	105	9	60	
<input type="checkbox"/> 471101	13-Apr-22	13	1	R	46	100	72	4	54	39	100	38	4.89	0.0	13.7		47	26.2	40	9	169	
<input type="checkbox"/> 471101	13-Apr-22	12	1	R	47	100	40	6	54	39	100	38	4.89	0.0	13.8		49	25.5	41	9	355	
<input type="checkbox"/> 471101	13-Apr-22	11	1	R	44	100	69	5	54	39	100	38	4.89	0.0	13.7		47	26	75	8	204	
<input type="checkbox"/> 471101	13-Apr-22	10	1	R	42	100	66	4	54	39	100	38	4.89	0.0	13.3		43	26.4	58	9	111	
<input type="checkbox"/> 471101	13-Apr-22	9	1	R	40	100	43	6	54	39	100	38	4.89	0.0	13.2		41	26.3	36	9	126	
<input type="checkbox"/> 471101	13-Apr-22	8	1	R	40	100	64	4	54	39	100	38	4.89	0.0	13.1		41	26.3	126	8	68	
<input type="checkbox"/> 471101	13-Apr-22	7	1	R	39	100	103	3	54	33	100	38	4.89	0.0	12.9		40	26.4	120	9	29	
<input type="checkbox"/> 471101	13-Apr-22	6	1	R	39	100	79	6	54	24	100	38	4.89	0.0	12.9		39	26.3	81	12	4	
<input type="checkbox"/> 471101	13-Apr-22	5	1	R	39	100	49	7	54	20	100	38	4.89	0.0	12.9		39	26.1	53	12	0	
<input type="checkbox"/> 471101	13-Apr-22	4	1	R	39	100	72	4	54	20	100	38	4.89	0.01	12.9		39	25.8	60	15	0	
<input type="checkbox"/> 471101	13-Apr-22	3	1	R	40	100	56	6	54	20	100	38	4.88	0.02	12.9		39	25.4	75	17	0	
<input type="checkbox"/> 471101	13-Apr-22	2	1	R	40	100	72	6	54	20	100	38	4.86	0.28	13		39	25	73	18	0	
<input type="checkbox"/> 471101	13-Apr-22	1	1	R	40	99	93	10	54	20	99	38	4.58	0.11	13		39	24.3	95	22	0	
<input type="checkbox"/> 471101	13-Apr-22	0	1	R	40	95	78	8	54	20	97	38	4.47	0.24	13		40	23.4	97	25	0	
<input type="checkbox"/> 471101	12-Apr-22	23	1	R	41	90	99	11	54	20	97	38	4.23	0.01	13		40	22.3	116	26	0	
<input type="checkbox"/> 471101	12-Apr-22	22	1	R	41	87	98	11	54	20	97	38	4.22	0.02	13		40	20.9	124	23	0	
<input type="checkbox"/> 471101	12-Apr-22	21	1	R	41	86	84	8	54	20	97	38	4.2	0.02	13		39	19	96	17	0	
<input type="checkbox"/> 471101	12-Apr-22	20	1	R	40	87	79	6	54	20	97	38	4.18	0.03	13.1		38	16.2	119	14	0	
<input type="checkbox"/> 471101	12-Apr-22	19	1	R	41	77	97	7	54	20	97	38	4.15	0.04	13.1		39	13.2	101	15	2	
<input type="checkbox"/> 471101	12-Apr-22	18	1	R	45	64	126	8	54	20	97	33	4.11	0.01	13.2		42	11	117	16	29	
<input type="checkbox"/> 471101	12-Apr-22	17	1	R	45	64	28	6	54	20	97	30	4.1	0.0	13.2		43	10.1	108	17	13	
<input type="checkbox"/> 471101	12-Apr-22	16	1	R	49	43	105	8	55	20	97	28	4.1	0.0	13.3		49	10.2	66	18	44	
							38	94	8	55	20	97	28	4.1	0.0	13.6		52	10.3	81	17	235
							39	95	7	55	20	97	28	4.1	0.0	13.7		55	10.5	83	15	241
							39	118	6	55	20	97	28	4.1	0.0	13.9		53	10.8	127	11	160
							40	155	5	55	20	97	28	4.1	0.0	13.9		53	11.1	170	11	180
							39	133	6	55	20	97	28	4.1	0.0	14		53	11.6	136	11	312

