# Manual 2/18/2025

## **SensorDataProcessor**

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## Chart features

#### Sensor log file format

**SensorDataProcessor** is a program that reads sensor data log files, visualizes the data as charts, processes it, and calculates statistical values.

The format of the sensor data log files that this program can open is shown on the right. The data is recorded in the format of 'Date and Time, Sensor ID, Value,' with all entries arranged in chronological order. A single log file may contain data from multiple sensor IDs. Example of a sensor log file

2022-07-15 00:17:10,304R1,863 2022-07-15 00:20:10,305R1,854 2022-07-15 00:27:29,303R1,846 2022-07-15 00:47:13,304R1,864 2022-07-15 00:52:04,305R1,854 2022-07-15 00:58:30,303R1,847 2022-07-15 01:17:17,304R1,864 2022-07-15 01:23:58,305R1,855 2022-07-15 01:29:30,303R1,847 2022-07-15 01:47:20,304R1,865 2022-07-15 02:00:31,303R1,848 2022-07-15 02:17:24,304R1,866 2022-07-15 02:27:48,305R1,856 2022-07-15 02:31:31,303R1,848 2022-07-15 02:47:27,304R1,867 2022-07-15 02:59:42,305R1,857 2022-07-15 03:02:32,303R1,849 2022-07-15 03:17:31,304R1,868

## Loading sensor log file

Step 1: Click the "Open" button at the top to select a sensor log file Step 2: The selected sensor data will be visualized in the chart.

A sample log file, *sample log.txt*, is included in the folder where the SensorDataProcessor executable is located. Users can open this file.



## Loading sensor log file



#### **Exporting sensor data**

Copy Chart: The current chart is copied to the clipboard as an image. Copy Data: The sensor data is copied to the clipboard as text.

	Sample log.txt	Open     Reload     P     Tools       Refresh     303R1     Image: Control of the second seco
•••••	Copy Chart 🗈 Copy Data	1460:00:00 (4 year)
	Raw Original      S     Center Median (hr)      49     O Deviation     Pe     Pe     Pe     Center Median (hr)     Pe     Pe	n Median (hr) V 0 O Absolute Median (hr) V 0 Deviation Cut-off 100 Deviation Cut-off 100
	Drag while holding down the left mouse button to move the chart Drag while holding down the right mouse button to zoom in and out of the chart	
	[303R1]	]
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	750	
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	650	

#### **Exporting sensor data**

After selecting the 'Center' curve and clicking 'Copy data,' the line graph datasets displayed on the chart are copied to the clipboard. An example of pasting this data into Excel is shown in the right-hand figure.



	А	В	С	D	E	F
1	[1] Date	[1] Time (day)	[1] Value	[2] Date	[2] Time (day)	[2] Value
2	7/15/2022 0:27	12.01925	847	7/15/2022 0:27	12.01925	847
3	7/15/2022 0:58	12.04079	847	7/15/2022 0:58	12.04079	847.25
4	7/15/2022 1:29	12.06231	847.5	7/15/2022 1:29	12.06231	847.5
5	7/15/2022 2:00	12.08385	848	7/15/2022 2:00	12.08385	847.75
6	7/15/2022 2:31	12.10538	848	7/15/2022 2:31	12.10538	848
7	7/15/2022 3:02	12.12692	849	7/15/2022 3:02	12.12692	848
8	7/15/2022 3:33	12.14846	849	7/15/2022 3:33	12.14846	848
9	7/15/2022 4:04	12.17	850	7/15/2022 4:04	12.17	848
10	7/15/2022 4:35	12.19154	850	7/15/2022 4:35	12.19154	848
11	7/15/2022 5:06	12.21308	851	7/15/2022 5:06	12.21308	848
12	7/15/2022 5:37	12.23462	852	7/15/2022 5:37	12.23462	848
13	7/15/2022 6:08	12.25616	852	7/15/2022 6:08	12.25616	848
14	7/15/2022 6:39	12.27771	852	7/15/2022 6:39	12.27771	848
15	7/15/2022 7:10	12.29925	852	7/15/2022 7:10	12.29925	848.25
16	7/15/2022 7:41	12.32079	852	7/15/2022 7:41	12.32079	848.5
17	7/15/2022 8:12	12.34231	852	7/15/2022 8:12	12.34231	848.75
18	7/15/2022 8:43	12.36384	852	7/15/2022 8:43	12.36384	849
19	7/15/2022 9:14	12.38536	852	7/15/2022 9:14	12.38536	849
20	7/15/2022 9:45	12.40687	851	7/15/2022 9:45	12.40687	849
21	7/15/2022 10:16	12.42839	851	7/15/2022 10:16	12.42839	849
22	7/15/2022 10:47	12.4499	849	7/15/2022 10:47	12.4499	849
23	7/15/2022 11:18	12.47139	848	7/15/2022 11:18	12.47139	849
24	7/15/2022 11:49	12.49289	847	7/15/2022 11:49	12.49289	849
25	7/15/2022 12:20	12.51439	847	7/15/2022 12:20	12.51439	849.5
26	7/15/2022 12:51	12.53589	847	7/15/2022 12:51	12.53589	850
27	7/15/2022 13:22	12.5574	846	7/15/2022 13:22	12.5574	849.5
28	7/15/2022 13:53	12.57889	846	7/15/2022 13:53	12.57889	849
29	7/15/2022 14:24	12.60039	846	7/15/2022 14:24	12.60039	849
30	7/15/2022 14:55	12.6219	845	7/15/2022 14:55	12.6219	849
31	7/15/2022 15:26	12.6434	845	7/15/2022 15:26	12.6434	849
32	7/15/2022 15:57	12.66491	845	7/15/2022 15:57	12.66491	849

## **Showing sensor chart**

- Reload : Move the latest graph: Move the graph by left-clicking and dragging.
- Zoom in and out : Use the mouse wheel (scroll) to zoom in and out of the graph
- Scale graph: Right-click and drag to zoom in and out of the graph horizontally/vertically
- Zoom in on a specific time period: Click and hold the mouse wheel button and drag to select a specific time period to zoom in for a closer look Reload



#### **Showing sensor chart**

Select Sensor: Select the desired sensor number from the drop-down menu Set time period: Set the desired data retrieval period SensorDataProcessor (2025-02-18) Х 3 3 Open Re Tools Sample log.txt \$ Refresh 303R1  $\mathbf{T}$ 1460:00:00 (4 year) Coby Cha Raw O Deviation Original  $\sim$ 5 Median (hr) ~ 49 Absolute 0 Median (hr) Median (hr) Deviation Cut-off Peaks Cut-off 100 100 Drag while holding down the left mouse button to move the chart Drag while holding down the right mouse button to zoom in and out of the chart [303R1] 1,000 95**0**-900-850 800 750 700 650 August September October November December January February March April Mav June July August September October 2022 2022 2022 2022 2022 2023 2023 2023 2023 2023 2023 2023 2023 2023 2023

#### **Showing center curve**

Center: The graph additionally displays a center curve to indicate the trend of the median (hr or pt) of the sensor data.

o HR: Calculated as the median of the data for 49 hours before and after the current data (24 h before to 24 h after) o PT: Calculated as the median value of the 49 data before and after the current data (24 before to 24 after)



#### **Showing deviation chart**

Deviation : Median filtered sensor data minus data from center curve

SensorDataProcessor (2025-02-18)  $\times$ \_ - - - - - - -3 a £ Reload Open Tools \*Sample log.txt 2 Refresh 303R1  $\mathbf{T}$ 1460:00:00 (4 year)  $\sim$ ~\* Copy Chart Copy Data O Raw O Center ~ 49 Deviation Original Median (hr) Median (hr) Absolute  $\sim$ 5  $\sim$ 0 ~ 0 Median (hr) Deviation Peaks Cut-off Cut-off 100 100 Drag while holding down the left mouse button to move the chart Drag while holding down the right mouse button to zoom in and out of the chart [303R1] 40 30 -20 10 0.00-10--20--30--40 3/3/2023 3/3/2023 3/4/2023 3/4/2023 3/5/2023 3/5/2023 3/6/2023 3/6/2023 3/7/2023 3/7/2023 3/8/2023 3/8/2023 3/9/2023 3/9/2023 3/2/2023 12:00 PM 12:00 PM 12:00 PM 12:00 AM 12:00 PM 12:00 AM 12:00 PM 12:00 AM 12:00 PM 12:00 AM 12:00 AM 12:00 PM 12:00 AM 12:00 PM 12:00 AM

#### Showing absolute deviation chart

#### Absolute deviation: the absolute value of the deviation data

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# Tools

#### Selecting the 'Tools' menu

#### Click the 'Tools' button



#### **Exporting processed data**

Step 1: Click the "Set" button to specify a folder to save the processed data

Step 2: Check the desired items in the provided list to select the data to be extracted

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Export data Compute statistics		
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Raw-MedianFiltered	Deviation-TroughValue	
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Deviation		
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 AbsDeviation	✓ First, erase all files in the destination folder	
 AbsDeviation-MedianFiltered	<b>-</b>	
		Export now
Warning or errors	Output file format txt ~	
ID Feature	Message	

From the data in a single log file, the program calculates results such as raw data, median filtered data, center curve, deviation, absolute deviation curve, and peak time, trough time, etc., and saves them in files. This function generates various files for each sensor ID.

