Report

EFFECTS OF QUANTUM RESONANCE TECHNOLOGY APPLICATION DETECTED BY THE BIO-WELL SPUTNIK SENSOR

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St. Petersburg, Russia

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Test Samples: Quantum Resonance Technology Application (Yippi Wave 3.0)

- Quantum Healthcare,
- Sleep support,
- Brain Enhancement,
- Quantum Nutrition
- Relaxation

Abstract

Goals and objectives of the study: The goal of this research was to study possibility of remote detection of digital music influence using a physical sensor.
Study design: GDV Bio-Well technology with a special environmental sensor "Sputnik" was used in the study. This sensor was developed for the analysis of the electromagnetic fields and was shown to respond to the change in the environmental parameters.
The Sputnik sensor was in operation and the environmental signal was being measured for an hour before the Quantum Resonance app, Yippi Wave 3.0 audio was turned on. The app played for 20 minutes before it auto stops. However, the Sputnik continued to record the signal for an hour from when the app stopped. In this research experiment, five (5) different Quantum Resonance app program files in wav format from Yippi Wave 3.0 and several files of Handel music was used.
Results: Statistically significant changes of Sputnik sensor parameters were detected in all experiments conducted using the various programs of Quantum Resonance app, Yippi Wave 3.0, while no response to Handel music.
Conclusions: This study should be considered a pilot study in clinical research and the results are preliminary. We need to conduct experiments with different sources of both acoustic and electromagnetic signals and the possibility of their registration by the Bio-Well device.

Key words: quantum resonance, bio-well, sputnik, gas discharge visualization (GDV)

Introduction

As shown in the review,[1] the number of studies of emotional response to music has increased in the last decade. Many of those researches suggest that individual differences in empathy, alexithymia, personality traits, and musical expertise might play a role in music- perceived emotions.[2,3] Music Therapy became popular as a part of an integrative protocol used in medicine.[1] A large number of studies show the positive effect of music therapy on patients,[4,5] but the cause of this effect remains unclear. It is not clear whether this effect is the result of a person's psycho-emotional reaction alone, or whether it is related to the direct influence of the frequency range of music on the physical level. Some authors proposed ideas that music may have a direct influence on the environment,[1] but this topic, being intuitively clear for all musicians, is not properly studied with scientific approach. The goal of this paper was to study the possibility of remote detection of music influence using a physical sensor.

The background of this research was the results of using Bio-Well technology with the Environment Sensor, Sputnik, in the study of the effect of different factors on the environment.[6] The technique of Electrophotonic Imaging (EPI) allows the recording of electron and photon emission stimulated by an electromagnetic field in any subject, as well as the acquisition of these data by computer image processing. The short electric impulse (10 microsec) on the camera plate stimulates subjects and generates a response in the form of an excited gas plasma (that is why in physical terms this approach is known as Gas Discharge Visualization – GDV).[7–9] This plasma emits light which is directly measured by a charge-coupled device (CCD), the state of the art in measuring low-level

light that is used in astrophysics and other scientific endeavours. The CCD registers the pattern of photons detected over time. These digital data are transmitted directly into a computer for data processing, and each image from the light emitted is stored as a graphics file. These two-dimensional images of the light are then used to calculate the area, emission intensity, fractality, and other parameters. The EPI technique has been found to be effective in evaluating the state of individual human health,[10–13] and in the monitoring of individual reactions to different kinds of testing.[14–16]

Methods

The Bio-Well device (www.bio-well.com) with an especially designed environmental sensor, Sputnik is used to monitor its response to the changes on the environmental parameters [17]. The physical principle it is based on measuring the electrical capacitance of a space by using two connected resonance contours. Schematic representation of the experimental setup is shown in Figure 1.

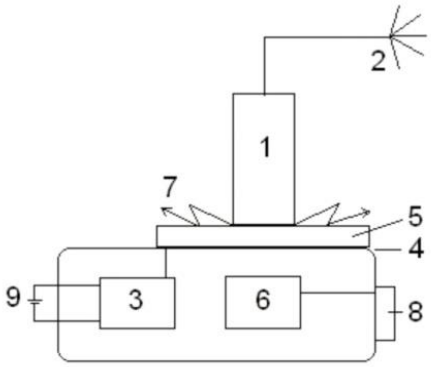

Fig. 1 The experimental setup. 1 - metal cylinder; 2 Antenna "GDV Sputnik"; 3 - high-voltage pulse generator; transparent conductive coating; 5 - transparent quartz electrode; 6 - video converter; 7 - glow; 8 - USB-drive; 9 - Power Supply

Metal cylinder 15 mm in diameter connected to an antenna 2, is positioned on the quartz surface of the electrode 5, the reverse side of which is covered with a transparent conductive coating 4; from the generator 3, every second a voltage in the form of a pulse sequence of up to 7 kV amplitude, 10 microsecond duration at a frequency of 1 kHz is applied to the coating. Ultraviolet light 7 is transformed by optoelectronic system 6 in a series of images, which are analyzed in a computer. Experimental system can be represented as an equivalent circuit of the connected LC circuits (see Fig. 2).

