



Florida Department of Environmental Protection

PMTS Overview

March 22, 2016





Objectives

- PMTS Data Review and Upload of Filter Data
 - F files
 - Field Data Upload
 - Validate Filter
 - Lab Analysis Report
 - Filter Data Transfer to FAMAS



F1 Files to PMTS

- How often do you upload F1 files?
 - Weekly?
 - Monthly?
- Uploading the F1 file will marry up the data from the lab with the data from the field
- You can see this when you run a Compare Collocated Report.

Particulate Matter Filter Tracking

PM2.5 Home | Filter Data | Information | Reports | Validation Status | A

South

Shipping Data
Field Data
Lab Data w/o Field Data

Upload Field Data
Edit Field Data
Ignore Filters
Validate Data

Shipping Data (0 filters without Lab Data)

Field Data (0 filters without Lab Data)

Lab Data (55 filters not validated and transferred to FAMAS)

NOTE: Make sure PMTS is updated with the correct samplers or the F1 upload will fail.



2025 Filter Data

SO012016F - Notepad

File Edit Format View Help

2025 1.411 F D

Filter ID	Cass ID	Set	Start Date	Set Start Time	Act Start Date	Act Start Time	Set Stop Date	Set
"T4612316"	"RP000000"		2015/09/10,00:00	2015/09/10,00:00	2015/09/10,00:00	000:00	0.0,	
"T4612321"	"RP000000"		2015/09/12,00:00	2015/09/12,00:00	2015/09/13,00:00	024:00	16.7,	
"T4612322"	"RP000000"		2015/09/15,00:00	2015/09/15,00:00	2015/09/16,00:00	024:00	16.7,	
"T4612624"	"RP000000"		2015/09/18,00:00	2015/09/18,00:00	2015/09/19,00:00	024:00	16.7,	
"T4612625"	"RP000000"		2015/09/21,00:00	2015/09/21,00:00	2015/09/22,00:00	024:00	16.7,	
"T4612630"	"RP000000"		2015/09/24,00:00	2015/09/24,00:00	2015/09/25,00:00	024:00	16.7,	
"T4612631"	"RP000000"		2015/09/27,00:00	2015/09/27,00:00	2015/09/28,00:00	024:00	16.7,	
"T4612636"	"RP000000"		2015/09/30,00:00	2015/09/30,00:00	2015/10/01,00:00	024:00	16.7,	
"T4612637"	"RP000000"		2015/10/01,00:00	2015/10/01,00:00	2015/10/01,00:00	000:00	0.0,	
"T4612930"	"RP000000"		2015/10/03,00:00	2015/10/03,00:00	2015/10/04,00:00	024:00	16.7,	
"T4612931"	"RP000000"		2015/10/06,00:00	2015/10/06,00:00	2015/10/07,00:00	024:00	16.7,	
"T4612936"	"RP000000"		2015/10/09,00:00	2015/10/09,00:00	2015/10/10,00:00	024:00	16.7,	
"T4612937"	"RP000000"		2015/10/12,00:00	2015/10/12,00:00	2015/10/13,00:00	023:52	16.7,	
"T4613376"	"RP000000"		2015/10/15,00:00	2015/10/15,00:00	2015/10/16,00:00	024:00	16.7,	
"T4613377"	"RP000000"		2015/10/18,00:00	2015/10/18,00:00	2015/10/19,00:00	024:00	16.7,	
"T4613370"	"RP000000"		2015/10/21,00:00	2015/10/21,00:00	2015/10/22,00:00	024:00	16.7,	
"T4613371"	"RP000000"		2015/10/22,00:00	2015/10/22,00:00	2015/10/22,00:00	000:00	0.0,	
"T4613383"	"RP000000"		2015/10/24,00:00	2015/10/24,00:00	2015/10/25,00:00	024:00	16.7,	
"T4613384"	"RP000000"		2015/10/27,00:00	2015/10/27,00:00	2015/10/28,00:00	024:00	16.7,	
"T4613649"	"RP000000"		2015/10/30,00:00	2015/10/30,00:00	2015/10/31,00:00	024:00	16.7,	
"T4613650"	"RP000000"		2015/11/02,00:00	2015/11/02,00:00	2015/11/03,00:00	024:00	16.7,	
"T4613656"	"RP000000"		2015/11/05,00:00	2015/11/05,00:00	2015/11/06,00:00	024:00	16.7,	
"T4613657"	"RP000000"		2015/11/08,00:00	2015/11/08,00:00	2015/11/09,00:00	023:59	16.7,	
"T4613663"	"RP000000"		2015/11/11,00:00	2015/11/11,00:00	2015/11/12,00:00	023:59	16.7,	
"T4613955"	"RP000000"		2015/11/17,00:00	2015/11/17,00:00	2015/11/18,00:00	024:00	16.7,	
"T4613956"	"RP000000"		2015/11/20,00:00	2015/11/20,00:00	2015/11/21,00:00	024:00	16.7,	
"T4613957"	"RP000000"		2015/11/23,00:00	2015/11/23,00:00	2015/11/24,00:00	024:00	16.7,	
"T4613947"	"RP000000"		2015/11/26,00:00	2015/11/26,00:00	2015/11/27,00:00	024:00	16.7,	
"T4613948"	"RP000000"		2015/11/29,00:00	2015/11/29,00:00	2015/11/30,00:00	024:00	16.7,	
"T4614162"	"RP000000"		2015/12/02,00:00	2015/12/02,00:00	2015/12/03,00:00	024:00	16.7,	