#### **Exporting processed data**

--- Step 3: Select the file format you want to save (.txt, .csv)

Step 4: Once everything is set, click the "Export now" button to start extracting the data

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...Clear : Clear all data currently displayed in the list.

 Delete : Click to select the file to delete and press the "Delete" button to remove it from the list.

Select folder : Select a new folder to import statistics data



- Step 1: Make sure the data you extracted from "Export data" is loaded into the list correctly.
  - Step 2: You can set the analysis cycle, select Daily (calculate statistics on a daily basis) or Monthly (calculate statistics on a monthly basis)

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Export data Compute statistics						
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File name	Size (byte)	Folder	^	File name	Variable	Fe
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303R1_AbsDeviation.txt	474,115	C:₩Users₩abcwy₩Deskt	2	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_CenterCurve.txt	504,313	C:₩Users₩abcwy₩Deskt	3	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Deviation-MedianFilter	483,304	C:₩Users₩abcwy₩Deskt	4	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Deviation-PeakTimeHr	11,133	C:₩Users₩abcwy₩Deskt	5	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Deviation-PeakToPeak	9,357	C:₩Users₩abcwy₩Deskt	6	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Deviation-PeakValue.txt	10,064	C:₩Users₩abcwy₩Deskt	7	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Deviation-TroughTime	11,164	C:₩Users₩abcwy₩Deskt	8	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Deviation-TroughValue	10,213	C:₩Users₩abcwy₩Deskt	9	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Deviation.txt	483,304	C:₩Users₩abcwy₩Deskt	10	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Raw-MedianFiltered.txt	496,965	C:₩Users₩abcwy₩Deskt	11	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
303R1_Raw.txt	491,893	C:₩Users₩abcwy₩Deskt	12	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
304R1_AbsDeviation-MedianFi	518,169	C:\Users\abcwy\Deskt	13	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-Med
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304R1_Deviation-PeakValue.txt	10,572	C:₩Users₩abcwy₩Deskt	× <			>

If the user selects the 'Daily' option, they can choose the 'Time window averaging' option. 'Time window averaging' calculates the average value from the entire dataset over the number of days specified by the user. For example, if '7 days' is selected, the average is calculated using sensing data from a total of seven days: the three days before, the current day, and the three days after the selected date. Additionally, if 'Analyze everyday' is checked, this calculation is performed daily. If it is not checked, the calculation is performed by skipping the specified period before moving on to the next date. If the user wants to divide the entire dataset into 7-day intervals and calculate the average values for each 7-day period, they should select '7 days' and leave 'Analyze everyday' unchecked.

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Export data Compute statistics											
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Daily     O     Monthly	🗹 Time window	averaging	7 days	~	🗌 Anal	vse everyday					
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204D1 Ab-Deviation but	E10 100										

Step 3: Click the 'Compute' button to process the data

This program calculates the mean, standard deviation, min, max, percentiles Q1, Q2, Q3, skewness, kurtosis, coefficient of variation (CV), and root mean square (RMS).

۶	Tools							- 🗆	×
Exp	oort data Compute statistics								
	Clear Clear Delete	×e	Select folder	C	ompute	Save as	E)	Copy this table	9
	File name	Size (byte)	Folder	^		File name	Variable		Feria
	303R1_AbsDeviation-MedianFi	474,115	C:₩Users₩abcwy₩Deskt		1	File name	Variable	Feature	- 1
	303R1_AbsDeviation.txt	474,115	C:₩Users₩abcwy₩Deskt		2	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation-	Medi
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...Step 4: You can see the result of calculating the statistic values

Step 5: Click 'Save' as button to save the data in CSV or TXT format

or 'Copy' this table button to copy the data in the current table to the clipboard

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10,273 C:	₩Users₩abcwy₩Deskt	t	10	303R1_AbsDeviation-MedianFiltered.txt	303 R1	AbsDeviation
	Kein         Sein           Size (byte)         For           474,115         C:           474,115         C:           504,313         C:           483,304         C:           11,133         C:           9,357         C:           10,064         C:           11,164         C:           483,304         C:           496,965         C:           491,893         C:           518,169         C:           548,316         C:           528,450         C:           11,624         C:           10,273         C:           11,624         C:           10,273         C:	Xize (byte)       Folder         474,115       C:₩Users₩abcwy₩Deski         474,115       C:₩Users₩abcwy₩Deski         504,313       C:₩Users₩abcwy₩Deski         483,304       C:₩Users₩abcwy₩Deski         11,133       C:₩Users₩abcwy₩Deski         9,357       C:₩Users₩abcwy₩Deski         10,064       C:₩Users₩abcwy₩Deski         10,213       C:₩Users₩abcwy₩Deski         11,164       C:₩Users₩abcwy₩Deski         10,213       C:₩Users₩abcwy₩Deski         10,213       C:₩Users₩abcwy₩Deski         10,213       C:₩Users₩abcwy₩Deski         10,213       C:₩Users₩abcwy₩Deski         483,304       C:₩Users₩abcwyWDeski         496,965       C:₩Users₩abcwyWDeski         518,169       C:₩Users₩abcwyWDeski         518,169       C:₩Users₩abcwyWDeski         528,450       C:₩Users₩abcwyWDeski         11,624       C:₩Users₩abcwyWDeski         10,273       C:₩Users₩abcwyWDeski         10,273       C:₩Users₩abcwyWDeski         10,572       C:₩Users₩abcwyWDeski	Keig         Select folder         Com           Size (byte)         Folder            474,115         C:\#Users\#abcwy\#Deskt            474,115         C:\#Users\#abcwy\#Deskt            504,313         C:\#Users\#abcwy\#Deskt            483,304         C:\#Users\#abcwy\#Deskt            9,357         C:\#Users\#abcwy\#Deskt            10,064         C:\#Users\#abcwy\#Deskt            10,213         C:\#Users\#abcwy\#Deskt            496,905         C:\#Users\#abcwy\#Deskt            518,169         C:\#Users\#abcwy\#Deskt            518,169         C:\#Users\#abcwy\#Deskt            528,450         C:\#Users\#abcwy\#Deskt            11,624         C:\#Users\#abcwy\#Deskt            10,273         C:\#Users\#abcwy\#Deskt	Keg         Select folder         Compute           Size (byte)         Folder         1           474,115         C:\#Users\#abcwy\#Deskt         1           474,115         C:\#Users\#abcwy\#Deskt         2           504,313         C:\#Users\#abcwy\#Deskt         3           483,304         C:\#Users\#abcwy\#Deskt         4           11,133         C:\#Users\#abcwy\#Deskt         6           9,357         C:\#Users\#abcwy\#Deskt         6           10,064         C:\#Users\#abcwy\#Deskt         9           10,213         C:\#Users\#abcwy\#Deskt         9           11         10         11           496,905         C:\#Users\#abcwy\#Deskt         11           1491,893         C:\#Users\#abcwy\#Deskt         11           18,169         C:\#Users\#abcwy\#Deskt         13           528,450         C:\#Users\#abcwy\#Deskt         15           11,624         C:\#Users\#abcwy\#Deskt         16           11,624         C:\#Users\#abcwy\#Deskt         17           10,273         C:\#Users\#abcwy\#Deskt         17           10,572         C:\#Users\#abcwy\#Deskt         17	Select folder       Compute       Save as         Size (byte)       Folder       1       File name         474,115       C:\Users\Users\Users\Users\Upeskt       2       303RL_AtsDeviation-MedianFiltered.txt         474,115       C:\Users\Users\Upeskt       3       303RL_AtsDeviation-MedianFiltered.txt         483,304       C:\Users\Upers\Upeskt       4       303RL_AtsDeviation-MedianFiltered.txt         9,357       C:\Users\Upers\Upeskt       6       303RL_AtsDeviation-MedianFiltered.txt         10,064       C:\Users\Upers\Upers\Upeskt       6       303RL_AtsDeviation-MedianFiltered.txt         11,114       C:\Upers\Upe	Select folder       Compute       Save as         Size (byte)       Folder       Image: Select folder       Variable         474,115       C:WUsersWabcwyWDeskt       1       File name       Variable         474,115       C:WUsersWabcwyWDeskt       2       903RL_AtsDeviation-MedianFiltered.txt       903RL         483,304       C:WUsersWabcwyWDeskt       3       903RL_AtsDeviation-MedianFiltered.txt       903RL         11,113       C:WUsersWabcwyWDeskt       4       903RL_AtsDeviation-MedianFiltered.txt       903RL         9,357       C:WUsersWabcwyWDeskt       6       903RL_AtsDeviation-MedianFiltered.txt       903RL         10,064       C:WUsersWabcwyWDeskt       7       903RL_AtsDeviation-MedianFiltered.txt       903RL         11,1164       C:WUsersWabcwyWDeskt       9       903RL_AtsDeviation-MedianFiltered.txt       903RL         10,213       C:WUsersWabcwyWDeskt       10       903RL_AtsDeviation-MedianFiltered.txt       903RL         118,169       C:WUsersWabcwyWDeskt       11       903RL_AtsDeviation-MedianFiltered.txt       903RL         12       903RL_AtsDeviation-MedianFiltered.txt       903RL       11       903RL       11         138,169       C:WUsersWabcwyWDeskt       11       903RL_AtsDeviation-Median