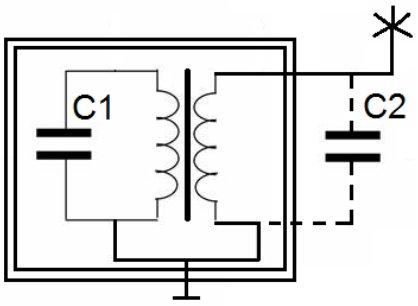

Fig. 2 Equivalent circuit diagram of the experimental setup, where C1 corresponds to the capacity of the electronic circuit of the Bio-Well device, C2 - the equivalent capacitance of the antenna in the premises.

Discharge develops due to the displacement currents between the antenna 2 and grounding. Depending on the availability of fields of different nature in the environment, the chemical composition of the air and the state of the conductive objects, conditions of electromagnetic wave propagation in space are changing, therefore the currents in the system are redistributed, thus influencing parameters of the glow. Thus, this experimental system can react to changes in the electrical capacitance of the space surrounding it and the presence of the conductive objects. In other words, we may say that the signal depends on the propagation of standing electromagnetic waves in space.

Data processing was carried out in a specially designed software of GDV Bio-Well. For analysis both the absolute values of the parameters and their standard deviations in the series were taken into consideration.

The software allows to perform automatically statistical analysis of a time series data. The program calculates the mean and standard deviation for each interval and statistical comparisons of adjacent intervals by the method of Student's t and Mann-Whitney tests. All input data are stored in a file for further processing in the statistical programs.

A large series of studies and field trials in Russia, Venezuela, Colombia, England, in the period 2008-2019 showed that this environmental sensor, Sputnik, is sensitive to changes in environmental parameters, like sun and moon eclipse [15, 16] and changes of weather [15].

Study design

Bio-Well device with environmental sensor, Sputnik, (Figure 3) was positioned in a laboratory room and turned on in an off-line mode. No person was in the room. After about an hour of background recording, a person entered the room and turned on Quantum Resonance digital app, Yippi Wave 3.0 audio, and then left the room again. Audio was playing for 20 minutes before it auto stops but signal continued to be recorded for another hour. After which, the device was then stopped and data was analyzed online using the Bio-Well software.

In the experiment, 5 different files of the Quantum Resonance digital app, Yippi Wave 3.0 (https://yippiweb.com/t-rt-history) audio in *wav format have been used and was compared to several files of Handel music.

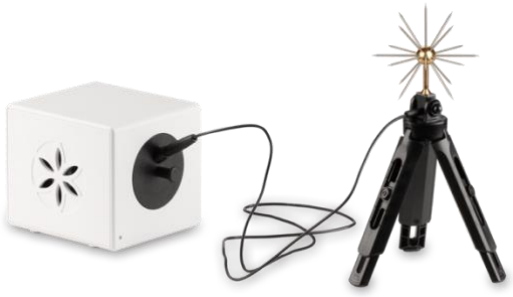

Figure 3. The Bio-Well device and a sensor.

Results

8 experiments were conducted and in all energy of photons measured in Bio-Well software decreased after playing music. Results are presented in Table 1, example of data processing presented at Figure 4.

Table 1. Comparison of the Energy of photons measured in Bio-Well software before (1) and after (2) playing music.

Experiment N	Date, mm.dd.yy	Music file	Energy 1	Energy 2	t-test
1	12.13.19	1	3.98 +/- 0.13	3.56 +/- 0.13	< 0.001
2	12.16.19	1	2.84 +/- 0.01	2.81 +/- 0.01	< 0.001
3	12.17.19	1	2.82 +/- 0.01	2.76 +/- 0.01	< 0.001
4	12.18.19	1	2.79 +/- 0.01	2.75 +/- 0.01	< 0.001
5	12.19.19	2	2.69 +/- 0.01	2.66 +/- 0.01	< 0.001
6	12.20.19	3	2.65 +/- 0.01	2.61 +/- 0.01	< 0.001
7	12.20.19	4	3.18 +/- 0.02	3.08 +/- 0.02	< 0.001
8	12.21.19	5	3.11 +/- 0.03	3.07 +/- 0.03	0.04
9	21.21.19	Handel	3.14+/- 0.03	3.13+/- 0.03	0.67