Minimum relative humidity during the past 24 hours, %

Hover cursor over the top of each column to display explanation of content



WIMS

Observation Inputs

Objectives

- Edit observations
- Snow Flag – Importance and how to manage
- Missing Data – how to enter
- Editing observations from DRAWS
- Export/Print observations

Edit Observations

- FastPaths

- NOBS (New Observations)
- EOBS (Edit Observations – Daily 1300 Obs R->O)



Station ID: List or SIG Type: Date: Time:
 [Back to Menu](#)

Edit Observations EOBS

Station ID	Obs Tm	Obs Type	W	Dry Tmp	RH	M L	HC Rsk	Wind		10 Hr	Temp		RH%		Dur	Amt	Y L	FHC Rsk	W F	RD	SR%	Snow Flag
								Dir	SP		Max	Min	Max	Min								
201103	13	O	4	42	99		0	69	7		59	40	99	26	9	0.88		0	N			Y

Entering/Edit Observations

- Enter WIMDS ID or SIG, R for Ob Type, Date and 1300 for Time

Enter Date

Click "Find"

Ver. 2.0.7 FastPath EOBs Go Weather Information Management System

Edit Observations EOBs

Station ID: 460901 List or SIG Type: R Date: 12-FEB-13 Time: 13

Find Reset Save/Publish

DIDM DIDX

Info: Both Station and SIG entered, SIG ignored

Enter WIMS ID or SIG
(Group of
RAWS you can set up in
WIMS)

Enter R for
raw ob type

Enter 13 for
Time

Click "Save"

Station ID: List or SIG Type: S Date: 13-APR-22 Time:

Find Reset Save/Publish
DIDM DIDX

Station ID	Obs Tm	Obs Type	W	Dry Tmp	RH	M L	HC Rsk	Wind		10 Hr	Temp		RH%		Dur	Amt	L	FHC Rsk	W F	RD	SR%	Snow Flag
								Dir	SP		Max	Min	Max	Min								
201103	15	R	✓	44	99	0	0	80	7		54	40	99	35	9	0.88	0	0	N			N
201103	14	R	✓	43	98	0	0	74	10		57	40	99	31	9	0.88	0	0	N			N
201103	13	O	4	42	99		0	69	7		59	40	99	26	9	0.88	0	0	N			N
201103	12	R	✓	43	98	0	0	83	7		60	40	98	25	9	0.88	0	0	N			N
201103	11	R	✓	43	98	0	0	84	6		60	40	98	25	9	0.88	0	0	N			N
201103	10	R	✓	42	98	0	0	92	7		60	40	98	25	9	0.88	0	0	N			N
201103	9	R	✓	41	98	0	0	98	8		60	40	98	25	9	0.88	0	0	N			N
201103	8	R	✓	41	98	0	0	105	9		60	40	98	25	9	0.88	0	0	N			N

Change R to O for Observed

Enter State of the Weather Code if still using/editing legacy fuel models

Ensure other elements look accurate (Quality Control)

Wet and Snow Flags (Yes or No) See Next Slides

- State of Weather
- 0 - Clear, less than 1/10 cloud cover
 - 1 - Scattered clouds, 1/10 - 5/10 cloud cover
 - 2 - Broken clouds, 6/10 - 9/10 cloud cover
 - 3 - Overcast, 10/10 cloud cover
 - 4 - Fog
 - 5 - Drizzle
 - 6 - Rain
 - 7 - Snow or sleet
 - 8 - Showers
 - 9 - Thunderstorms

For 1988 Fuel Models adjust the Grass and Shrub Greenness Factors from 1-20 when editing daily 1300 Obs. 1=Cured 20=Full Greenup.

	GGF	SGF	W F	RD	SR%	Snow Flag
	12	17	N	505	54	N
	12	17	N	623	66	N
	12	17	Y	75	8	N

SNOW FLAG

- **Snow Flag** (on or off) will still need to be manually edited for accurate fuel moisture and fire danger index calculations in NFDRS Version 4.
- Use **EOBS** to turn the Snow Flag on or off in the far right column.
- Snow Flag settings can be retroactively edited using the Recalc WIMS FastPath Interface (**ENRR**).
- A Recalc of indices is required after making retroactive Snow Flag edits (**“N” or Nelson and then “2016 Indices Only”**).