Computing stats completed

#### An example of calculations performed in weekly intervals is shown below.

Clear         K€         Delete           y         O Monthly         ☑ Time           ame         Siz           1_AbsDeviation-MedianFi         Siz           1_AbsDeviation tot         4           1_Deviation-MedianFilter         4           1_Deviation-MedianFilter         4           1_Deviation-MedianFilter         4           1_Deviation-MedianFilter         1           1_Deviation-ToughTime         1           1_Deviation-MedianFilter         4           1_Baw-MedianFilter         4           1_Raw-MedianFilter         5           1_Deviation-MedianFilter         5	№         Select folder         ▶           me window averaging         7 days           Size (byle)         Folder         7 days           17 days         FWTenn/Wheat         483.304           11.38         FWTenn/Wheat         10.044           10.044         FWTenn/Wheat         493.304           10.045         FWTenn/Wheat         10.349           10.318         FWTenn/Wheat         10.319           10.810         FWTenn/Wheat         10.169           10.1810         FWTenn/Wheat         10.169           10.1810         FWTenn/Wheat         10.169           10.1810         FWTenn/Wheat         10.169           254.801         FWTenn/Wheat         10.231	Compute	Fie name Telena	Variable     Variable     SosR     SosR	Festure     Festure     Festure     Festure     AbDivision Median/Read     AbDivision Median/Read	Year         Month           Year         Month           2022         7           2022         7           2022         7           2022         8           2022         8           2022         8           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9	Day         n           Day         n           15         42           22         88           21         84           12         41           12         42           24         38           25         41           12         43           2         43           23         42           23         43	Mean Mean 4.7943 9.8953 2.2389 3.4476 2.507 2.5003 3.42057 2.3903 3.42057 2.3903 3.42057 2.3903 3.9414 3.8238	Stdey Stdey 3.75276 3.03952 1.64952 1.76065 3.53962 2.17095 2.63275 2.63275 2.2643	Min Nin 0,086 0,073 0,073 0,077 0 0,077 0 0,077 0 0,077 0 0,077	Max Max 12.438 5.357 5.357 5.357 5.357 5.357 5.359 11.5 5.359 11.5 5.359 12.5 4.255 4.255 4.255 4.255 7.75	Percent,Q1         Percent/Q1         Percent/Q1           1.75875         3J         1.65843         3J           1.65843         3J         20         207857         1.1           1.00858         2.2         3J         32456         3J           1.35245         3.2         2.05856         3J         3J           1.425857         2.2         3J         3.4         3J	Percent.02 F procert.02 Pen 525 8.24 18071 521 57143 4.11 57143 4.31 57243 4.31 57824 7.22 44663 4.39 57857 3.81 57857 5.51 5785 5.5	Percent.03 1 Second 2 1423 04 1423 0	Skewness         k           avmess         k           8623         -1           9652         -4           8622         -4           11771         -4           1557         -0           9306         1           15528         -4           06971         -4           15528         -4	Kurtosis Kurtosis 4.0.9898 0.5127 0.39229 0.67364 0.212769 0.3542 0.3542 1.36337 0.43442 0.43442 0.43442	Sum Sum 205488 166107 393.286 393.286 393.285 202.026 109.75 109.75 109.75 109.75 109.75 202.05 20.05	CV 0.72889 0.74138 0.85949 0.56989 0.56989 0.759017 0.76974 0.76974 0.74585	RMS RM5 6.0812 4.3906 2.7965 2.408 3.0684 5.8387 4.2801 3.6384 5.8387 4.2801
ear Mg Delete  Mg Delete  Time  e Siz baDeviston-MedianFiL. 4 baDeviston-MedianFiL. 4 baDeviston-MedianFiler. 4 baDeviston-Paek/Toek. 2 eviston-Paek/Toek. 2 eviston-Paek/Toek. 3 babDeviston.tk 4 av.MedianFilter. 4 av.MedianFilter. 5 babDeviston.td 5 babbDeviston.td 5 babDeviston.td 5 babDevisto	No         Selectfolder           me window averaging         7 days           Size (byle)         Folder           474.115         F.WTempWtest           504.313         F-WTempWtest           474.115         F.WTempWtest           9.387         F-WTempWtest           11.133         F-WTempWtest           10.064         F-WTempWtest           10.064         F-WTempWtest           10.024         F-WTempWtest           10.133         F-WTempWtest           10.213         F-WTempWtest           10.89.055         F-WTempWtest           151.169         F-WTempWtest           151.169         F-WTempWtest           251.216         F-WTempWtest           251.216         F-WTempWtest           251.216         F-WTempWtest           251.216         F-WTempWtest           251.216         F-WTempWtest           254.206         F-WTempWtest	Compute  Compute Compute Compute  Compute Comput	Fie name Fie name The AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat AtaDevistor-Median/Resotat	as Variable Variable 303R 303R 303R 303R 303R 303R 303R 303	e Feature Facture AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read AsDouiston-Median/Read	Year         Month           2022         7           2022         7           2022         7           2022         8           2022         8           2022         8           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9	Day         n           Day         n           15         42           22         58           29         58           15         42           12         54           12         44           19         45           2         43           2         42           16         43           23         44	Mean Mean 4.79843 9.89553 2.23889 3.44746 2.5071 2.39803 3.42057 2.39803 3.942057 2.39803 3.942057 2.39803 3.942057 2.39803 3.942057 2.39803 3.942057 2.39803	Stdev           S:dou           3.75276           3.05952           1.64852           1.76065           3.55862           2.17095           2.63279           2.63279           2.63279           2.63279           2.63279	Min Min 0.086 0.071 0.072 0.072 0.077 0.077 0.077 0.077	Max Max 12.488 5.357 4.607 5.359 7.786 4.607 5.389 7.784 8.571 9.25 4.286 4.286 7.75	Percent.01         Percent.01           Percent.01         Percent.01           1.73875         3.0           1.65843         3.0           2.07857         1.0           1.06863         2.0           0.14286         3.0           2.20586         3.0           0.14286         1.0           2.06829         2.0           1.42857         2.2	Percent.02 P Percent.02 Pen 525 8.25 835 8071 2.71 5748 4.11 98214 7.20 44454 4.91 98214 5.21 98214 5.15 98214 5.15 98215 5.15	Percent.Q3 5k montQ3 5k 1429 0.4 1429 0.4 1429 0.4 1429 0.4 1429 0.4 1429 0.4 1574 0.4 1574 1.0 5649 0.1	Skewness         k           avmass         k           8622         -1           6652         -1           8622         -4           8722         -4           11771         -4           1557         0           9308         1           15528         -4           0871         -4	Kurtosis Kurtosis 4.0.9888 0.5127 0.39828 0.39828 0.67364 0.05842 0.5842 1.36837 0.43442 0.43442	Sum Sum 205438 166107 93.286 79179 109.75 202.086 195.557 107179 173.006 20.557	CV CV 0.7289 0.72133 0.85943 0.95940 0.7907 0.7907 1.2057 0.74535	RMS           RMS           6.0812           4.3906           2.7367           2.403           3.0684           5.8367           4.2831           9.6337           4.3146
