

AVEVA Prism Screenshots

Prism - VMware Workstation

File Edit View VM Tabs Help | | | | | | | | | |

Home Prism

AVEVA Predictive Analytics Client - Demo - 44 Days Remaining

File View Analysis Trend Deploy Monitor Real-Time Service Help

(UTC+05:30) Chennai, Kolkata, Mur

Project

- Project Points
- Training Data
- Operational Profiles
- Filters
- Alert Thresholds
- Notes

Start

Import

Import points and historical data into the project

- Add points from eDNA
- Import historical data from the historian
- Import historical data from a file

Create

Set up the model definition

- Create filters
- Create alert thresholds
- Create an operational profile

Monitor

Deploy and monitor your project

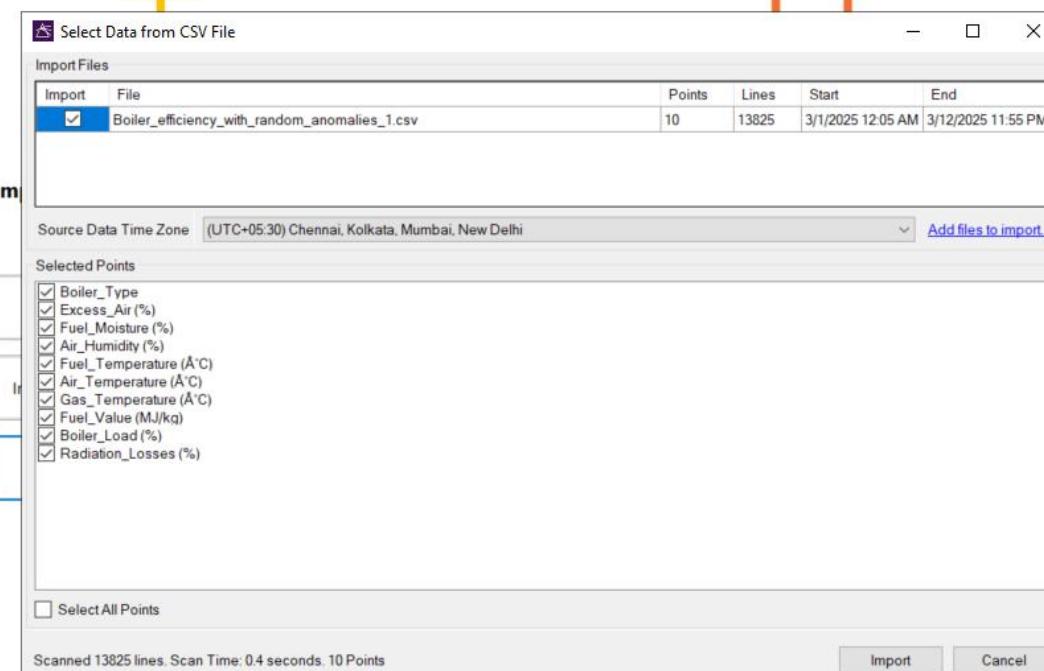
- Test the operational profile
- Deploy the operational profile
- Monitor your project

Ready

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

09:07 03-04-2025

- **Project**
 - Project Points
 - Training Data
 - Operational Profiles
 - Filters
 - Alert Thresholds
 - Notes



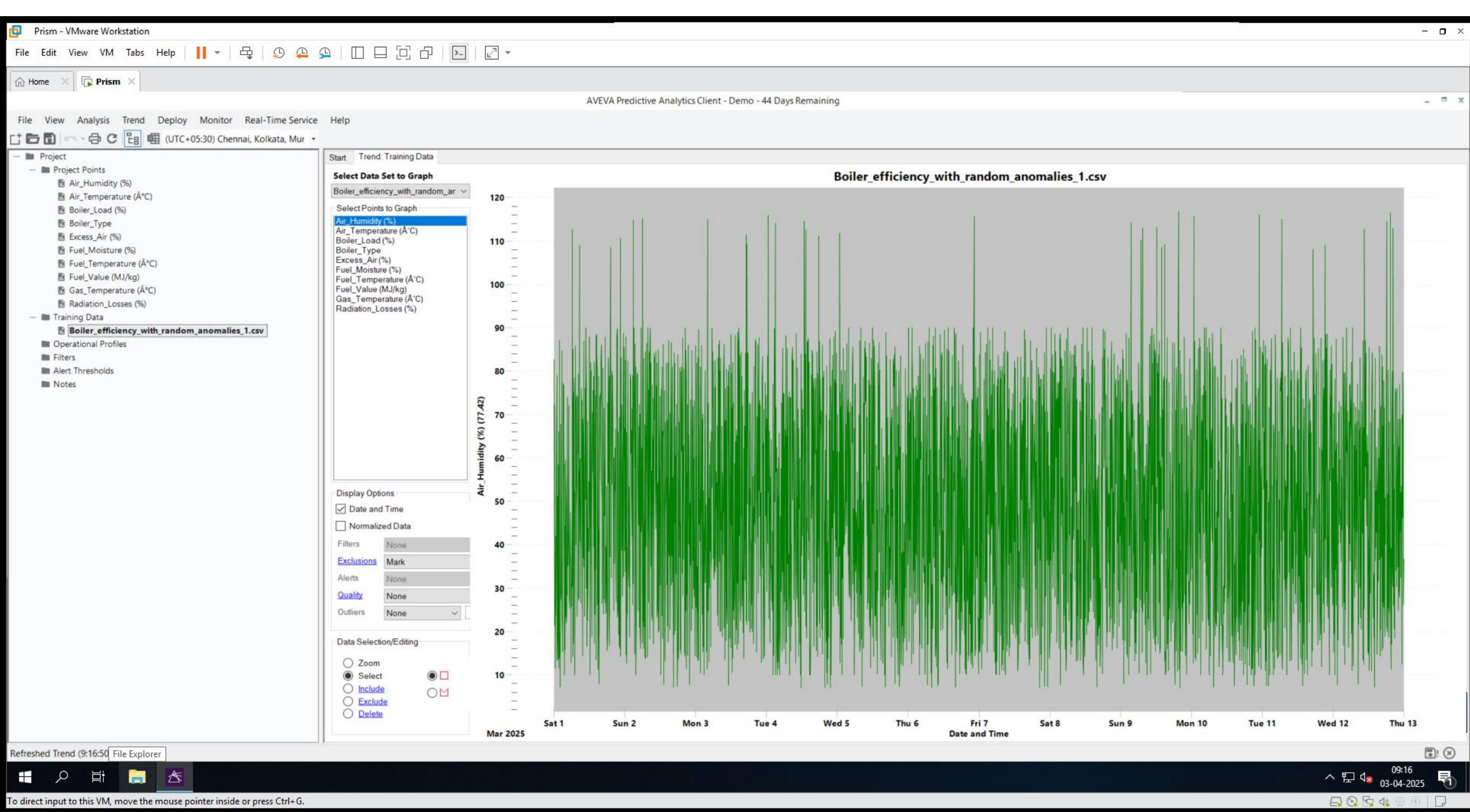
Monitor

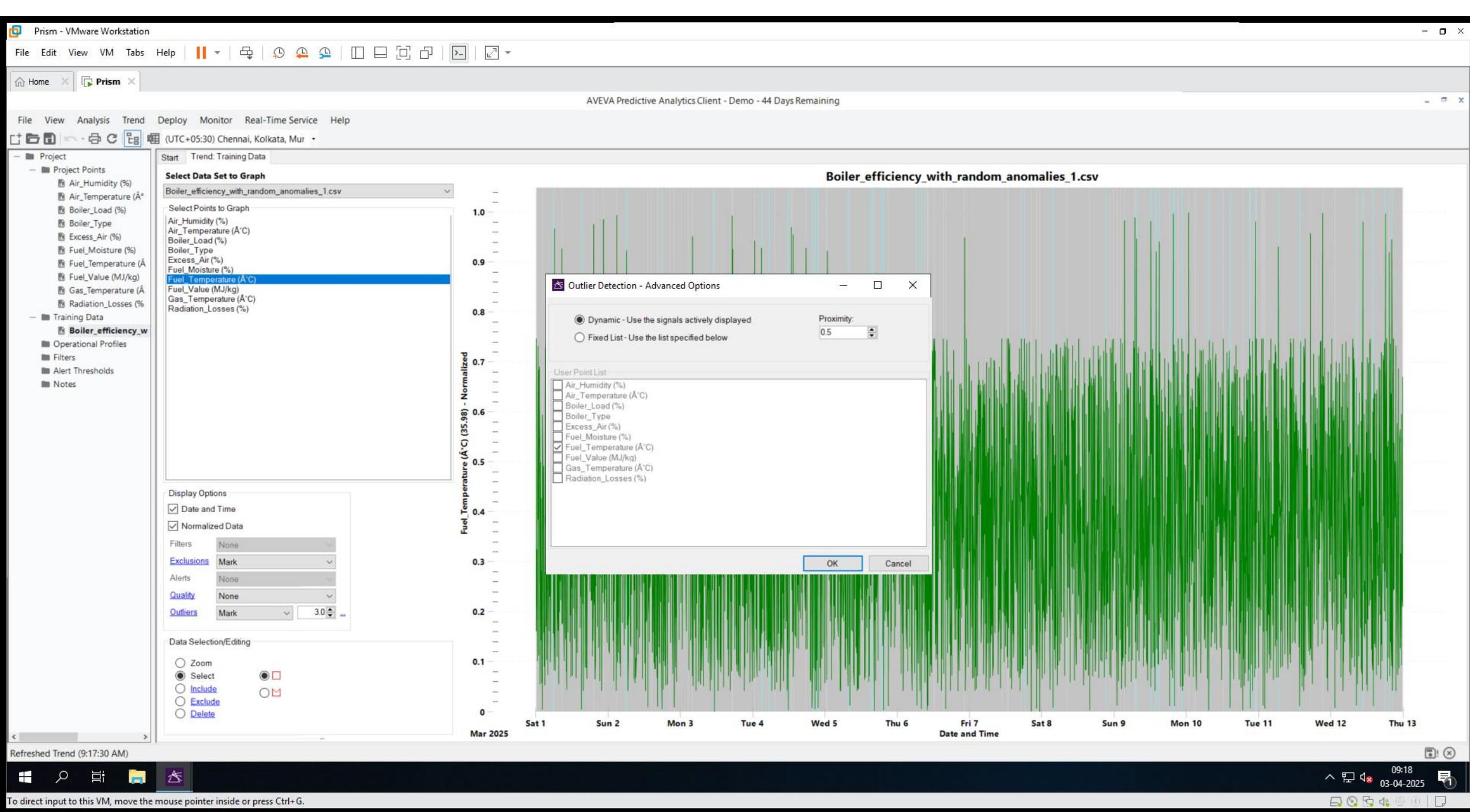
Deploy and monitor your project

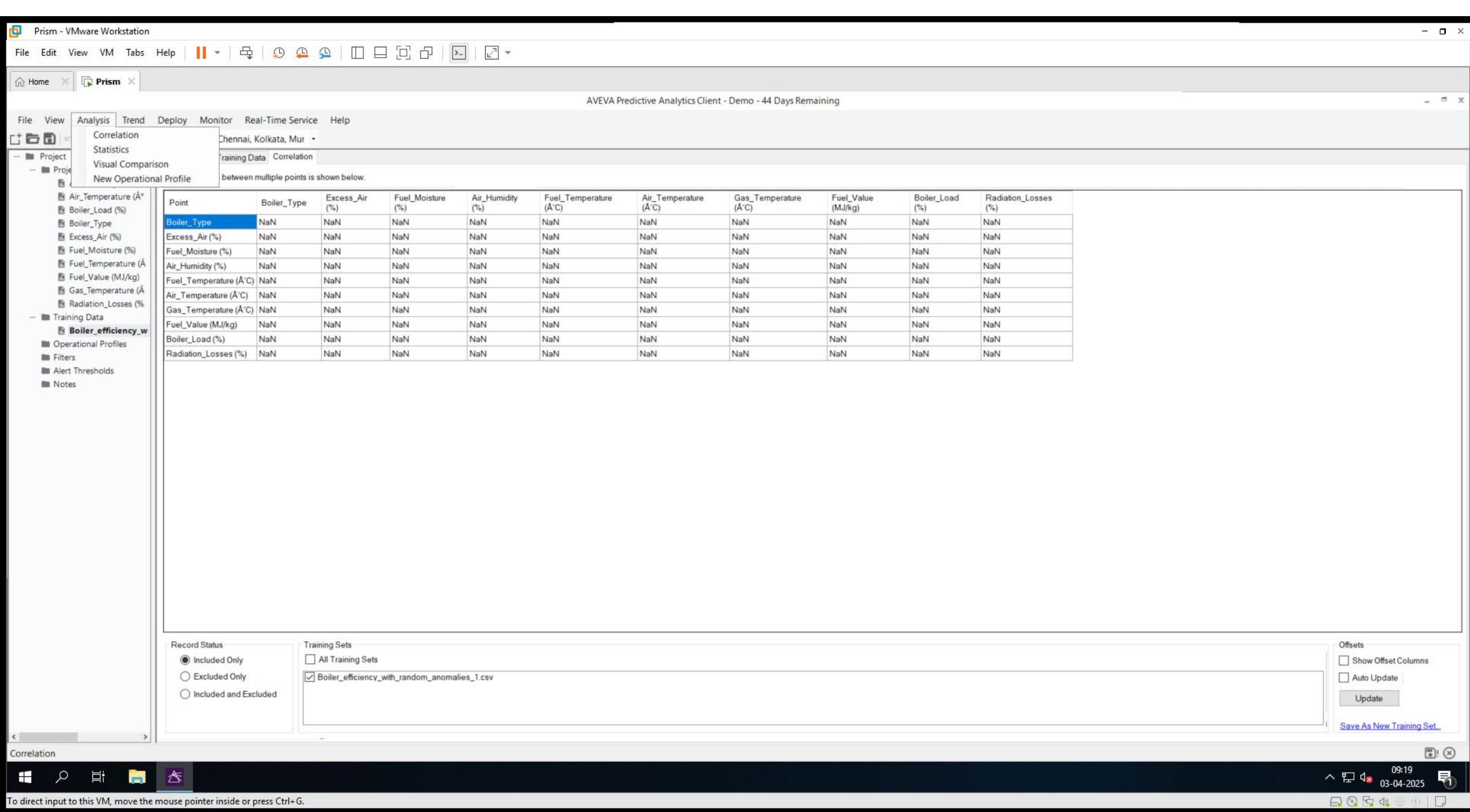
Test the operational profile

Deploy the operational profile

Monitor your project



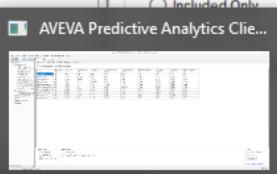




The correlation between multiple points is shown below

Point	Boiler_Type	Excess_Air (%)	Fuel_Moisture (%)	Air_Humidity (%)	Fuel_Temperature (°C)	Air_Temperature (°C)	Gas_Temperature (°C)	Fuel_Value (MJ/kg)	Boiler_Load (%)	Radiation_Losses (%)
Boiler_Type	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Excess_Air (%)	NaN	100.00%	10.62%	8.21%	8.47%	8.84%	11.09%	15.73%	12.89%	10.51%
Fuel_Moisture (%)	NaN	10.62%	100.00%	9.63%	9.38%	8.29%	11.67%	9.32%	10.91%	9.66%
Air_Humidity (%)	NaN	8.21%	9.63%	100.00%	11.41%	9.78%	10.23%	12.87%	11.42%	11.18%
Fuel_Temperature (°C)	NaN	8.47%	9.38%	11.41%	100.00%	11.65%	12.12%	14.97%	10.93%	10.74%
Air_Temperature (°C)	NaN	8.84%	8.29%	9.78%	11.65%	100.00%	10.39%	13.16%	13.92%	12.17%
Gas_Temperature (°C)	NaN	11.09%	11.67%	10.23%	12.12%	10.39%	100.00%	17.08%	12.47%	13.60%
Fuel_Value (MJ/kg)	NaN	15.73%	9.32%	12.87%	14.97%	13.16%	17.08%	100.00%	14.48%	13.38%
Boiler_Load (%)	NaN	12.89%	10.91%	11.42%	10.93%	13.92%	12.47%	14.48%	100.00%	11.05%
Radiation_Losses (%)	NaN	10.51%	9.66%	11.18%	10.74%	12.17%	13.60%	13.38%	11.05%	10.00%

AVEVA Predictive Analytics Client - Demo - 44 Days
Remaining

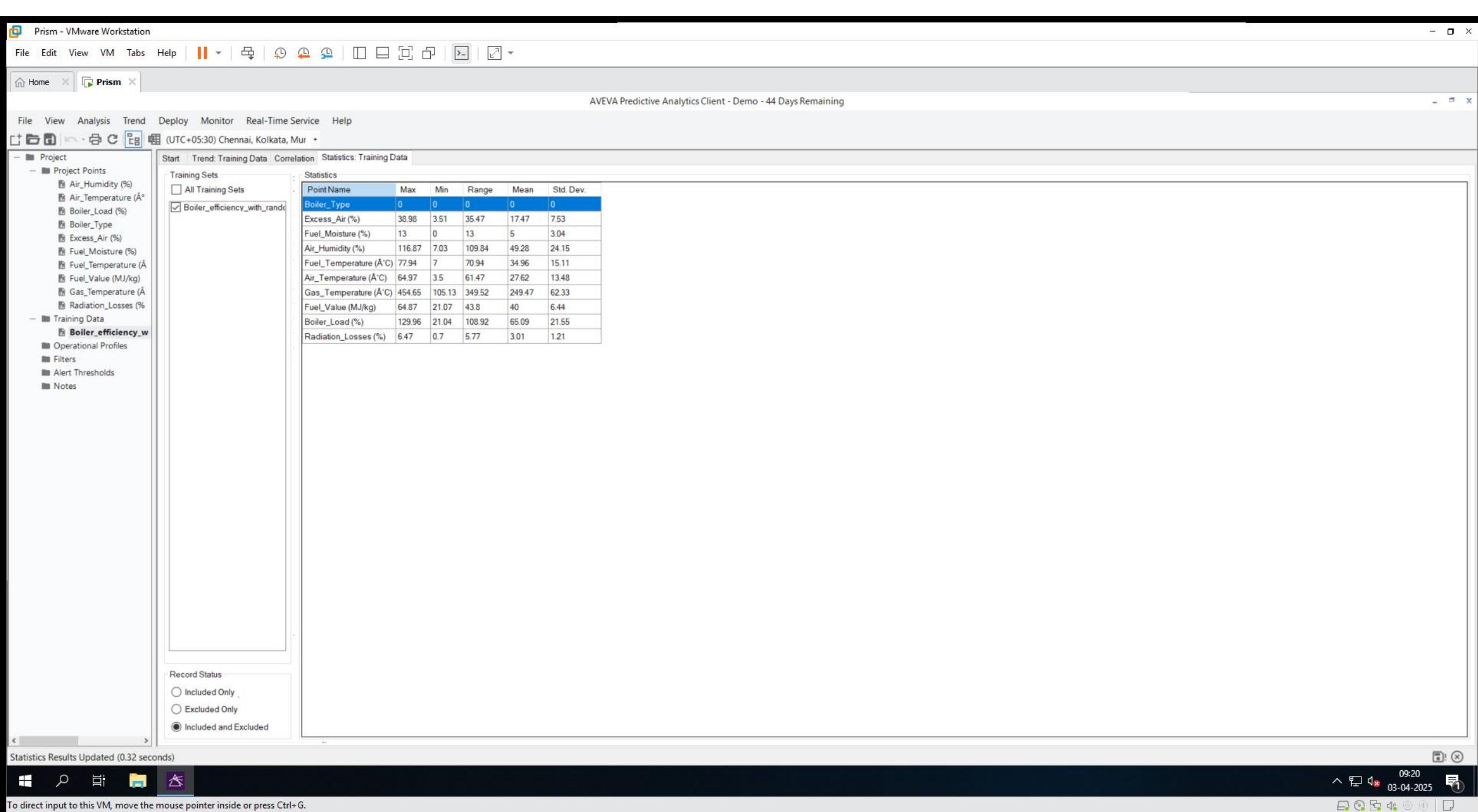


Training Se

- Boiler_efficiency_with_random_anomalies_1.csv

Offsets	<input type="checkbox"/> Show Offset Columns <input type="checkbox"/> Auto Update
<input type="button" value="Update"/>	
Save As New Training Set	

Save As New Training Set...