Field Data Upload

- The upload field data section used to upload field data from 2025 samplers
- There are two methods available to upload **Field Data**:
 - Automatically read field file and display data prior to uploading
 - Manual data entry



Automatically Read File

- Click the “**Browse**” button and navigate to location of F1 file.
- Highlight file and click to **Open**.
- Click “**Preview**” button.
 - Note: Data will be loaded into preview pane as below.
- Then click “**Insert Field Data in PM2.5**” button.



USE THE DROPDOWN ON THE RIGHT TO ADD FILTERS FOR WHICH YOU DO NOT HAVE FIELD FILES (MANUAL DATA ENTRY).

YOU MAY ADD ONE OR MORE FILES FOR UPLOAD BY USING THE **BROWSE** AND **PREVIEW** BUTTONS ON THE LEFT.

First Page Previous Page Next Page Last Page

Displaying page 1 of 1 pages.
Total of 3 records.

	Filter ID		Cassette ID	Actual Start Date	Site ID 1
	T3565131	Edit Remove	RP000000	2016/01/13	1203300048 20724
					Edit Site ID 1 Repeat Site ID
	T3565459	Edit Remove	RP000000	2016/01/25	1203300048 20724
					Edit Site ID 1 Repeat Site ID
	T5560010	Edit Remove	RP000000	2016/02/06	1203300048 20724
					Edit Site ID 1 Repeat Site ID





Field Data Page

Particulate Matter Filter Tracking

DEPARTMENT OF
ENVIRONMENTAL PROTECTION

PM2.5 Home | Filter Data | Information | Reports | Validation Status | Administrative Menu | Help |

T9662581	Applied status codes, model 2025 ORA-00001: unique constraint (PM2PS.PK_APPLIED_SAMPLER_STATUS_CODE) violated
T9662796	Filter data updated with field data
T9662797	Filter data updated with field data
T9662798	Filter data updated with field data
T9662799	Filter data updated with field data
T9662800	Filter not found in database
T9662802	Filter data updated with field data
T9662803	Filter data updated with field data

First Page Previous Page Next Page Last Page

Displaying page 1 of 2 pages.
Total of 8 records.

	Filter ID		Cassette ID	Actual Start Date	Site ID 1	
(R)	T9662581	Edit Remove	RP000008	2010/02/03	120573002A 21430	Edit Site ID 1 Repeat Site ID
	Filter ID		Cassette ID	Actual Start Date	Site ID 1	
(R)	T9662796	Edit Remove	RP000001	2010/02/04	120573002A 21430	Edit Site ID 1 Repeat Site ID
	Filter ID		Cassette ID	Actual Start Date	Site ID 1	
(R)	T9662797	Edit Remove	RP000002	2010/02/05	120573002A 21430	Edit Site ID 1 Repeat Site ID
	Filter ID		Cassette ID	Actual Start Date	Site ID 1	
(R)	T9662798	Edit Remove	RP000003	2010/02/06	120573002A 21430	Edit Site ID 1 Repeat Site ID
	Filter ID		Cassette ID	Actual Start Date	Site ID 1	
(R)	T9662799	Edit Remove	RP000004	2010/02/07	120573002A 21430	Edit Site ID 1 Repeat Site ID



Field Data Page

Filter Serial	Actual Start Date	Status Code	Lab Flag
T3565125	01/07/2016		
T3565126	01/10/2016		
T3565127	01/13/2016		
T3565129	01/16/2016		
COUNTY: ESCAMBIA		SITE: ELLYSON	SAMPLER: 20720
		CASSETTE: RP000000	
PREWEIGHT DATE: 12/28/2015 00:00		EXPIRATION DATE: 01/27/2016 00:00	
SET START DATE: 01/16/2016 00:00		ACT START DATE: 01/16/2016 00:00	
SET STOP DATE: 01/17/2016 00:00		MAX DIFF TEMP DATE: 01/16/2016 14:25	
TOTAL SAMPLE TIME:		VALID TIME: 24	
TOTAL MINUTES: 1439		VALID MINUTES: 1439	
POWER FAILURE DATE:		PM 2.5 CONCENTRATION: 6.2903	
AVERAGE FLOW: 16.7	FLOW CV: 1		
VOLUME: 24.8	AIR FLOW:	Min: 16.5	Max: 16.8
AMBIENT TEMPERATURE	Min: 8.1	Avg: 14.2	Max: 22.1
			MAX DIFF TEMP: 3.4
FILTER TEMPERATURE	Min: 10.1	Avg: 15.9	Max: 23.9
AMBIENT PRESSURE	Min: 753	Avg: 755	Max: 758
RELATIVE HUMIDITY	Min: 20.3	Avg: 51.6	Max: 85.3
AVG WIND SPEED: 1	AVG WIND VELOCITY: 1	AVG WIND DIRECTION: 0	
ANALOG INPUT 1: -.57	ANALOG INPUT 2: -.57	ANALOG INPUT 3: -.57	
SITE ID 1: 120330004A 20720		SITE ID 2: 200FA412329809	
COLLOCATED: N		UPLOADED BY: Stoll_c	
POSTWEIGHT DATE: 02/06/2016 00:00		POSTWEIGHT: 362.345	DELTA WEIGHT: 156
T3565130	01/19/2016		SIS
T3565131	01/13/2016		
T3565455	01/22/2016		SIS
T3565456	01/25/2016		SIS
T3565457	01/28/2016		
T3565458	01/31/2016		