Monthly     ✓ Time     Siz     baDeviation-MedianFi     4     bsDeviation-MedianFi     4     bsDeviation-MedianFi     4     bsDeviation-Peak/Time.     ieviation-Peak/Value bt     teviation-TroughTime.     ieviation-TroughTime.     ieviation-Peak/Value bt     ieviation-Peak/Value bt     ieviation-Peak/Value bt     ieviation-Teak/Value bt     ieviation-Teak/Value bt	me window averaging         7 days           Size (byle)         Folder           474,115         FWTempWhest           504,313         FWTempWhest           833,04         FWTempWhest           11,133         FWTempWhest           9,387         FWTempWhest           10,064         FWTempWhest           10,064         FWTempWhest           10,064         FWTempWhest           483,304         FWTempWhest           10,064         FWTempWhest           10,014         FWTempWhest           498,985         FWTempWhest           518,169         FWTempWhest           518,169         FWTempWhest           524,805         FWTempWhest           524,805         FWTempWhest	Analyse even     A	nyday File name Ratbevistion-Median Pikesdata Abbivistion-Median Pikesdata	Variable 505R 505R 505R 505R 505R 505R 505R 505	e Festure Farue AsDouiston-MedianRised AsDouiston-MedianRised AsDouiston-MedianRised AsDouiston-MedianRised AsDouiston-MedianRised AsDouiston-MedianRised AsDouiston-MedianRised AsDouiston-MedianRised AsDouiston-MedianRised	Year         Month           2022         7           2022         7           2022         7           2022         8           2022         8           2022         8           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9	Day         n           Day         n           15         42           22         58           23         54           12         44           19         45           26         45           27         42           16         42           23         42           24         43           25         41	Mean Mean 4.79843 3.89558 2.23039 1.94746 2.5071 4.58716 3.52057 2.39804 4.58716 3.52057 2.39804 2.19816 3.82318	Stdev           Stdeu           3.75276           3.05952           1.64852           1.96065           3.53862           2.7395           2.65029           2.65029           2.65029           2.65029           2.26431	Min 0.036 0.071 0.071 0.071 0.071 0.0 0.00 0.00 0	M8x Max 12.438 9.785 5.387 4.607 5.387 5.387 4.607 5.385 1.15 7.734 8.551 9.25 4.285 7.75	Percent,01	Percent.02 P 625 824 857 825 8574 2.75 8574 4.11 8624 7.20 44643 4.91 8624 5.25 86757 9.84 971429 5.15 82248 9.21	Percent.03 5 montQ3 5 5 0.3 1429 0.4 1429 0.5 1429 0.5 1450 0.5 14	Skewness         k           swmess         k           8652         4           8652         4           8622         4           1372         4           1773         4           16977         0           93008         1           15228         4           09911         4	Kurtosis 4.0.9888 -0.5127 -0.39826 -0.52964 -0.12769 -0.55995 -0.55995 -0.85442 -0.439442 -0.439442	Sum 205438 166107 93.286 79.179 109.75 202.086 156.357 107.179 173.086 20.55	CV CV 0.72899 0.74138 0.85843 0.66989 0.99011 0.79017 0.76574 1.20517 0.76574	RMS 6.0812 4.3806 2.7367 2.408 3.0684 5.8367 4.2891 3.6387 4.3146
Monthy Time a Sig AbsDeviation-MedianFi 4 AbsDeviation-MedianFi 4 AbsDeviation-MedianFile 4 AbsDeviation-MedianFiler 4 Deviation-PeakTorPeak Deviation-PeakTorPeak Deviation-PeakTorPeak Deviation-TroughTime Deviation-TroughTime Deviation-NedianFilered.tt 4 Raw.MedianFiltered.tt 4 Raw.MedianFiltere 5 Deviation-PeakTorPeak Deviation-PeakTorPeak	me window averaging         7 days           Size (byte)         Folder           474,115         F-WTempWtest           474,115         F-WTempWtest           504,313         F-WTempWtest           483,304         F-WTempWtest           483,304         F-WTempWtest           0,857         F-WTempWtest           0,1004         F-WTempWtest           11,104         F-WTempWtest           483,304         F-WTempWtest           493,304         F-WTempWtest           493,304         F-WTempWtest           498,305         F-WTempWtest           518,106         F-WTempWtest           518,106         F-WTempWtest           524,805         F-WTempWtest           524,805         F-WTempWtest	✓         Analyse even           1         File nam           2         303R J           3         303R J           4         303R J           5         303R J           6         303R J           7         303R J           8         303R J           10         303R J           11         503R J           12         303R J           13         503R J           15         503R J           15         503R J	Prie name Tel AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate AtaDivision-MedianFiteedate	Variable Variable 303R 303R 303R 303R 303R 303R 303R 303	e Feature Fature AstDeviation-MedianRiteed AstDeviation-MedianRiteed AstDeviation-MedianRiteed AstDeviation-MedianRiteed AstDeviation-MedianRiteed AstDeviation-MedianRiteed AstDeviation-MedianRiteed AstDeviation-MedianRiteed	Year         Month           Yara         Month           2022         7           2022         7           2022         8           2022         8           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9	Day         n           Day         n           200         32           21         38           25         41           12         44           19         45           26         45           21         43           9         42           16         43           23         44	Mean Maan 4.79843 3.89558 2.29389 1.94746 2.5071 4.58716 3.62057 2.39803 3.93414 2.19316 3.82318	Stdev Stdev 3.79276 3.03952 1.64852 1.36088 1.76065 3.59862 2.17055 2.73459 1.26705 2.26431	Min Min 0 0.038 0 0.071 0 0 0.071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Max Max 12.438 9.786 5.387 4.637 5.389 11.5 7.714 8.571 9.25 4.285 7.75	Percent,01         Percent	Percent.02 F incart.02 Pan 625 8.25 8571 2.75 57143 4.11 58224 7.22 44643 4.91 58224 5.15 5715 3.88 71429 5.15 52243 5.15	Percent.Q3 Sec scent.Q3 0.4 5 0.4 1429 0.4 1429 0.5 1429 0.5 1407 0.4 0556 0.5 1407 0.4 0556 0.5 1007 0.4 0551 0.5 9643 0.1 25 0.0 125 0.0 12	Skewness         k           awness         k           8823         -1           18632         -1           3822         -2           1282         -2           1771         -0           57635         -1           1528         -0           09908         1           1528         -0           09711         -0	Kurtosis Kurtosis -0.9598 -0.5127 -0.3595 -0.67964 -0.12769 -0.5295 -0.35442 -0.35442 -0.8544	Sum 205.438 166.107 93.286 79.179 109.75 202.086 156.357 107.179 107.179	CV CV 0.72899 0.74138 0.85843 0.65889 0.59801 0.79017 0.76574 1.20517 0.74528	RMS 6.0812 4.3806 2.7567 2.403 3.0684 5.8367 4.2891 3.6387 4.3146
ne Siz AbaDeviaton-MedianFi / AbaDeviaton-MedianFile / AbaDeviaton-MedianFiler / Deviaton-PeakTimeHr Deviaton-PeakTimeHr Deviaton-PeakValue.td Deviaton-TroughTime Deviaton-TroughTime Deviaton-TroughTime Deviaton-TroughTime Deviaton-MedianFiler SchaDeviaton-MedianFiler SchaDeviaton-MedianFiler Deviaton-PeakValue.td Deviaton-PeakValue.td Deviaton-PeakValue.td Deviaton-PeakValue.td Deviaton-PeakValue.td Deviaton-PeakValue.td	Size (byte)         Folder           474.115         F-WTempWtest           474.115         F-WTempWtest           504.313         F-WTempWtest           483.304         F-WTempWtest           11.313         F-WTempWtest           10.044         F-WTempWtest           10.044         F-WTempWtest           10.044         F-WTempWtest           483.304         F-WTempWtest           493.833         F-WTempWtest           491.893         F-WTempWtest           518.169         F-WTempWtest           543.16         F-WTempWtest           543.16         F-WTempWtest           543.16         F-WTempWtest           524.80         F-WTempWtest	Image: Control of the second	File name Te AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda AbDeviation-Median/Readda	Variable Variable 309 R 309 R	e Festure Facture AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read AsDovistion-Median/Read	Year         