100

- ject Points
Air_Humidity (%)
Air_Temperature (Å°)
Boiler_Load (%)
Boiler_Type
Excess_Air (%)
Fuel_Moisture (%)
Fuel_Temperature (Å°)
Fuel_Value (MJ/kg)
Gas_Temperature (Å°)
Radiation_Losses (%)

- Training Data
 - Boiler_efficiency_w
 - Operational Profiles
 - Filters
 - Alert Thresholds
 - Notes

Start Trend: Training Data Correlation Statistics: Training Data Correlation: Training Data

Training Data

- All Training Data
 - Boiler_efficiency_with_random_ar

Point for X-Axis

- | |
|-----------------------|
| Air_Humidity (%) |
| Air_Temperature (°C) |
| Boiler_Load (%) |
| Boiler_Type |
| Excess_Air (%) |
| Fuel_Moisture (%) |
| Fuel_Temperature (°C) |
| Fuel_Value (MJ/kg) |
| Gas_Temperature (°C) |

Point for Y-Axis

- Air_Humidity (%)
Air_Temperature (°C)
Boiler_Load (%)
Boiler_Type
Excess_Air (%)
Fuel_Moisture (%)
Fuel_Temperature (°C)
Fuel_Value (MJ/kg)
Gas_Temperature (°C)

Display Options

- Show Overview

Filters

Evaluations

Alonso

None

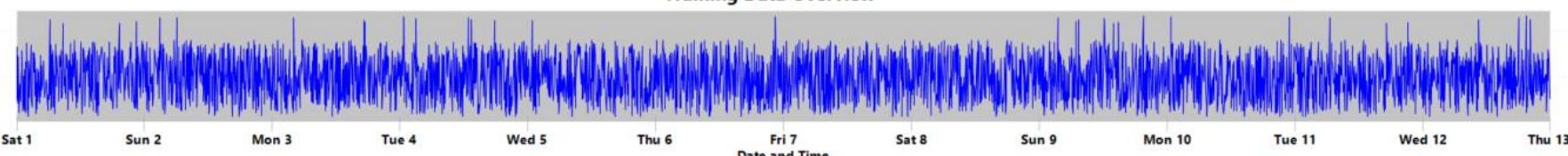
20

Outliers None

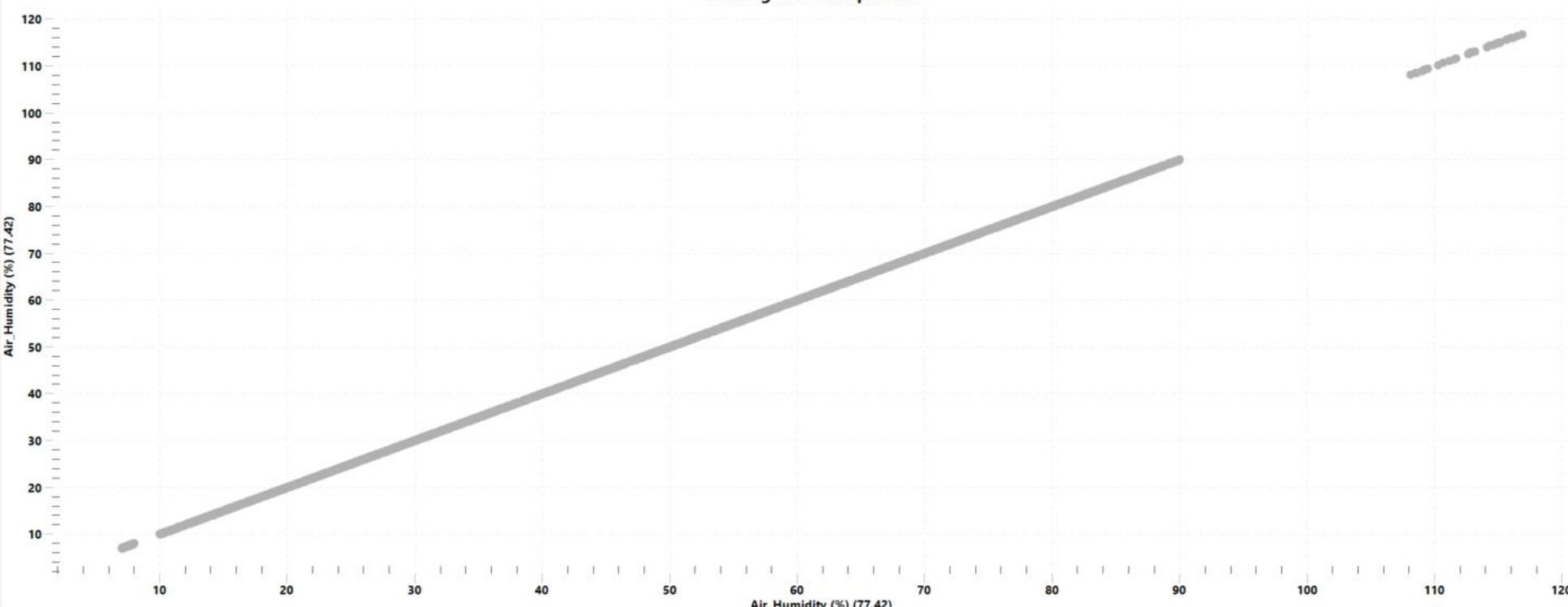
Data Selection/Editing

- Zoom
 - Select Overview
 - Select Comparison
 - Include
 - Exclude
 - Delete

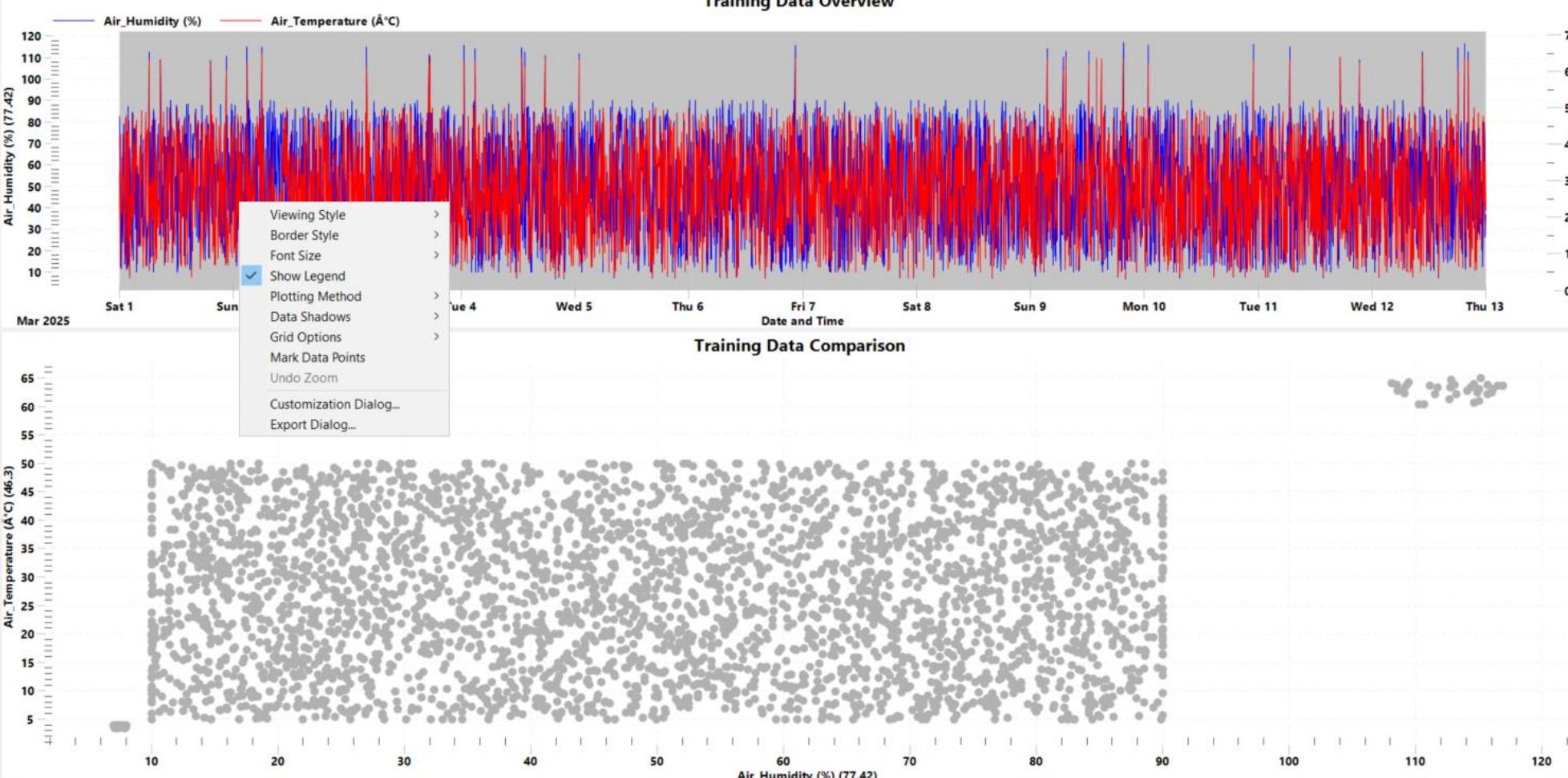
Training Data Overview



Training Data Comparison



Stat Trend: Training Data Correlation Statistics: Training Data Correlation: Training Data



- Viewing Style
 - Border Style
 - Font Size
 - Show Legend
 - Plotting Method
 - Data Shadows
 - Grid Options
 - Mark Data Points
 - Undo Zoom
 - Customization Dialog...
 - Export Dialog...

09:21
03-04-2025

Project

Project Points

- Air_Humidity (%)
- Air_Temperature (°C)
- Boiler_Load (%)
- Boiler_Type
- Excess_Air (%)
- Fuel_Moisture (%)
- Fuel_Temperature (°C)
- Fuel_Value (MJ/kg)
- Gas_Temperature (°C)
- Radiation_Losses (%)

Training Data

 Boiler_efficiency_w

Operational Profiles

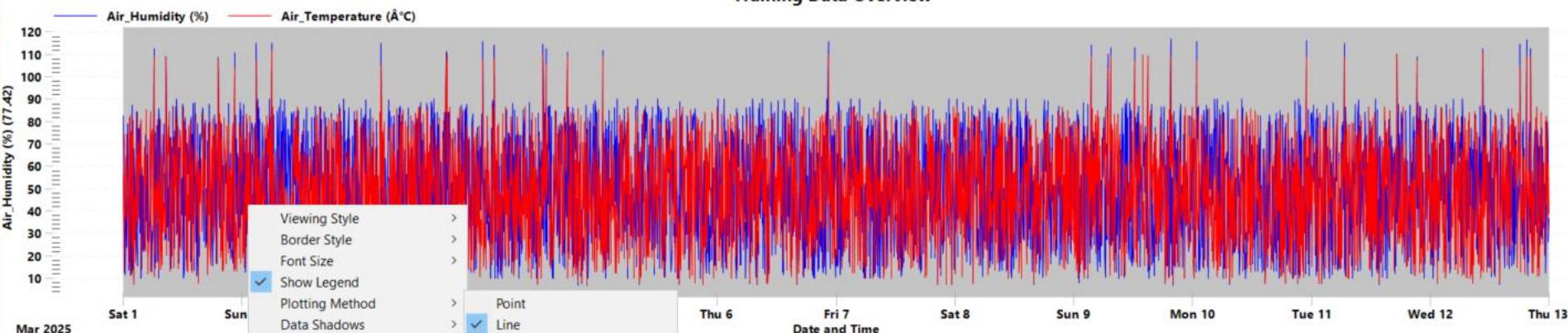
Filters

Alert Thresholds

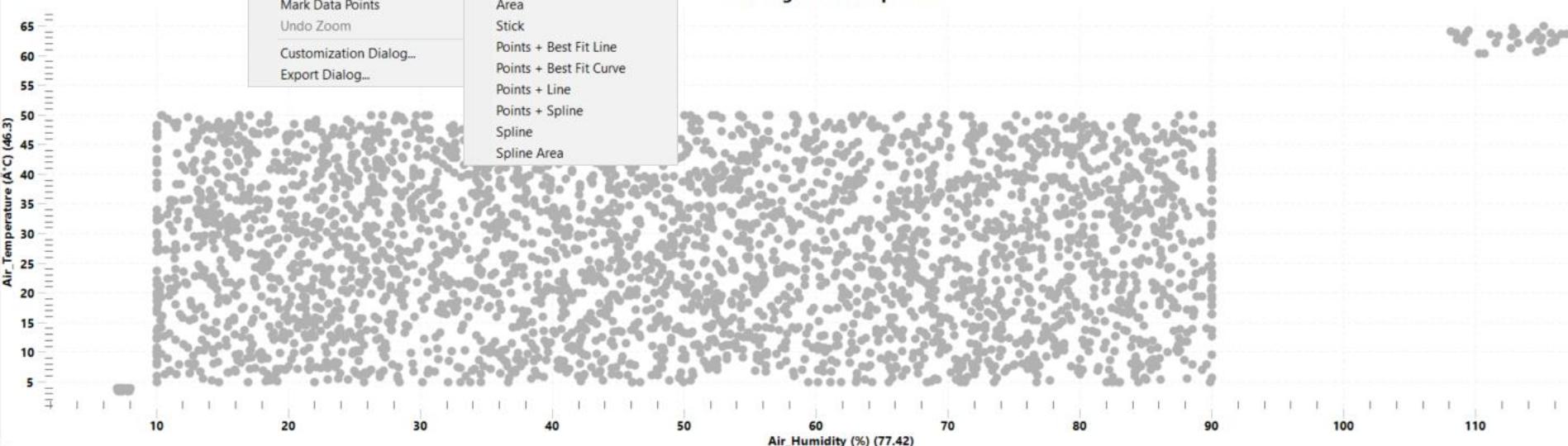
Notes

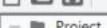
Start Trend: Training Data Correlation Statistics: Training Data Correlation: Training Data

Training Data Overview



Training Data Comparison





Project

- Project Points
 - Air_Humidity (%)
 - Air_Temperature (°C)
 - Boiler_Load (%)
 - Boiler_Type
 - Excess_Air (%)
 - Fuel_Moisture (%)
 - Fuel_Temperature (°A)
 - Fuel_Value (MJ/kg)
 - Gas_Temperature (°A)
 - Radiation_Losses (%)

- Training Data
 - Boiler_efficiency_W**
- Operational Profiles
- Filters
- Alert Thresholds
- Notes

Start Trend: Training Data Correlation Statistics: Training Data Correlation: Training Data

All Training Data

 Boiler_efficiency_with_random_ar

Point for X-Axis

Air_Humidity (%)

Air_Temperature (°C)

Boiler_Load (%)

Boiler_Type

Excess_Air (%)

Fuel_Moisture (%)

Fuel_Temperature (°A)

Fuel_Value (MJ/kg)

Gas_Temperature (°A)

Radiation_Losses (%)

Sat 1 Sun 2 Mon 3 Sat 8 Sun 9 Mon 10 Tue 11 Wed 12 Thu 13

Mar 2025

rison

65 60 55 50 45 40 35 30 25 20 15 10 5

Air_Temperature (°C) (46.3)

10 20 30 40 50 60 70 80 90 100 110 120

Air_Humidity (%) (77.42)

Display Options

 Show Overview Date and Time

Filters None

Exclusions Mark

Alerts None

Quality None

Outliers None

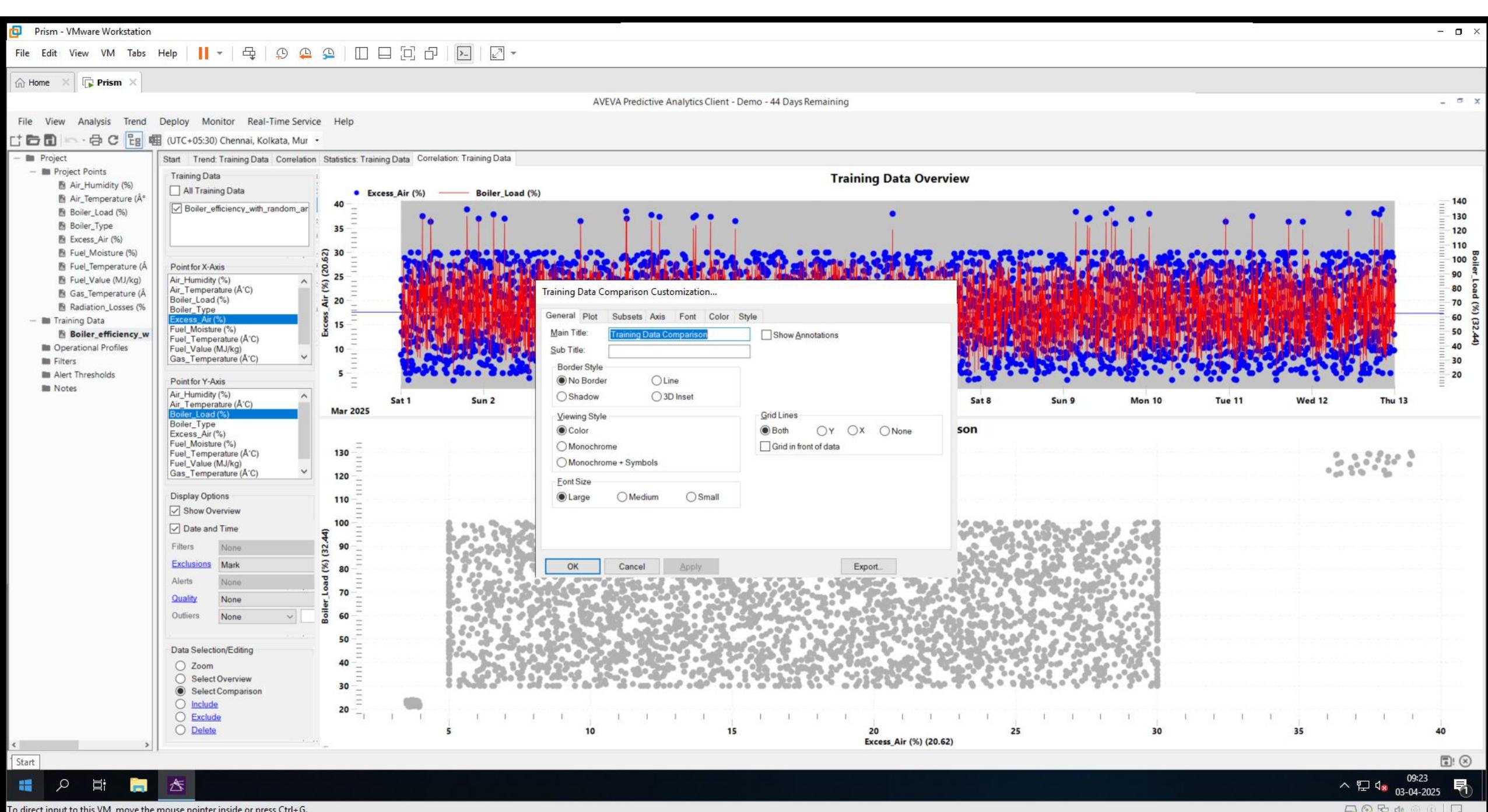
Data Selection/Editing

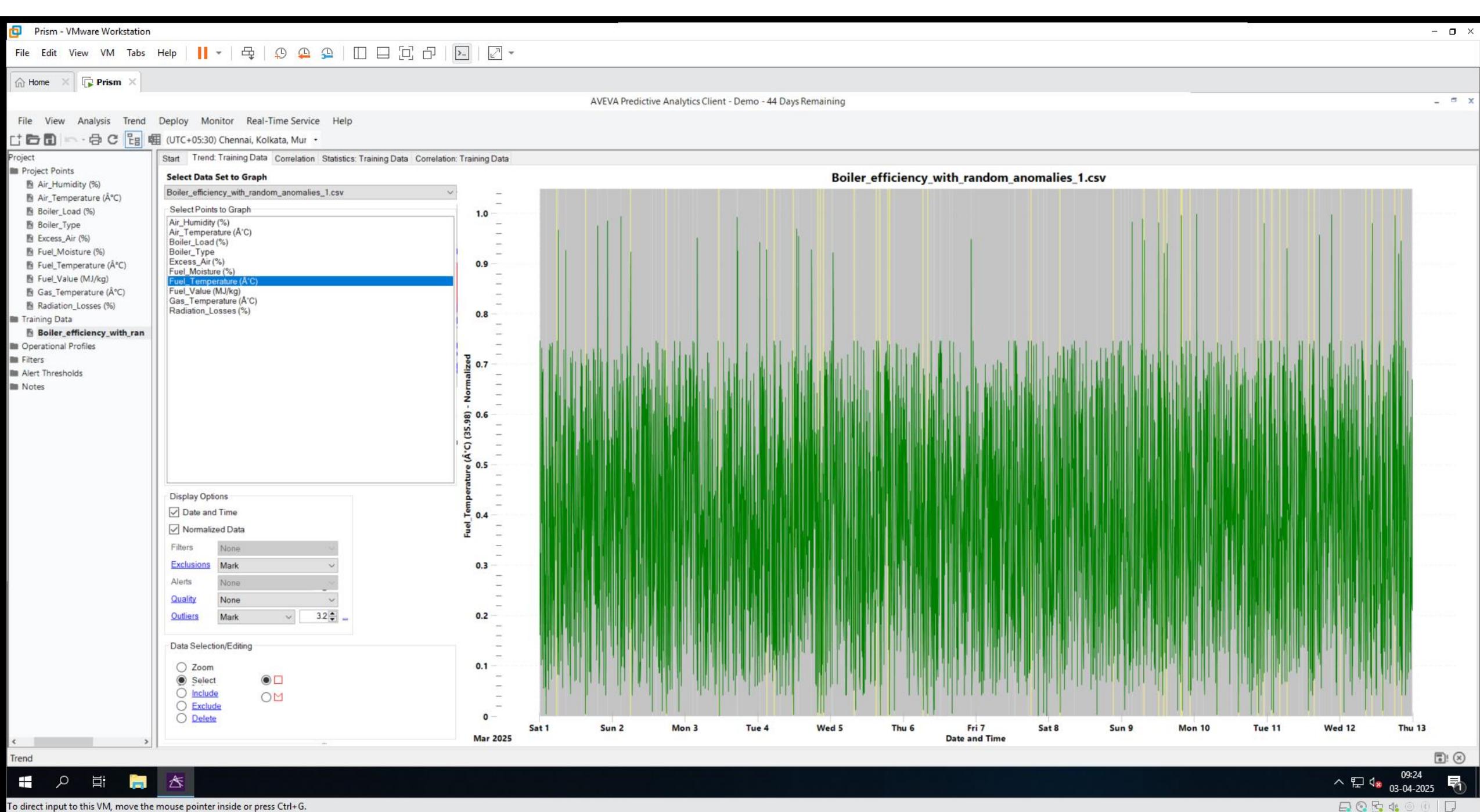
 Zoom Select Overview Select Comparison Include Exclude Delete