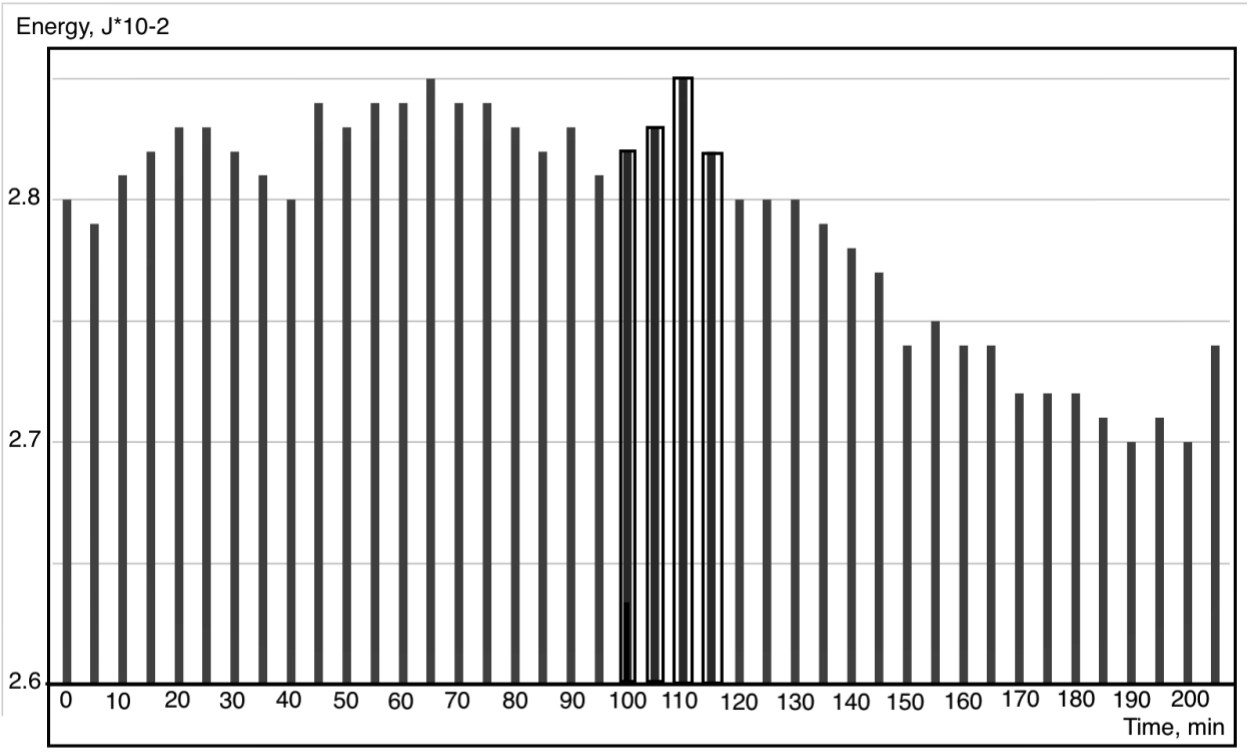

Figure 4. Time dynamics of a sensor signal. Each bar is averaged on 5 minutes. Highlighted bars correspond to the time of music playing.
Playing Handel music had no effect on the device parameters.

Discussion

According to the software developers (https://yippiweb.com/t-rt-history), their app is powered by subtle energy. Subtle energy is a term that refers to any type of energy that has some empirical scientific support for its existence but nonetheless lies outside of the four forces accepted by mainstream science: the strong and weak nuclear forces, electromagnetism and gravity.

Without going into a discussion about the nature of this phenomenon, we realize that it is possible to modulate the electromagnetic radiation of a mobile phone using the Quantum Resonance Technology app, Yippi Wave 3.0 audio application. One of the sensitive elements in the Bio-Well device is a pulsed, so-called "sliding" gas discharge [18], which develops along the surface of the electrode. It is known that the electromagnetic field affects the parameters of this discharge [18]. In the experiments under discussion, the device was in an initial electromagnetic field, which is constantly present in the surrounding space. It should be noted that in different days the initial parameters of the discharge differed (Table 1), which indicates the change of conditions of the environment and, above all, the electromagnetic field. When the audio file of Yippi Wave 3.0 was turned on, the electromagnetic field was modulated, which affected the parameters of the gas discharge and led to changes in the registered parameters. At the same time, it caused the redistribution of a quasi-stable configuration of positive charges on the surface of the dielectric electrode, which led to the effect of "memory" - saving the parameters for certain measurement time.

Conclusion

This study should be considered a pilot study and the results are preliminary. We need to conduct experiments with different sources of both acoustic and electromagnetic signals and the possibility of their registration by the Bio-Well device. At the same time, the observed effects seem to us to be interesting and we will listen to all suggestions for improving the research protocol.

Acknowledgements

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Appendix.

