

User Guide for FEMS Dispatch Auto Climatology 5 Stations Spreadsheet

The intent of this spreadsheet is to provide users one method to ingest FEMS data and produce the NFDRS output values and percentiles for a single station or averaged outputs for multiple stations. It will also provide staffing levels, dispatch levels and adjective rating from the old WIMS calculations. Those calculations are not a national standard and are for reference purposes only. Field units and dispatch centers should utilize breakpoints if they have completed a fires analysis for the local area. The outputs on the spreadsheet are based solely on climatological data. The spreadsheet is not a national standard document and users are encouraged to develop their own products as needed. Averaging multiple stations together should be done with caution since it is likely to reduce the overall understanding of fire danger values that individual stations provide, and it is encouraged to monitor all stations of interest individually.

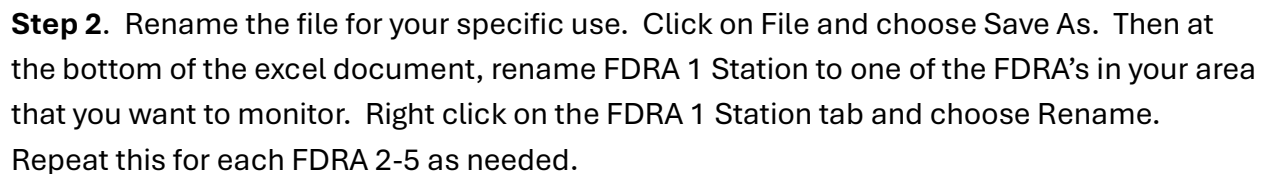
The spreadsheet is locked except for the yellow highlighted cells and the green highlighted Station ID cells.

This spreadsheet is set up to automatically pull all climatological data from FEMS once the station ID's are populated. Each tab in the spreadsheet is set up to handle that number of stations. FDRA 1 station is only used for 1 station. FDRA 2 station allows for 2 stations. Do not modify the number of stations on each tab as it will break the spreadsheet.

Type	Observed	Observed	Observed	Observed	Observed	Forecast	Forecast	Forecast
Number of Stations Reporting	1	1	1	1	1	1	1	1
10 Hr.	6.47	5.71	7.32	6.41	6.36	4.16	3.83	4.27
10 Hr. Percentile	36.90	24.00	51.10	36.90	35.00	2.60	1.10	3.50
100 Hr.	6.02	6.33	6.6	7.89	8.3	7.89	7.15	6.64
100 Hr. Percentile	1.00	2.60	3.70	18.10	24.00	18.10	9.50	4.60
1000 Hr.	7.15	7.09	7.18	7.19	7.31	7.44	7.52	7.58
1000 Hr. Percentile	1.30	1.00	1.30	1.30	2.10	2.80	3.30	3.40

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FDRA 1 Station
FDRA 2 Stations
FDRA 3 Stations
FDRA 4 Stations
FDRA 5 Stations
+

Step 1. When the spreadsheet is opened for the first time on your machine Excel may ask about privacy levels. Choose Ignore Privacy levels for this file. From the drop down, click on <https://fems.fs2c.usda.gov/>. Click OK.