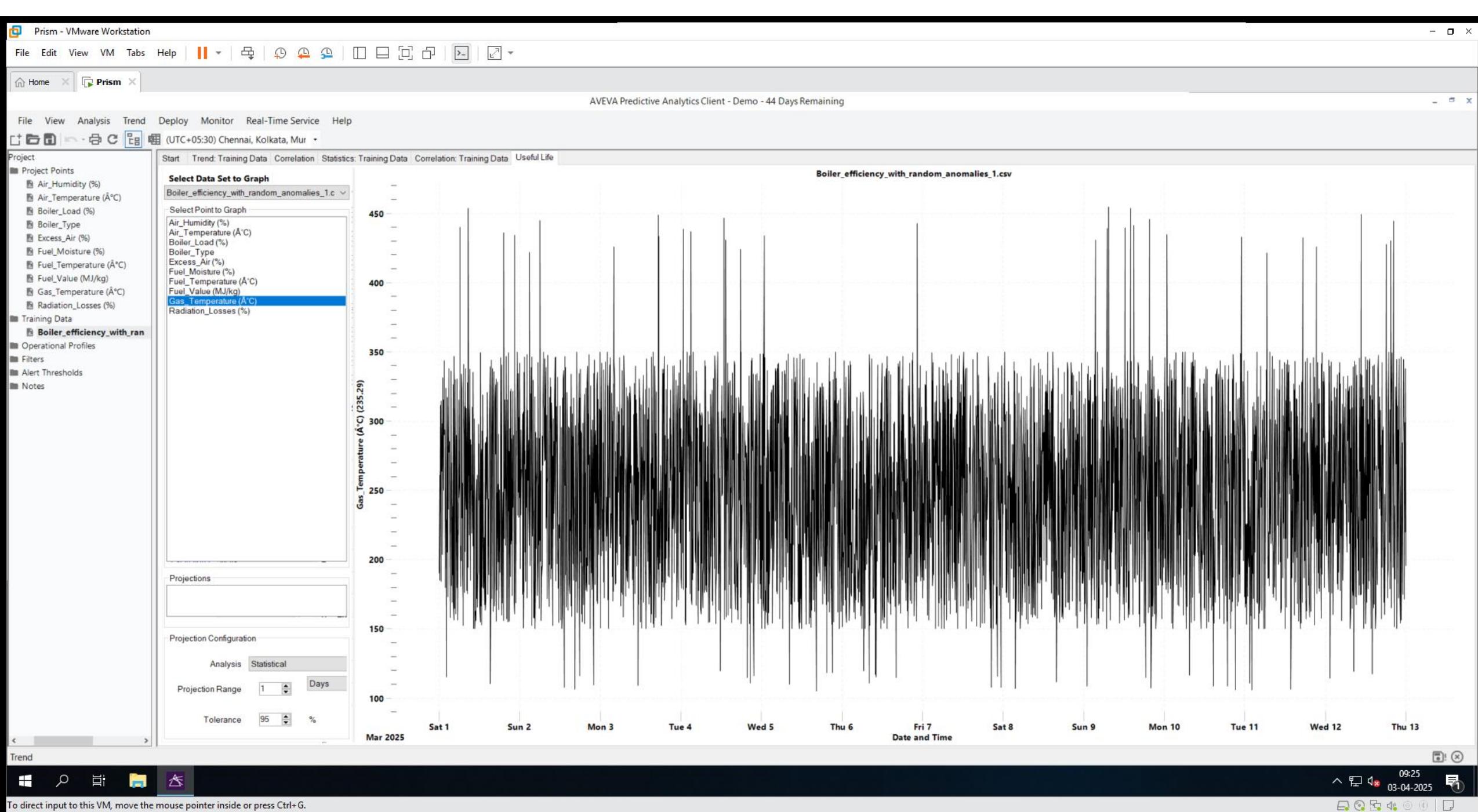
Training Data Overview

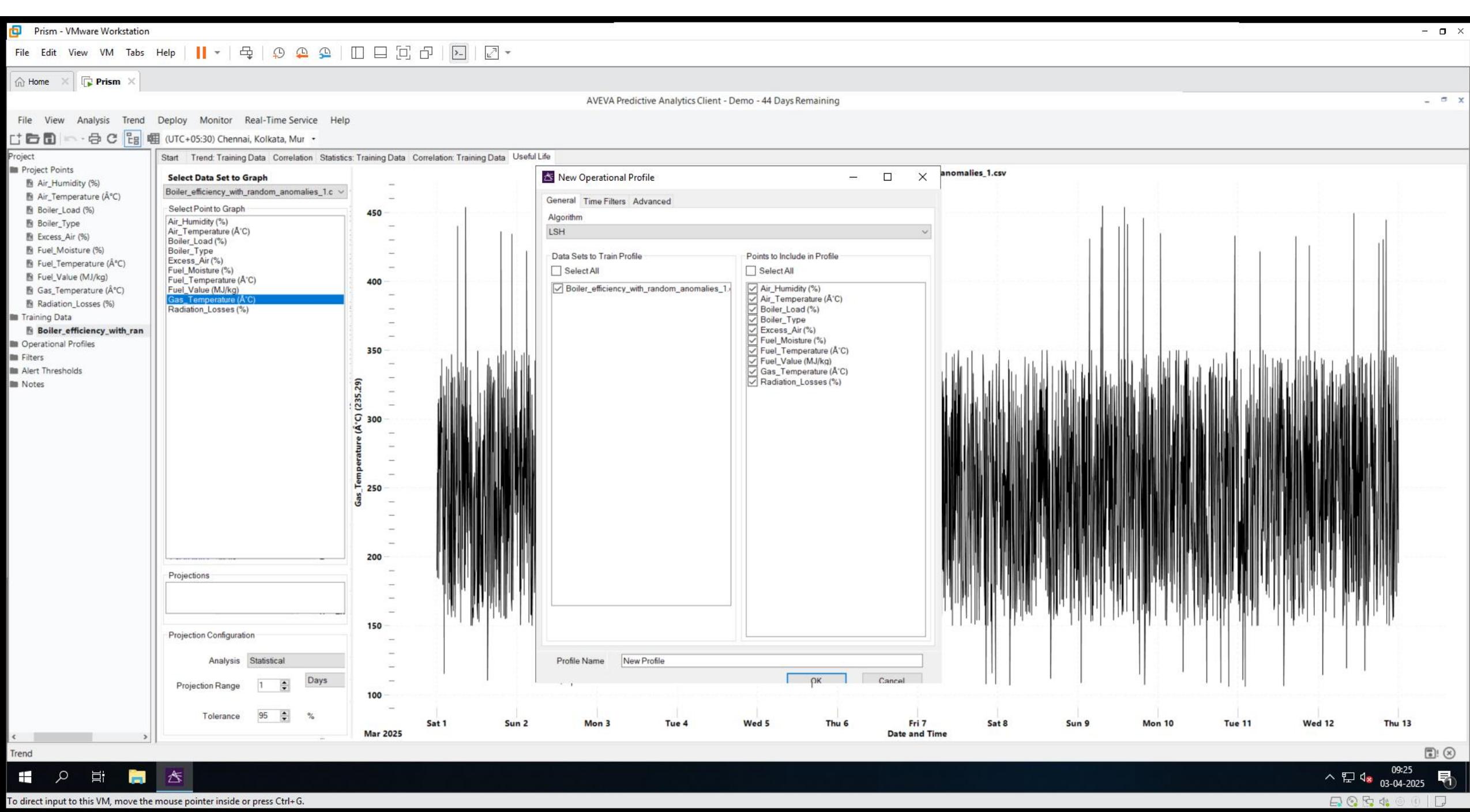
- Air_Humidity (%) (77.42) Air_Temperature (°C)
- Viewing Style
 - Color
 - Border Style
 - Font Size
 - Show Legend
 - Plotting Method
 - Data Shadows
 - Grid Options
 - Mark Data Points
 - Undo Zoom
 - Customization Dialog...
 - Export Dialog...

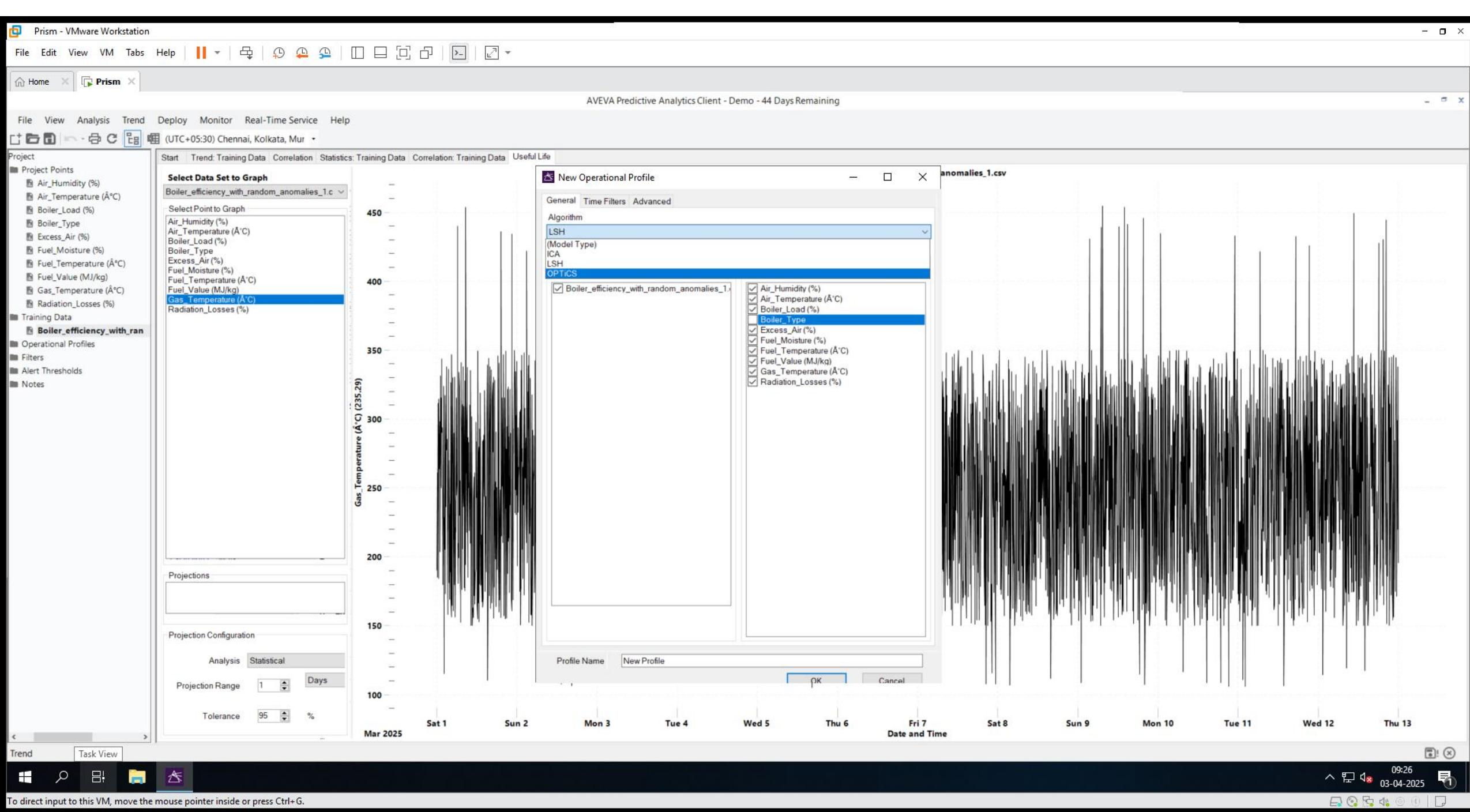
- Medium No Border
- Dark Inset
- Dark Shadow
- Dark Line
- Dark No Border