Ver 5.2.5 FastPath **Weather Information Management System** Show [Navigation Tree](#)

Station ID: List or SIG Type: Date: Time:

[Edit Observations EOBS](#) [Back to Menu](#)

Station ID	Obs Tm	Obs Type	W	Dry Tmp	RH	M L	HC Rsk	Wind		10 Hr	Temp		RH%		Dur	Amt	Y L	FHC Rsk	W F	RD	SR%	Snow Flag
								Dir	SP		Max	Min	Max	Min								
201102	16	R	▼	44	100	0	0	79	7		49	41	100	50	10	0.7	0	0	N	81		N
201102	15	R	▼	46	97	0	0	72	7		49	41	100	50	10	0.7	0	0	N	133		N
201102	14	R	▼	45	99	0	0	78	6		49	41	100	48	10	0.7	0	0	N	175		N
201102	13	O	4	44	100		0	57	6		54	41	100	37	10	0.7		0	N	128	12	N
201102	12	R	▼	44	100	0	0	59	7		55	41	100	29	10	0.7	0	0	N	148		N
201102	11	R	▼	42	100	0	0	56	4		57	41	100	29	10	0.7	0	0	N	113		N

Editing Snow Flags using EOBS FastPath

Ver 5.2.5 FastPath

Weather Information Management System

Show [Navigation Tree](#)

Edit Observations EOBS

[Back to Menu](#)

Station ID: List or SIG Type: Date: Time:

Station ID	Obs Tm	Obs Type	W	Dry Tmp	RH	M L	HC Rsk	Wind		10 Hr	Temp		RH%		Dur	Amt	Y L	FHC Rsk	W F	RD	SR%	Snow Flag
								Dir	SP		Max	Min	Max	Min								
201002	16	R		43	99	0	0	77	7		53	40	99	36	10	0.79	0	0	N	104		N
201002	15	R		44	97	0	0	80	6		56	40	98	32	10	0.79	0	0	N	148		N
201002	14	R		44	97	0	0	62	7		57	40	98	27	10	0.79	0	0	N	169		N
201002	13	O	4	43	98		0	76	6		59	40	98	26	10	0.79		0	N	107	10	Y
201002	12	R		44	97	0	0	76	6		59	40	98	26	10	0.79	0	0	N	148		Y
201002	11	R		43	98	0	0	104	6		59	40	98	26	10	0.79	0	0	N	117		Y
201002	10	R		42	98	0	0	85	5		59	40	98	26	10	0.79	0	0	N	93		Y
201002	9	R		42	98	0	0	107	10		59	40	98	26	10	0.79	0	0	N	57		Y
201002	8	R		41	98	0	0	89	7		59	40	98	26	10	0.79	0	0	N	21		Y
201002	7	R		41	95	0	0	120	7		59	28	97	26	9	0.78	0	0	N	4		Y

Turn the Snow Flag on or off by entering **Y** or **N**. Then click on **"Save/Publish"**. The off or on will then carry forward in subsequent hourly observations until you edit the Snow Flag again.

Using NOAA Interactive Snow Website to Estimate Past Snow on/off Dates

<https://www.nohrsc.noaa.gov/interactive/html/map.html>

National Operational Hydrologic Remote Sensing Center
Interactive Snow Information

Navigation Tools: Home, Help, Comments, 21.73 N, 101.20 W

Redraw Map

Select Physical Element: Snow Water Equivalent

Select Date: 2022, April, 14, 19:00 UTC

Select Overlays: Hydrologic Features, Political Features, Point Features

Get Time Series for Station ID: [] Go

Get Time Series for Basin ID: [] ABRFC Go

Get Basin Averages for [] RFC Go

Get Climatology for Station ID: [] Go

Modeled Snow Water Equivalent forecasted for 2341 mi

"Get Time Series for Station ID"

- Enter Station ID (Not the WIMS ID) in the "Get Time Series for Station ID" box, and then Click on "Go" to go to snow data graphs for the RAWs of concern.
- The next slide demonstrates how to obtain the RAWs Station ID.