	5 Class Staffing Level Inputs				Dispatch Level Inputs							
		Index	ERC	K			Index	BI	M			
	SL Break Points				Number of Classes							
	Breakpoint 1	Breakpoint 2	Breakpoint 3	Breakpoint 4			Breakpoint 1	Breakpoint 2				
	90th / 4	90th / 2	90th	97th			20	32				
	15.92	31.84	63.67	67.90								
Decision Classes												
	08/15/2025	08/16/2025	08/17/2025	08/18/2025	08/19/2025	08/20/2025	08/21/2025	08/22/2025	08/23/2025	08/24/2025	08/25/2025	08/26/2025
Staffing Level	4	4	4	4	4	5	5	5	4	5	5	4
Dispatch Level	High	High	High	High	High	High	High	High	High	High	High	High
Adjective Rating	High	High	High	Very high	Very high	Extreme	Extreme	Very high	Very high	Very high	Very high	High
FEMS NFDRS Outputs and Percentiles												
	08/15/2025	08/16/2025	08/17/2025	08/18/2025	08/19/2025	08/20/2025	08/21/2025	08/22/2025	08/23/2025	08/24/2025	08/25/2025	08/26/2025
	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday
Type	Observed	Observed	Observed	Observed	Observed	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
Number of Stations Reporting	1	1	1	1	1	1	1	1	1	1	1	1
10 Hr.	6.47	5.71	7.32	6.41	6.36	4.16	3.83	4.27	4.64	4.98	5.39	5.7
10 Hr. Percentile	36.90	24.00	51.10	36.90	35.00	2.60	1.10	3.50	7.40	11.00	17.40	22.50
100 Hr. Percentile	6.02	6.33	6.6	7.89	8.3	7.89	7.15	6.64	6.52	6.48	6.45	6.45
100 Hr. Percentile	1.00	2.60	3.70	18.10	24.00	18.10	9.50	4.60	3.70	3.20	3.20	3.20
1000 Hr.	7.15	7.09	7.18	7.19	7.31	7.44	7.52	7.58	7.43	7.31	7.22	7.18
1000 Hr. Percentile	1.30	1.00	1.30	1.30	2.10	2.80	3.30	3.40	2.80	2.10	1.70	1.30
FDRA 1 Station FDRA 2 Stations FDRA 3 Stations FDRA 4 Stations FDRA 5 Stations +												

[illegible][illegible]

	A	B	C	D	E	F	G	H	I	J
	Initial inputs									
	User inputs required in shaded / highlighted cells .									
FDRA Name	PSA NC01									
Fuel Model	Y - Timber			Percentile Date Filter Start	01/01			Day of Year: 1		
Number of RAWs	6			Percentile Date Filter End	12/31			Day of Year: 365		
	RAWS 1	RAWS 2	RAWS 3	RAWS 4	RAWS 5	RAWS 6				
Station ID	40102	40421	40425	40427	40428	40429				
	5 Class Staffing Level Inputs									
		Index	ERC	J				Dispatch Level inputs		
		SL Break Points	80th / 95th					Index	BI	L
								Number of Classes	3	
	Breakpoint 1	Breakpoint 2	Breakpoint 3	Breakpoint 4				Breakpoint 1	Breakpoint 2	
	80th / 4	80th / 2	80th	95th				20	32	
	7.27	14.53	29.06	36.10						

	A	B	C	D	E	F	G	H	I	J
1										
2	Initial inputs									
3	User inputs required in shaded / highlighted cells .									
4	FDRA Name	PSA NC01								
5	Fuel Model	Y - Timber		Percentile Date Filter Start	01/01		Day of Year: 1			
6	Number of RAWs	6		Percentile Date Filter End	12/31		Day of Year: 365			
7		RAWS 1	RAWS 2	RAWS 3	RAWS 4	RAWS 5	RAWS 6			
8	Station ID	40102	40421	40425	40427	40428	40429			
9										
10	5 Class Staffing Level Inputs									
11		Index	ERC	J				Dispatch Level Inputs		
12		SL Break Points	80th / 95th					Index	BI	L
13		Breakpoint 1	Breakpoint 2	Breakpoint 3	Breakpoint 4			Number of Classes	3	
14		80th / 4	80th / 2	80th	95th			Breakpoint 1	Breakpoint 2	
15		7.27	14.53	29.06	36.10			20	32	

The screenshot shows the Microsoft Excel interface. The 'Data' tab is selected on the ribbon. The 'Refresh All' button is circled in red, with a red arrow pointing to it. Below the ribbon, the formula bar shows 'B51' and the date '3/1/2005'. The spreadsheet grid shows columns A through N, with row 1 highlighted in green and labeled 'Initial inputs'.