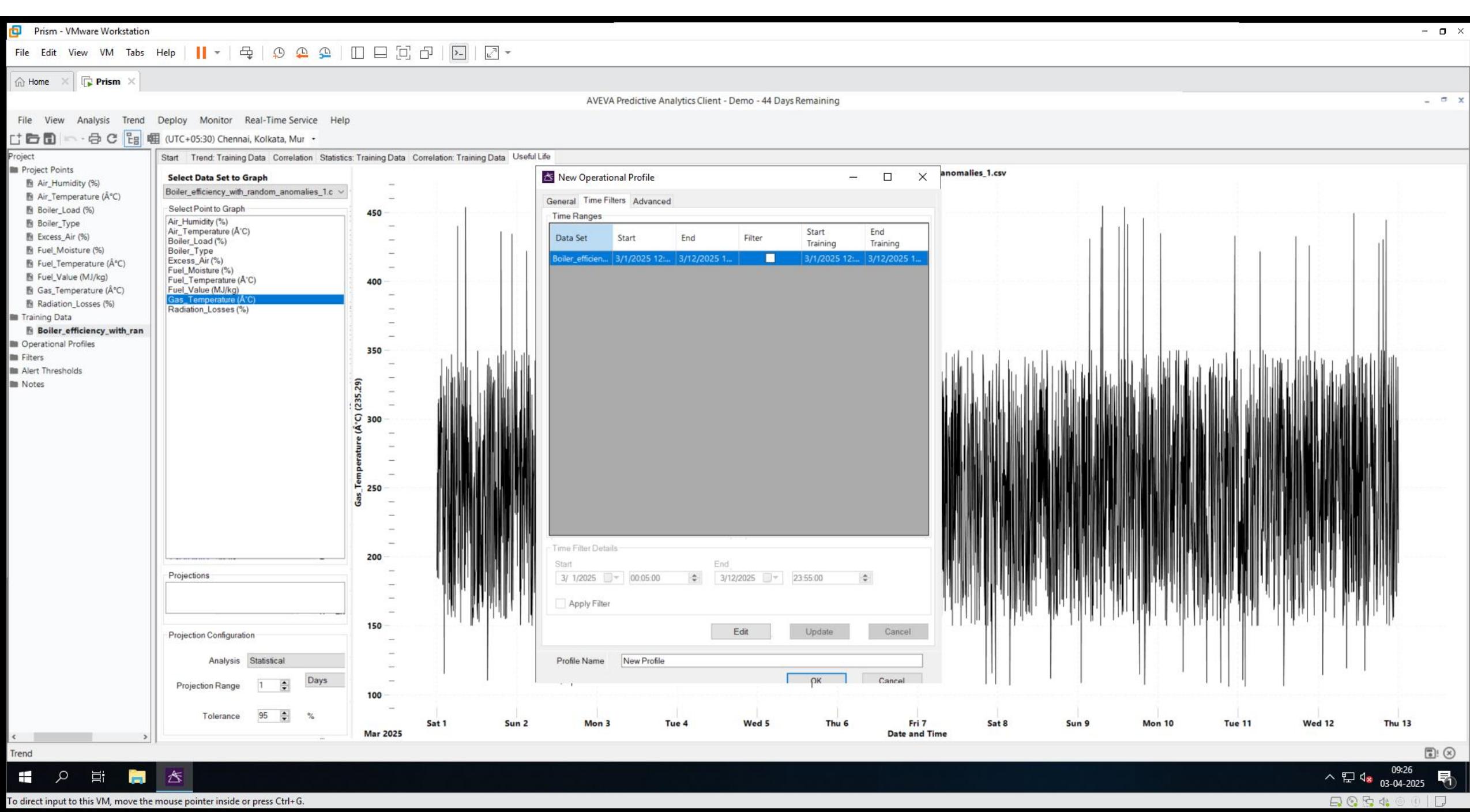


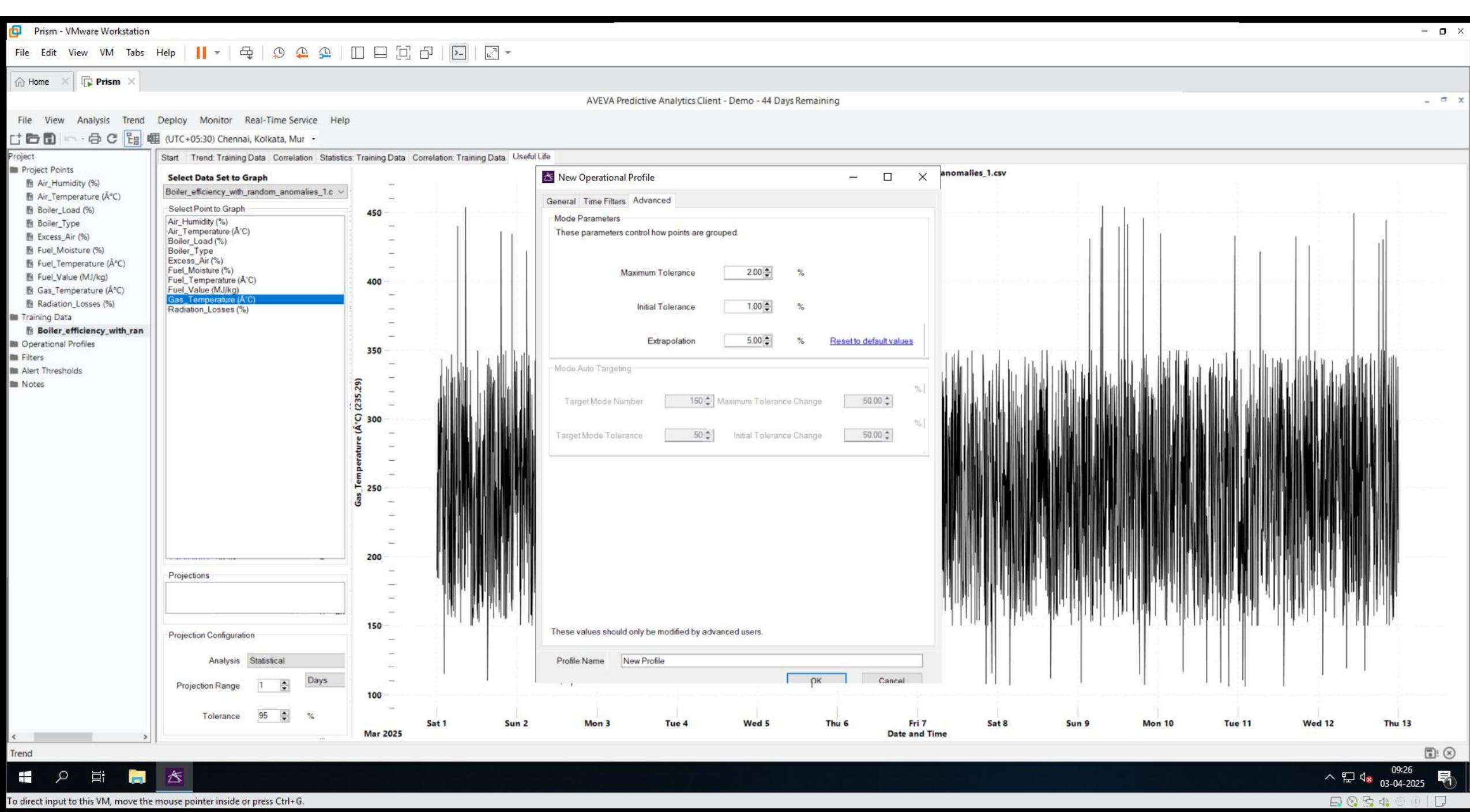






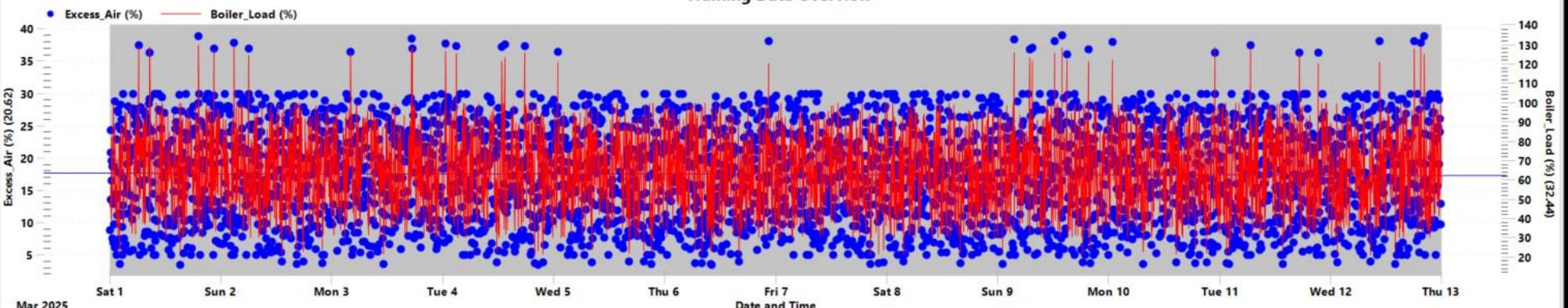




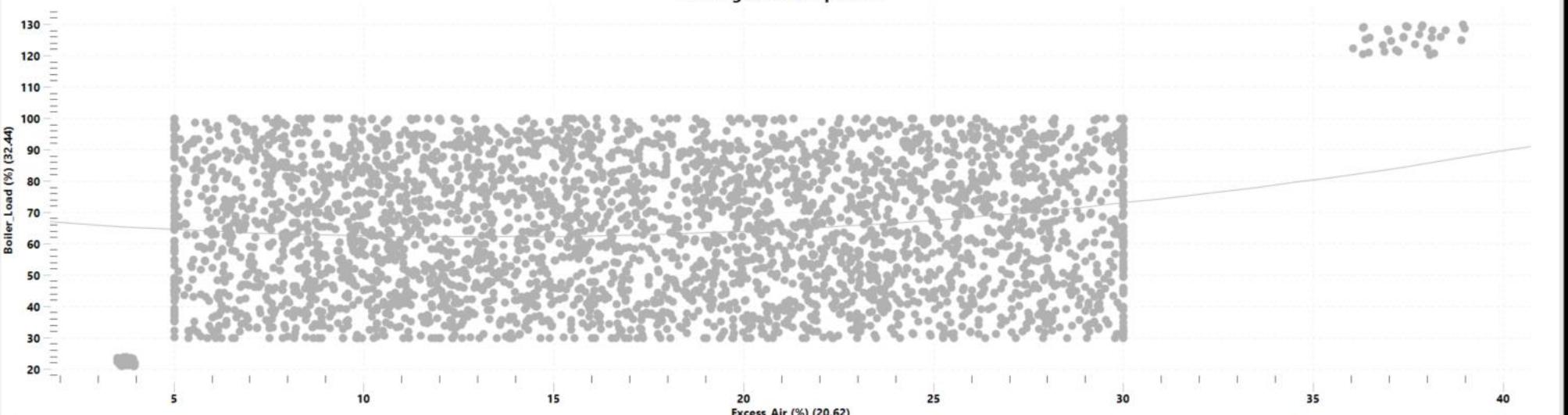


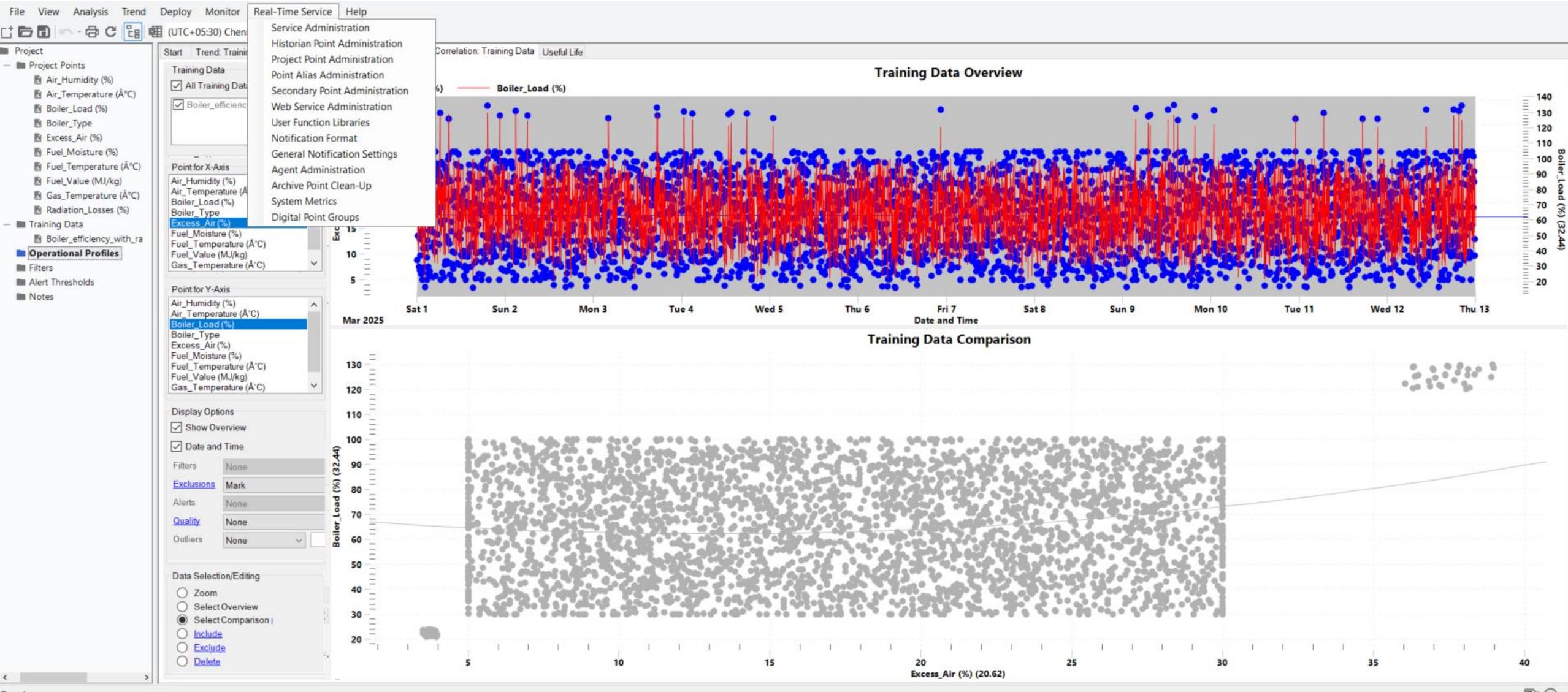
Start Trend: Training Data Correlation Statistics: Training Data Correlation: Training Data Useful Lif

Training Data Overview



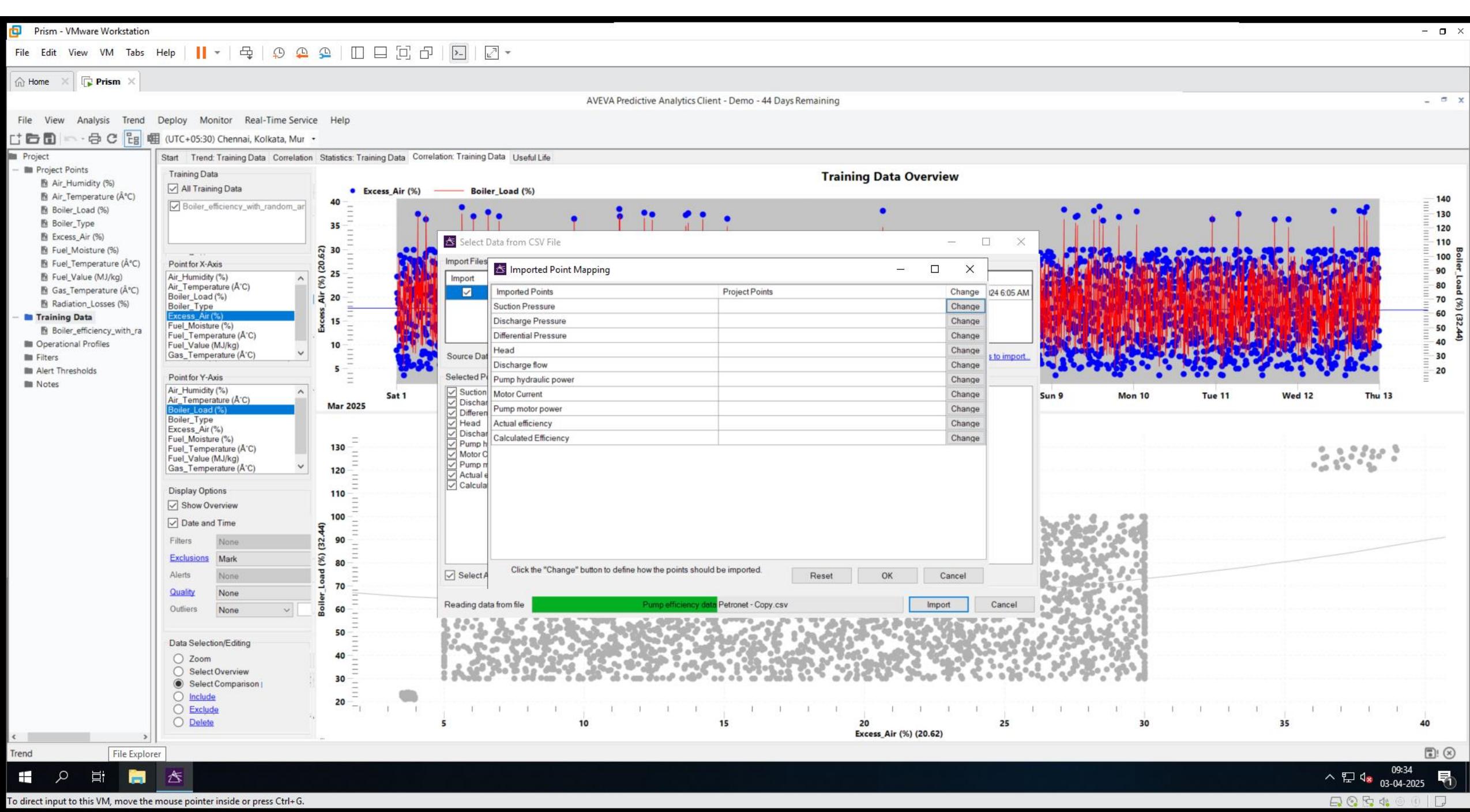
Training Data Comparison

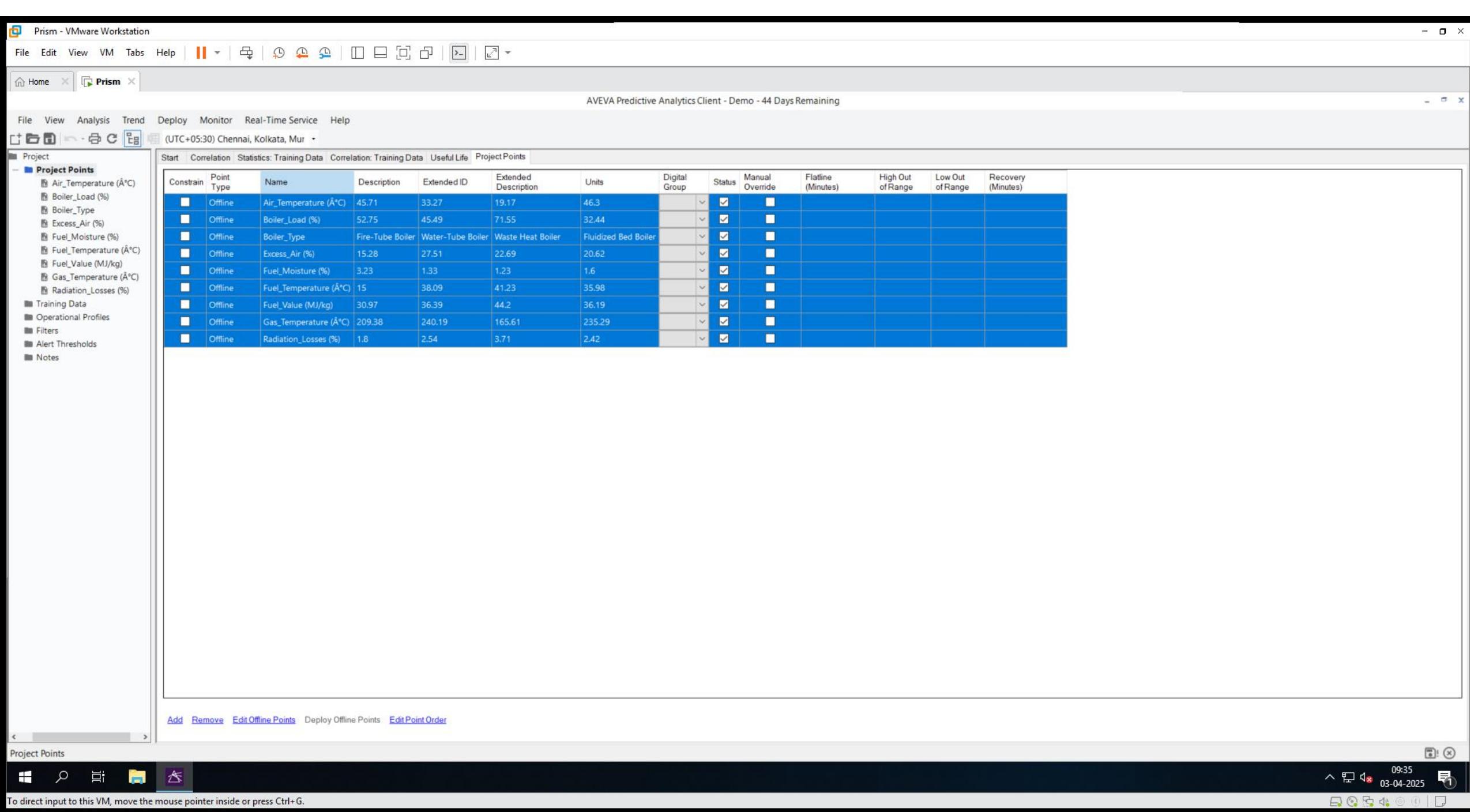




Trend







Boiler Project

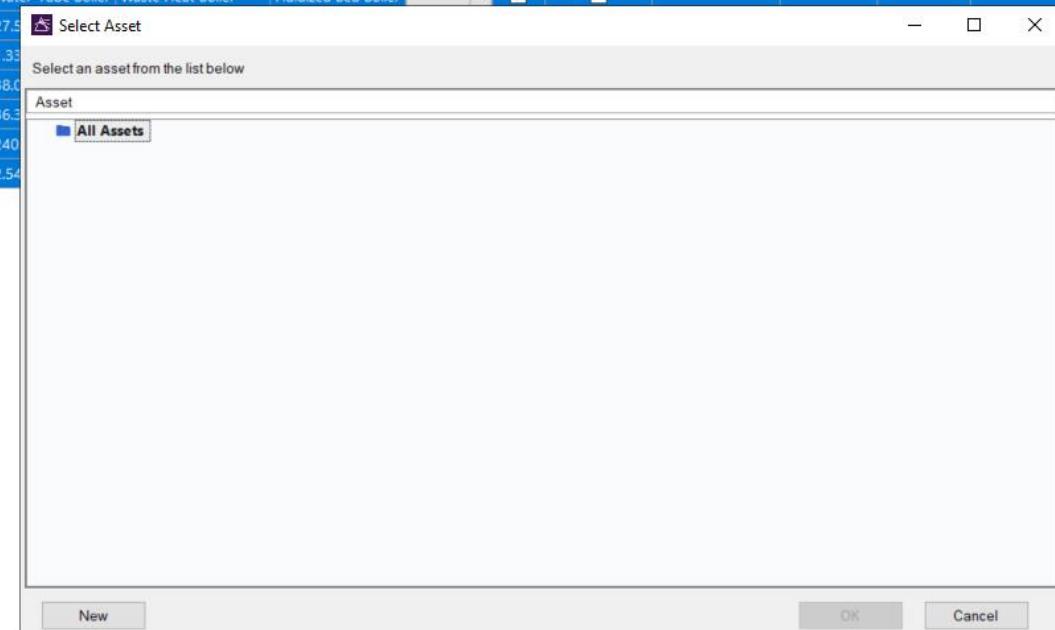
- Project Points
 - Air_Temperature (A°C)
 - Boiler_Load (%)
 - Boiler_Type
 - Excess_Air (%)
 - Fuel_Moisture (%)
 - Fuel_Temperature (A°C)
 - Fuel_Value (MJ/kg)
 - Gas_Temperature (A°C)
 - Radiation_Losses (%)

