Homework 3 – Report

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The parameters taken for different attacks are as follows:-

Attacks	L	r	Threshold obtained
SA-1	250	1	0.243
SA-2	250	1	0.030
SA-3	250	1	0.0009
DA-1	250	1	46.182
DA-2	250	1	0.247

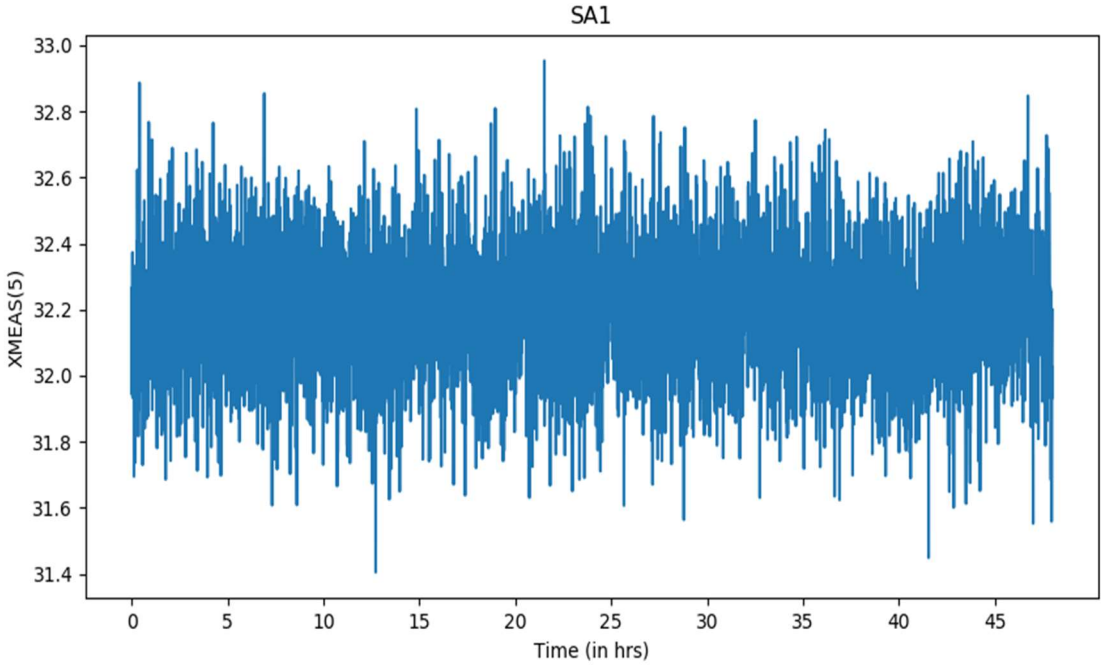
In the zip folder, we have two python file for each attack. Python file named

<attack_name>_attack.py contains the code for detecting attacks and print "Attack" whenever there is any attack.

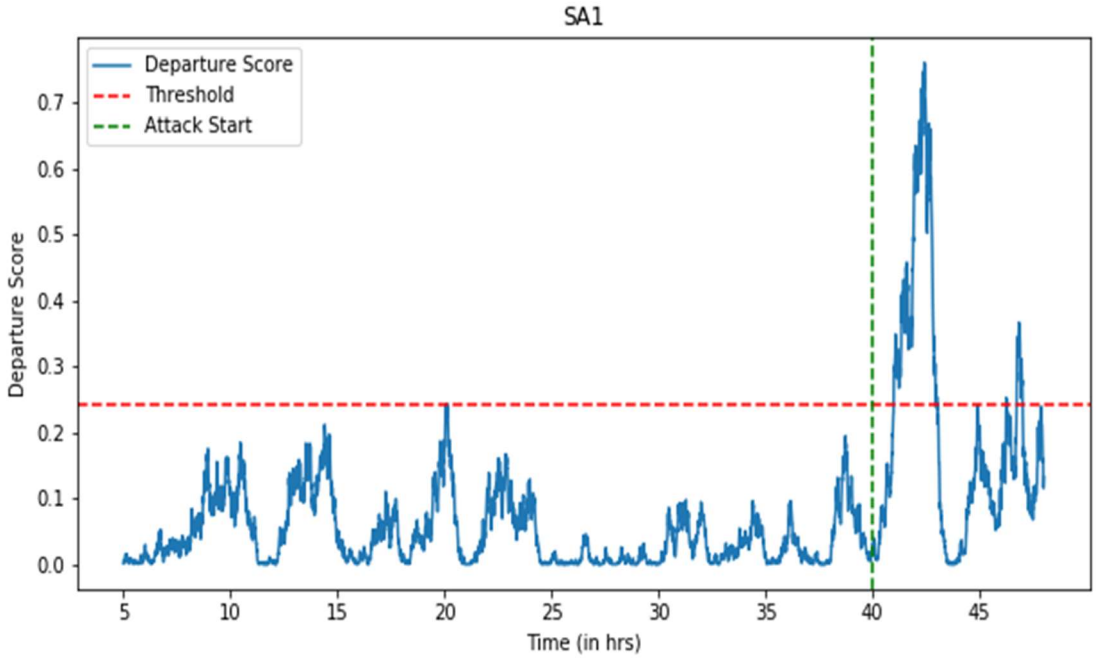
<attack_name>_graph.py contains the code to plot the graph for each attacks under above configurations.