Edit Field Data Page

Edit Filter Data - PM 2.5 -- Webpage Dialog

T3565129

COUNTY: SITE:

SAMPLER: CASSETTE:

SET START DATE: ACT START DATE:

SET STOP DATE: MAX DIFF TEMP DATE:

TOTAL SAMPLE TIME: VALID TIME:

TOTAL MINUTES: VALID MINUTES:

POWER FAILURE DATE:

Calculated Concentration: 6.2

AVERAGE FLOW: FLOW CV:

VOLUME: AIR FLOW: MIN: MAX:

AMBIENT TEMPERATURE MIN: AVG: MAX: MAX DIFF TEMP:

FILTER TEMPERATURE MIN: AVG: MAX:

AMBIENT PRESSURE MIN: AVG: MAX:

RELATIVE HUMIDITY MIN: AVG: MAX:

AVG WIND SPEED: AVG WIND VELOCITY: AVG WIND DIRECTION:

ANALOG INPUT 1: ANALOG INPUT 2: ANALOG INPUT 3:

SITE ID 1: SITE ID 2:

COLLOCATED: UPLOADED BY:

https://fldep.dep.state.fl.us/pm2p5/edit_filter_window.a Local intranet | Protected Mode: Off



PM_{2.5} Analysis Report

PM2.5 Analysis Report				
Florida Department of Environmental Protection Central Laboratory 2800 Blair Stone Road Tallahassee, Florida 32399-2400				
Filters Received in Magazine: M0041				
T4606025	<u>Weight (mg)/Delta (ug)</u>	<u>Date</u>	<u>Qualifier</u>	<u>Comment</u>
PRE	383.135	18-NOV-2014 09:19		
POST	383.392	29-DEC-2014 14:19		
DELTA	257	NA		
T4606203	<u>Weight (mg)/Delta (ug)</u>	<u>Date</u>	<u>Qualifier</u>	<u>Comment</u>
PRE	376.23	24-NOV-2014 09:15		
POST	376.544	29-DEC-2014 08:26	SIS	Substance on filter surface.
DELTA	314	NA		
T4606204	<u>Weight (mg)/Delta (ug)</u>	<u>Date</u>	<u>Qualifier</u>	<u>Comment</u>
PRE	376.309	24-NOV-2014 09:16		
POST	376.59	29-DEC-2014 08:27	SIS	Substance on filter surface.
DELTA	281	NA		

- Review the PM_{2.5} Analysis Report.
- The lab flags will show up on the PM_{2.5} Analysis Report.
- Investigate the cause.
- It may result in the data validator having to add qualifiers or null codes to a sample.



PM_{2.5} Analysis Report (continued)

- Perform thorough investigation prior to null code application.
- The goal is to capture maximum amount of legally defensible data.

Filters Received in Magazine: M0020

T4611407	<u>Weight (mg)/Delta (ug)</u>	<u>Date</u>	<u>Qualifier</u>	<u>Comment</u>
PRE	382.514	14-JUL-2015 08:42	ISP SIS	Particles on filter surface. Received at 8.6 degrees C and weighed more than 10 days after sampling.
POST	382.683	25-AUG-2015 12:31		
DELTA	169	NA		

Filters Received in Magazine: M0401

Receiving Comment: Arrived above Temperature Threshold of 4C (6.1C)

T4612325	<u>Weight (mg)/Delta (ug)</u>	<u>Date</u>	<u>Qualifier</u>	<u>Comment</u>
PRE	376.854	24-AUG-2015 09:32	ISP	Received at 6.1 degrees C and weighed more than 10 days after sampling.
POST	376.948	05-OCT-2015 10:29		
DELTA	94	NA		



Validate Filter

- Click “**Change Quarter**” to set desired quarter to review.
- Click the darkened highlighted tab to verify samples.

