**List of alarms, from Log.txt (redirected cout from running the wrapper):**

{'peer': 'CoryHall\_5DPC\_elt-E\_5F\_Hvac\_Fan.dat', 'start': 1294585213, 'end': 1295190013, 'dev': 9.0758523200719576, 'label': 'CoryHall\_5DPC\_elt-F\_5F\_Light\_.dat'}

{'peer': 'CoryHall\_5DPC\_elt-E\_5F\_Hvac\_Fan.dat', 'start': 1294585213, 'end': 1295190013, 'dev': 12.142854594466366, 'label': 'CoryHall\_5DPC\_elt-C\_4F\_Microlab\_Cooler.dat'}

{'peer': 'CoryHall\_5DPC\_elt-D\_5F\_Hvac\_Fan.dat', 'start': 1304607613, 'end': 1305212413, 'dev': 122.6299265109343, 'label': 'CoryHall\_5DPC\_elt-A\_5F\_Hvac\_.dat'}

{'peer': 'CoryHall\_5DPC\_elt-C\_4F\_Microlab\_Cooler.dat', 'start': 1305471613, 'end': 1305817213, 'dev': 11.387988875369071, 'label': 'CoryHall\_5DPC\_elt-F\_5F\_Light\_.dat'}

{'peer': 'CoryHall\_5DPC\_elt-A\_5F\_Hvac\_.dat', 'start': 1305903613, 'end': 1305990013, 'dev': 5.5568423730306504, 'label': 'CoryHall\_5DPC\_elt-F\_5F\_Light\_.dat'}

{'peer': 'CoryHall\_5DPC\_elt-D\_5F\_Hvac\_Fan.dat', 'start': 1305817213, 'end': 1307026813, 'dev': 19.158838916580866, 'label': 'CoryHall\_5DPC\_elt-F\_5F\_Light\_.dat'}

{'peer': 'CoryHall\_5DPC\_elt-E\_5F\_Hvac\_Fan.dat', 'start': 1307545213, 'end': 1307631613, 'dev': 8.2138986784654087, 'label': 'CoryHall\_5DPC\_elt-D\_5F\_Hvac\_Fan.dat'}

7 total alarms were caught. The 4 sensors that triggered these are highlighted above. From this we can see duration of abnormal energy usage per sensor:

'CoryHall\_5DPC\_elt-E\_5F\_Hvac\_Fan.dat'

start: 1294585213. end: 1295190013. Elapsed time: 604.8 seconds

~~start: 1294585213. end: 1295190013. Elapsed time: 604.8 seconds (duplicate)~~

start: 1307545213. end: 1307631613. Elapsed time: 86.4 seconds

**total time: 691.2 seconds**

'CoryHall\_5DPC\_elt-D\_5F\_Hvac\_Fan.dat'

start: 1304607613. end: 1305212413 Elapsed time: 604.8 seconds

start: 1305817213. end: 1307026813. Elapsed time: 1209.6 seconds

**total time: 1814.4 seconds**

'CoryHall\_5DPC\_elt-C\_4F\_Microlab\_Cooler.dat

start: 1305471613. end: 1305817213. Elapsed time: 345.6 seconds

**total time: 345.6 seconds**

'CoryHall\_5DPC\_elt-A\_5F\_Hvac\_.dat'

start: 1305903613. end: 1305990013. Elapsed time: 86.4 seconds

**total time: 86.4 seconds**