Experimental data

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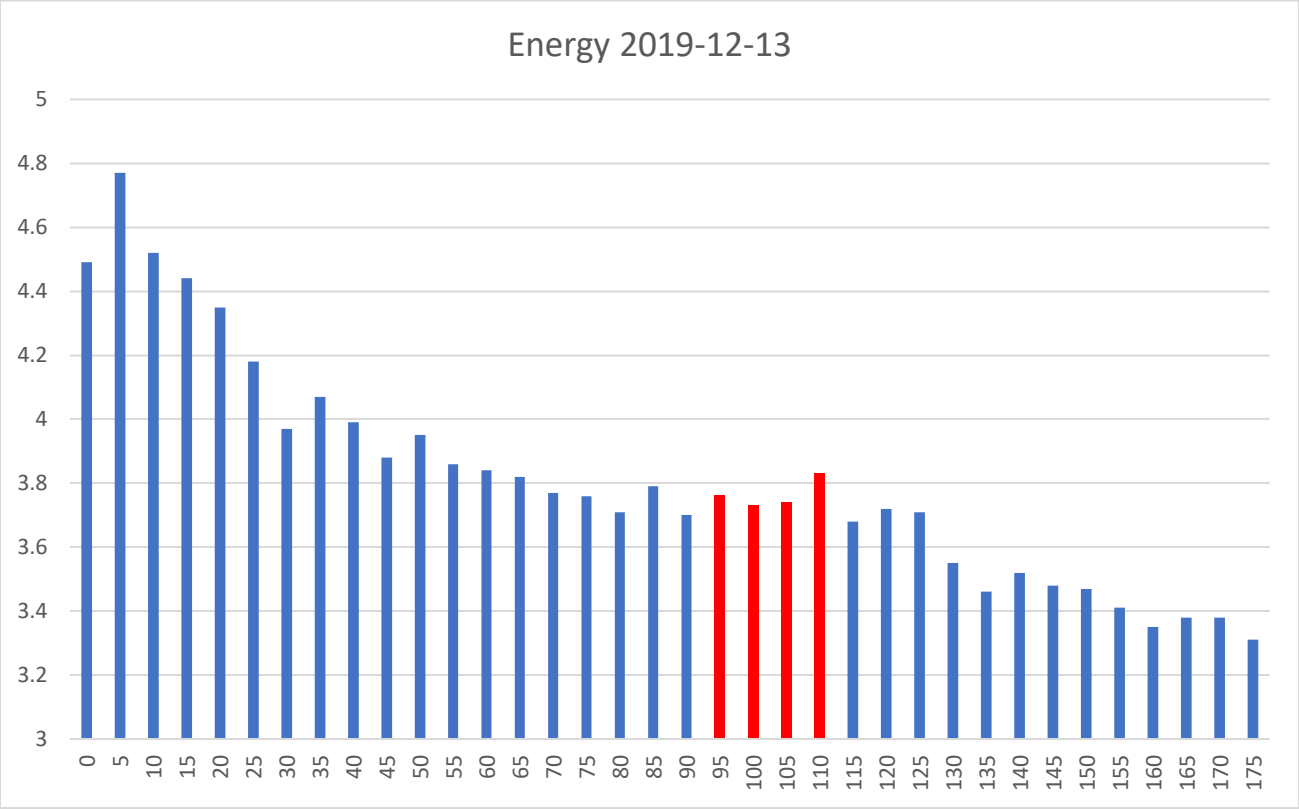