Legend: Snow Water Equivalent (0 to 6, 2 to 4, 1 to 2, trace to 1), Elevation in feet (> 13124, 8203 to 13124, 3281 to 8203, 3 to 3281, < 3)

Created 2022 Apr 14, 19:23 UTC

Using MesoWest to Obtain a RAWS Station ID

<https://mesowest.utah.edu/>

The screenshot shows the MesoWest website interface. At the top, the 'Region' is set to 'MICHIGAN' and the 'Product' is 'Surface Weather Maps'. The 'Data Selection' panel on the left has 'Region/Zone' set to 'MICHIGAN', 'Network' set to 'RAWS', and 'Units' set to 'English'. A red box highlights the 'RAWS' and 'English' dropdowns and the 'Refresh Map' button. The 'Display' panel shows 'Overlay 1' as 'Current Temp' and 'Highlight Data' checked. The 'Other Features' panel has 'Time Options' selected. The main map area shows a map of Michigan with several RAWS stations marked with black dots and numbered labels (30, 31, 32, 33, 36, 37, 39, 40). A tooltip for station 'DOE LAKE DOEM4 OK' is visible, showing the date '04/14/22 @ 15:04 EDT 19:04 UTC' and weather data: Wind SW 13 MPH, Peak Gust 26 MPH, Temperature 36 °F, Dew Point 20 °F, Humidity 51 %. An orange arrow points from the 'Refresh Map' button to the tooltip. A yellow box contains instructions for selecting a station and viewing its ID.

Most recent observation within 1 hr ending at 19:35 UTC 4/14/2022

“Get Time Series for Station ID”,

- Click on the state where the RAWS of concern is located.
- Select “RAWS” and “Refresh Map” to view RAWS on map.
- Click on the RAWS you wish to view the five character Station ID.

DOE LAKE DOEM4 OK	
04/14/22 @ 15:04 EDT 19:04 UTC	
Wind:	SW 13 MPH
Peak Gust:	26 MPH
Temperature:	36 °F
Dew Point:	20 °F
Humidity:	51 %

Using NOAA Interactive Snow Website to Estimate Past Snow on/off Dates

<https://www.nohrsc.noaa.gov/interactive/html/map.html>

Quick Query Links

Get Time Series for Station ID: Go Listing

Get Time Series for Basin ID: ABFC ▼ Go Listing

Get Basin Averages for RFC ▼ Go Listing

Get Climatology for Station ID: Go Listing

“Get Time Series for Station ID”,

022 April 14, 19:00 UTC

• Enter Station ID (Not the WIMS ID) in the “Get Time Series for Station ID” box, and then click on “Go” to go to snow data for the RAWS of concern.

The screenshot shows a web interface with a search form. The first row is highlighted with a red box and an orange arrow pointing to the 'Go' button. Below the form is a map with a red box highlighting a specific area. The text '022 April 14, 19:00 UTC' is displayed on the left side of the map area.

Using NOAA Interactive Snow Website to Estimate Past Snow on/off Dates

<https://www.nohrsc.noaa.gov/interactive/html/map.html>

National Operational Hydrologic Remote Sensing Center
Interactive Snow Information

Home News

Query Station Time Series
Station SHEF ID: DOEM4
600 width, 400 height
Submit

Reference Map

Links
Plot 1 data
Latest page
Preferences
Cookies off

Start Date: 2022 April 11 6:00 Z to Stop Date: 2022 April 17 6:00 Z
Plot 1 Data English Units Refresh screen More information on station DOEM4

Snow Water Equivalent, Snow Depth, and Snow Melt
Modeled and Observed

Station: DOEM4 - DOE LAKE
Latitude: 46.2536 N
Longitude: 86.7142 W
Elevation: 833 Feet
Start Date: 2022-04-11 06 UTC
Stop Date: 2022-04-17 06 UTC
Forest Density: 84%
Land Use: Cool Forest and Field