■ Training Data

■ Operational Profiles

Filters

■ Alert Thresholds

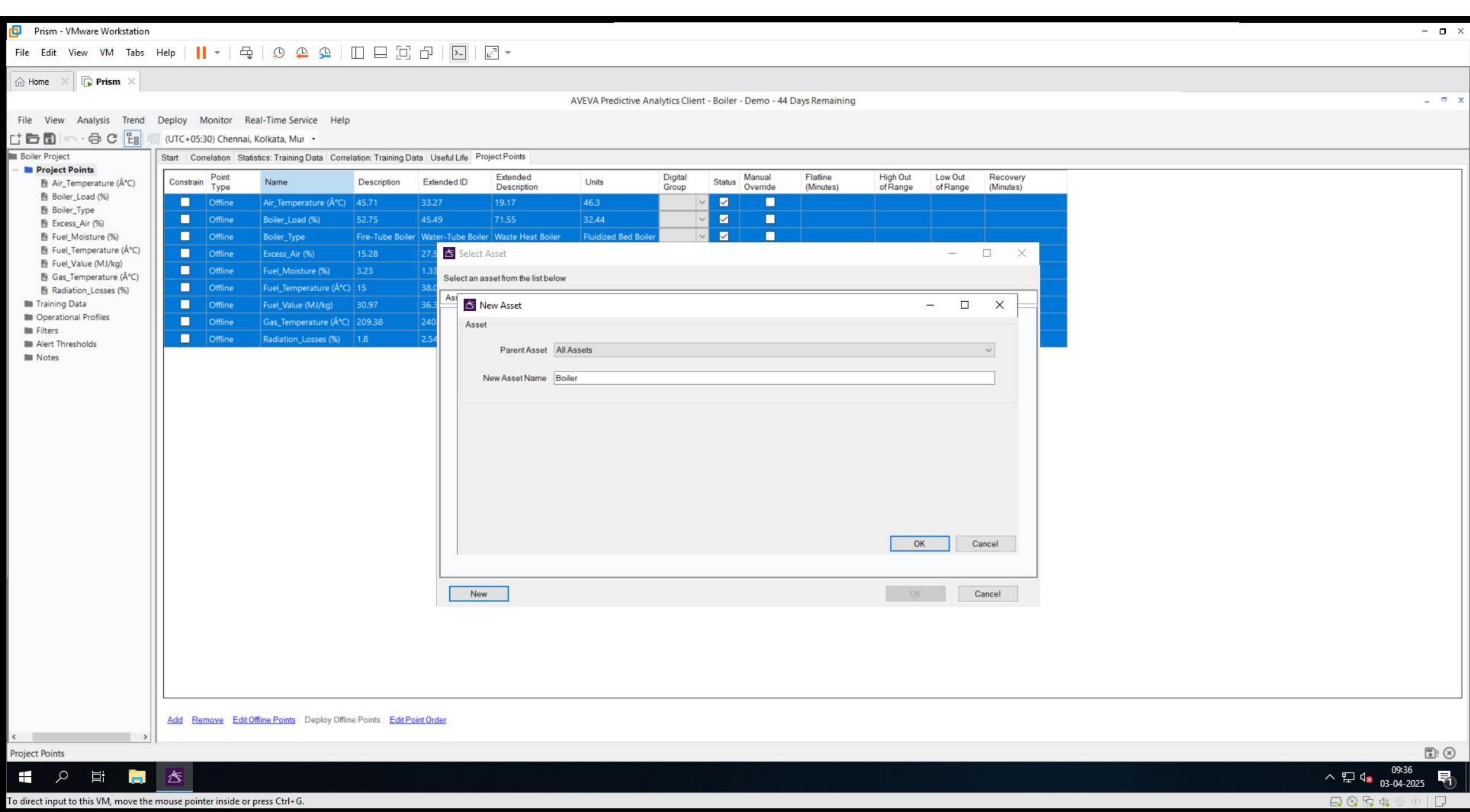


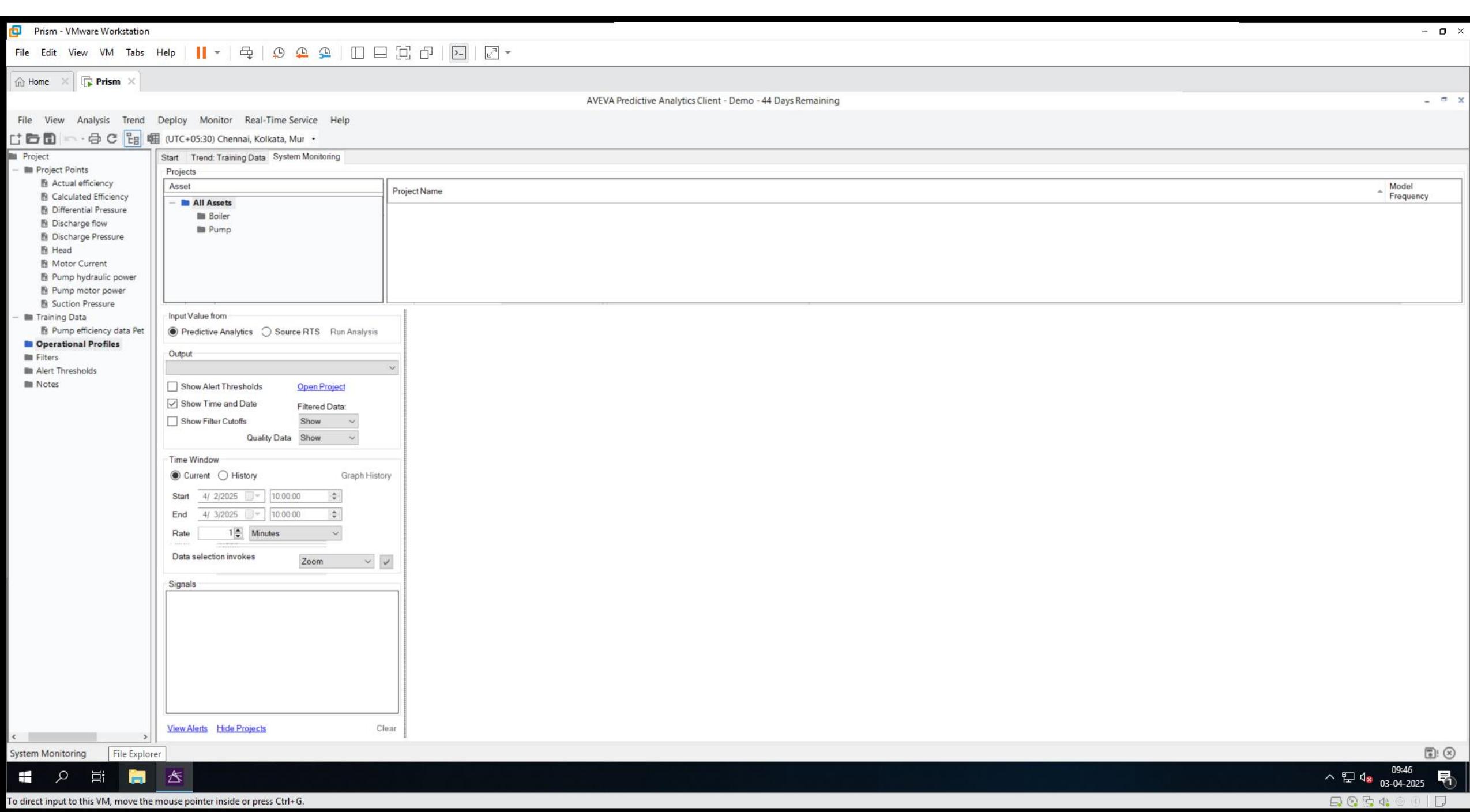
[Add](#) [Remove](#) [Edit Offline Points](#) [Deploy Offline Points](#) [Edit Point Order](#)

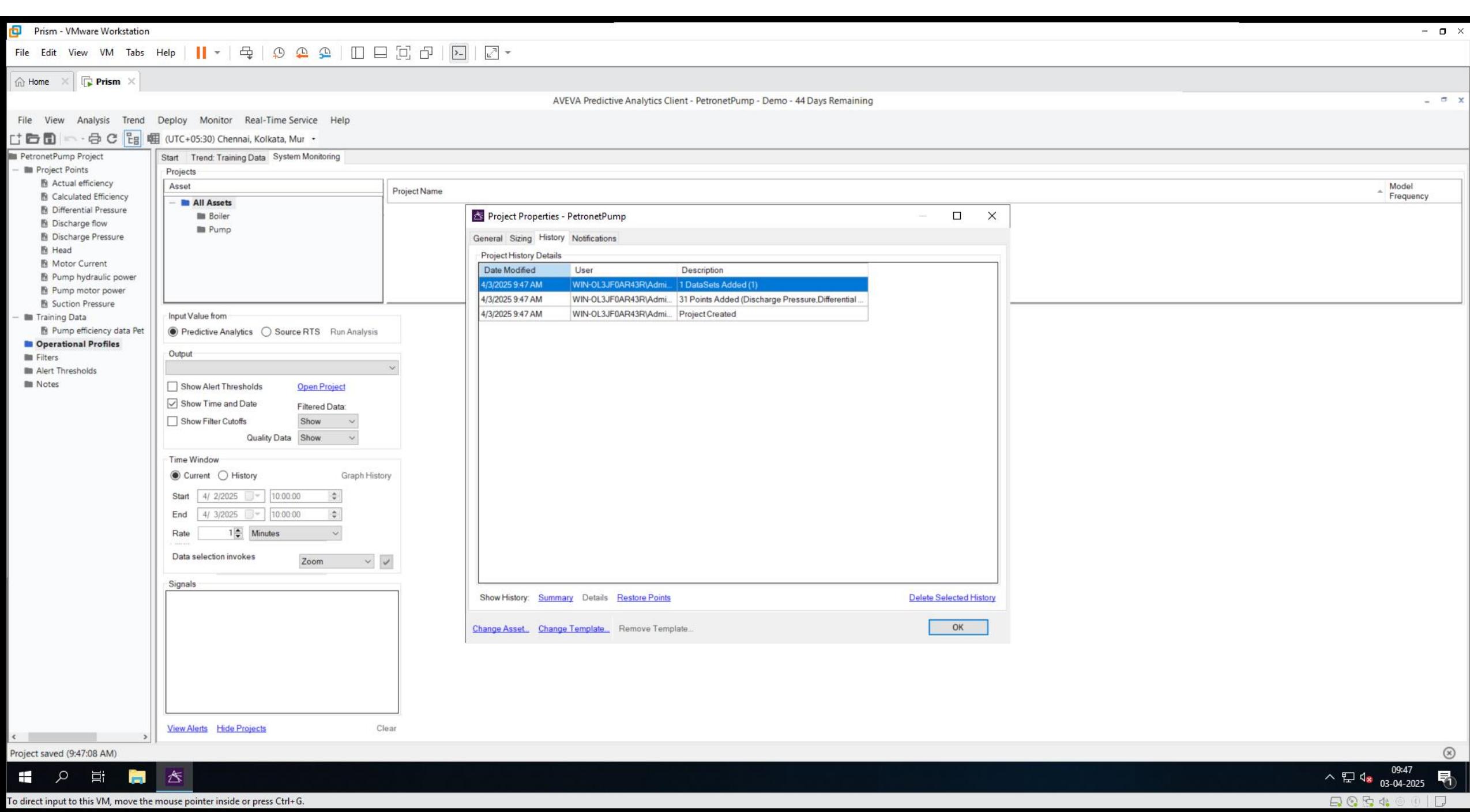
Project Points



To direct input to this VM, move the mouse pointer inside or press Ctrl+G.







- Actual efficiency
- Calculated Efficiency
- Differential Pressure
- Discharge flow
- Discharge Pressure
- Head
- Motor Current
- Pump hydraulic power
- Pump motor power
- Suction Pressure

Start Trend: Training Data System Monitoring Statistics: Training Data Correlation

Select Data Set to Graph

Pump efficiency data Petronet - Copy.csv

Select Points to Graph

- Actual efficiency
- Calculated Efficiency
- Differential Pressure
- Discharge flow
- Discharge Pressure
- Head
- Motor Current
- Pump hydraulic power
- Pump motor power
- Suction Pressure

Rename Training Set

Pet - Copy.csv

Copy Training Set

Delete Training Set

Import Data From

Export Data To

View Data

Graph Training Data

Correlation

Advanced Options

 Date and Time Normalized Data

Filters

Exclusions

Alerts

Quality

Outliers

Merge Data Sets

Reduce Fidelity

Remove Duplicate Timestamps

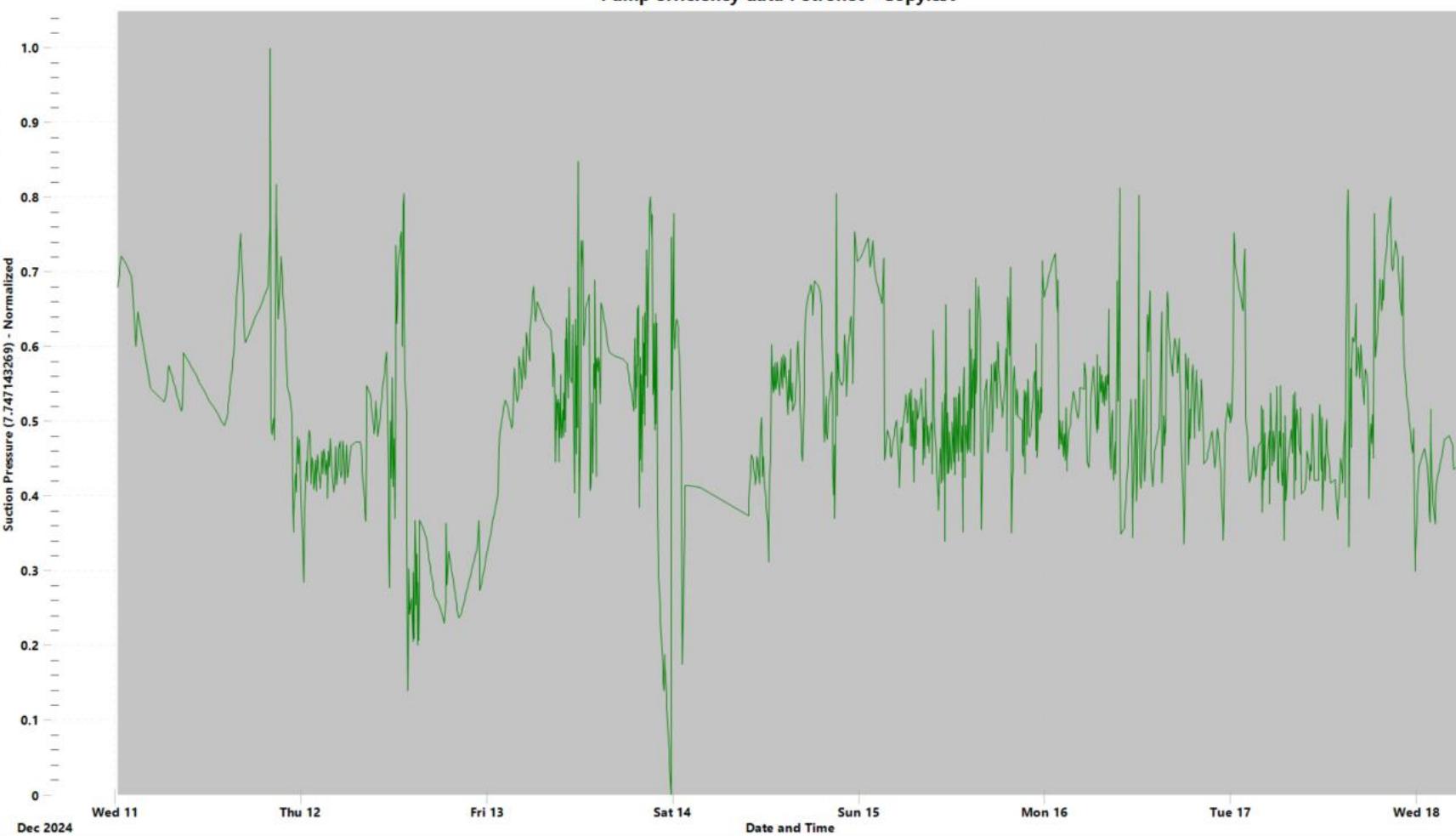
Force Calculation Points Update

Delete Multiple Training Sets

Data Selection/Editing

 Zoom Select Include Exclude Delete

Pump efficiency data Petronet - Copy.csv



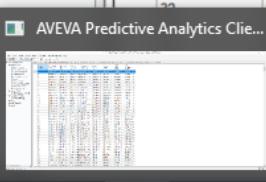
Correlation Results Updated (0.20 seconds)

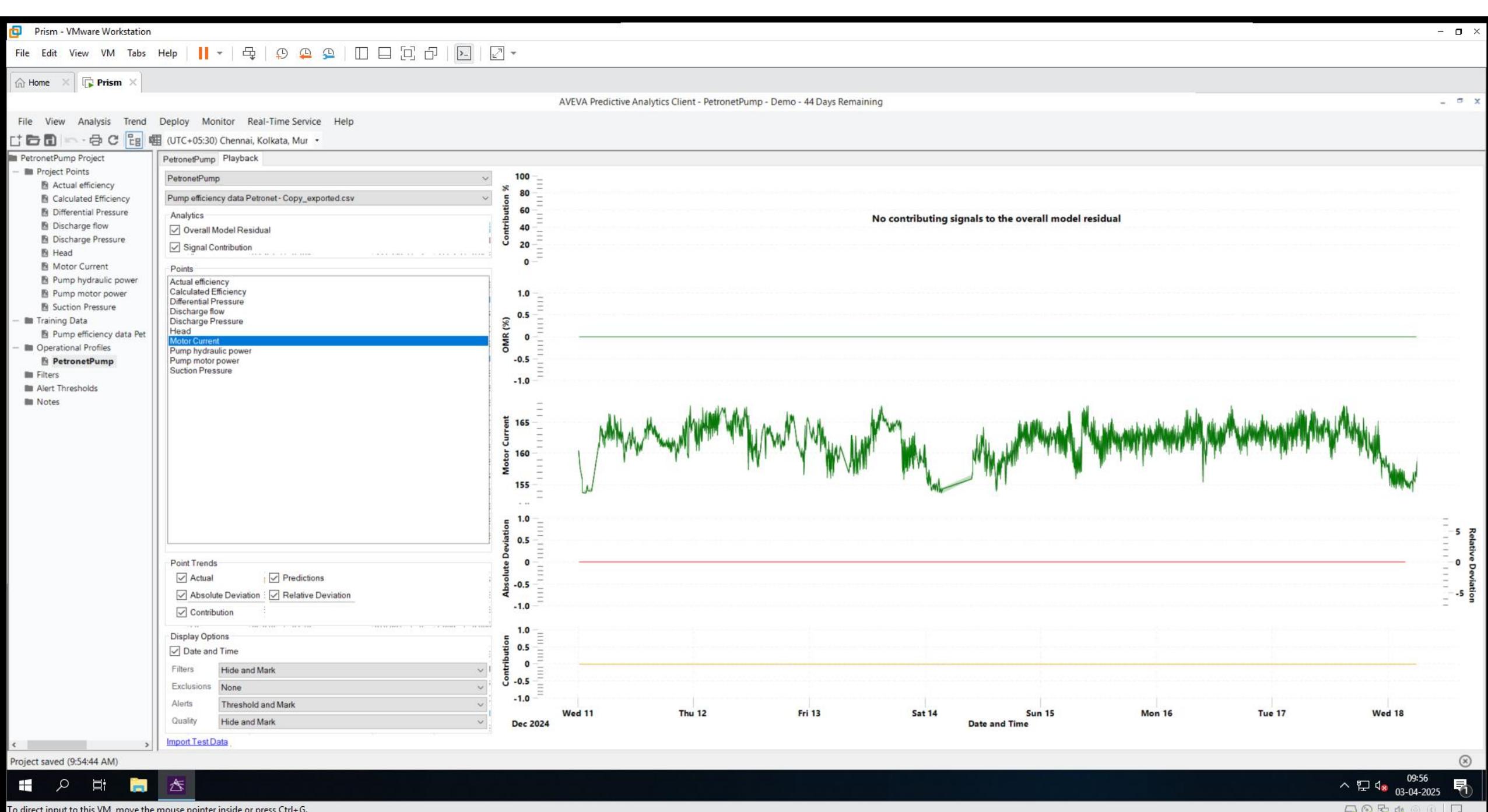
Start	Trend	Training Data	System Monitoring	Statistics: Training Data	Correlation	Pump efficiency data Petronet - Copy.csv						
Record Index	Timestamp	Actual efficiency	Calculated Efficiency	Differential Pressure	Discharge flow	Discharge Pressure	Head	Motor Current	Pump hydraulic power	Pump motor power	Suction Pressure	Excluded
0	12/11/2024 12:20:00 ...	67.99	0	90.411	376.64	98.164	2087.32	160.4	945.66	1391.78	7.7539	Excluded
1	12/11/2024 12:25:00 ...	67.519	0	91.261	367.26	99.031	2109.86	159.16	931.8	1381.65	7.7703	Excluded
2	12/11/2024 12:30:00 ...	67.229	0	90.004	371.38	97.791	2078.96	159	928.66	1379.73	7.7868	Excluded
3	12/11/2024 12:35:00 ...	67.054	0	90.111	367.14	97.915	2081.75	157.93	919.07	1370.91	7.8032	Excluded
4	12/11/2024 12:40:00 ...	67.189	0	90.387	368.19	98.206	2084.44	158.09	923.21	1372.07	7.8197	Excluded
5	12/11/2024 12:45:00 ...	66.892	0	91.878	359.72	99.714	2117.57	157.85	916.3	1370.29	7.8361	Excluded
6	12/11/2024 1:00:00 ...	66.403	0	92.505	349.5	100.34	2134.04	155.8	897.36	1351.43	7.832	Excluded
7	12/11/2024 1:05:00 ...	65.393	0	92.774	338.44	100.6	2144.8	153.76	873.21	1333.67	7.8282	Excluded
8	12/11/2024 1:20:00 ...	65.873	0	92.676	341.63	100.49	2141.33	153.92	880.23	1335.63	7.8168	Excluded
9	12/11/2024 1:35:00 ...	66.046	0	91.716	346.49	99.521	2121.04	154.19	884.32	1338.95	7.8054	Excluded
10	12/11/2024 1:50:00 ...	66.148	0	91.718	345.86	99.516	2117.36	153.66	880.89	1334.19	7.7979	Excluded
11	12/11/2024 2:05:00 ...	65.500	0	92.555	344.11	100.35	2130.84	154.06	882.04	1337.36	7.7941	Excluded
12	12/11/2024 2:20:00 ...	65.827	0	92.704	341.96	100.49	2141.95	153.95	881.17	1335.9	7.7903	Excluded
13	12/11/2024 2:35:00 ...	66.133	0	91.036	353.77	98.818	2104.36	154.97	895.6	1344.77	7.7827	Excluded
14	12/11/2024 2:50:00 ...	66.012	0	92.909	342.05	100.67	2144.07	154.03	882.43	1336.93	7.7566	Excluded
15	12/11/2024 2:25:00 ...	65.97	0	92.92	343.24	100.6	2139.99	154.42	883.59	1339.56	7.6758	Excluded
16	12/11/2024 2:40:00 ...	65.958	0	92.6	343.64	100.19	2133.53	154.36	882.11	1339.39	7.5951	Excluded
17	12/11/2024 2:55:00 ...	65.964	0	92.63	342.98	100.32	2138.98	154	882.58	1337.15	7.6872	Excluded
18	12/11/2024 3:00:00 ...	68.835	0	89.491	388.8	96.976	2064.65	161.7	965.65	1403.06	7.4849	Excluded
19	12/11/2024 3:15:00 ...	68.21	0	91.147	376.36	98.63	2102.92	160.95	952.44	1397	7.4831	Excluded
20	12/11/2024 4:00:00 ...	68.816	0	88.714	392.53	96.196	2046.65	161.95	966.41	1405.81	7.4814	Excluded
21	12/11/2024 4:45:00 ...	68.907	0	88.86	398.37	96.339	2047.1	163.93	981.17	1422.72	7.4797	Excluded
22	12/11/2024 4:50:00 ...	69.052	0	89.844	395.87	97.322	2072.79	164.5	987.02	1428	7.478	Excluded
23	12/11/2024 4:55:00 ...	68.952	0	89.805	393.9	97.281	2075.38	163.94	983.6	1423.69	7.4762	Excluded
24	12/11/2024 5:00:00 ...	68.989	0	89.005	395.29	96.48	2058.88	163.55	979.02	1419.19	7.4745	Excluded
25	12/11/2024 5:05:00 ...	68.699	0	88.534	393.62	96.007	2046.33	162.74	968.93	1412.44	7.4728	Excluded
26	12/11/2024 5:10:00 ...	68.793	0	89.155	395.6	96.626	2057.12	163.97	978.9	1422.45	7.4711	Excluded
27	12/11/2024 5:15:00 ...	68.247	0	90.17	384.86	97.639	2085.38	162.82	965.43	1413.27	7.4694	Excluded
28	12/11/2024 5:20:00 ...	68.293	0	88.55	388.05	96.017	2043.82	161.38	954.13	1400.04	7.4676	Excluded
29	12/11/2024 5:25:00 ...	68.511	0	88.654	392.46	96.119	2048.32	162.95	967.86	1414.12	7.4659	Excluded
30	12/11/2024 5:30:00 ...	67.951	0	90.023	384.09	97.487	2080.31	162.83	961.2	1412.53	7.4642	Excluded
31	12/11/2024 5:35:00 ...	68.108	0	90.202	383.29	97.665	2085.25	162.51	961.62	1409.82	7.4625	Excluded
32	12/11/2024 5:40:00 ...	67.618	0	89.064	380.4	96.524	2060.31	160.92	942.9	1396.55	7.4607	Excluded
33	12/11/2024 5:45:00 ...	67.575	0	88.741	385.78	96.2	2048.84	161.85	950.79	1404.46	7.459	Excluded
34	12/11/2024 5:50:00 ...	67.974	0	89.985	386.62	97.442	2074.95	163.62	965.07	1419.58	7.4573	Excluded
35	12/11/2024 5:55:00 ...	67.339	0	90.341	377.66	97.796	2087.66	162.36	948.51	1408.85	7.4556	Excluded
36	12/11/2024 6:00:00 ...	67.571	0	89.444	383.57	96.898	2064.87	162.56	952.57	1409.91	7.4538	Excluded