Month           Year         Month           2022         7           2022         7           2022         8           2022         8           2022         8           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9	Day         n           Day         n           15         42           22         58           29         58           12         44           12         45           26         45           2         45           26         45           26         45           28         42           16         43           29         45	Mean           Maan           4.75843           3.89538           2.23889           1.94766           2.5071           4.58716           2.5057           2.39809           3.99414           2.19916           3.82338	Stdev Stdev 3.75276 3.05852 1.64852 1.38058 1.76065 3.55852 2.17055 2.73459 2.65279 1.26705 2.26431	Min 0 0.025 0 0.071 0 0.071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Max Max 12.438 9.786 5.557 4.607 5.388 11.5 7.714 8.571 9.25 4.286 4.286 7.75	Percent_01         Percent_01           Percent_01         Percent_01           1.75875         3.0           1.65643         3.0           1.65643         2.0           0.76571         1.3           1.06868         2.0           2.02656         3.0           0.46265         3.1           2.08562         3.1           2.08557         2.0	Percent.Q2         F           incart.Q2         Pan           625         8.25           827         3.5           9574         2.71           57148         4.31           98224         7.22           44643         4.91           71429         5.15           32248         3.21	Percent.Q3         Size           scent.Q3         Size           IS         0.1           1429         0.4           IA29         0.4           1607         0.4           10076         0.4           IS514         1.0           9643         0.1           25         0.1	Skewness         K           avmess         K           second         K           avmess         K </th <th>Kurtosis 4.0.9588 -0.5127 -0.39528 -0.67964 -0.12769 -0.59564 -0.35442 -0.8544</th> <th>Sum 205438 165107 33.286 79.179 109.75 202.085 195.557 107.179 179.055 202.079</th> <th>CV 0.7289 0.8583 0.8583 0.6599 0.99401 0.79017 0.79674 1.20517 0.74528</th> <th>RMS           RMS           6.0812           4.9806           2.7967           2.408           3.0684           5.8367           4.2881           3.6397           4.3146</th>	Kurtosis 4.0.9588 -0.5127 -0.39528 -0.67964 -0.12769 -0.59564 -0.35442 -0.8544	Sum 205438 165107 33.286 79.179 109.75 202.085 195.557 107.179 179.055 202.079	CV 0.7289 0.8583 0.8583 0.6599 0.99401 0.79017 0.79674 1.20517 0.74528	RMS           RMS           6.0812           4.9806           2.7967           2.408           3.0684           5.8367           4.2881           3.6397           4.3146
AbaDeviation-MedianFiL. 4 AbaDeviation Mt 4 CenterCurve Mt 4 Deviation MedianFilter. 4 Deviation-PeakInterMt. Deviation-PeakInterMt. Deviation-PeakInterMt 4 Raw-MedianFiltered bt 4 Raw-MedianFiltered bt 4 Raw-MedianFiltered bt 4 Raw-MedianFiltered bt 4 AbaDeviation Mt 4 AbaDeviation Mt 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-MedianFilter. 5 Deviation-PeakInterMtr. Deviation-PeakInterMtr.	474,115         F-WTencyMest           474,115         F-WTencyMest           474,115         F-WTencyMest           483,304         F-WTencyMest           11,133         F-WTencyMest           10,044         F-WTencyMest           11,135         F-WTencyMest           11,164         F-WTencyMest           11,233         F-WTencyMest           10,044         F-WTencyMest           483,304         F-WTencyMest           91,833         F-WTencyMest           518,169         F-WTencyMest           518,169         F-WTencyMest           543,316         F-WTencyMest           544,316         F-WTencyMest	1         File arm           2         3098 J           3         3098 J           4         3098 J           5         3098 J           6         3098 J           7         3098 J           8         3098 J           9         3098 J           10         3098 J           11         2098 J           12         3098 J           13         3098 J           15         3098 J           15         3098 J	n AbdBeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata AbdDeviation-MadianFikeedata	Variable 303 R 303 R	Fatture AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead AsDovistion-MedianRead	Year         Month           2022         7           2022         7           2022         8           2022         8           2022         8           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9	Day         n           15         42           22         58           29         88           5         41           12         44           19         45           26         45           2         43           9         42           16         43           23         44	Mean 4.79843 3.89558 2.23339 1.34746 2.5071 4.55776 2.39805 3.59414 2.19816 3.82338	Stdev 3.79276 3.03952 1.64852 1.38038 1.76065 3.59852 2.17095 2.73459 2.65279 1.26705 2.26431	Min 0 0.036 0 0.071 0.071 0 0 0.071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Max 12.438 9.786 5.357 4.607 5.389 11.5 7.714 8.571 9.25 4.286 7.75	Percent21 Per 1.71975 3.1 1.6563 3.2 1.0565 2. 1.82143 3.2 0.14286 3.1 2.0552 3.1 1.4255 2.0	IntertQ2 Permit SQ25 8.25 18071 5.21 18071 5.21 1.5743 4.11 198214 7.22 44543 4.91 57957 9.81 71429 5.15 32143 9.12	montQB         Six         Six<	aumass k 18523 -1 18592 -0 18592 -0 18592 -0 18592 -0 18592 -0 18597 -0 19908 -1 15228 -0 08771 -0 15228 -0	Kurtosis -1.03998 -0.5127 -0.33928 -0.67964 -0.12769 -0.55955 -0.55955 -0.35442 -0.43442 -0.43442 -0.8564	Sum 205438 166107 93.286 79.179 109.75 202.086 155.357 107.179 179.086	CV 0.72899 0.74133 0.85943 0.85949 0.99401 0.79017 0.79074 1.20517 0.74528	RMS 6.0812 4.3806 2.7967 2.408 3.0684 5.8967 4.2881 3.6397 4.3146
AbsDeviation txt	474.115 F.WTempMtest 504.313 F.WTempMtest 483.04 F.WTempMtest 11.133 F.WTempMtest 9.357 F.WTempMtest 10.064 F.WTempMtest 10.064 F.WTempMtest 483.044 F.WTempMtest 483.034 F.WTempMtest 491.839 F.WTempMtest 518.169 F.WTempMtest 518.169 F.WTempMtest 518.169 F.WTempMtest 548.316 F.WTempMtest 548.316 F.WTempMtest	2 0987, 1 3 9087, 4 4 5087, 4 5 9087, 4 6 9087, 4 7 9087, 4 7 9087, 4 9 9087, 4 10 9087, 4 11 9087, 4 13 9087, 4 13 9087, 4 14 9087, 4 15	AtaDiviti tor-Median/Readata AtaDiviti tor-Median/Readata	303R 303R 303R 203R 303R 303R 303R 303R	ABDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed AbDeviation-MedianReed	2022         7           2022         7           2022         8           2022         8           2022         8           2022         8           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9           2022         9	15         42           22         58           29         58           5         41           12         44           19         45           26         45           9         42           16         43           9         42           16         43           23         44	4.79843 3.89598 2.23639 1.94746 2.5071 4.58716 3.62057 2.39809 3.99414 2.13936 3.82318	3.79276 3.03952 1.64932 1.38038 1.76065 3.59832 2.17095 2.73459 2.65279 1.26705 2.26431	0 0.095 0.071 0.071 0 0.071 0 0 0 0 0 0 0 0 0.214	12.438 9.786 5.357 4.607 5.388 11.5 7.714 8.571 9.25 4.286 7.75	1.71875 3.4 1.69643 3.4 1.00586 2. 1.00586 2. 1.82243 3.4 2.20556 3.4 0.14286 1.4 2.06929 3.4 1.42857 3.4	625         8.29           16071         5.21           3.55         2.71           57143         2.71           57143         4.11           57143         4.12           57143         4.13           5757         3.81           71429         5.15           32143         3.11	5         0.1           11423         0.4           57143         0.5           11429         0.1           1607         0.4           10958         0.5           1071         0.4           55714         1.6           9643         0.1           25         0.1	18523	-1.05988 -0.5127 -0.35928 -0.67964 -0.12769 -0.55955 -0.55955 -0.35442 -0.43442 -0.8564	205438 166107 93.286 79.179 109.75 202.086 156.357 107.179 173.036	0.72899 0.74138 0.85943 0.56989 0.59401 0.79017 0.76574 1.20517 0.74528	6.0812 4.3806 2.7967 2.408 3.0684 5.8967 4.2891 3.6397 4.9146