Particulate Matter
Filter Tracking

PM2.5 Home | Filter Data | Information | Reports | Validation Status | Administrative Menu | Help | User Manual |

Validate data for Northwest District

Validate data for 1st Quarter, 2016

Change Quarter

ELLYSON

19 filters to validate

[View Summary Page](#)

PrimaryCollocated

Time limitations exceeded (0)	Time limitations exceeded (0)
Flagged by lab only (3)	Flagged by lab only (1)
Flagged by sampler only (0)	Flagged by sampler only (0)
Multiple flagged conditions (0)	Multiple flagged conditions (0)
AIRS data exceeds normal range (10)	AIRS data exceeds normal range (4)
Data on duplicate dates (0)	Data on duplicate dates (0)
No unusual conditions (5)	No unusual conditions (0)



Validate Filter

Particulate Matter Filter Tracking

PM2.5 Home | Filter Data | Information | Reports | Validation Status | Administrative Menu | Help | User Manual |

Data validation for ELLYSON Primary Sampler (PM 2.5) No unusual conditions

Previous	Next	Show All					Validate filters	
Filter	Act Start Date	Lab Flags	Field Status	Conc.	Validate	Ignore		
T3565129	2016-01-16 00:00		00000000	6.2	☐	☐		

Parameter Data		Filter Data						
Parameter	Units	EMC Code	Raw Data	Dec.	Value	AIRS Validity	Null Data Code	
Flow Rate And Cv For The Period	%	CV25	.1	1	0001	☐	☐	
Sample Volume Total	m³	SV25	24.8	1	0248	☐	☐	
Ambient Min Temp	° C	TN25	8.1	1	0081	☐	☐	
Ambient Max Temp	° C	TX25	22.1	1	0221	☐	☐	
Ambient Avg Temp	° C	TA25	14.2	1	0142	☐	☐	
Ambient Min Press	mmHg	PN25	753	0	0753	☐	☐	
Ambient Max Press	mmHg	PX25	758	0	0758	☐	☐	
Ambient Avg Press	mmHg	PA25	755	0	0755	☐	☐	
Elapsed Sample Time	minutes	ST25	1439	0	1439	☐	☐	
PM 2.5 Concentration	µg/m³	PM25	6.2	1	0062	☐	☐	

Repeat concentration choice for all parameters



Validate Filter - No Flags

Particulate Matter Filter Tracking

PM2.5 Home | Filter Data | Information | Reports | Validation Status | Administrative Menu | Help | User Manual |

Data validation for ELLYSON Primary Sampler (PM 2.5) No unusual conditions

Previous	Next	Show All	Validate filters			
Filter	Act Start Date	Lab Flags	Field Status	Conc.	Validate	Ignore
T3565129	2016-01-16 00:00		00000000	6.2	☒	☐

Parameter Data		Filter Data					
Parameter	Units	EMC Code	Raw Data	Dec.	Value	AIRS Validity	Null Data Code
Flow Rate And Cv For The Period	%	CV25	.1	1	0001		
Sample Volume Total	m ³	SV25	24.8	1	0248		
Ambient Min Temp	° C	TN25	8.1	1	0081		
Ambient Max Temp	° C	TX25	22.1	1	0221		
Ambient Avg Temp	° C	TA25	14.2	1	0142		
Ambient Min Press	mmHg	PN25	753	0	0753		
Ambient Max Press	mmHg	PX25	758	0	0758		
Ambient Avg Press	mmHg	PA25	755	0	0755		
Elapsed Sample Time	minutes	ST25	1439	0	1439		
PM 2.5 Concentration	µg/m ³	PM25	6.2	1	0062		



Validate All Filters at Once

Particulate Matter Filter Tracking

Click Show All

PM2.5 Home | Filter Data | Information | Reports | Validation Status | Administrative Menu | Help | User Manual

Data validation for MILLHOPPER Primary Sampler (PM 2.5) No unusual conditions

Previous	Next	Show All	Validate filters				
Filter	Act Start Date	Lab Flags	Field Status	Conc.	Validate	Ignore	
T3565115	2016-01-07 00:00		00000000	7.3	☐	☐	

Parameter Data		Filter Data						
Parameter	Units	EMC Code	Raw Data	Dec.	Value	AIRS Validity	Null Data Code	
Flow Rate And Cv For The Period	%	CV25	0	0	0000	☐	☐	
Sample Volume Total	m³	SV25	24.1	1	0241	☐	☐	
Ambient Min Temp	° C	TN25	9.9	1	0099	☐	☐	
Ambient Max Temp	° C	TX25	20.6	1	0206	☐	☐	
Ambient Avg Temp	° C	TA25	13.4	1	0134	☐	☐	
Ambient Min Press	mmHg	PN25	757	0	0757	☐	☐	
Ambient Max Press	mmHg	PX25	763	0	0763	☐	☐	
Ambient Avg Press	mmHg	PA25	759	0	0759	☐	☐	
Elapsed Sample Time	minutes	ST25	1440	0	1440	☐	☐	
PM 2.5 Concentration	µg/m³	PM25	7.3	1	0073	☐	☐	

Repeat concentration choice for all parameters



View All Filters

Particulate Matter Filter Tracking

Click Check All

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Data validation for MILLHOPPER Primary Sampler (PM 2.5) No unusual conditions