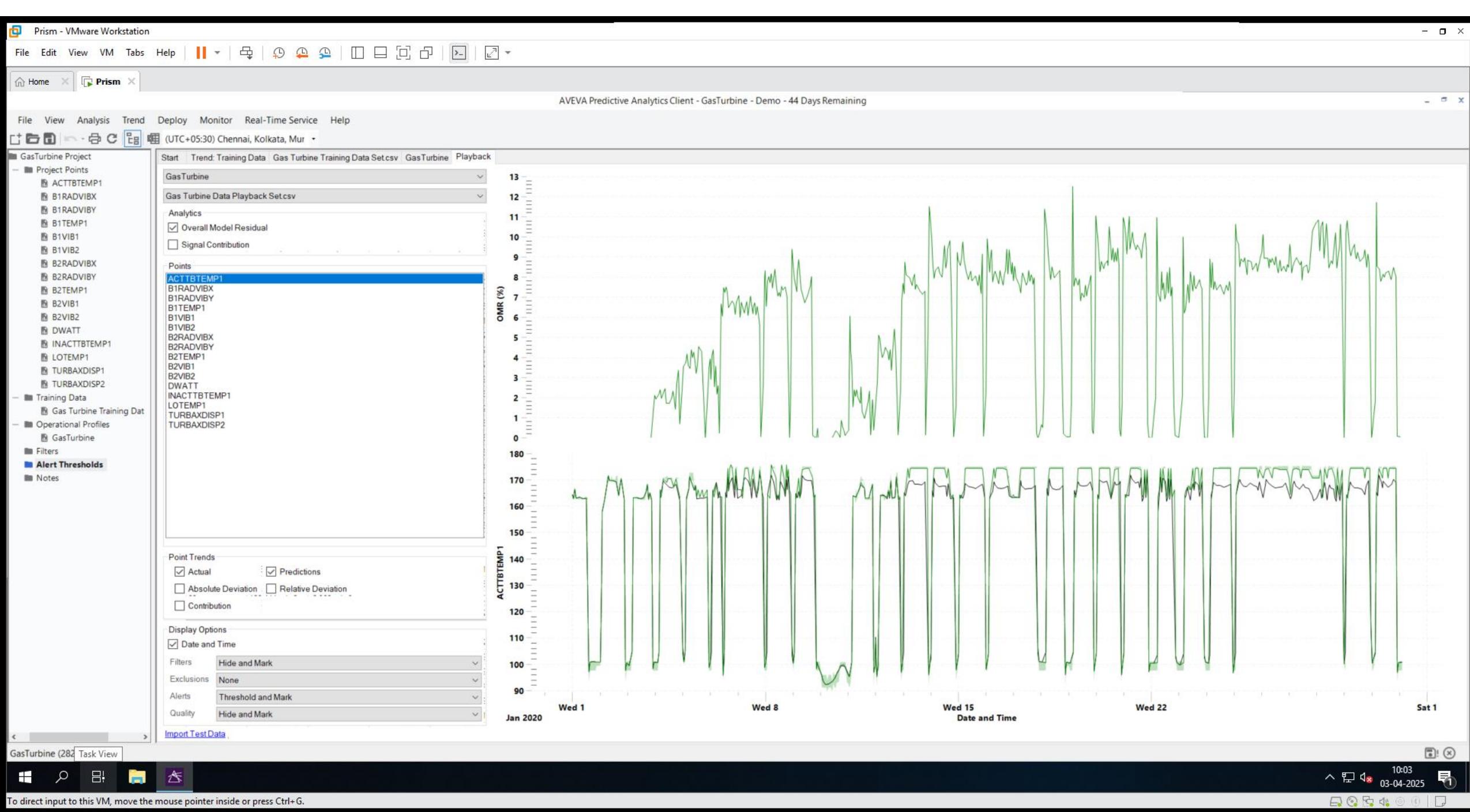
Pump efficiency data Petronet - Copy.csv (1906 Records)

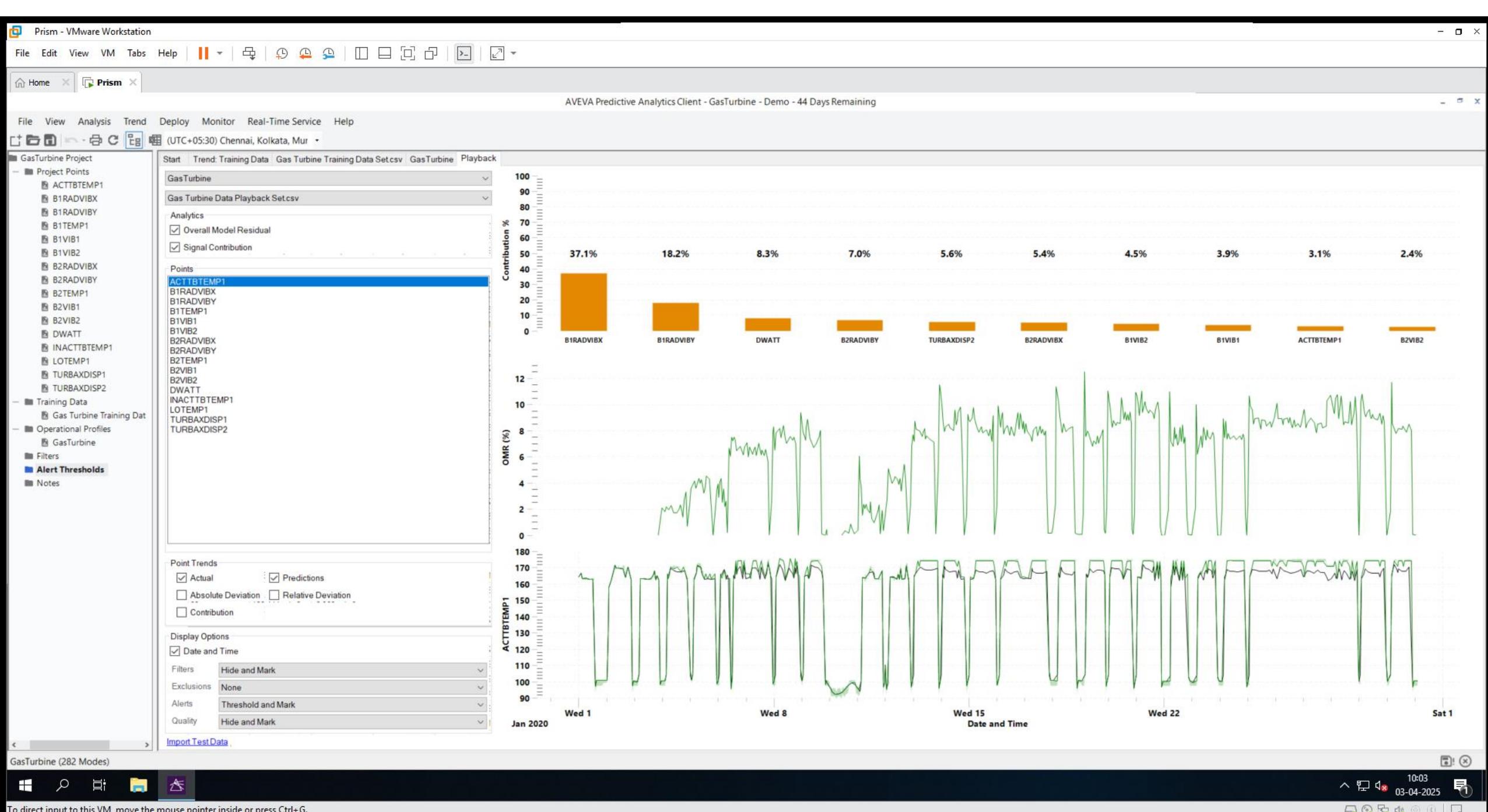
Start	Trend: Training Data	System Monitoring	Statistics: Training Data	Correlation	Pump efficiency data Petronet - Copy.csv	Pump efficiency data Petronet - Copy_exported.csv	PetronetPump		
	Mode	Differential Pressure	Discharge flow	Suction Pressure	Discharge Pressure	Motor Current	Head	Pump motor power	Pump hydraulic power
▶	1	93.087 +/- 0.2	366.071 +/- 1	6.971 +/- 0.063	100.021 +/- 0	161.902 +/- 0	2066.571 +/- ...	1405.389 +/- ...	948.003 +/- 4
	2	92.986 +/- 0.1	377.314 +/- 1	6.895 +/- 0.028	99.864 +/- 0.1	164.989 +/- 0	2054.835 +/- ...	1431.990 +/- ...	976.248 +/- 3
	3	92.590 +/- 0.2	355.729 +/- 2	7.292 +/- 0.064	99.891 +/- 0.2	158.994 +/- 0	2059.027 +/- ...	1379.645 +/- ...	916.238 +/- 3
	4	92.351 +/- 0.1	377.270 +/- 2	7.552 +/- 0.066	99.921 +/- 0.2	162.945 +/- 0	2061.899 +/- ...	1413.885 +/- ...	970.054 +/- 3
	5	92.492 +/- 0.2	373.537 +/- 2	7.636 +/- 0.066	100.067 +/- 0	165.258 +/- 0	2042.257 +/- ...	1434.275 +/- ...	960.023 +/- 4
	6	92.705 +/- 0.0	352.379 +/- 1	7.236 +/- 0.049	99.927 +/- 0.0	156.608 +/- 0	2133.172 +/- ...	1359.463 +/- ...	907.794 +/- 3
	7	92.173 +/- 0.2	380.329 +/- 1	7.815 +/- 0.061	99.983 +/- 0.1	163.997 +/- 0	2058.055 +/- ...	1423.256 +/- ...	973.746 +/- 4
	8	93.033 +/- 0.2	374.091 +/- 2	7.144 +/- 0.067	100.224 +/- 0	163.235 +/- 0	2056.592 +/- ...	1416.892 +/- ...	964.336 +/- 3
	9	92.687 +/- 0.2	372.699 +/- 1	7.565 +/- 0.010	100.245 +/- 0	163.687 +/- 0	2048.415 +/- ...	1420.543 +/- ...	959.295 +/- 4
	10	92.686 +/- 0.1	372.119 +/- 2	7.334 +/- 0.059	100.037 +/- 0	164.404 +/- 0	2063.405 +/- ...	1426.655 +/- ...	958.170 +/- 4
	11	93.006 +/- 0.2	369.487 +/- 1	7.165 +/- 0.051	100.157 +/- 0	162.101 +/- 0	2056.450 +/- ...	1406.688 +/- ...	955.473 +/- 4
	12	92.336 +/- 0.1	378.870 +/- 2	7.625 +/- 0.066	99.898 +/- 0.1	163.789 +/- 0	2052.072 +/- ...	1421.523 +/- ...	971.590 +/- 3
	13	92.285 +/- 0.0	383.139 +/- 0	7.740 +/- 0.053	100.047 +/- 0	166.702 +/- 0	2060.818 +/- ...	1447.162 +/- ...	981.628 +/- 1
	14	92.439 +/- 0.2	376.300 +/- 2	7.415 +/- 0.068	99.836 +/- 0.2	163.275 +/- 0	2061.593 +/- ...	1416.727 +/- ...	967.040 +/- 5
	15	92.439 +/- 0.1	380.329 +/- 2	7.577 +/- 0.060	100.023 +/- 0	165.105 +/- 0	2054.704 +/- ...	1432.621 +/- ...	974.813 +/- 4
	16	92.255 +/- 0.1	376.650 +/- 2	7.785 +/- 0.052	100.069 +/- 0	162.978 +/- 0	2057.826 +/- ...	1414.767 +/- ...	965.893 +/- 5
	17	92.525 +/- 0.2	350.610 +/- 1	7.313 +/- 0.048	99.838 +/- 0.2	155.618 +/- 0	2059.813 +/- ...	1350.153 +/- ...	900.287 +/- 2
	18	92.175 +/- 0.0	363.669 +/- 0	7.756 +/- 0.013	99.927 +/- 0.0	158.386 +/- 0	2057.247 +/- ...	1374.984 +/- ...	932.693 +/- 2
	19	92.494 +/- 0.2	379.960 +/- 1	7.491 +/- 0.067	99.932 +/- 0.2	163.743 +/- 0	2063.121 +/- ...	1420.971 +/- ...	975.275 +/- 3
	20	92.760 +/- 0.2	374.011 +/- 2	7.411 +/- 0.059	100.149 +/- 0	162.265 +/- 0	2064.956 +/- ...	1408.617 +/- ...	961.538 +/- 4
	21	92.429 +/- 0.2	380.671 +/- 1	7.386 +/- 0.069	99.845 +/- 0.2	164.674 +/- 0	2061.833 +/- ...	1428.879 +/- ...	978.880 +/- 4
	22	92.659 +/- 0.2	378.805 +/- 1	7.350 +/- 0.052	100.047 +/- 0	163.751 +/- 0	2065.447 +/- ...	1420.984 +/- ...	973.285 +/- 4
	23	92.562 +/- 0.2	366.366 +/- 0	7.392 +/- 0.068	99.937 +/- 0.1	160.502 +/- 0	2065.698 +/- ...	1392.777 +/- ...	943.106 +/- 1
	24	93.306 +/- 0.1	365.984 +/- 1	6.877 +/- 0.057	100.173 +/- 0	162.927 +/- 0	2071.768 +/- ...	1413.511 +/- ...	947.801 +/- 4
	25	92.802 +/- 0.0	346.225 +/- 1	7.294 +/- 0.064	100.073 +/- 0	157.156 +/- 0	2057.182 +/- ...	1363.744 +/- ...	893.379 +/- 4
	26	93.179 +/- 0.2	366.133 +/- 2	7.063 +/- 0.067	100.207 +/- 0	163.249 +/- 0	2068.198 +/- ...	1416.702 +/- ...	946.943 +/- 4
	27	92.695 +/- 0.1	358.426 +/- 1	7.255 +/- 0.046	99.960 +/- 0.1	157.269 +/- 0	2061.407 +/- ...	1364.810 +/- ...	922.605 +/- 3
	28	92.678 +/- 0.1	371.594 +/- 1	7.278 +/- 0.056	99.942 +/- 0.1	162.989 +/- 0	2064.868 +/- ...	1415.257 +/- ...	955.394 +/- 2
	29	92.040 +/- 0.2	378.951 +/- 0	7.865 +/- 0.033	99.885 +/- 0.2	163.094 +/- 0	2056.177 +/- ...	1415.973 +/- ...	971.677 +/- 4
	30	92.687 +/- 0.0	380.795 +/- 1	7.448 +/- 0.044	100.167 +/- 0	167.171 +/- 0	2068.220 +/- ...	1450.850 +/- ...	979.609 +/- 3
	31	92.253 +/- 0.1	369.994 +/- 1	7.771 +/- 0.057	99.986 +/- 0.1	160.636 +/- 0	2057.247 +/- ...	1393.359 +/- ...	947.058 +/- 3
	32	93.301 +/- 0.0	354.427 +/- 1	6.770 +/- 0.020	100.071 +/- 0	158.406 +/- 0	2067.696 +/- ...	1374.445 +/- ...	921.062 +/- 2
	33	92.364 +/- 0.1	382.968 +/- 1	7.799 +/- 0.021	100.184 +/- 0	164.919 +/- 0	2055.533 +/- ...	1431.194 +/- ...	980.864 +/- 2
	34	92.052 +/- 0.2	365.127 +/- 2	6.924 +/- 0.042	99.938 +/- 0.2	161.394 +/- 0	2063.045 +/- ...	1400.066 +/- ...	942.046 +/- 3
	35	92.799 +/- 0.1	375.068 +/- 0	7.451 +/- 0.063	100.210 +/- 0	163.129 +/- 0	2065.392 +/- ...	1416.825 +/- ...	965.410 +/- 3