CenterCurre tet 1 Deviation-PeakTimeHr Deviation-PeakTimeHr Deviation-PeakTimeHr Deviation-PeakValue tet Deviation-ToughTime Deviation-ToughValue Deviation-ToughValue Deviation-tout 4 Flaw.McdanaFiltere tet AbaDeviation McdanFil ScenterCurre tet Deviation-PeakValue tet Dev	504.313         F-WTenno/Wtest           403.304         F-WTenno/Wtest           11.33         F-WTenno/Wtest           0.367         F-WTenno/Wtest           10.044         F-WTenno/Wtest           10.213         F-WTenno/Wtest           403.304         F-WTenno/Wtest           403.304         F-WTenno/Wtest           409.055         F-WTenno/Wtest           518.169         F-WTenno/Wtest           543.16         F-WTenno/Wtest           543.16         F-WTenno/Wtest           524.50         F-WTenno/Wtest	3         3098 J           4         3084 J           5         3088 J           6         3098 J           7         3088 J           8         3098 J           9         3084 J           10         3087 J           11         3088 J           12         3088 J           13         3088 J           14         3084 J	AsDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture AbaDevistor-Median/Reacture	203R 203R 203R 203R 203R 203R 203R 203R	AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd AtsDeviation-Median/Riesd	2022 7 2022 7 2022 8 2022 8 2022 8 2022 8 2022 9 2022 9 2022 9 2022 9 2022 9	22         98           29         98           5         41           12         44           19         45           26         45           2         43           9         42           16         43           23         44	3.89598 2.23939 1.94746 2.5071 4.58716 3.62057 2.39803 3.99414 2.13916 3.82318	3.05952 1.64952 1.98058 1.76065 3.59832 2.17095 2.73459 2.65279 1.26705 2.26431	0.095 0 0.071 0.071 0 0.071 0 0 0 0 0 0 0 0.214	9.786 5.357 4.607 5.388 11.5 7.714 8.571 9.25 4.286 7.75	1.69643 3. 1 2 0.78571 1.4 1.0688 2. 1.82143 3. 2.2056 3. 0.14286 1.4 2.08957 3.	16071         5.21           3.57         3.57           85714         2.71           57143         4.11           98224         7.22           44643         4.91           67857         3.68           71429         5.12           32143         3.12           50704         5.44	1429         0.4           57143         0.5           1429         0.1           1607         0.4           0556         0.5           1471         0.4           15714         1.0           9643         0.1           25         0.1	18652	-0.5127 -0.39528 -0.67964 -0.12769 -0.55395 -0.35442 1.96337 -0.43442 -0.8544	166107 33.286 79.179 109.75 202.086 156.357 107.179 173.086 0.5.096	0.74138 0.85543 0.66589 0.99401 0.79017 0.76574 1.20517 0.74528	4.3806 2.7967 2.403 3.0684 5.8367 4.2891 3.6397 4.9146
1 Deviation-MedianFilter. 1 Deviation-PeakToPeak. 1 Deviation-PeakToPeak. 1 Deviation-PeakToPeak. 1 Deviation-ReakToPeak. 1 Deviation-TroughTime. 1 Deviation-TroughTime. 1 Deviation-Titlered bt 1 Raw-MedianFiltered bt 1 Raw-MedianFilter. 1 Asb2eviation-MedianFilter. 5 1 Deviation-MedianFilter. 5 1 Deviation-ReakToPeak. 1 Deviation-ReakToPe	483.304 F-WTempWhest 11.133 F-WTempWhest 9.357 F-WTempWhest 10.064 F-WTempWhest 10.213 F-WTempWhest 483.304 F-WTempWhest 493.93 F-WTempWhest 518.169 F-WTempWhest 518.169 F-WTempWhest 518.169 F-WTempWhest 518.16 F-WTempWhest 548.316	4 3098 J 5 3038 J 6 3038 J 7 3098 J 9 3038 J 9 3038 J 10 3098 J 11 2038 J 13 3038 J 14 3038 J 15 3038 J	AbDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat AbdDeviation-MedianFiteedat	003R 303R 303R 303R 303R 303R 303R 303R	AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend AtsDeviation-Median/Rend	2022 7 2022 8 2022 8 2022 8 2022 9 2022 9 2022 9 2022 9 2022 9 2022 9	29         38           5         41           12         44           19         45           26         45           2         43           9         42           16         43           23         44	2.23939 1.94746 2.5071 4.58716 3.62057 2.39803 3.99414 2.19916 3.82318	1.64892 1.38038 3.59832 2.17055 2.73459 2.63279 1.26705 2.26431	0 0.071 0 0 0.071 0 0 0 0 0 0 0.214	5.357 4.607 5.398 11.5 7.714 8.571 9.25 4.286 7.75	1         2           0.78571         1.4           1.00893         2.           1.82243         3.4           2.20556         3.6           0.14286         1.4           2.08529         3.4           1.42857         3.4	9.55 85714 2.71 57143 4.11 98214 7.20 44643 4.91 67857 3.81 71429 5.15 32143 3.12	57149         0.5           1429         0.1           1607         0.4           0536         0.5           1071         0.4           15714         1.0           9643         0.1           25         0.7	3822 ( 1282 ( 11771 ( 157635 ( 16507 0 09908 1 15328 ( 08711 ( 1932) ( 1932	-0.39828 -0.67964 -0.12769 -0.55895 0.35142 1.96337 -0.43442 -0.8544	93.286 79.179 109.75 202.036 196.357 107.179 173.036	0.85943 0.66989 0.99401 0.79017 0.79574 1.20517 0.74529	2.7967 2.403 3.0684 5.8367 4.2891 3.6397 4.9146
12_Deviation-Peak/TimeHr           12_Deviation-Peak/Value_txt           13_Deviation-TroughTime           13_Deviation-TroughTime           13_Deviation-TroughTime           13_Deviation-TroughTime           13_Deviation-TroughTime           14_Deviation-TroughTime           14_Raw-MedianFilter           14_Deviation-MedianFilter           12_Deviation-MedianFilter           13_Deviation-MedianFilter	11.133         F-WTency/West           9.367         F-WTency/West           10.044         F-WTency/West           11.164         F-WTency/West           10.213         F-WTency/West           483.304         F-WTency/West           498.935         F-WTency/West           518.169         F-WTency/West           518.169         F-WTency/West           524.80         F-WTency/West           524.81         F-WTency/West	5         9098 /           6         9084 /           7         9098 /           8         9084 /           9         9084 /           10         9084 /           11         9084 /           12         9084 /           13         9084 /           14         9084 /           15         9084 /	AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut AbsDeviation-Median/Resolut	009R 309R 309R 309R 309R 309R 309R 309R	AtsDeviation-MedianFittend AtsDeviation-MedianFittend AtsDeviation-MedianFittend AtsDeviation-MedianFittend AtsDeviation-MedianFittend AtsDeviation-MedianFittend AtsDeviation-MedianFittend AtsDeviation-MedianFittend AtsDeviation-MedianFittend	2022 8 2022 8 2022 8 2022 9 2022 9 2022 9 2022 9 2022 9 2022 9 2022 9	5 41 12 44 19 45 26 45 2 43 9 42 16 43 23 44	1.94746 2.5071 4.58716 3.62057 2.39803 3.99414 2.19916 3.82318	1.38098 1.76065 3.53832 2.17095 2.73459 2.65279 1.26705 2.226431	0.071 0.071 0 0.071 0 0 0 0 0 0.0214	4.607 5.398 11.5 7.714 8.571 9.25 4.296 7.75	0.78571 1.4 1.00839 2. 1.82143 3. 2.20556 3.4 0.14286 1.4 2.08529 3. 1.42857 2.	85714 2.71 57143 4.11 98214 7.22 44643 4.91 67857 3.81 71429 5.11 32143 3.12	1429         0.1           1607         0.4           0556         0.5           1677         0.4           15714         1.0           9643         0.1           25         0.7	1282 (0 11771 (0 57635 (0 16907 (0 19908 1 15228 (0 08711 (0	-0.67964 -0.12769 -0.55395 0.35142 1.96337 -0.43442 -0.8544	79.179 109.75 202.086 196.357 107.179 173.086	0.66389 0.99401 0.79017 0.79674 1.20517 0.74529	2.408 3.0684 5.8367 4.2891 3.6397 4.9146