Show Current					Validate filters	
Filter	Act Start Date	Lab Flags	Field Status	Conc.	Validate	Ignore
					Check All	Check All
T3565115	2016-01-07 00:00		00000000	7.3	☒	☐
T3565116	2016-01-10 00:00		00000000	4.5	☒	☐
T3565118	2016-01-13 00:00		00000000	10.7	☒	☐
T3565122	2016-01-16 00:00		00000000	3.9	☒	☐
T3565123	2016-01-19 00:00		00000000	6.3	☒	☐
T3565488	2016-01-22 00:00		00000000	3.4	☒	☐
T3565489	2016-01-25 00:00		00000000	14.9	☒	☐
T3565490	2016-01-28 00:00		00000000	7.2	☒	☐
T3565491	2016-01-31 00:00		00000000	14.1	☒	☐
T3565492	2016-02-03 00:00		00000000	4.5	☒	☐
T4614857	2016-01-01 00:00		00000000	3.4	☒	☐
T4614858	2016-01-04 00:00		00000000	5.2	☒	☐
T5560032	2016-02-06 00:00		00000000	4.2	☒	☐
T5560033	2016-02-09 00:00		00000000	4	☒	☐
					Uncheck All	Uncheck All



PMTS Validated Filters

Date	Primary			Collocated		
01-JAN-2016	T4614857	3.4	☐ Un-validate	T4614859	2.9	☐ Un-validate
02-JAN-2016						
03-JAN-2016						
04-JAN-2016	T4614858	5.2	☐ Un-validate			
05-JAN-2016						
06-JAN-2016						
07-JAN-2016	T3565115	7.3	☐ Un-validate			
08-JAN-2016						
09-JAN-2016						
10-JAN-2016	T3565116	4.5	☐ Un-validate			
11-JAN-2016						
12-JAN-2016						
13-JAN-2016	T3565118	10.7	☐ Un-validate	T3565124	10.3	☐ Un-validate
14-JAN-2016						
15-JAN-2016						
16-JAN-2016	T3565122	3.9	☐ Un-validate			
17-JAN-2016						
18-JAN-2016						
19-JAN-2016	T3565123	6.3	☐ Un-validate			
20-JAN-2016						
21-JAN-2016						
22-JAN-2016	T3565488	3.4	☐ Un-validate			
23-JAN-2016						
24-JAN-2016						
25-JAN-2016	T3565489	14.9	☐ Un-validate	T3565494	15.2	☐ Un-validate
26-JAN-2016						
27-JAN-2016						
28-JAN-2016	T3565490	7.2	☐ Un-validate			
29-JAN-2016						
30-JAN-2016						
31-JAN-2016	T3565491	14.1	☐ Un-validate			



PMTS Lab Flags

1	ALT	Alternate Measurement
2	AVG	Average Value
3	BDL	Below Detectable Limits
4	BLQ	Below Limit of Quantitation
5	CAN	Cancelled
6	CBC	Cannot Be Calculated
7	EER	Entry Error
8	FBK	Found In Blank
9	FCS	Failed Collocated Sample
10	FFB	Failed Field Blank
11	FIS	Failed Internal Standard
12	FLB	Failed Lab Blank
13	FLD	Failed Lab Duplicate
14	FLH	Failed Lab Humidity
15	FLT	Failed Lab Temperature
16	FQC	Failed Quality Control
17	FRW	Failed Replicated Weight
18	GSI	Good Shipping Integrity
19	HTE	Holding Time Exceeded
20	ISP	Improper Sample Preservation
21	INV	Invalid Sample
22	LAC	Lab Accident
23	LLS	Less Than Lower Standard
24	LTC	Less Than Criteria Of Detection
25	NAR	No Analysis Result
26	PSD	Possible Shipping Damage
27	REJ	Rejected
28	REQ	Requeue For Re-Analysis
29	RET	Returned For Re-Analysis
30	RIN	Re-Analyzed
31	SIS	Sample Integrity Suspect
32	STD	Internal Standard
33	UND	Analyzed But Undetected
34	VOD	Void Sample
35	LHW	Humidity Min/Max range of +/- 5%



Validate Filter - With Flags

Particulate Matter Filter Tracking

PM2.5 Home | Filter Data | Information | Reports | Validation Status | Administrative Menu | Help | User Manual |

Data validation for ELLYSON Primary Sampler (PM 2.5) Flagged by lab

Previous	Next	Show All	Validate filters			
Filter	Act Start Date	Lab Flags	Field Status	Conc.	Validate	Ignore
T3565130	2016-01-19 00:00	SIS	00000000	6.1	☐	☐

Parameter Data		Filter Data					
Parameter	Units	EMC Code	Raw Data	Dec.	Value	AIRS Validity	Null Data Code
Flow Rate And Cv For The Period	%	CV25	.1	1	0001	☐	☐
Sample Volume Total	m ³	SV25	26.1	1	0261	☐	☐
Ambient Min Temp	° C	TN25	-9	1	-009	☐	☐
Ambient Max Temp	° C	TX25	13.8	1	0138	☐	☐
Ambient Avg Temp	° C	TA25	5.6	1	0056	☐	☐
Ambient Min Press	mmHg	PN25	769	0	0769	☐	☐
Ambient Max Press	mmHg	PX25	773	0	0773	☐	☐
Ambient Avg Press	mmHg	PA25	770	0	0770	☐	☐
Elapsed Sample Time	minutes	ST25	1439	0	1439	☐	☐
PM 2.5 Concentration	µg/m ³	PM25	6.1	1	0061	☐	☐

Repeat concentration choice for all parameters



Acceptable Data

- SIS Lab Flag – The data is valid if all sampling status conditions appear normal and the sample concentration is consistent with other samples during that run date. Additionally, there are no outliers or extreme conditions noted.
- Reporting agency has final decision regarding sample validity.