AVEVA Predictive Analytics Client
Demo - 44 Days Remaining



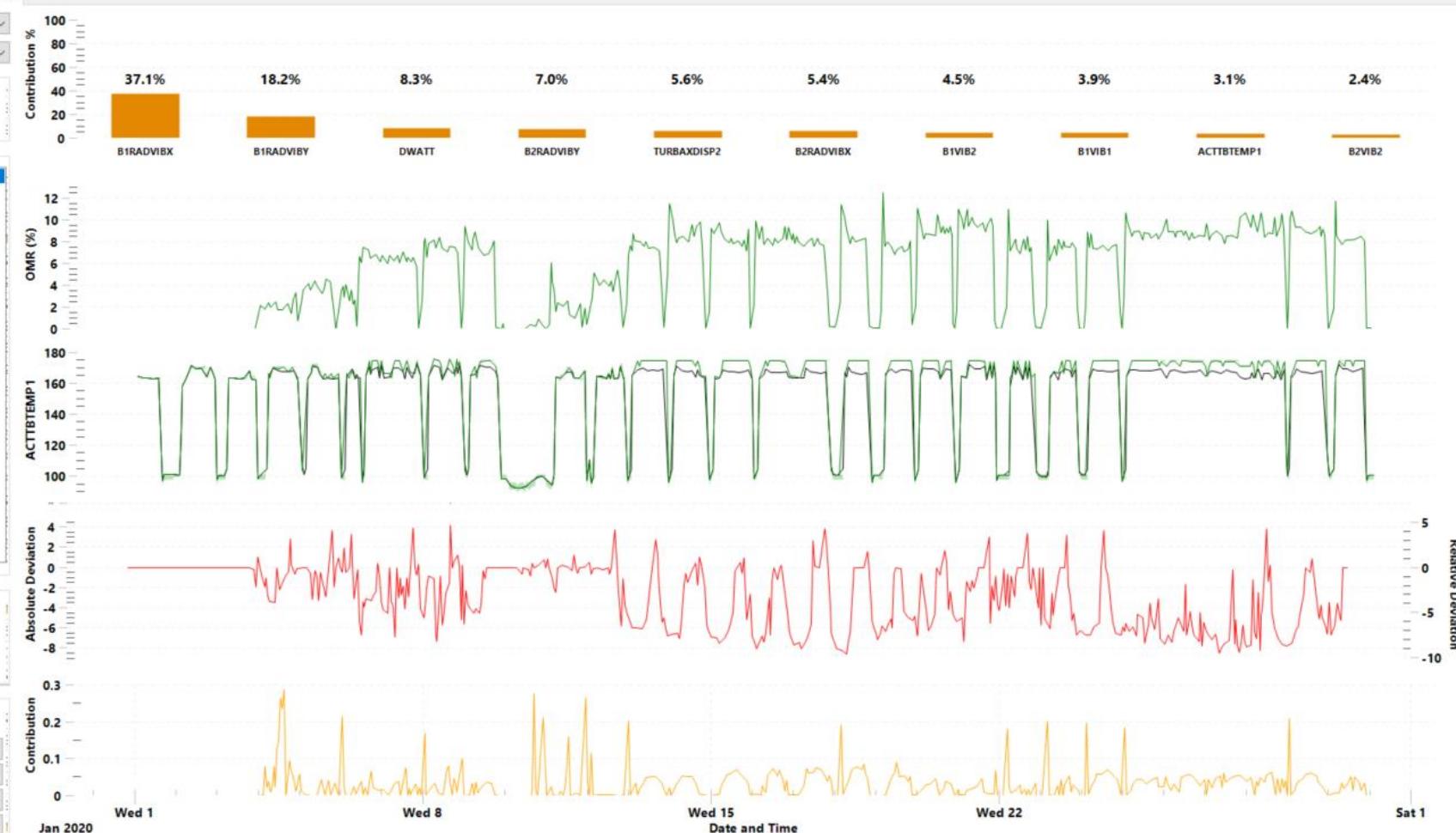


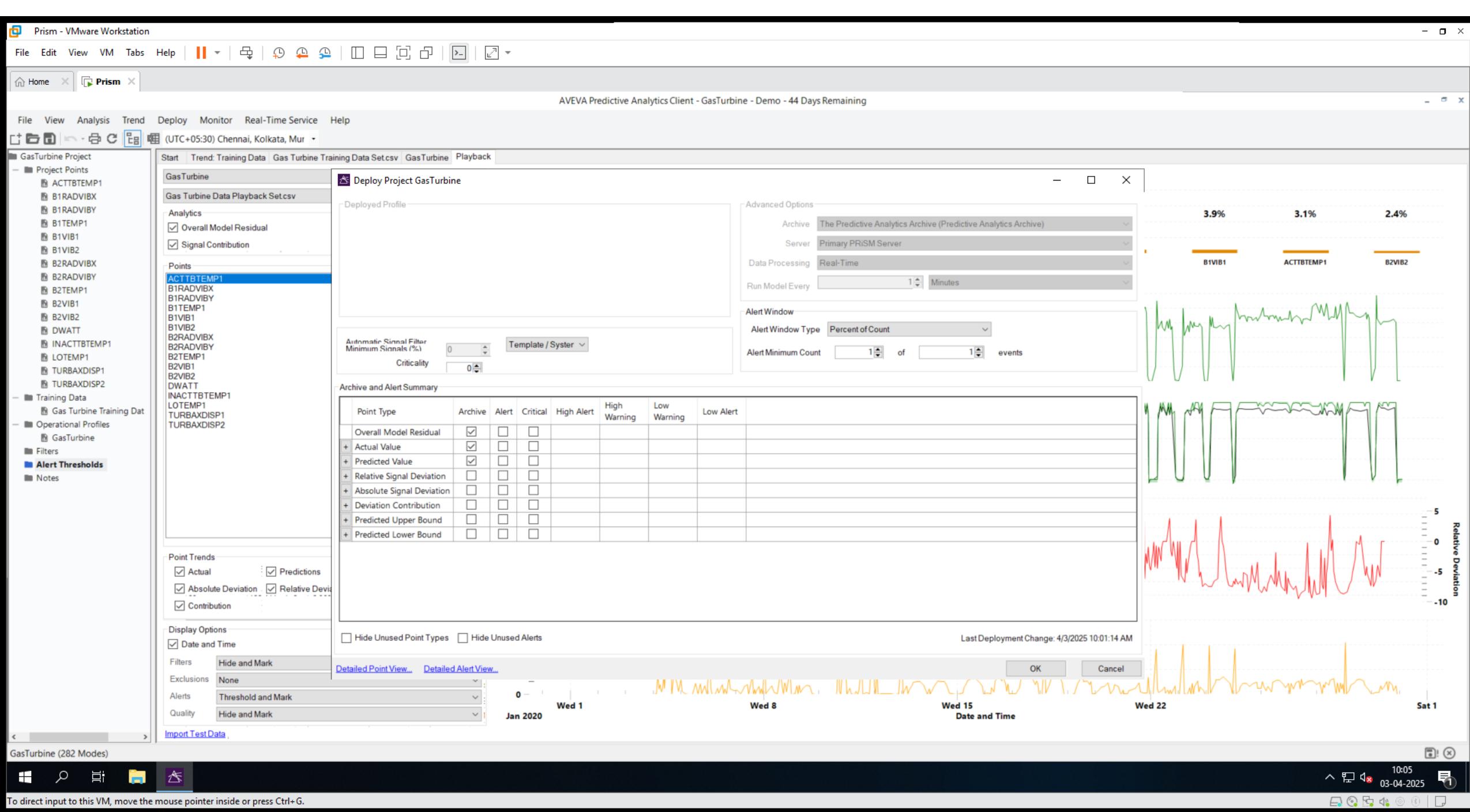




help

ning Data Setcsv GasTurbine Playback





Prism - VMware Workstation

File Edit View VM Tabs Help | | | | Home Prism AVEVA Predictive Analytics Client - Demo - 44 Days Remaining

File View Analysis Trend Deploy Monitor Real-Time Service Help

(UTC+05:30) Chennai, Kolkata, Mur

Template Metrics

Template Metrics

Training Data

Operational Profiles

Filters

Alert Thresholds

Fault Diagnostics

Notes

Modeler Service Report Template Metrics

Metric	Template Metric Description	Units	System Metric Description
--------	-----------------------------	-------	---------------------------

Calculation

Template Metrics

User Point List

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

10:16 03-04-2025

Metric

Template Metric Description

Units

System Metric Description

Calculation Point Editor

Options

Point Name:

Description

Units

Language

- CSharp
- CSharp**
- VisualBasic
- Simplified
- Unconfigured

Error Return

0

Debug View

Point Metric

Timestamps

Current

Digital Point

```
double UserFunction()
{
    return 0;
}
```

Point Variables | Compile Results | Test Results

Internal Name

Select | Assigned Point

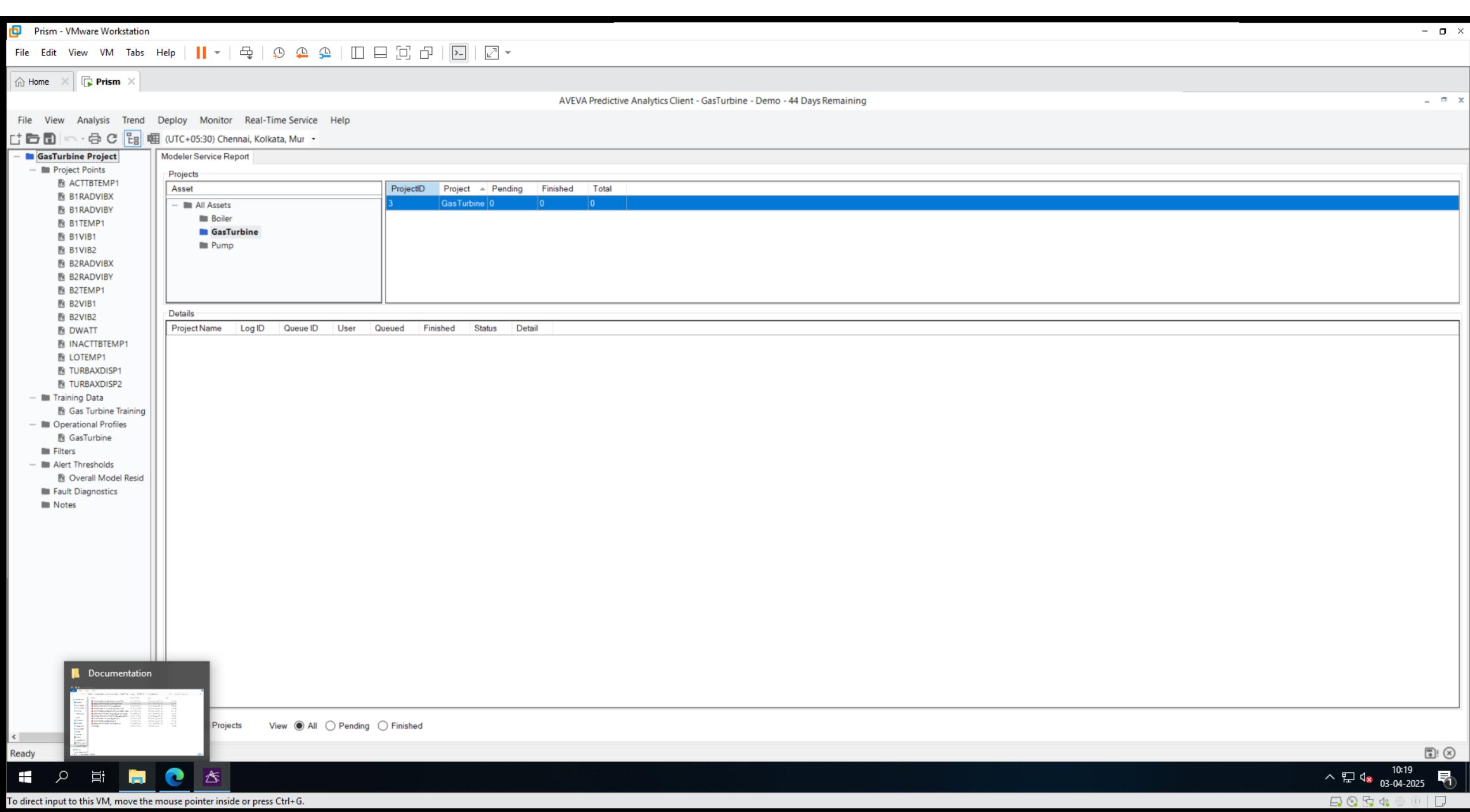
Test

Save

Cancel

Ln 1 Col 1 Pos 0 Compiled at 10:16 AM.

[Add](#),



Temp1 Template

Modeler Service Report | Template Metrics | Temp1 | Trend: Training Data | Gas Turbine Training Data Set.csv

Template Metrics

- ACTTBTEMP1
- B1RADVIBX
- B1RADVIBY
- B1TEMP1
- B1VIB1
- B1VIB2
- B2RADVIBX
- B2RADVIBY
- B2TEMP1
- B2VIB1
- B2VIB2
- DWATT
- INACTTBTEMP1
- LOTEMP1
- TURBAXDISP1
- TURBAXDISP2

Training Data

- Gas Turbine Training Data

Operational Profiles

- Temp1

Filters

- New Filter

Alert Thresholds

- Overall Model Residual

Fault Diagnostics

Notes

Fault Diagnostic Editor

Name: New Fault

Description:

Property Name Value

Fault Condition (Unconfigured)

Next Steps

Minimum Overall Model Residual: 10

Deviation Summary

Metric	Deviation Behavior	Format	Minimur	Maximu	Units	Link to Alert Thresholds	Priority Weighting	Effect Weig
ACTTBTEMP1	▼	▼				<input type="checkbox"/>	1	
B1RADVIBX	▼	▼				<input type="checkbox"/>	1	
B1RADVIBY	▼	▼				<input type="checkbox"/>	1	
B1TEMP1	▼	▼				<input type="checkbox"/>	1	
B1VIB1	▼	▼				<input type="checkbox"/>	1	
B1VIB2	▼	▼				<input type="checkbox"/>	1	
B2RADVIBX	▼	▼				<input type="checkbox"/>	1	
B2RADVIBY	▼	▼				<input type="checkbox"/>	1	
B2TEMP1	▼	▼				<input type="checkbox"/>	1	
B2VIB1	▼	▼				<input type="checkbox"/>	1	
B2VIB2	▼	▼				<input type="checkbox"/>	1	
DWATT	▼	▼				<input type="checkbox"/>	1	
INACTTBTEMP1	▼	▼				<input type="checkbox"/>	1	
LOTEMP1	▼	▼				<input type="checkbox"/>	1	

Add Edit Copy Delete Hide: Unused Metrics

Clear Selected Rows Clear All Rows Hide Undefined Deviations

OK Cancel

B2VIB2 DWATT INACTTBTEMP1 LOTEMP1 TUF

	B2VIB2	DWATT	INACTTBTEMP1	LOTEMP1	TUF
0	0.00172	0.04639	91.255	90.218	-25.0
1	0.00228	0.04874	90.556	89.823	-24.8
2	0.00186	0.05838	91.011	90.237	-25.0
3	0.00150	0.05604	91.100	90.548	-25.1
4					89.468
5					89.799
6					-24.9
7					89.034
8					89.337
9					-24.5
10					88.868
11					-25.1
12					89.341
13					-25.1
14					86.347
15					-25.1
16					89.56
17					-24.9
18					88.922
19					-24.9
20					86.817
21					-24.9
22					89.034
23					-25.1
24					89.977
25					-24.9
26					88.994
27					-25.0
28					88.688
29					-24.6
30					89.548
31					-24.9
32					89.975
33					-25.1
34					88.284
35					-25.1
36					89.241
37					-25.0
38					90.239
39					-25.0
40					89.216
41					-25.0
42					89.279
43					-25.3
44					90.06
45					-25.0
46					90.08
47					-24.9
48					90.036
49					-25.0
50					90.076
51					-25.1
52					85.311
53					-25.0
54					85.295
55					-25.0
56					90.788
57					-24.9
58					90.992
59					-24.9
60					90.206
61					-25.0
62					91.464
63					-25.0
64					95.198
65					-25.1
66					96.189
67					-25.1
68					95.523
69					-25.1
70					94.864
71					-25.1
72					93.623
73					-25.0

OK Cancel

Project saved (10:27:57 AM)



To direct input to this VM, move the mouse pointer inside or press **Ctrl+G**.

Prism

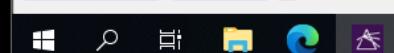
Name	New Fault
Description	<p>Fault Condition (Unconfigured)</p>
Next Steps	
Minimum Overall Model Residual	10

Deviation Summary

Metric	Deviation Behavior	Format	Minimum	Maximum	Units	Link to Alert Thresholds	Priority Weighting	Effective Weight
ACTTBTEMP1		▼	▼			<input type="checkbox"/>	1	
B1RADVIBX	↑	▼	Relat...	▼		<input type="checkbox"/>	1	0%
B1RADVIBY		▼		▼		<input type="checkbox"/>	1	
B1TEMP1		▼		▼		<input type="checkbox"/>	1	
B1VIB1		▼		▼		<input type="checkbox"/>	1	
B1VIB2		▼		▼		<input type="checkbox"/>	1	
B2RADVIBX		▼		▼		<input type="checkbox"/>	1	
B2RADVIBY		▼		▼		<input type="checkbox"/>	1	
B2TEMP1		▼		▼		<input type="checkbox"/>	1	
B2VIB1		▼		▼		<input type="checkbox"/>	1	
B2VIB2		▼		▼		<input type="checkbox"/>	1	
DWATT		▼		▼		<input type="checkbox"/>	1	
INACTTBTEMP1		▼		▼		<input type="checkbox"/>	1	
LOTEMP1		▼		▼		<input type="checkbox"/>	1	
TURBAXDISP1		▼		▼		<input type="checkbox"/>	1	
TURBAXDISP2		▼		▼		<input type="checkbox"/>	1	

Hide Undefined Deviations

OK **Cancel**



To direct input to this VM, move the mouse pointer inside or press **Ctrl+G**



Home  Prism 

Fault Diagnostic Editor

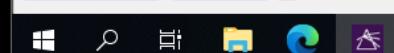
Name	Vibration
Description	Breading 1 High Vibration
Next Steps	Next steps are described here
Minimum Overall Model Residual	5
Property Name Value	
Fault Condition (Unconfigured)	

Deviation Summary

Metric	Deviation Behavior		Format	Minimun	Maximu	Units	Link to Alert Thresholds	Priority Weighting	Effective Weight
ACTTBTEMP1		▼	▼				<input type="checkbox"/>	1	
B1RADVIBX	↑	▼	Relat...	2	10	%	<input type="checkbox"/>	1	12.5%
B1RADVIBY	↑	▼	Relat...	2	10	%	<input type="checkbox"/>	1	12.5%
B1TEMP1		▼	▼				<input type="checkbox"/>	1	
B1VIB1	↑	▼	Relat...	1	5	%	<input type="checkbox"/>	1	12.5%
B1VIB2	↑	▼	Relat...	1	5	%	<input type="checkbox"/>	1	12.5%
B2RADVIBX		▼	▼				<input type="checkbox"/>	1	
B2RADVIBY		▼	▼				<input type="checkbox"/>	1	
B2TEMP1		▼	▼				<input type="checkbox"/>	1	
B2VIB1		▼	▼				<input type="checkbox"/>	1	
B2VIB2		▼	▼				<input type="checkbox"/>	1	
DWATT	→	▼	Relat...	0	5	%	<input type="checkbox"/>	2	25%
INACTTBTEMP1		▼	▼				<input type="checkbox"/>	1	
LOTEMP1	→	▼	Relat...	0	5	%	<input type="checkbox"/>	2	25%
TURBAXDISP1		▼	▼				<input type="checkbox"/>	1	
TURBAXDISP2		▼	▼				<input type="checkbox"/>	1	