Forecasted values from 0 UTC

Date	(Modeled) Snow Water Equivalent (in)	(Observed) Snow Water Equivalent (in)	(Modeled) Snow Depth (in)	(Observed) Snow Depth (in)	(Modeled) Snow Density (%)	(Observed) Snow Density (%)	(Modeled) Snow Melt Rate (in/hr)	Period	Snow Cover
2022-04-11 06	2.47		7.16		34.5		0.01		
2022-04-11 07	2.44		7.16		34.1		0.01		
2022-04-11 08	2.41		7.16		33.6		0.01		
2022-04-11 09	2.39		7.16		33.4		0.01		
2022-04-11 10	2.36		7.15		33.0		0.02		
2022-04-11 11	2.32		7.00		33.2		0.02		
2022-04-11 12	2.30		6.74		34.1		0.05		
2022-04-11 13	2.25		6.49		34.6		0.05		
2022-04-11 14	2.18		6.27		34.7		0.05		
2022-04-11 15	2.10		5.87		35.8		0.07		
2022-04-11 16	2.03		5.89		34.5		0.23		
2022-04-11 17	1.80		5.08		35.4		0.07		
2022-04-11 18	1.71		4.27		40.1		0.13		
2022-04-11 19	1.60		4.30		37.2		0.27		
2022-04-11 20	1.33		3.00		44.3		0.09		
2022-04-11 21	1.27		3.07		41.2		0.31		
2022-04-11 22	0.98		1.99		49.3		0.21		
2022-04-11 23	0.76		2.01		37.7		0.13		
2022-04-12 00	0.63		1.37		45.9		0.19		
2022-04-12 01	0.44		1.37		32.3		0.08		
2022-04-12 02	0.37		0.96		37.9		0.00		
2022-04-12 03	0.36		0.96		37.7		0.00		

- Take note of the **modeled snow depths** for each day through the selected date range.
- This data can then be used to edit the Snow Flags for a RAWS using the **ENRR WIMS FastPath**.

Editing Snow Flags retroactively using the ENRR FastPath

FastPath **Weather Information Management System** Show [Navigation Tree](#)

Recalculate NFDRS ENRR [Back to Menu](#)

Enter NFDRS Recalculation Parameters

Station ID:

Type: ▾

Observation Date(s):

From:

To:

Enter the RAWS WIMS ID you edit, a 90 Day date range, and click on View/Edit Snow Flag.

Editing Snow Flags retroactively using the ENRR FastPath

View/Edit Snow Flag for Station 201103

Edit Snow Flag

Snow Flag Yes

Info: Observation has been retrieved!

	Obs Date	Snow Flag
<input type="checkbox"/>	06-Apr-22	N
<input type="checkbox"/>	04-Apr-22	N
<input type="checkbox"/>	02-Apr-22	N
<input type="checkbox"/>	01-Apr-22	N
<input type="checkbox"/>	31-Mar-22	N
<input type="checkbox"/>	29-Mar-22	N
<input type="checkbox"/>	28-Mar-22	N
<input type="checkbox"/>	27-Mar-22	N
<input type="checkbox"/>	26-Mar-22	N
<input type="checkbox"/>	22-Mar-22	N
<input type="checkbox"/>	21-Mar-22	N
<input type="checkbox"/>	19-Mar-22	N
<input type="checkbox"/>	18-Mar-22	Y
<input type="checkbox"/>	16-Mar-22	Y
<input type="checkbox"/>	15-Mar-22	Y
<input type="checkbox"/>	14-Mar-22	Y
<input type="checkbox"/>	13-Mar-22	Y
<input type="checkbox"/>	12-Mar-22	Y

Accessing WIMS

- Manually enter Y (Snow Flag on) or N (Snow Flag off) or use the options at the top to select the dates you wish to edit the Snow Flag settings.
- Click on "Save" to enable the edits.

- **When the Snow Flag is Yes:**
- Sets Air Temperature to 32°F / 0°C
- Sets Relative Humidity to 99.99%
- Sets Solar Radiation to 0
- Previous day's Precipitation Amount is carried forward

Recalculating NFDRSv4 Indices after editing Snow Flag Data using the ENRR FastPath

Recalculate NFDRS ENRR

Enter NFDRS Recalculation Parameters

Station ID:

Type:

Observation Date(s):

From:

To:

There are 68 observations to recal. It will take about 1.98 Seconds.
Continue with recal?