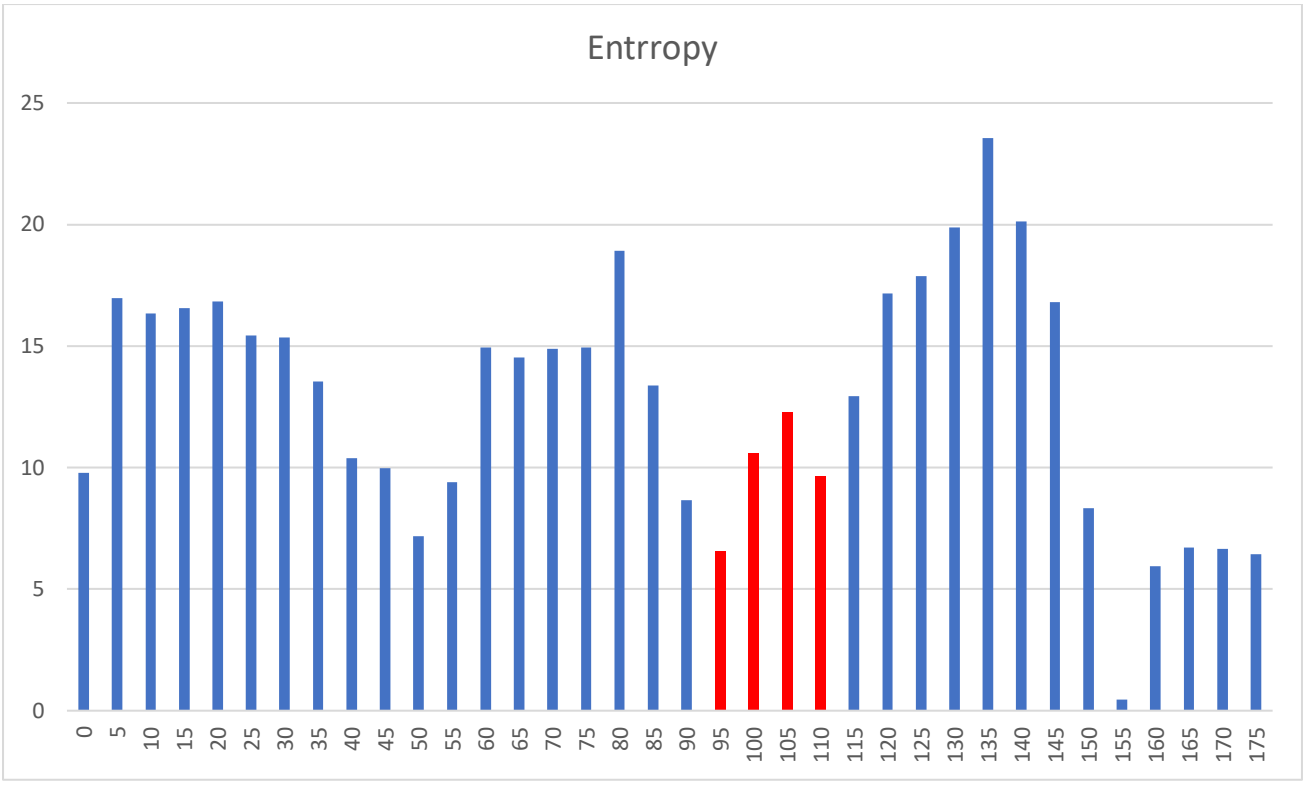
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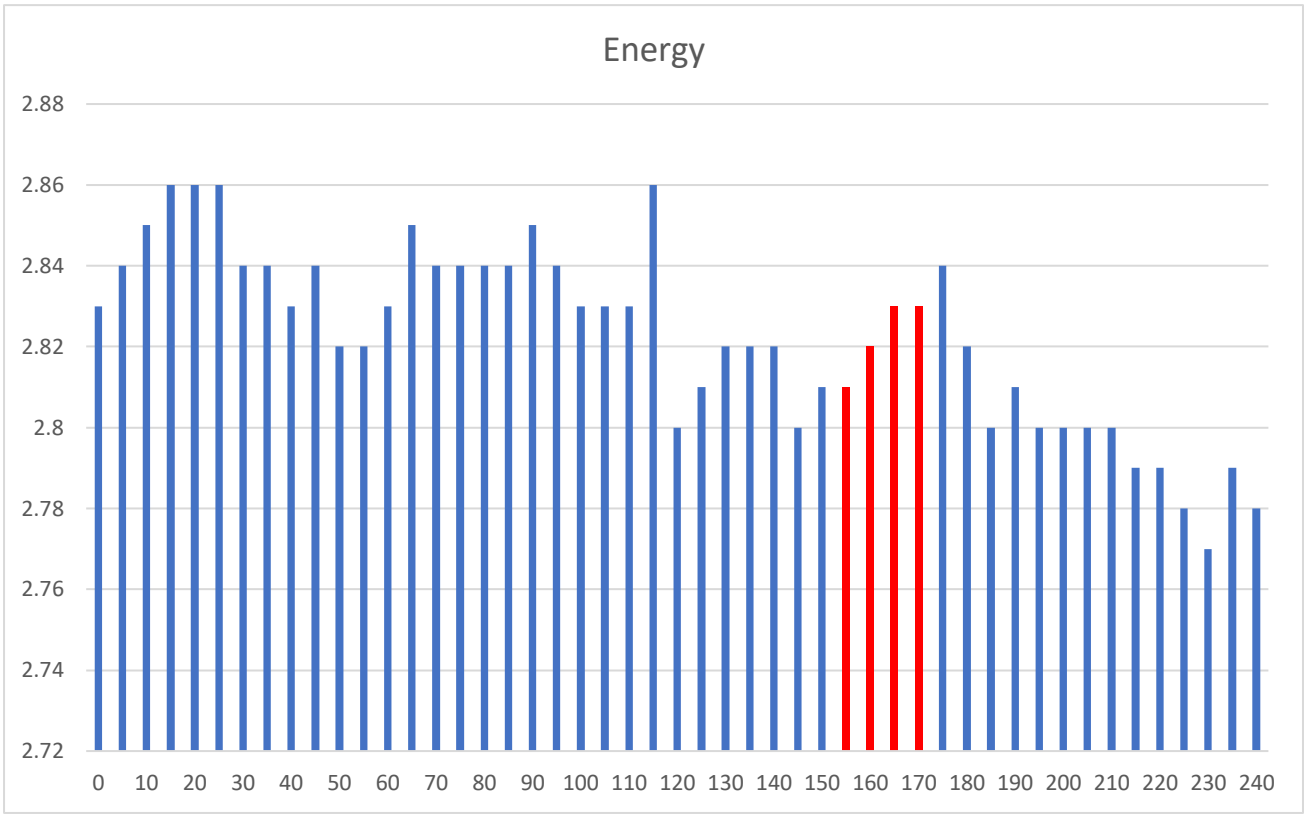