PM2.5 Lab Analysis Report

Filters Received in Magazine: M0260

T3565129	<u>Weight (mg)/Delta (ug)</u>	<u>Date</u>	<u>Qualifier</u>	<u>Comment</u>
PRE	362.189	28-DEC-2015 12:04		
POST	362.345	06-FEB-2016 11:15		
DELTA	156	NA		
T3565130	<u>Weight (mg)/Delta (ug)</u>	<u>Date</u>	<u>Qualifier</u>	<u>Comment</u>
PRE	369.908	28-DEC-2015 12:06		
POST	370.068	06-FEB-2016 11:14	SIS	Substance on filter surface (Spots, dark ring).
DELTA	160	NA		



Technical Note

Particulate Matter Filter Tracking

[PM2.5 Home](#) | [Filter Data](#) | [Information](#) | [Reports](#) | [Validation Status](#) | [Administrative Menu](#) | [Help](#) | [User Manual](#) |

Data validation for DAYTONA Primary Sampler (PM 2.5) AIRS data exceeds normal ranges

Previous	Next	Show All	Validate filters			
Filter	Act Start Date	Lab Flags	Field Status	Conc.	Validate	Ignore
T3565098	2016-01-13 00:00		00000000	9.4	☐	☐

Parameter Data		Filter Data					
Parameter	Units	EMC Code	Raw Data	Dec.	Value	AIRS Validity	Null Data Code
Flow Rate And Cv For The Period	%	CV25	.1	1	0001		
Sample Volume Total	m ³	SV25	25.5	1	0255		
Ambient Min Temp	° C	TN25	4.5	1	0045		
Ambient Max Temp	° C	TX25	15.6	1	0156		
Ambient Avg Temp	° C	TA25	10	1	0100		
Ambient Min Press	mmHg	PN25	764	0	0764		
Ambient Max Press	mmHg	PX25	768	0	0768		
Ambient Avg Press	mmHg	PA25	765	0	0765		
Elapsed Sample Time	minutes	ST25	1439	0	1439		
PM 2.5 Concentration	µg/m ³	PM25	9.4	1	0094		

Repeat concentration choice for all parameters



Technical Note (continued)

4.0.21

4.0.21

4.0.21

2025i 02.08.60.446+

Time 16:18

Date 03-04-16

```
SAMPLE STATS
DATE      2016MAR04
FILT ID   5560756
CASS ID    0
SAMPLE TM  58696
STAT MSG  WT SHUT RET
SAMPLE    16:18
FILTER REC. 45: ID
Site1"    121275002A 20731"
Site2"
Filt:"     T3565098"
Cass:"     RP000000"

CTRST SSET FLTID STAT
```

SAVE

RUN

MENU

↑

ENTER

TERM

HELP

←

↓

→

100

00:00
01-01

10 min

Select

▶◀

◀

▶

▲

2025i 02.08.60.446+

Time 16:15

Date 03-04-16

```
SAMPLE STATS
DATE      2016MAR04
FILT ID   5560756
CASS ID    0
SAMPLE TM  58555
STAT MSG  WT SHUT RET
SAMPLE    16:15
FILTER REC. 45: FILTER
-- Datum -- Min. Avg. Max. Units
Temperature  5.3  11.7  16.9 °C
Flow        16.6  16.7  16.9 l/min
VOL: Sampled = 24.1 m³ STD = 25.5 m³
Flow Coefficient of Variance: 0.10 %
Max Temp Diff: 2016/01/13 11:51 2.7 °C

CTRST SSET FLTID STAT
```

SAVE

RUN

MENU

↑

ENTER

TERM

HELP

←

↓

→

100

00:00
01-01

10 min

fic
Sampler

ic
Sampler



Technical Note (continued)



Florida Department of Environmental Protection

DEP 03-8

REV. NO. 3: 08-2015

Required Signatures: Adobe Signature

FORM DEP 03-8-3A PM2.5 SAMPLER RUN DATA SHEET

SITE NAME: DAYTONA BEACH AQS #: 12-127-5002
SAMPLER MFR: TEI MODEL: 2025-I
WINS IMPACTOR #: 40805 S/N: 20731
FILTER ID: 73565098 QUESTIONABLE: YES ☐ NO ☒
START DATE/TIME: 1/13/16 / 00:00 LST VOID: YES ☐ NO ☒
STOP DATE/TIME: 1/14/16 / 00:00 LST BLANK FILTER: YES ☐ NO ☒
VALID ELAPSED TIME: 23:59 HOUR/MIN

INITIAL CONDITIONS

DID THE SAMPLER PASS THE: AMBIENT TEMPERATURE CHECK ($\pm 2^{\circ}\text{C}$)? YES ☒ NO ☐
AMBIENT PRESSURE CHECK (± 10 of 760 mmHg or the transfer standard)? YES ☒ NO ☐
AVERAGE FLOW RATE (16.00 to 17.34 l/min)? YES ☒ NO ☐
OPERATOR'S INITIALS: R.N. DATE: 1/13/16