SA1 Attack

1) Plot for original sensor readings of XMEAS(5) :

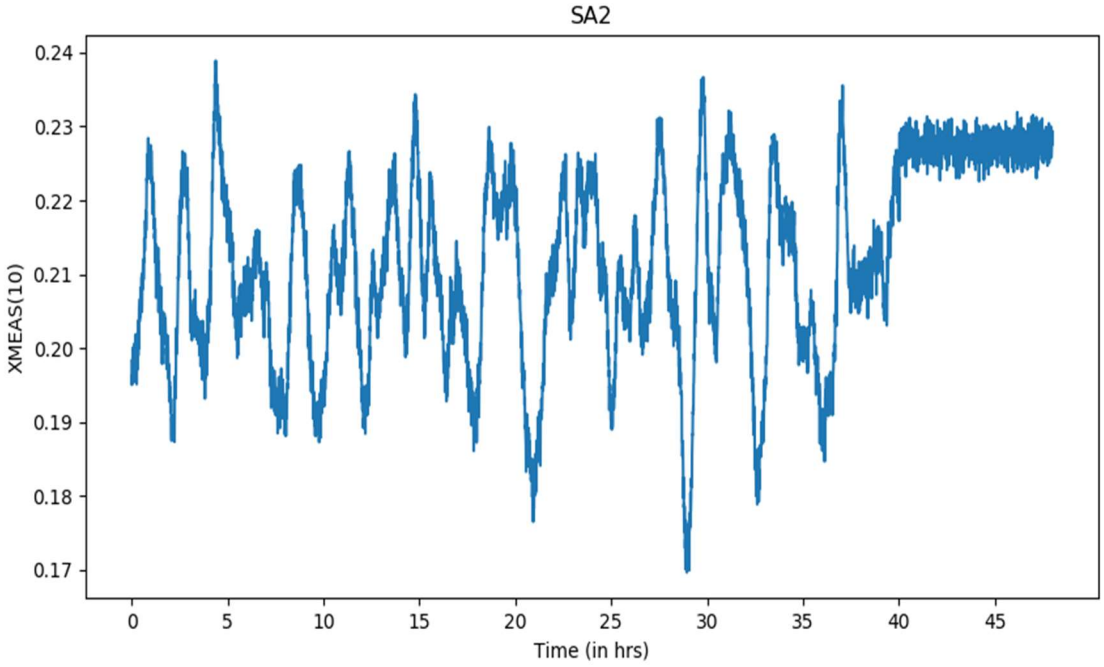


Plot for departure score of SA1 attack :