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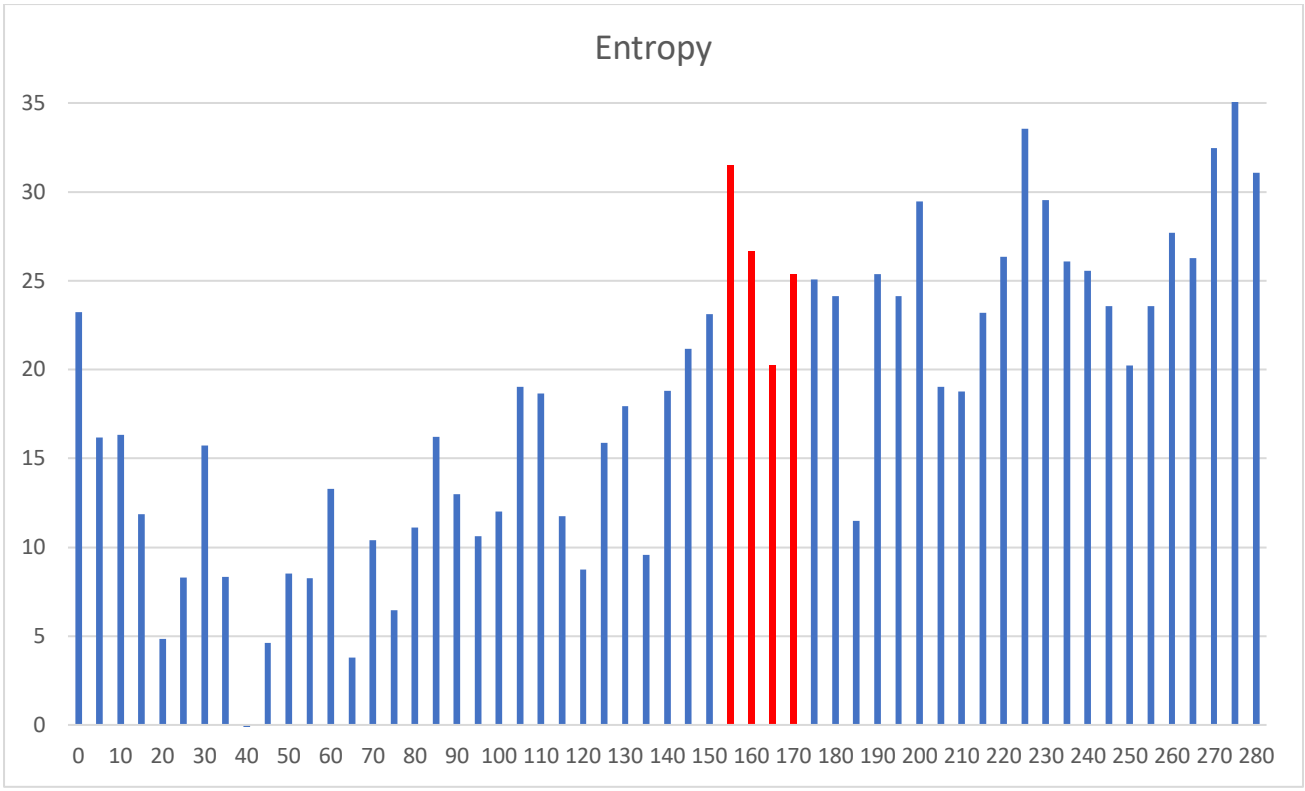
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