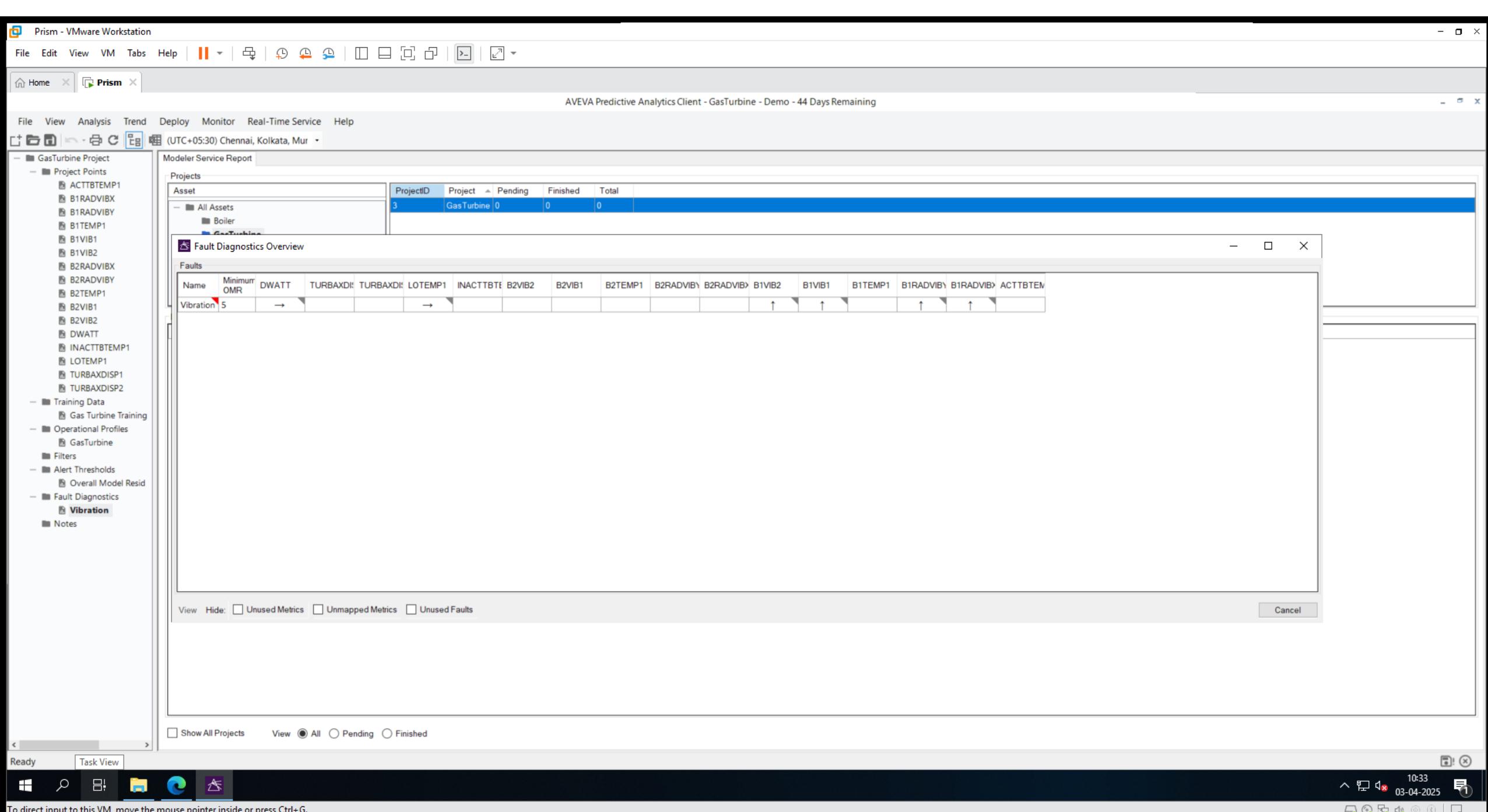
Hide Undefined Deviations

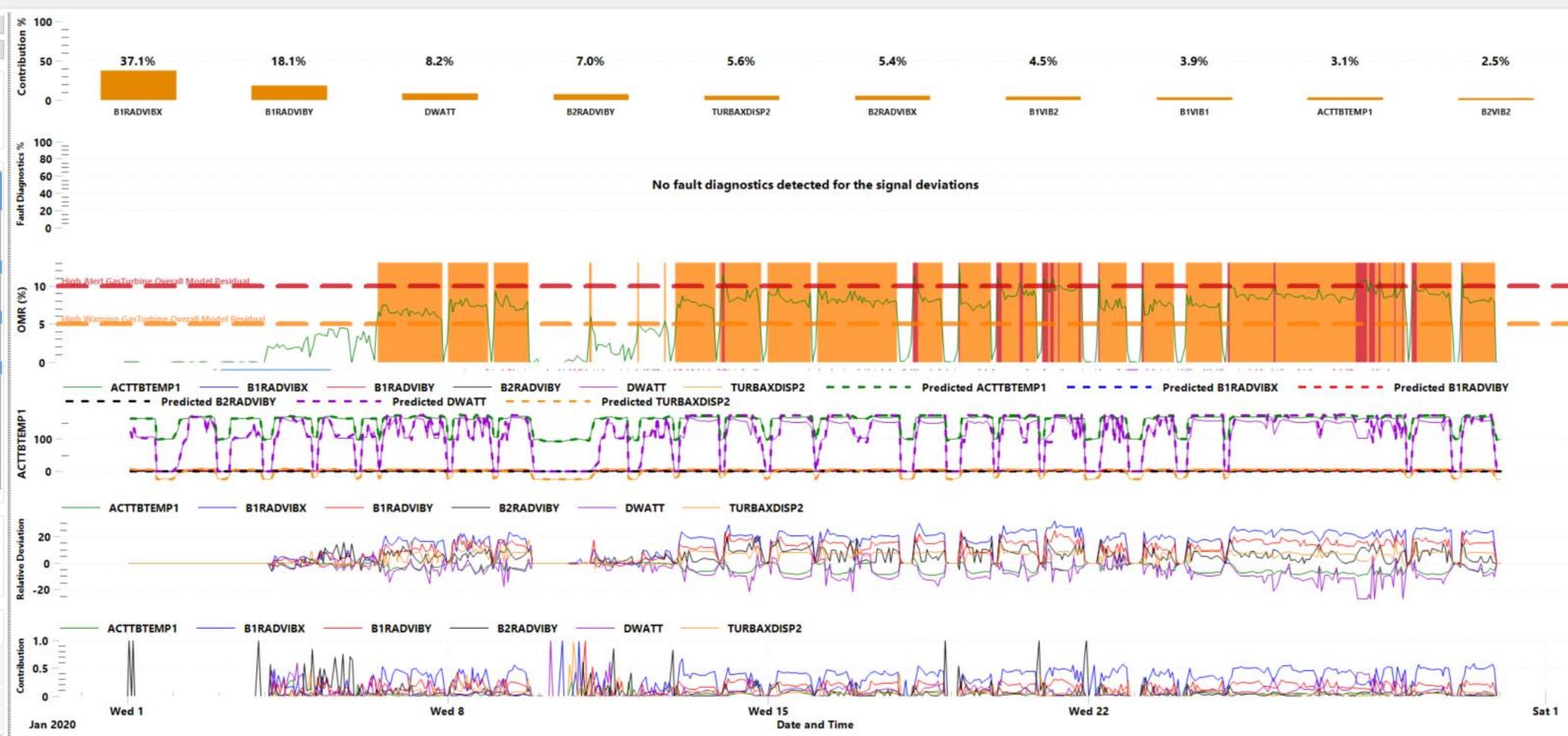
OK **Cancel**



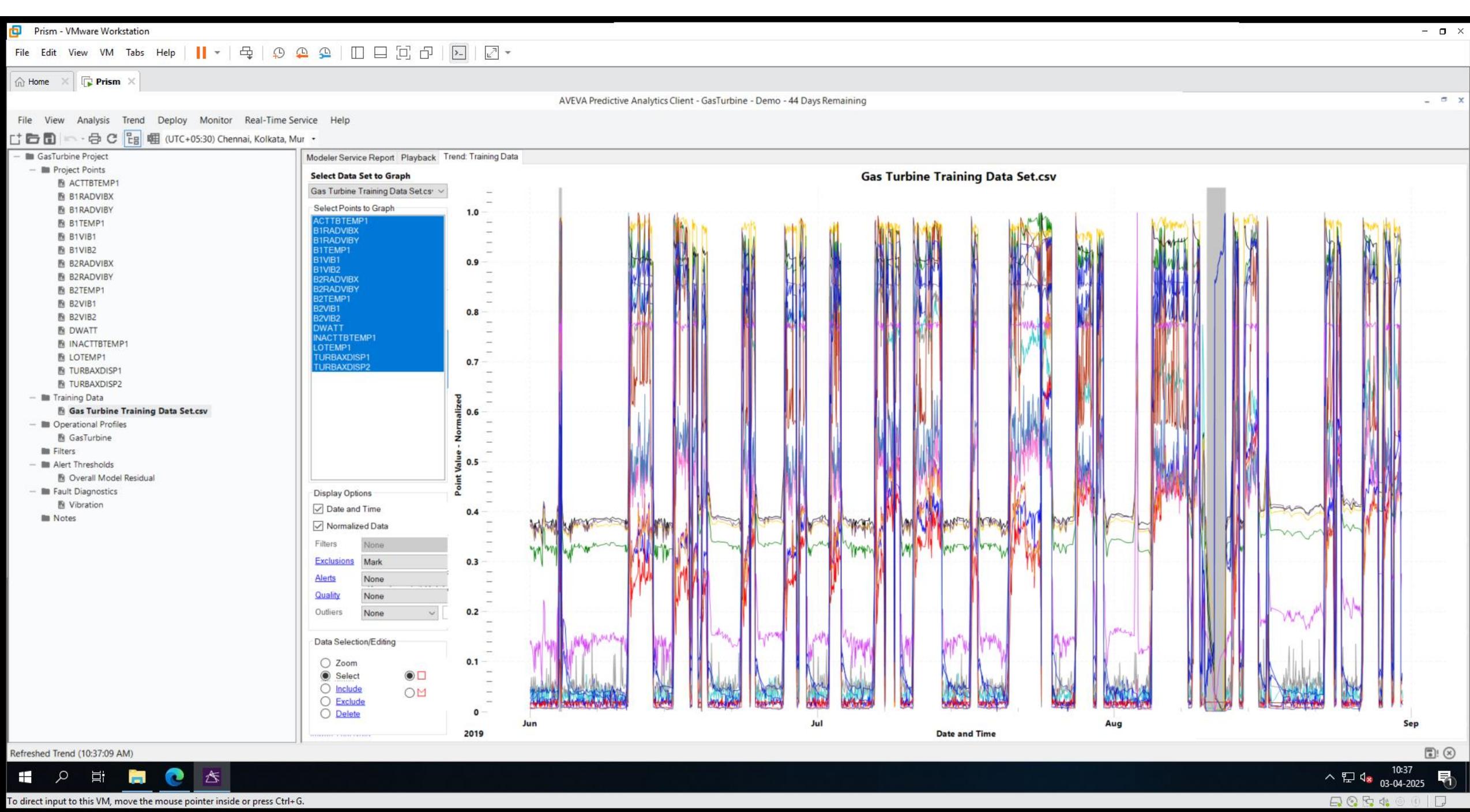
To direct input to this VM, move the mouse pointer inside or press **Ctrl+G**







Ready - No changes made to fault diagnostics



GasTurbine Project

Project Points

- ACTTBTEMP1
- B1RADVIBX
- B1RADVIBY
- B1TEMP1
- B1VIB1
- B1VIB2
- B2RADVIBX
- B2RADVIBY
- B2TEMP1
- B2VIB1
- B2VIB2
- DWATT
- INACTTBTEMP1
- LOTEMP1
- TURBAXDISP1
- TURBAXDISP2

Training Data

- Gas Turbine Training Data Set.csv**

Operational Profiles

- GasTurbine

Filters

Alert Thresholds

- Overall Model Residual

Fault Diagnostics

- Vibration

Notes

Modeler Service Report Playback Trend: Training Data

Select Data Set to Graph

Gas Turbine Training Data Set.csv

Select Points to Graph

```
ACTTBTEMP1
B1RADVIBX
B1RADVIBY
B1TEMP1
B1VIB1
B1VIB2
B2RADVIBX
B2RADVIBY
B2TEMP1
B2VIB1
B2VIB2
DWATT
INACTTBTEMP1
LOTEMP1
TURBAXDISP1
TURBAXDISP2
```

Display Options

 Date and Time Normalized DataFilters Exclusions Alerts Quality Outliers

Data Selection/Editing

 Zoom Select Include Exclude Delete

Modeler Service Report

Playback

Trend: Training Data

Gas Turbine Training Data Set.csv

Select Data Set to Graph

Gas Turbine Training Data Set.csv

Select Points to Graph

ACTTBTEMP1

B1RADVIBX

B1RADVIBY

B1TEMP1

B1VIB1

B1VIB2

B2RADVIBX

B2RADVIBY

B2TEMP1

B2VIB1

B2VIB2

DWATT

INACTTBTEMP1

LOTEMP1

TURBAXDISP1

TURBAXDISP2

Display Options

 Date and Time Normalized DataFilters Exclusions Alerts Quality Outliers

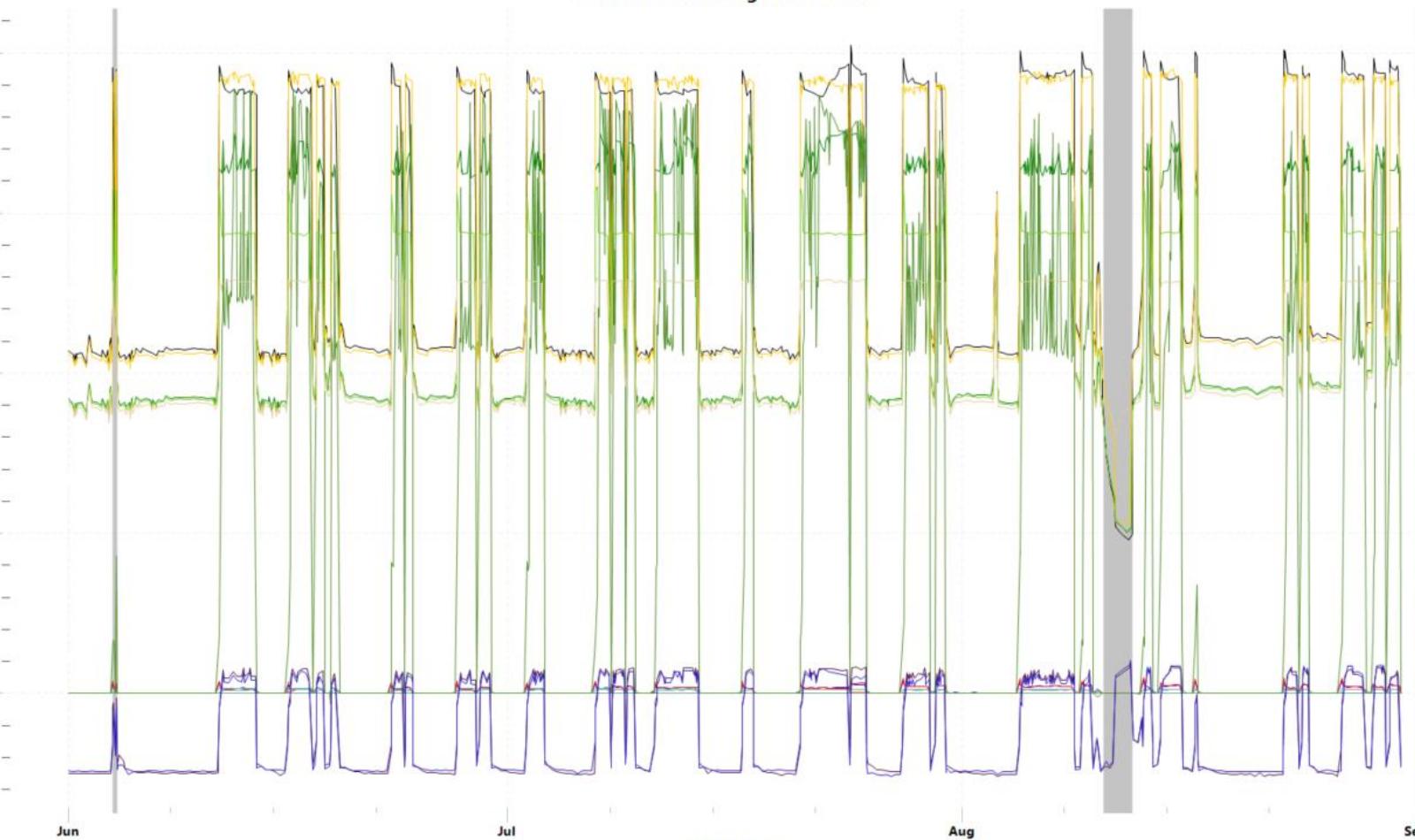
Data Selection/Editing

 Zoom Select Include Exclude Delete

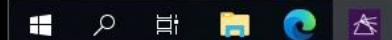
2019

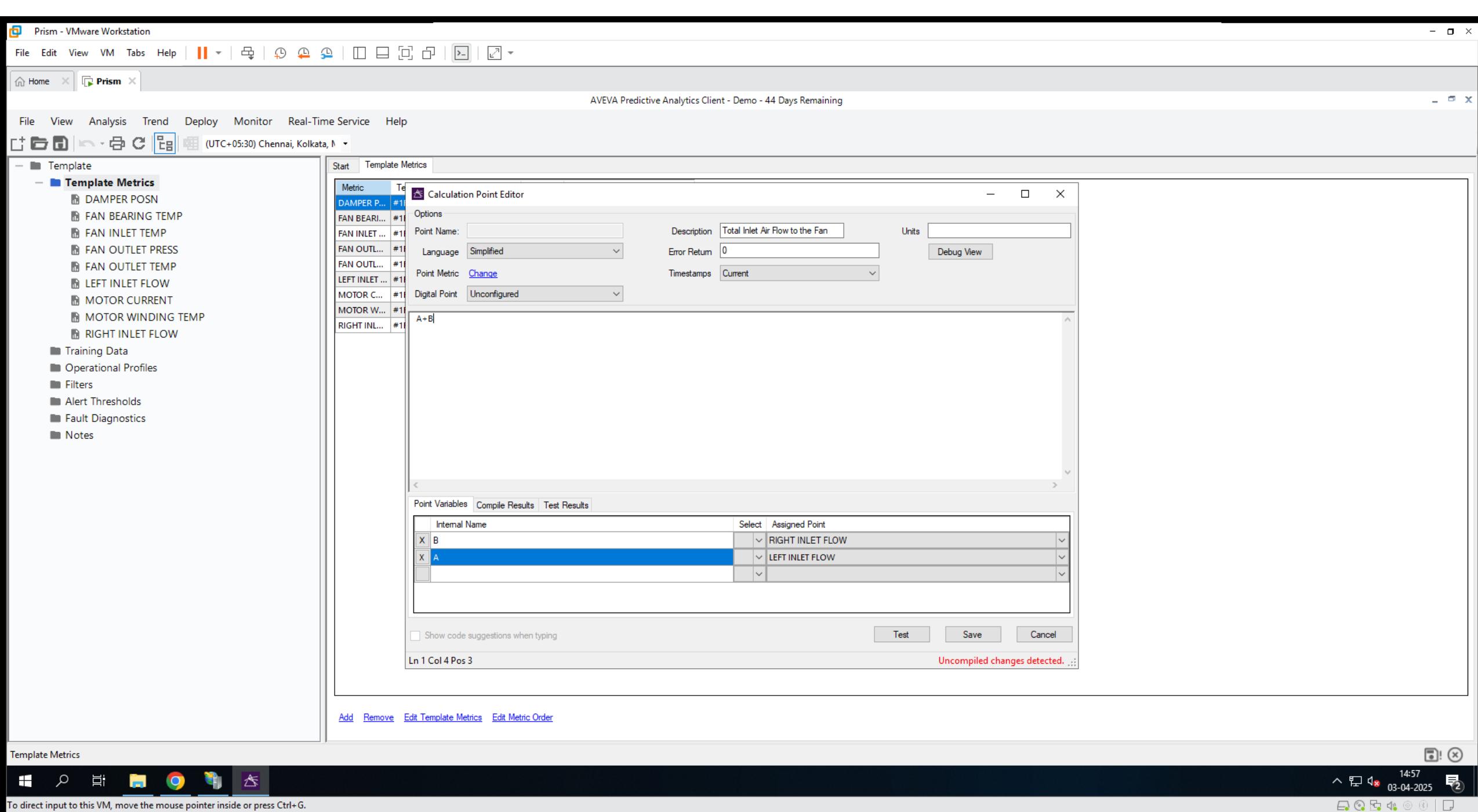
Date and Time

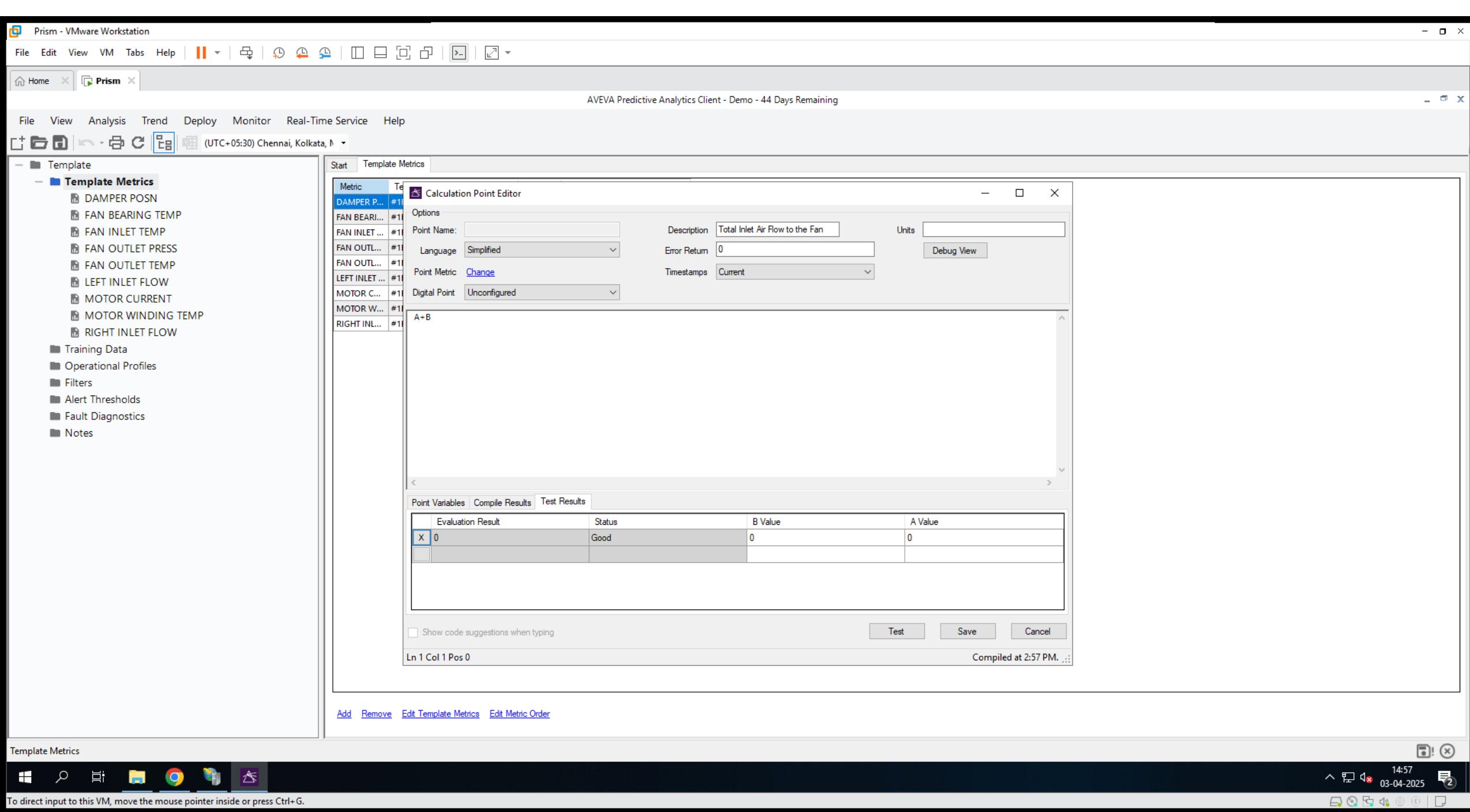
Point Value



Refreshed Trend (10:38:42 AM)







- Projects are saved under Assets
- Prismadmin
- ssmits@1234