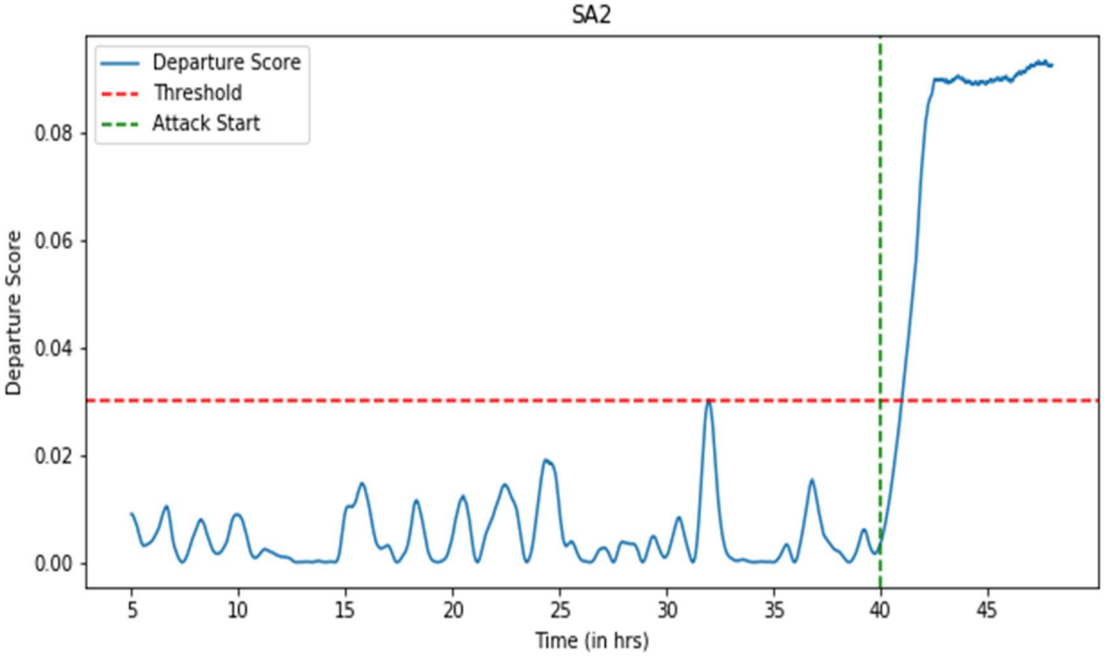


SA2 Attack

2) Plot for original sensor readings XMEAS(10) :

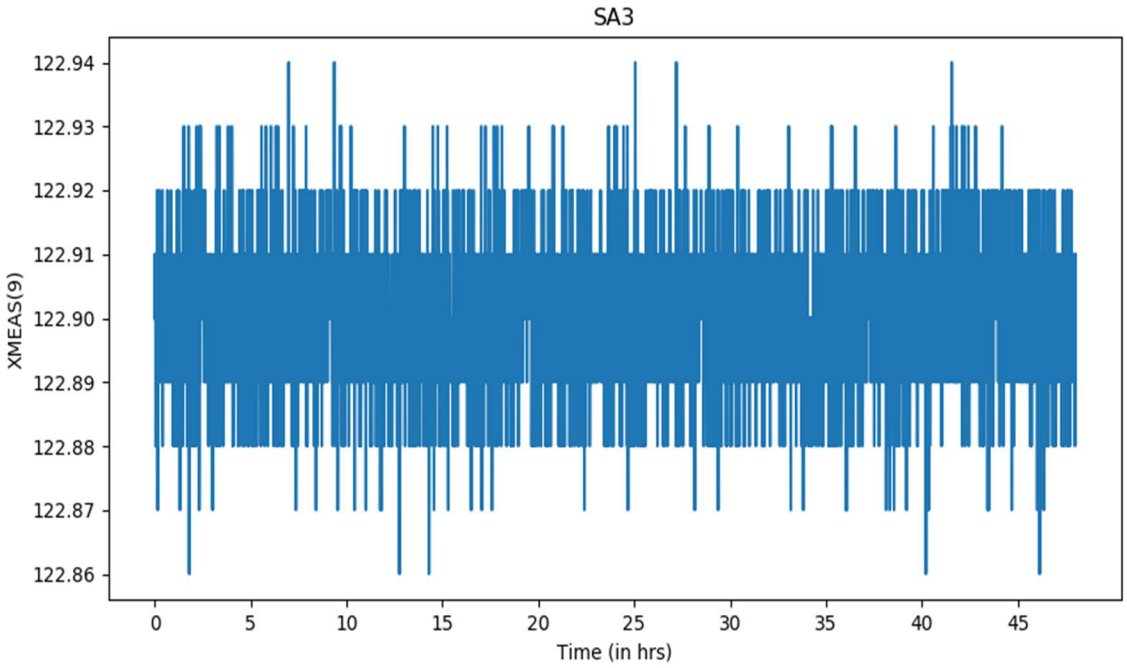


Plot for departure score of SA2 attack :