FINAL CONDITIONS

DID THE SAMPLER PASS THE: AMBIENT TEMPERATURE CHECK ($\pm 2^{\circ}\text{C}$)? YES ☒ NO ☐
AMBIENT PRESSURE CHECK (± 10 of 760 mmHg or transfer standard)? YES ☒ NO ☐
AVERAGE FLOW RATE (16.00 to 17.34 l/min)? YES ☒ NO ☐
AVERAGE FLOW RATE: 16.7 l/min %CV: 0.10% VOL SAMPLED: 24.1 m³
WAS THE FILTER STORED UNDER CONTROLLED CONDITIONS? YES ☒ NO ☐

	Min	Avg	Max	On Arrival Status Code:	Mode:
Amb Temp	<u>4.5</u>	<u>10.0</u>	<u>15.6</u>	<u>OK</u>	<u>Stop</u>
Flow	<u>16.6</u>	<u>16.7</u>	<u>16.9</u>	<u>NO</u>	
Press.	<u>763</u>	<u>765</u>	<u>767</u>		
Supply Mag:	<u>M0021</u>			Storage Mag:	<u>M0020</u>
Filter Transit Temp Min:	<u>4</u>			Filter Transit Temp Max:	<u>8</u>
Max Temp Diff:	<u>2.7</u>	Time:	<u>11:51</u>	Date:	<u>1/13/16</u>
Comments:	<u>Magazine sent in cooler pouch at 4:25</u>				

PERFORMED BY: R.N.

DATE: 1/15/16

VERIFIED BY: _____

DATE: _____



Technical Note Correction

- The F1 file is built from the 2025i by selecting between Volume Flow or Standard Flow (volume flow is the correct flow that should be selected).
- Change the report volume from Standard to Actual.

```
MAIN SCREEN
DATE          2016MAR07
START         2016MAR13  00:00
STOP          2016MAR14  00:00
FLOW          0.00  l/min
VOL           0.0  m³
STOP          08:44
SYSTEM SETUP:
AUG TEMPERATURE  99.0
STD TEMPERATURE  25.0
AUG PRESSURE     999
STD PRESSURE     760
>REPORT VOLUME   ACTUAL  ↓
CTRST  SSET  FLTID  STAT
```



F1 Text File Review

- Look for outliers and changes in data flow.

Daytona010515F - Notepad

F1 Text File

Filter ID	Cass ID	Set	Start Date	Set Start Time	Act Start Date	Act Start Time	Set Stop Date	Set Stop Time	Tota
"T2537630"	"RP000000"		2014/08/27	00:00	2014/08/27	00:00	2014/08/28	00:00	16.7, 0.0, 24.0, 22.9, 26.9,
"T2537631"	"RP000000"		2014/08/28	00:00	2014/08/28	00:00	2014/08/28	00:00	000:00, 0.0, 0.0, 0.0, 0.0,
"T2537636"	"RP000000"		2014/08/30	00:00	2014/08/30	00:00	2014/08/31	00:00	019:18, 16.7, 0.0, 19.3, 22.1, 28.1,
"T2537637"	"RP000000"		2014/09/02	00:00	2014/09/02	09:57	2014/09/03	00:00	014:02, 16.7, 0.2, 14.0, 26.2, 29.6,
"T2537922"	"RP000000"		2014/09/05	00:00	2014/09/05	00:00	2014/09/06	00:00	024:00, 16.7, 0.0, 24.0, 22.2, 25.5,
"T2537923"	"RP000000"		2014/09/08	00:00	2014/09/08	00:00	2014/09/09	00:00	024:00, 16.7, 0.0, 24.0, 22.0, 26.4,
"T2537928"	"RP000000"		2014/09/11	00:00	2014/09/11	00:00	2014/09/12	00:00	024:00, 16.7, 0.0, 24.0, 23.8, 27.9,
"T2537929"	"RP000000"		2014/09/14	00:00	2014/09/14	00:00	2014/09/15	00:00	024:00, 16.7, 0.0, 24.0, 24.6, 27.8,
"T2537934"	"RP000000"		2014/09/17	00:00	2014/09/17	00:00	2014/09/18	00:00	024:00, 16.7, 0.0, 24.0, 22.2, 25.2,
"T2537935"	"RP000000"		2014/09/18	00:00	2014/09/18	00:00	2014/09/18	00:00	000:00, 0.0, 0.0, 0.0, 0.0,
"T2538212"	"RP000000"		2014/09/20	00:00	2014/09/20	00:00	2014/09/21	00:00	024:00, 16.7, 0.0, 24.0, 21.0, 23.2,
"T2538213"	"RP000000"		2014/09/23	00:00	2014/09/23	00:00	2014/09/24	00:00	024:00, 16.7, 0.0, 24.0, 21.1, 24.2,
"T2538218"	"RP000000"		2014/09/26	00:00	2014/09/26	00:00	2014/09/27	00:00	024:00, 16.7, 0.0, 24.0, 22.7, 25.4,
"T2538219"	"RP000000"		2014/09/29	00:00	2014/09/29	00:00	2014/09/30	00:00	024:00, 16.7, 0.0, 24.0, 22.4, 24.1,
"T2538224"	"RP000000"		2014/10/02	00:00	2014/10/02	00:00	2014/10/03	00:00	024:00, 16.7, 0.0, 24.0, 22.3, 26.3,
"T2538225"	"RP000000"		2014/10/05	00:00	2014/10/05	00:00	2014/10/06	00:00	024:00, 16.7, 0.1, 24.0, 13.3, 18.7,
"T2538587"	"RP000000"		2014/10/08	00:00	2014/10/08	00:00	2014/10/09	00:00	024:00, 16.7, 0.0, 24.0, 19.6, 25.1,
"T2538588"	"RP000000"		2014/10/09	00:00	2014/10/09	00:00	2014/10/09	00:00	000:00, 0.0, 0.0, 0.0, 0.0,
"T2538593"	"RP000000"		2014/10/11	00:00	2014/10/11	00:00	2014/10/12	00:00	024:00, 16.7, 0.0, 24.0, 19.7, 25.6,
"T2538594"	"RP000000"		2014/10/14	00:00	2014/10/14	00:00	2014/10/15	00:00	024:00, 16.7, 0.0, 24.0, 22.2, 26.0,
"T4605218"	"RP000000"		2014/10/17	00:00	2014/10/17	00:00	2014/10/18	00:00	023:59, 16.7, 0.4, 24.0, 14.4, 20.3,
"T4605219"	"RP000000"		2014/10/20	00:00	2014/10/20	00:00	2014/10/21	00:00	024:00, 16.7, 0.2, 24.0, 21.8, 24.9,
"T4605224"	"RP000000"		2014/10/23	00:00	2014/10/23	00:00	2014/10/24	00:00	023:59, 16.7, 0.3, 24.0, 15.5, 21.5,
"T4605225"	"RP000000"		2014/10/26	00:00	2014/10/26	00:00	2014/10/27	00:00	024:00, 16.7, 0.4, 24.0, 12.8, 19.8,
"T4605230"	"RP000000"		2014/10/29	00:00	2014/10/29	00:00	2014/10/30	00:00	023:59, 16.7, 0.4, 24.0, 16.8, 23.0,