1]_Deviation-PeakToPeak. 1]_Deviation-PeakValue.txt 1]_Deviation-TroughTime 1]_Deviation-TroughTime 1]_Deviation-MedianFiltered.txt 4]_Raw-MedianFiltered.txt 4]_Raw.txt 1]_Asb2eviation-MedianFilter 5]_Deviation-MedianFilter 5]_Deviation-PeakToPeak 1]_Deviation-PeakToPeak 1]_Deviation-PeakToPeak 1]_Deviation-PeakToPeak 1]_Deviation-PeakValue.txt 1]_Deviation-PeakValue.txt 1]_Deviation-PeakValue.txt	9.357 F-WTempWtest 10.064 F-WTempWtest 10.1164 F-WTempWtest 483.304 F-WTempWtest 493.303 F-WTempWtest 491.803 F-WTempWtest 518.169 F-WTempWtest 518.169 F-WTempWtest 518.169 F-WTempWtest 518.169 F-WTempWtest 524.80 F-WTempWtest	6 909RJ 7 909RJ 9 909RJ 10 309RJ 11 909RJ 12 909RJ 13 909RJ 14 909RJ 15 909RJ	AbsDeviation-Median/Fiteredat AbsDeviation-Median/Fiteredat AbsDeviation-Median/Fiteredat AbsDeviation-Median/Fiteredat AbsDeviation-Median/Fiteredat AbsDeviation-Median/Fiteredat AbsDeviation-Median/Fiteredat AbsDeviation-Median/Fiteredat	303R 303R 303R 303R 303R 303R 303R 303R	AbsDeviation-MedianFittend AbsDeviation-MedianFittend AbsDeviation-MedianFittend AbsDeviation-MedianFittend AbsDeviation-MedianFittend AbsDeviation-MedianFittend AbsDeviation-MedianFittend AbsDeviation-MedianFittend	2022 8 2022 8 2022 8 2022 9 2022 9 2022 9 2022 9 2022 9	12 44 19 45 26 45 2 43 9 42 16 43 23 44	2.5071 4.58716 3.62057 2.39803 3.99414 2.19916 3.82318	1.76065 3.59832 2.17095 2.79499 2.69279 1.26705 2.26431	0.071 0 0.071 0 0 0 0 0.214	5.388 11.5 7.714 8.571 9.25 4.286 7.75	1.00899 2. 1.92143 3. 2.20596 3. 0.14286 1.1 2.08929 3. 1.42857 2.	57143 4.11 98214 7.20 44643 4.91 67857 3.89 71429 5.15 92143 3.12 50214 5.4	1607 0.4 16056 0.5 11071 0.4 15714 1.0 3643 0.1 25 -0 04643 0.5	11771 ( 57635 ( 16507 0 99608 1 15228 ( 08711 (	-0.12769 -0.55395 0.35142 1.96337 -0.43442 -0.8544	109.75 202.086 156.357 107.179 173.096	0.99401 0.79017 0.76574 1.20517 0.74528	3.0684 5.8367 4.2891 3.6397 4.3146
1] Deviation-ProukValue txt 1] Deviation-TroughValue 1] Deviation-TroughValue 1] Deviation-TroughValue 1] Raw-MddianFiltered txt 4] Raw txt 1] Deviation-MedianFilter 5] Deviation-MedianFilter 5] Deviation-ReakTimetri 1] Deviation-ReakTimetri	10.064 F-WTemp/West 11.164 F-WTemp/West 10.213 F-WTemp/West 483.304 F-WTemp/West 493.893 F-WTemp/West 518.169 F-WTemp/West 518.169 F-WTemp/West 548.316 F-WTemp/West 548.316 F-WTemp/West	7 90980 / 8 90980 / 9 90980 / 10 90980 / 11 90980 / 12 90980 / 13 90980 / 14 90980 / 15 90980 /	AbsDeviation-MedianFitesdat AbsDeviation-MedianFitesdat AbsDeviation-MedianFitesdat AbsDeviation-MedianFitesdat AbsDeviation-MedianFitesdat AbsDeviation-MedianFitesdat AbsDeviation-MedianFitesdat	303 M 303 M 303 M 303 M 303 M 303 M 303 M 303 M	AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered	2022 8 2022 8 2022 9 2022 9 2022 9 2022 9 2022 9	19         45           26         45           2         43           9         42           16         43           23         44	4.58716 3.62057 2.33803 3.39414 2.19916 3.82318	3.59832 2.17095 2.79499 2.69279 1.26705 2.26431	0 0.071 0 0 0 0.214	11.5 7.714 8.571 9.25 4.286 7.75	1.82143 3. 2.20596 3. 0.14286 1.0 2.06529 3. 1.42857 2. 2.0557 3.	98214 7.20 44643 4.91 67857 3.89 71429 5.13 92143 3.12 50214 5.41	0536 0.5 1071 0.4 15714 1.0 9643 0.1 25 00	57635 -( 16507 0 19908 1 15228 -( 08711 -(	-0.55895 0.35442 1.96337 -0.43442 -0.8544	202.096 196.357 107.179 173.096	0.79017 0.76574 1.20517 0.74528	5.8367 4.2891 3.6397 4.3146
11_Deviation-TroughTime 12_Deviation-TroughValue 13_Deviation-txt 4 13_Raw.txt 4 11_Raw.txt 4 11_AbaDeviation-MedianFiL 5 14_Debiation-MedianFilter 5 13_Deviation-PeakTimeHr 5 13_Deviation-PeakTimeHr 1_Deviation-PeakToPeak 11_Deviation-PeakValue.txt 11_Deviation-PeakValue.txt 11_Deviation-1000	11.164 F:WTempWtest 10.213 F:WTempWtest 498.304 F:WTempWtest 498.965 F:WTempWtest 518.169 F:WTempWtest 518.169 F:WTempWtest 518.169 F:WTempWtest 548.316 F:WTempWtest 524.80 F:WTempWtest	8 5098 / 9 5098 / 10 5098 / 11 5098 / 12 5098 / 13 5098 / 14 5098 / 15 5098 /	AbsDeviation-MedianFiteedox AbsDeviation-MedianFiteedox AbsDeviation-MedianFiteedox AbsDeviation-MedianFiteedox AbsDeviation-MedianFiteedox AbsDeviation-MedianFiteedox	303R 303R 303R 303R 303R 303R 303R	AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered	2022 8 2022 9 2022 9 2022 9 2022 9 2022 9 2022 9	26 45 2 43 9 42 16 43 23 44	3.62057 2.39803 3.99414 2.19916 3.82318	2.17095 2.79499 2.69279 1.26705 2.26431	0.071 0 0 0 0.214	7.714 8.571 9.25 4.286 7.75	2.20536 9. 0.14286 1. 2.08929 9. 1.42857 2. 2.05357 9.	44643 4.91 67857 9.89 71429 5.19 32143 9.12 50714 5.41	1071 0.4 15714 1.0 9643 0.1 25 -0) 4643 0.7	16907 0 19908 1 19228 4 08711 4	0.35442 1.96337 -0.43442 -0.8544	156357 107179 1731396	0.76574 1.20517 0.74528	4.2891 3.6397 4.9146
11_Deviation-Trough/Value 11_Deviation.td 4 11_Rew-MedianFiltered.td 4 11_Rew.td 4 11_Asb2eviation-MedianFilter 11_Asb2eviation-MedianFilter 11_Deviation-MedianFilter 11_Deviation-ReakTimeHr 11_Deviation-ReakTimeHr 11_Deviation-ReakToPeak 11_Deviation-ReakToPeak 11_Deviation-ReakToPeak 11_Deviation-ReakToPeak 11_Deviation-ReakToPeak	10.213 F-WTempWtest 483.304 F-WTempWtest 496.965 F-WTempWtest 518.169 F-WTempWtest 518.169 F-WTempWtest 518.169 F-WTempWtest 548.316 F-WTempWtest 528.450 F-WTempWtest	9 30964 / 10 30964 / 11 30964 / 12 30964 / 13 30976 / 14 309764 / 15 303764 /	AbsDeviation-MedianFitesedate AbsDeviation-MedianFitesedate AbsDeviation-MedianFitesedate AbsDeviation-MedianFitesedate AbsDeviation-MedianFitesedate AbsDeviation-MedianFitesedate	309 RL 309 RL 309 RL 309 RL 309 RL 309 RL 309 RL	AbsDeviation-MedianFitered AbsDeviation-MedianFitered AbsDeviation-MedianFitered AbsDeviation-MedianFitered AbsDeviation-MedianFitered	2022 9 2022 9 2022 9 2022 9 2022 9 2022 9	2 43 9 42 16 43 23 44	2.39808 3.99414 2.19916 3.82318	2.79499 2.69279 1.26705 2.26431	0 0 0.214	8.571 9.25 4.296 7.75	0.14286 1.4 2.08929 3.7 1.42857 2.5 2.05957 3.4	67857 3.85 71429 5.15 32143 3.12 50714 5.41	15714 1.0 9643 0.1 25 -0.0	09908 1 15228 0 08711 0	1.96337 -0.43442 -0.8544	107179 173.096	1.20517 0.74528	3.6397 4.9146
11_Deviation txt     4       11_Raw, txt     4       11_Raw, txt     4       12_Raw, txt     4       14_DebDeviation-MedianFile     5       11_Deviation-MedianFilter     5       11_Deviation-PeakTimeHr     5       11_Deviation-PeakTimeHr     1       11_Deviation-PeakTimeHr     1       11_Deviation-PeakTimeHr     1       11_Deviation-PeakValue.txt     1       11_Deviation-PeakValue.txt     1	483.304 F:\Temp\Hest 496.965 F:\Temp\Hest 491.893 F:\Temp\Hest 518.169 F:\Temp\Hest 518.169 F:\Temp\Hest 548.316 F:\Temp\Hest 548.316 F:\Temp\Hest	10 30980_ 11 30980_ 12 30980_ 13 30980_ 14 30980_ 15 30980_	AbsDeviation-MedianFitered.txt AbsDeviation-MedianFitered.txt AbsDeviation-MedianFitered.txt AbsDeviation-MedianFitered.txt AbsDeviation-MedianFitered.txt	303 RL 303 RL 303 RL 303 RL 303 RL 303 RL	AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered	2022 9 2022 9 2022 9 2022 9 2022 9	9 42 16 43 23 44	3.99414 2.19916 3.82318	2.69279 1.26705 2.26431	0 0 0.214	9.25 4.286 7.75	2.08929 3. 1.42857 2. 2.05857 3.	71429 5.19 32143 3.12 50714 5.44	9643 0.1 25 -0,1	15228 -0 08711 -0	-0.43442 -0.8544	173.096	0.74528	4.9146
1) Raw Median Filtered bt 1] Raw tot 1] Asb Eviation-Median Fil	496,965 F:WTempWtest 491,893 F:WTempWtest 518,169 F:WTempWtest 518,169 F:WTempWtest 548,316 F:WTempWtest 528,450 F:WTempWtest	11 90381 / 12 90381 / 13 90381 / 14 90381 / 15 90381 /	AbsDeviation-MedianFitered.tx AbsDeviation-MedianFitered.tx AbsDeviation-MedianFitered.tx AbsDeviation-MedianFitered.tx	303 RL 303 RL 303 RL 303 RL 303 RL	AbsDeviation-MedianRitered AbsDeviation-MedianRitered AbsDeviation-MedianRitered	2022 9 2022 9 2022 9	16 43 23 44	2.19916 3.82318	1.26705 2.26431	0	4.286	1.42857 2.3	32143 3.12 50714 5.44	25 -0.	08711 -0	-0.8544	0.0.000		
