



About FireFamilyPlus: Version 4.1 (February 2013)

FEATURES ADDED in FFP 4.1

New Analysis Variables:

1. Fosberg Fire Weather Index (FFWI).
2. Live Fuel Index Based Live Herbaceous Fuel Moisture (LFI WoodyFM - Experimental)
3. Live Fuel Index Based Woody Fuel Moisture (LFI HerbFM - Experimental)

New Station Metadata:

1. WIMS Regular Scheduled Observation Time (RS)
2. NESDIS Station ID
3. WRCC Station ID

New NFDRS Processing Options to more closely align with WIMS Version 2:

- Process NFDRS for both traditional "O" records and WIMS Version 2.0 "R" records with calculated State of Weather and WetFlag based. These "R" records, for the RS time, are currently only available from **WIMS** via the PLST or Dashboard (FW9 Export Functions).
- State of Weather can be estimated for the RS observation from hourly weather data as is done in the WIMS RAWS Gateway. Solar Radiation and Precipitation Thresholds can be modified as in WIMS. **See Weather->Hourly Data Analysis->Calculated SOW/WetFlag.**
- WIMS Snow Flag logic in NFDR computations. (The Snow Flag is not yet transmitted to external but should be part of FW13 export by spring of 2013.)
- Weather Data->Import and Export will accommodate both FW9 and new FW13 Fire Weather Transfer Formats. FW13 adds Solar Radiation, Hourly Gust and Snow Flag.

TERM: A Term module has been added (Weather->Term). Term files can be initially populated from the Event Locator or manually. Term files can be imported and exported to text files. **See Help Topic "Term."**

FIXES AND ENHANCEMENTS in FFP 4.1

Interactive Batch: More robust with better continuity between working set in Interactive and Classic modes. Reports in Interactive Batch can be edited and Copy, Cut, and Paste functions work as in the classic mode (Ctrl-C, Ctrl-X, Ctrl-V). Left clicking mouse in Graph Window now returns X and Y values as in Classic mode.

Stats Graphs: Overlay Year(s) are now included in File->Export Graph Data.

Fire Occurrence Graphs: File->View Graph Data moved to Option->View Graph Data

Fire Analysis Graphs: Lines thicker and line types differ for Fire-Day types.

Fire Analysis Statistics: Sum of Squares information removed for easier reading.

Icons added to Toolbar for Daily List (L), Viewing Daily Observations (D), viewing All Observations (R), and viewing Fire Business Candidates (C).

Data Count Report: Reformatted for easier reading.

Selecting Variables: The display order may be changed by clicking the Variables button. Available orders are: Alphabetical, Group (WX/NFDRS/CFDR), and ID (from ffpClimateOptions table).

Daily List: Results of Daily List can be directly exported into the current FireFamilyPlus database as a table. Table is always overwritten and named "DL_Output." StationID or SIG name is included in each record. Memo field of first record in DL_Output holds the run parameters.

Batch\Run Options: Moved from Options to Batch on the main menu.

NFDRS Calculator: Validates field limits and recalls last session.

Data->Import->Weather (FWX/FW9/FW13): If the importer detects a station ID from the Western Region Climate Center (WRCC), you have the option to load the data under the WRCC ID (current functionality) or the associated WIMS ID (new functionality).

WHO'S RESPONSIBLE?

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Programming: Stuart Brittain and Luke Schelvan, Systems for Environmental Management, Missoula Montana.

User's Guide and Help System: Deb Tirmenstein, Systems for Environmental Management.