- Enter the RAWs **WIMS ID**.
- Select **"N"** to recalculate the **Nelson** dead fuel moistures first.
- Click on **"Find"**
- WIMS will display how many observations will be recalculated.
- Then Click on **Recalc** button at the bottom

Recalculating NFDRSv4 Indices after editing Snow Flag Data using the ENRR FastPath

Recalculate NFDRS ENRR Enter NFDRS Recalculation Parameters

Station ID:

Type:

Observation Date(s):

From:

To:

There are 68 observations to recalc. It will take about 1.98 Seconds.
Continue with recalc?

- Enter the RAWs WIMS ID.
- Select "2016 Indices Only" to recalculate the NFDRSv4 indices second.
- Click on "Find"
- WIMS will display how many observations will be recalculated.
- Then Click on Recalc button at the bottom

Checking Results of Recalculations using the DIDM/DIDX WIMS FastPaths

Display NFDRS Moisture (Index) DIDM

Station ID: or SIG Type: Start Date: End Date: Time: Find Reset

DIDM - Recalculated Fuel Moistures

Select which fuel models to display

P1: 16Y1P P2: 16W1P P3: 7G1P3 P4: 7E1P3 P5: 7C1P3 P6: 7Q1P3 P7: 16X1P P8: 16V1P P9: 16Z1P

Station ID	Obs Date	Obs Tm	Obs Type	MSGC	WDY FM	HRB FM	1H FM	10 FM	HU FM	TH FM	XT FM	KBDI	W F	Snow Flag	GSI WDY	GSI WDY FM	GSI HRB	GSI HRB FM
201103	14-Apr-22	13	N	16Y1P	60.0	30.0	29.51	26.27	20.48	20.66	-99.99	0	N	N	0.19	60.0	0.19	30.0
201103	13-Apr-22	13	N	16Y1P	60.0	30.0	34.20	29.67	18.92	20.71	-99.99	2	N	N	0.18	60.0	0.18	30.0
201103	12-Apr-22	13	N	16Y1P	60.0	30.0	33.52	16.94	18.77	20.68	-99.99	4	N	N	0.14	60.0	0.14	30.0
201103	11-Apr-22	13	N	16Y1P	60.0	30.0	33.04	16.03	19.92	20.38	-99.99	2	N	N	0.14	60.0	0.14	30.0
201103	10-Apr-22	13	N	16Y1P	60.0	30.0	12.03	15.81	21.74	20.39	-99.99	0	N	N	0.10	60.0	0.10	30.0
201103	09-Apr-22	13	N	16Y1P	60.0	30.0	29.64	20.17	22.97	20.42	-99.99	0	N	N	0.12	60.0	0.12	30.0

Display Index Format DIDX

[Back to](#)

Station ID: or SIG Type: Start Date: End Date: Time: Find Reset Print Export

Select which fuel models to display

P1: 16Y1P P2: 16W1P P3: 7G1P3 P4: 7E1P3 P5: 7C1P3 P6: 7Q1P3 P7: 16X1P P8: 16V1P P9: 16Z1P

DIDX - Recalculated NFDRSv4 Indices

Station ID	Obs Date	Obs Tm	Obs Type	MSGC	Wind SP	WDY FM	HRB FM	1H FM	10 FM	HU FM	TH FM	XH	IC	SC	ERC	BI	SL	R	KBDI	FL	LR	LO	HC Rsk	HO
201103	14-Apr-22	13	N	16Y1P	12	60.0	30.0	29.51	26.27	20.48	20.66	-99.99	0.0	0.0	6.1	0.0	1	L	0	0	0	0	0	0
201103	14-Apr-22	13	N	16W1P	12	60.0	30.0	29.51	26.27	20.48	20.66	-99.99	0.0	0.0	0.0	0.0	1	L	0	0	0	0	0	0
201103	13-Apr-22	13	N	16Y1P	7	60.0	30.0	34.20	29.67	18.92	20.71	-99.99	0.0	0.0	4.2	0.0	1	L	2	0	0	0	0	0
201103	13-Apr-22	13	N	16W1P	7	60.0	30.0	34.20	29.67	18.92	20.71	-99.99	0.0	0.0	0.0	0.0	1	L	2	0	0	0	0	0
201103	12-Apr-22	13	N	16Y1P	5	60.0	30.0	33.52	16.94	18.77	20.68	-99.99	0.0	0.0	8.3	0.0	1	L	4	0	0	0	0	0
201103	12-Apr-22	13	N	16W1P	5	60.0	30.0	33.52	16.94	18.77	20.68	-99.99	0.0	0.0	0.0	0.0	1	L	4	0	0	0	0	0
201103	11-Apr-22	13	N	16Y1P	14	60.0	30.0	33.04	16.03	19.92	20.38	-99.99	0.0	0.0	8.6	0.0	1	L	2	0	0	0	0	0
201103	11-Apr-22	13	N	16W1P	14	60.0	30.0	33.04	16.03	19.92	20.38	-99.99	0.0	0.0	0.0	0.0	1	L	2	0	0	0	0	0
201103	10-Apr-22	13	N	16Y1P	11	60.0	30.0	12.03	15.81	21.74	20.39	-99.99	8.9	2.7	15.4	16.8	4	M	0	12	0	0	0	0
201103	10-Apr-22	13	N	16W1P	11	60.0	30.0	12.03	15.81	21.74	20.39	-99.99	5.1	11.2	0.9	8.6	1	L	0	6	0	0	0	0
201103	09-Apr-22	13	N	16Y1P	15	60.0	30.0	29.64	20.17	22.97	20.42	-99.99	0.0	0.0	7.0	0.0	1	L	0	0	0	0	0	0
201103	09-Apr-22	13	N	16W1P	15	60.0	30.0	29.64	20.17	22.97	20.42	-99.99	0.0	0.0	0.0	0.0	1	L	0	0	0	0	0	0