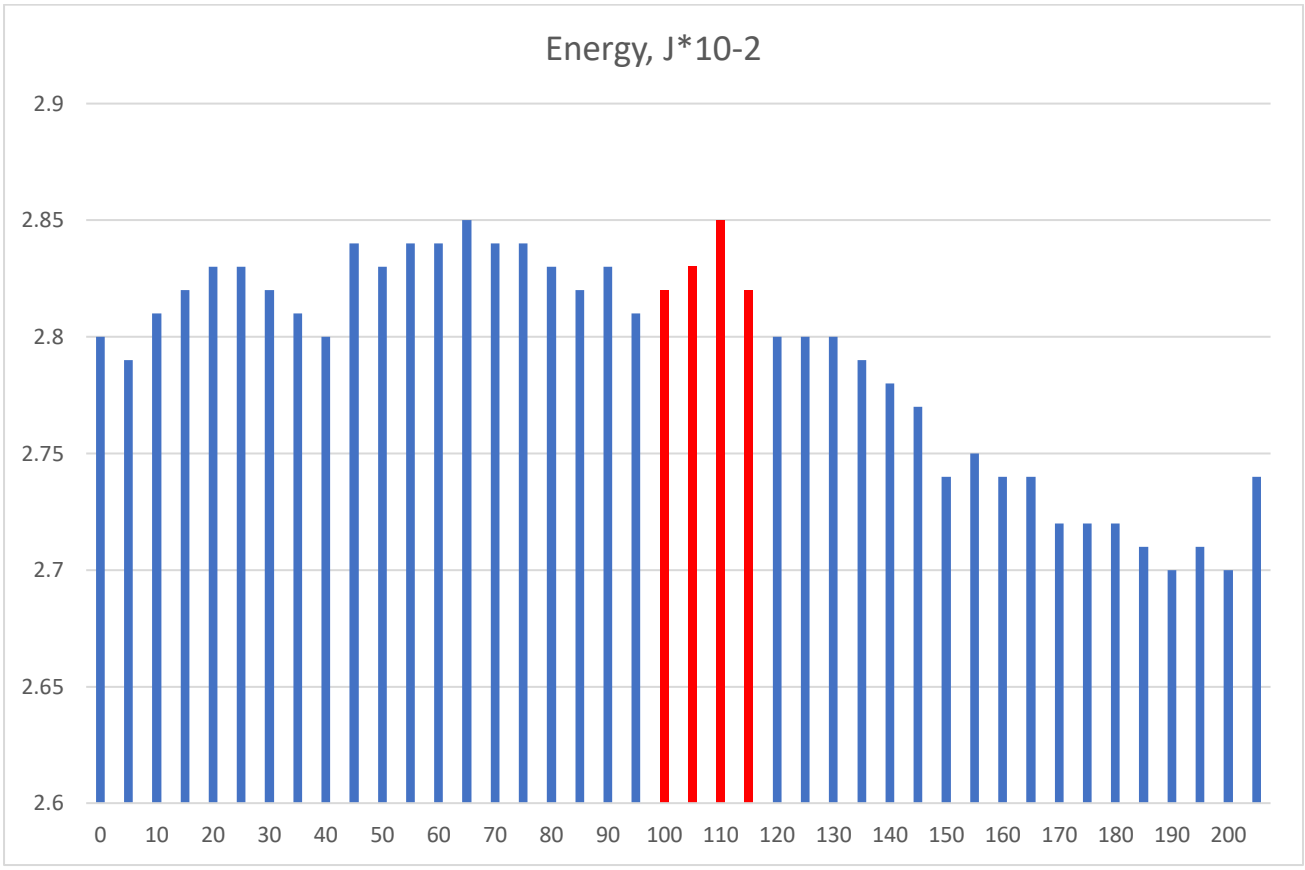
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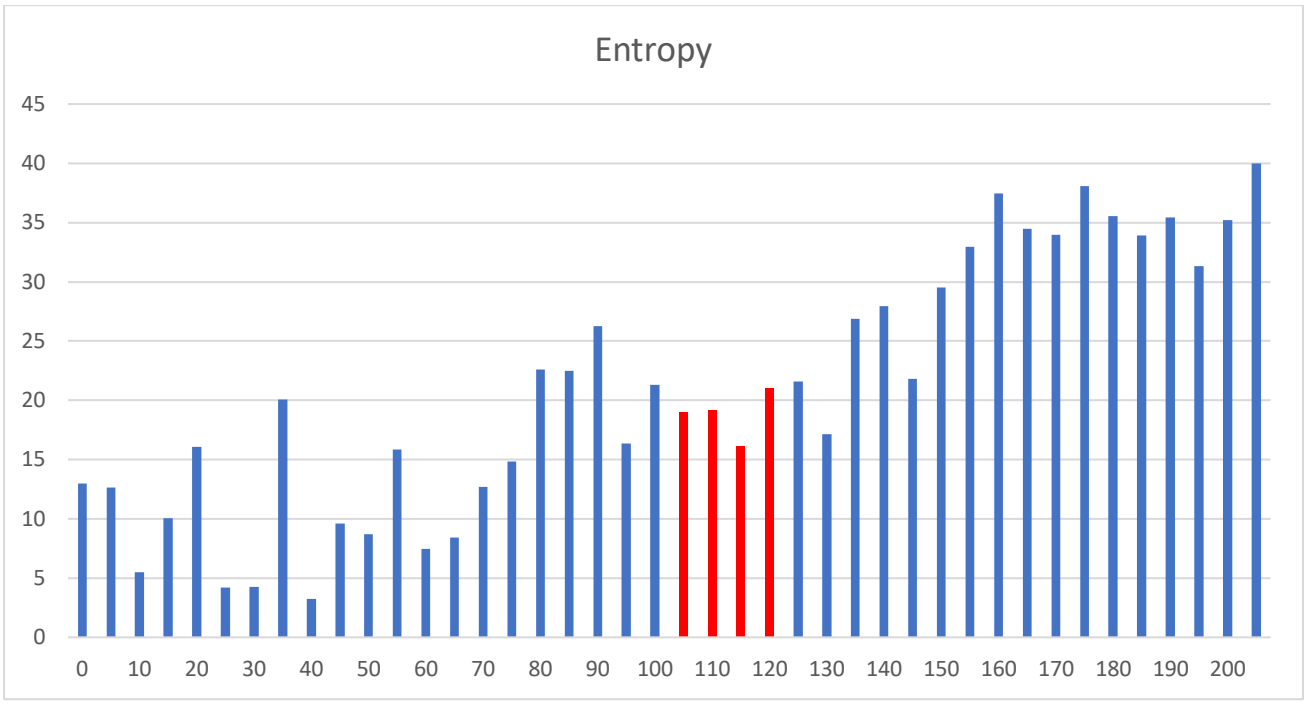