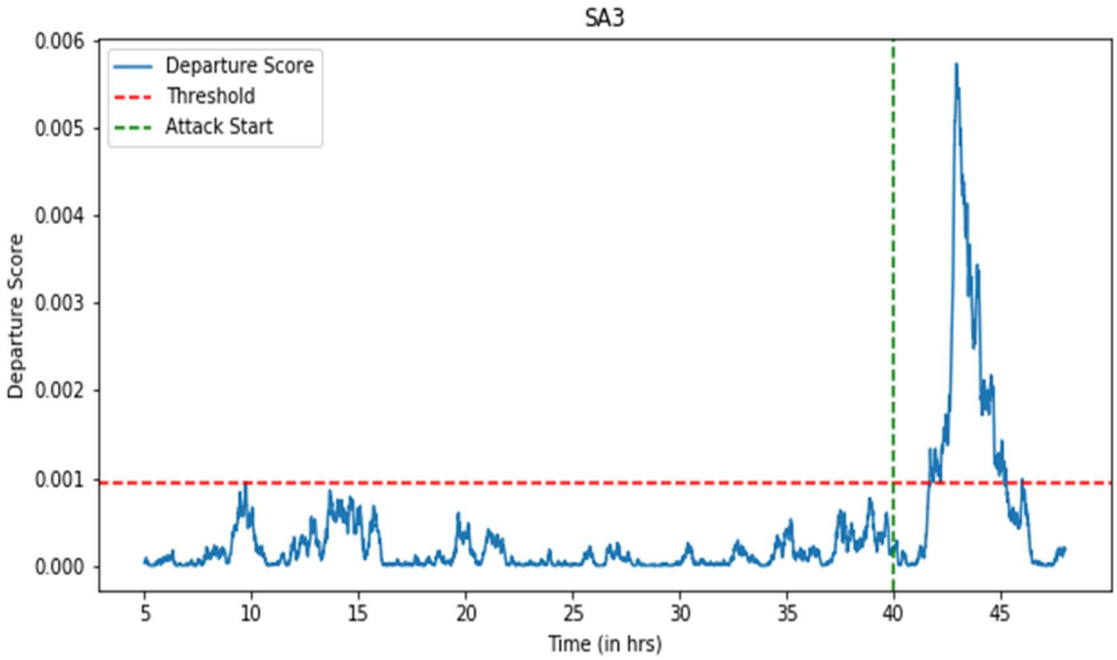


SA3 Attack

3) Plot for original sensor readings XMEAS(9) :

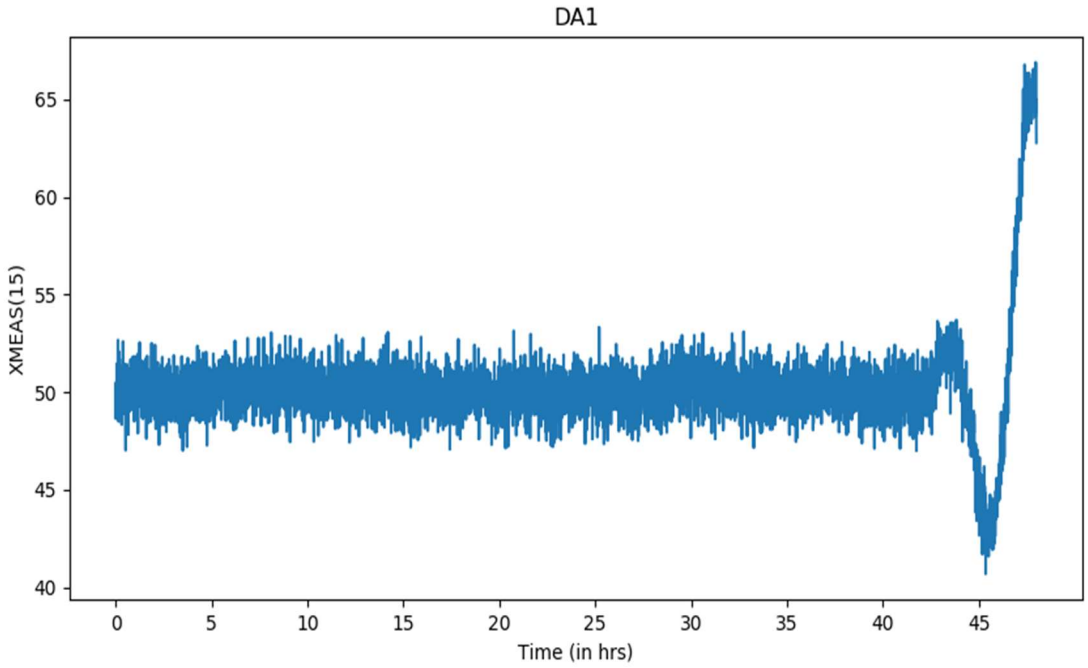


Plot for departure score of SA3 attack :