WET FLAG

- Flag in the observation that notes the fuels are wet.
- The State of the Weather will set the Wet Flag to Y or N.
- The Wet Flag can be forced to Y even if the State of the Weather keeps Wet Flag set to N.
- Setting the WF to Y will drive up the 1000hr and therefore effect live fuel moistures.
- The parameters for a Wet Flag can be modified on the ESTA page in the NFDRS section where the precipitation amounts and duration time can be changed. Default settings are based on the selected climate class of the station.

SOW & Wet Flag Thresholds (Precip last 24 Hrs)	CC* Default?
1HR_Drizzle (inches)	0.05
1HR_Rain (inches)	0.1
1HR_Showers (inches)	0.25
3HR_DUR_WetFlag (hours)	2
3HR_AMT_WetFlag (inches)	0.5
24HR_DUR_WetFlag (hours)	10
24HR_AMT_WetFlag (inches)	0.75

* Climate Class of the first priority Fuel Model (16X)

Print/Export Observations

- Print – creates a file formatted for printing
- Export – creates a comma delimited file
 - Maybe imported into spreadsheets, etc.

Print/Export Obs

Print Export



Ver. 5.1.2 FastPath DOBS

Weather Information Management System

Show Navigation T

Display Observations DOBS

[Back to Menu](#)

Station ID: or SIG Type: Start Date: End Date: Time:

Station ID	Obs Date	Obs Tm	Obs Type	W	Dry Tmp	RH	M L	HC Rsk	Wind		10 Hr	Temp		RH%		Dur	Amt	Y L	FHC Rsk	SC	GGF	SGF	W F	RD	SR%	Snow Flag
									Dir	SP		Max	Min	Max	Min											
463001	09-Oct-19	13	O	2	72	59		0	42	6		72	53	100	56	0	0		0	3	12	17	N	505	54	N
463001	08-Oct-19	13	O	2	67	63		0	40	8		67	50	100	63	1	0.06		0	3	12	17	N	623	66	N
463001	07-Oct-19	13	O	6	55	92		0	40	9		74	55	100	87	19	2.51		0	3	12	17	Y	75	8	N
463001	06-Oct-19	13	O	3	71	92		0	200	5		85	62	100	36	7	0.54		0	3	12	17	N	264	28	N
463001	05-Oct-19	13	O	2	81	39		0	203	6		81	49	91	33	0	0		0	3	12	17	N	656	68	N
463001	04-Oct-19	13	O	2	72	40		0	25	7		95	58	85	32	0	0		0	3	12	17	N	677	70	N
463001	03-Oct-19	13	O	2	94	38		0	282	10		94	63	100	35	0	0		0	3	12	17	N	595	61	N
463001	02-Oct-19	13	O	2	90	43		0	286	7		95	64	100	36	0	0		0	3	12	17	N	504	51	N
463001	01-Oct-19	13	O	3	94	38		0	233	9		94	65	100	35	0	0		0	3	12	17	N	490	50	N