Data Transfer to FAMAS

- Verify that all (null code and qualifier) flags in PMTS transfer properly into FAMAS.
- Ensure that data are identical in PMTS and FAMAS. Subsequently, you will verify that data are identical in FAMAS and AQS.

Daytona010515F - Notepad

F1 Text File

File Edit Format View Help

2025 1.416 F D

Filter ID,Cass ID,Set Start Date,Set Start Time,Act Start Date,Act Start Time,Set Stop Date,Set Stop Time,Tota

"T2537630",	"RP000000",	2014/08/27,00:00,	2014/08/27,00:00,	2014/08/28,00:00,	024:00,16.7,	0.0,	24.0,	22.9,	26.9,
"T2537631",	"RP000000",	2014/08/28,00:00,	2014/08/28,00:00,	2014/08/28,00:00,	000:00,0.0,	0.0,	0.0,	0.0,	0.0,
"T2537636",	"RP000000",	2014/08/30,00:00,	2014/08/30,00:00,	2014/08/31,00:00,	019:18,16.7,	0.0,	19.3,	22.1,	28.1,
"T2537637",	"RP000000",	2014/09/02,00:00,	2014/09/02,09:57,	2014/09/03,00:00,	014:02,16.7,	0.2,	14.0,	26.2,	29.6,
"T2537922",	"RP000000",	2014/09/05,00:00,	2014/09/05,00:00,	2014/09/06,00:00,	024:00,16.7,	0.0,	24.0,	22.2,	25.5,
"T2537923",	"RP000000",	2014/09/08,00:00,	2014/09/08,00:00,	2014/09/09,00:00,	024:00,16.7,	0.0,	24.0,	22.0,	26.4,

My Agency (9010)

Site: C1275002 Parameter: PM25M Interval: 001d Date: 3rd Quarter 2014 Refresh

Daytona Bch.

Highlight [None] | Void Negatives | Fill Blanks | Null Code | QA Qualifier | Exclusion | Comment | Excel | Report | Audit Trail

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Jul	3.6	NS	NS	8.0	NS	NS	4.5	NS	NS	7.5	NS	NS	6.6	NS	NS	3.9	NS	NS	7.7	NS	NS	2.9	NS	NS	5.5	NS	NS	8.8	NS	NS	9.6	Jul
Aug	NS	NS	2.2	NS	NS	6.9	NS	NS	3.6	NS	NS	4.0	NS	NS	2.5	NS	NS	6.0	NS	NS	11.3	NS	NS	11.3	NS	NS	3.5	NS	NS	AV	NS	Aug
Sep	NS	AV	NS	NS	AR	NS	NS	AR	NS	NS	AR	NS	NS	AR	NS	NS	AR	NS	NS	AR	NS	NS	AR	NS	NS	2.3	NS	NS	2.7	NS	Sep	

(Double-click reading for more info.) Legend: Invalid Valid w/flag Changed Exclusion QA Blank NS Not Scheduled



Questions?