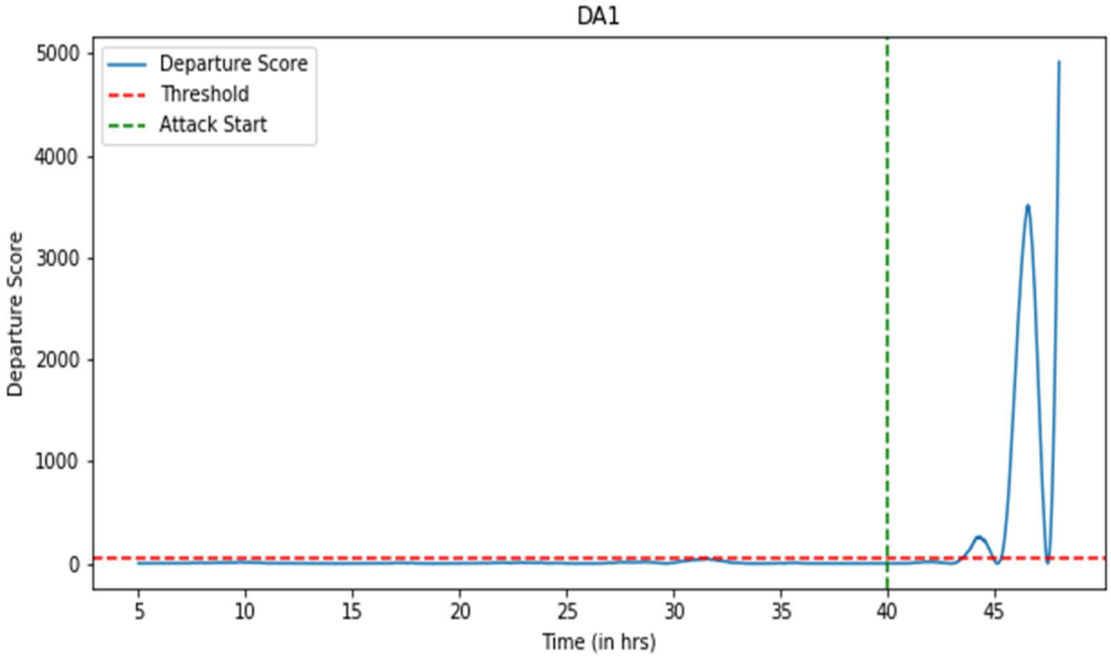


DA1 Attack

4) Plot for original sensor readings XMEAS(15) :

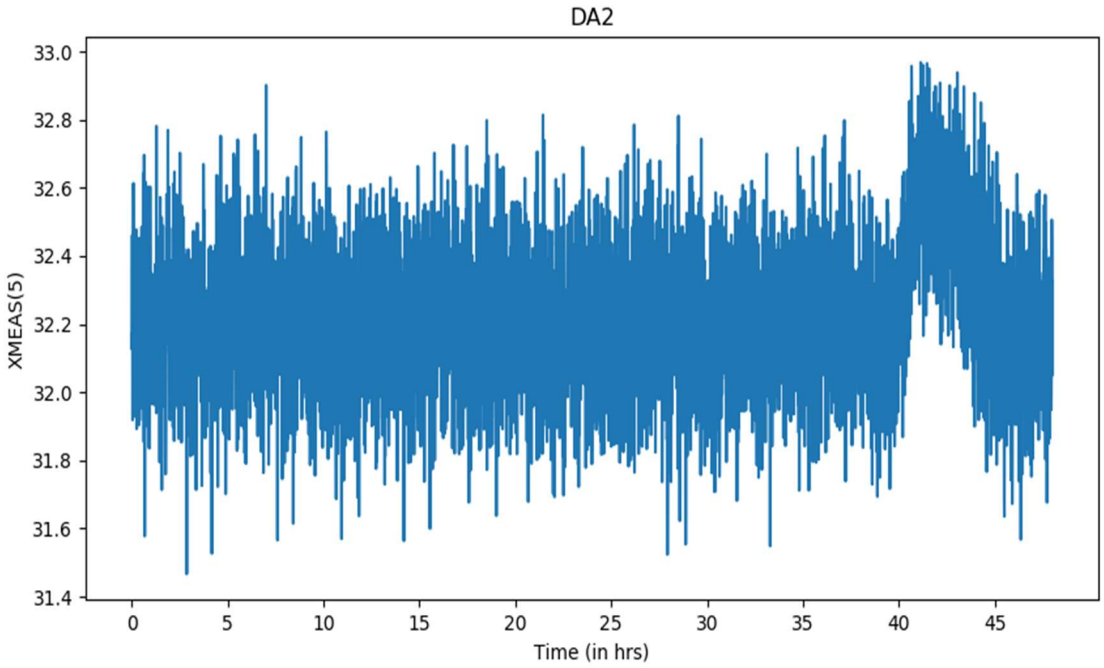


Plot for departure score of DA1 attack :



DA2 Attack

5) Plot for original sensor readings XMEAS(5) :



Plot for departure score of DA2 attack :