Total number of rows retrieved: 9 Completeness percentage: 90%

Print Output

File Edit View Favorites Tools Help

Station ID	Name	Obs Date	Obs Tm	Obs Typ	Obs S	Dry W	RH %	M %	HC L	Wnd Rsk	Wnd Dir	10 Sp	Temp Hr	Temp Max	Temp Min	RH% Max	RH% Min	Dur	Amt	Y FHC	SC L	GGF Rsk	SGF	RD	SR%
460901	KINGWOOD	12-Feb-13	13	0	1	44	41		0	255	12		59	34	64	23		0	0	0	1	0	0	618	76
460901	KINGWOOD	11-Feb-13	13	0	2	59	45		0	232	17		59	38	88	25		6	0.13	0	1	0	0	461	57
460901	KINGWOOD	10-Feb-13	13	0	3	48	32		0	27	3		48	11	89	32		0	0	0	1	0	0	343	43
460901	KINGWOOD	09-Feb-13	13	0	2	30	53		0	294	6		38	22	94	53		2	0.02	0	1	0	0	595	74
460901	KINGWOOD	08-Feb-13	13	0	3	38	94		0	271	11		48	36	94	53		9	0.4	0	1	0	0	37	5
460901	KINGWOOD	07-Feb-13	13	0	3	42	60		0	260	2		42	23	95	60		3	0.07	0	1	0	0	270	34
460901	KINGWOOD	06-Feb-13	13	0	3	29	86		0	280	5		36	27	96	82		5	0.22	0	1	0	0	35	4
460901	KINGWOOD	05-Feb-13	13	0	4	35	96		0	223	10		35	26	98	51		2	0.03	0	1	0	0	93	12
460901	KINGWOOD	04-Feb-13	13	0	2	28	51		0	243	10		28	17	89	51		0	0	0	1	0	0	489	64
460901	KINGWOOD	03-Feb-13	13	0	7	26	85		0	238	6		26	22	92	45		0	0	0	1	0	0	191	25
460901	KINGWOOD	02-Feb-13	13	0	3	22	45		0	220	9		22	4	77	45		0	0	0	1	0	0	198	26
460901	KINGWOOD	01-Feb-13	13	0	3	12	58		0	248	12		26	10	91	49		0	0	0	1	0	0	287	38

Export Output (Excel File)

Microsoft Excel

Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment Number Styles Cells Editing

A1 Station_ID

DobsExport[1].csv

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	A
1	Station_ID	Station_N	Obs_Dt	Obs_Tm	Obs_Type	W	Dry_Tmp	RH	M_L	HC_Rsk	Wind_Dir	Wind_SP	10_Hr	Temp_Ma	Temp_Mi	RH%_Max	RH%_Min	Dur	
2	460901	KINGWOC	#####	13	O	1	44	41		0	255	12		59	34	64	23	0	
3	460901	KINGWOC	#####	13	O	2	59	45		0	232	17		59	38	88	25	6	
4	460901	KINGWOC	#####	13	O	3	48	32		0	27	3		48	11	89	32	0	
5	460901	KINGWOC	9-Feb-13	13	O	2	30	53		0	294	6		38	22	94	53	2	
6	460901	KINGWOC	8-Feb-13	13	O	3	38	94		0	271	11		48	36	94	53	9	
7	460901	KINGWOC	7-Feb-13	13	O	3	42	60		0	260	2		42	23	95	60	3	
8	460901	KINGWOC	6-Feb-13	13	O	3	29	86		0	280	5		36	27	96	82	5	
9	460901	KINGWOC	5-Feb-13	13	O	4	35	96		0	223	10		35	26	98	51	2	
10	460901	KINGWOC	4-Feb-13	13	O	2	28	51		0	243	10		28	17	89	51	0	
11	460901	KINGWOC	3-Feb-13	13	O	7	26	85		0	238	6		26	22	92	45	0	
12	460901	KINGWOC	2-Feb-13	13	O	3	22	45		0	220	9		22	4	77	45	0	
13	460901	KINGWOC	1-Feb-13	13	O	3	12	58		0	248	12		26	10	91	49	0	



*Questions/Comments?
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