1 Raw bt     4       21 AbsDeviation-MedianFi	491.893 F:\#Temp\#test 518.169 F:\#Temp\#test 518.169 F:\#Temp\#test 548.316 F:\#Temp\#test 528.450 F:\#Temp\#test	12 903RL / 13 903RL / 14 903RL / 15 903RL /	AbsDeviation-MedianFiltered.txt AbsDeviation-MedianFiltered.txt AbsDeviation-MedianFiltered.txt	303 RI 303 RI 303 RI	AbsDeviation-MedianFibered AbsDeviation-MedianFibered	2022 9 2022 9	23 44	3.82318	2.26431	0.214	7.75	2.05857 3.	50714 5.44	4643 0.5	4000		35,579	0.5975	2.5389
11_AbsDeviation-MedianFi     !       12_AbsDeviation.bt     !       13_CenterCurve.txt     !       14_Deviation-MedianFilter     !       14_Deviation-PeakTimeHr     !       12_Deviation-PeakToPeak     !       13_Deviation-PeakValue.txt     !       13_Deviation-TroughTime     !	518,169 F:\Temp\test 518,169 F:\Temp\test 548,316 F:\Temp\test 528,450 F:\Temp\test	13 903RL/ 14 909RL/ 15 903RL/	AbsDeviation-MedianFitered.txt AbsDeviation-MedianFitered.txt	303 RL 303 RL	AbsDeviation-MedianFiltered	2022 9	20 AE						D.60			-0.52957	165179	0.64251	4.4371
11_AbsDeviation.bt     !       12_centerCurve.bt     !       14_Deviation-MedianFilter     !       14_Deviation-PeakTimeHr     !       12_Deviation-PeakToPeak     !       12_Deviation-PeakToPeak     !       14_Deviation-PeakToPeak     !       14_Deviation-PeakToPeak     !	518,169 F:\Temp\test 548,316 F:\Temp\test 528,450 F:\Temp\test	14 909Rd_/ 15 909Rd_/	AbsDeviation-MedianFiltered.txt	909 RL			2011 H 11	4.36296	2.51022	0.398	8.571	2.5 4.	14286 6.46	6429 0.1	7287 -	-0.97088	189.821	0.6025	5.0495
1_CenterCurve.txt ! 1_Deviation-MedianFilter { 1_Deviation-PeakTimeHr 1_Deviation-PeakValue.txt 1_Deviation-TroughTime	548,316 F:\TempWtest 528,450 F:\TempWtest	15 303R1_/		20214	Abs Deviation-Median Filtered	2022 10	7 42	2 60096	1 59909	0	5.429	1 95714 2	E 9.91	15714 0.5	206 (	.0.04529	112.649	0.77949	3.0007
R1_Deviation-MedianFilter R1_Deviation-PeakTimeHr R1_Deviation-PeakVoPeak R1_Deviation-PeakValue.txt R1_Deviation-TroughTime	528,450 F:₩Temp₩test	2007id_r	Abs Deviation Median Eitend tot	2022	Abs Deviation Median Steed	2022 10	14 40	4 90019	2 70529	0.071	9 464	2.02629 51	17957 6.96	GEN7 .0.1	16709	0.59222	21 5 095	0.5944	C 6 674
R1_Deviation-PeakTimeHr R1_Deviation-PeakToPeak R1_Deviation-PeakValue.txt R1_Deviation-TroughTime		16 00000	AbsDeviation Median Resident	2021	AbaDeviation Median Read	2012 10	14 40	6 10251	0.678.05	0.140	10.140	0.00050 53	17000 0.00	noo)	10000	0.02001	250.170	0.51570	7 4 5 4 5
R1_Deviation-PeakToPeak R1_Deviation-PeakValue.txt R1_Deviation-TroughTime	11,624 F:\Temp\test	17 00074	AbsDeviation-Media (Pheedax	303 N	AbsDeviation-MediariHiteled	2022 10	21 42	6.10/54	0.00000	0.145	12.145	5.23464 6.	20/00 0.02	25 0.0	10010 -	-0.35234	2631/3	0.01042	7.1245
R1_Deviation-PeakValue.txt R1_Deviation-TroughTime	10,273 F:₩Temp₩test	18 00074	AbsDeviation-Medianniteed.tx	303 R	AbsDeviation-Medianititeed	2022 10	20 45	0.30022	5.03003	0.35/	12,464	4.1160/ /.	10/14 10.0	-0.	12/16 -1	-1.04356	514.5	0.55556	7.00/5
R1_Deviation-TroughTime	10.572 F:₩Temp₩test	19	AbsDeviation-MedianPiteleo.tx	303 N	Abspeviation-Mediannitered	2022 11	4 44	7.36351	4.12001	0.179	13,60/	4.5/143 6.	64286 11.3	.5 -0.	51016 -1	-1.11354	344./5	0.52572	0.3/06
	12,723 F:#Temp#test	10 303KL/	ADSDEVIATION-MIEDIANFITERED.IX	303 KL	ADSUEVIATION-MIECIANHITERED	2022 11	11 46	8.33616	6.23//3	0.107	19,60/	4.21429 7.9	6/85/ 14.1	.16364 0.0	15206 -0	-0.88429	337,526	0,62//	11.1986
R1_Deviation-TroughValue	11,604 F:WTempWtest	20 303RL	AbsDeviation-MedianFitered.txt	303 R	AbsDeviation-MedianHitered	2022 11	18 40	8.62808	4.30/01	0.143	15.398	5.52679 9.3	14286 11.4	.48214 -0.	18746 -0	-0.76657	370.464	0.90943	9,6389
R1_Deviation.txt 5	528,450 F:\Temp\test	21 303R1_4	AbsDeviation-MedianFiltered.txt	303 R	AbsDeviation-MedianRitered	2022 11	25 39	7.88529	4.64119	0.786	17.179	4.63398 6.3	85/14 11.0	.01786 0.4	11267 -0	-0.5765	327.857	0.59904	9.1494
R1_Raw-MedianFiltered.txt 5	538,793 F:\Temp\test	22 303R1_4	AbsDeviation-MedianFitered.txt	303 RI	AbsDeviation-MedianRitered	2022 12	2 43	6.84765	4.2908	0.143	12.571	2.03571 8.	64286 10.2	25 -0)	04696 -1	-1.00996	298.571	0.63296	8.0849
(1_Raw.txt 5	532,621 F:\Temp\test	23 909R1_/	AbsDeviation-MedianFiltered.txt	303 RL	AbsDeviation-MedianFitered	2022 12	9 42	6.63965	3.88486	0.357	13.399	3.58096 6.4	44643 9.31	125 0.2	2436 -0	-0.83403	279.321	0.60601	7.6964
R1_AbsDeviation-MedianFi 4	459,693 F:₩Temp₩test	24 303R1_/	AbsDeviation-MedianFitered.txt	303 RL	AbsDeviation-MedianRitered	2022 12	16 45	4.99511	3.1193	0.214	10.398	2.48214 4.:	14296 7.44	4643 0.2	23859 -0	-0.98103	215.571	0.67744	5.8996
R1_AbsDeviation.txt 4	459,693 F:WTempWtest	25 303R1_4	AbsDeviation-MedianFitered.txt	303 RI	AbsDeviation-MedianRitered	2022 12	23 46	5.03385	3.68395	0.167	11.25	2.11498 3.0	625 8.33	13333 0.3	-1	-1.13374	219.417	0.72896	6.2432
R1_CenterCurve.txt 4	491,780 F:\Temp\test	26 303R1_4	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianRitered	2022 12	30 42	3.88779	3.23014	0.071	10.286	1.48214 3./	03571 5.85	9286 0.5	5678 -(	-0.62965	155329	0.84839	5.0995
R1_Deviation-MedianFilter 4	468,607 F:\Temp\test	27 303R1_4	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianFiltered	2023 1	6 40	7.40825	4.12067	0.398	13.964	3.83929 7.3	82143 10.6	.64286 -0.	02996 -1	-1.11482	317.507	0.57121	8.4752
R1_Deviation-PeakTimeHr	11,132 F:WTempWtest	28 903R1_/	AbsDeviation-MedianFiltered.txt	303 RL	AbsDeviation-MedianFitered	2029 1	13 42	7.15291	4.44009	0.107	14.679	3.75 6.3	92857 10.6	.66071 0.2	29888 0	0.12372	314,643	0.79094	8.4994
R1_Deviation-PeakToPeak	9,101 F:WTempWtest	29 303R1_/	AbsDeviation-MedianFitered.txt	303 RL	AbsDeviation-MedianFitered	2023 1	20 41	6.17681	4.92489	0.25	1525	2.25 4.	46429 9.96	6429 0.6	50907 -0	-0.84003	267.893	0.90006	7.8923
R1_Deviation-PeakValue.txt	9,966 F:WTempWtest	30 303R1_4	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianRitered	2023 1	27 44	7.09747	5.56496	0.214	17.571	2.76786 5.4	42857 11.0	.08096 0.5	59207 -0	-0.63417	300.25	0.84201	9.0516
R1_Deviation-TroughTime	11.0/8 F:#Temp#test	31 303R1_4	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianRitered	2023 2	3 44	9.43958	5.95121	0.214	19.643	4.83929 8.4	46429 13.6	.60714 0.1	7952 -0	-0.65294	410.321	0.6617	11.2477
1_Deviation-TroughValue	9,955 F:WTempWtest	32 303R1_4	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianFiltered	2023 2	10 42	7.79697	4.99578	0.107	16.321	3.94643 6.1	71429 11.4	.48214 0.4	1705 -0	-0.73984	333.107	0.69618	9.2341
4 Deviation.txt	408,007 F:WTempWtest	33 303R1_/	AbsDeviation-MedianFitered.txt	303 RL	AbsDeviation-MedianFitered	2029 2	17 40	6.88277	4.62296	0.143	14.643	2.96429 6.3	21429 10.6	.64286 0.2	2414 -1	-1.09098	295821	0.72149	8.3316
I_Haw-MedianFiltered.txt 4	484,300 F:WTempWtest	34 303R1_/	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianRitered	2023 2	24 42	12.15499	6.39762	0.571	21.607	7.10714 12	2.75 16.8	.86607 -0.3	16414 -0	-0.97555	474.143	0.5308	13.7058
(I_Haw.oxt 4	4/8,/13 F:WIempWtest	35 303R1_4	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianRitered	2023 3	3 41	12.34401	6.29895	0.096	21.821	7.51786 12	.96429 17.0	.08928 -0.2	20709 -	-0.84242	534.107	0.53238	13.8513
		36 303R1_4	AbsDeviation-MedianFiltered.txt	303 RI	AbsDeviation-MedianRitered	2023 3	10 42	12.698	7.16324	0.5	24.295	7.33929 12	18.1	.125 0.0	. 8119	-0.89587	549.398	0.59834	14.5746
		37 909RL /	AbsDeviation-MedianFiltered.txt	303R1	AbsDeviation-MedianFitered	2029 3	17 45	13.10963	6.96342	0.714	24.5	7.94643 19	.5 18.0	.01786 -0./	02728 -0	-0.87867	570.096	0.54946	14.8396

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