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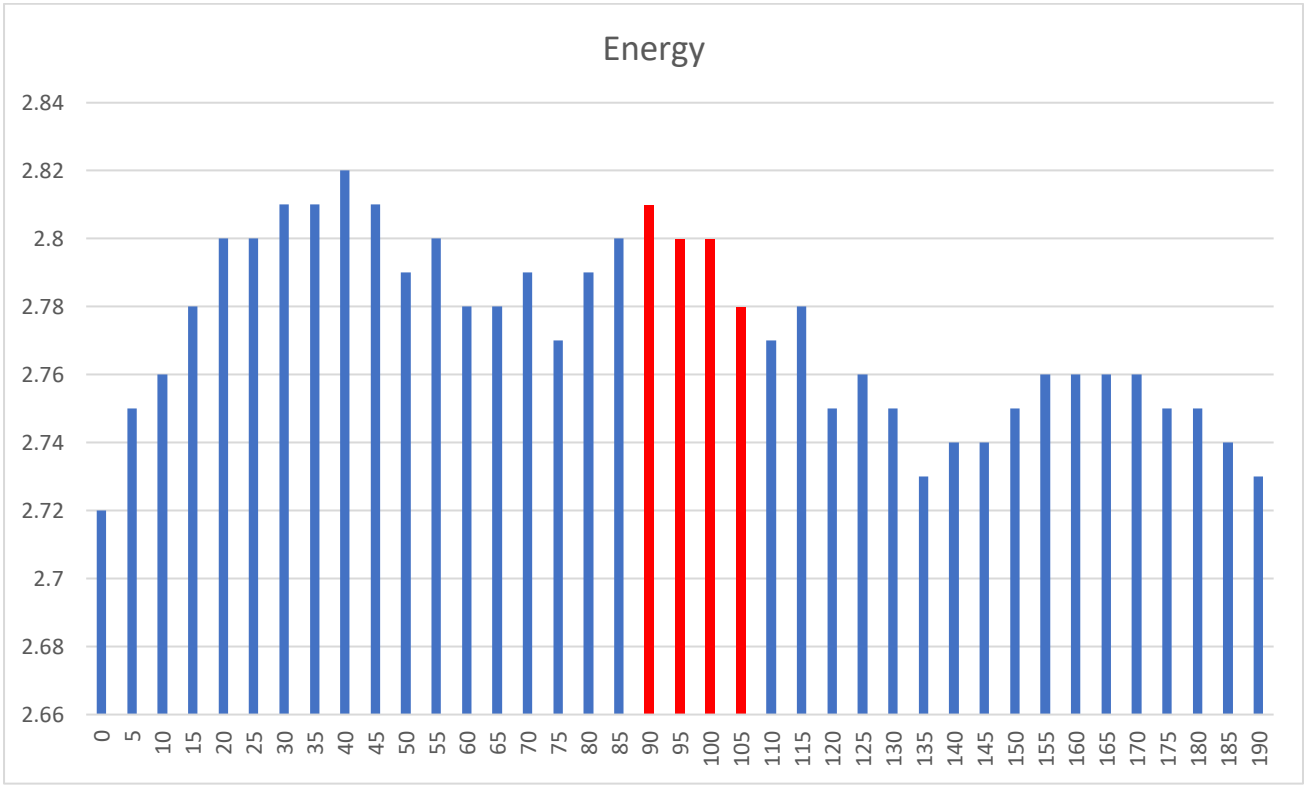
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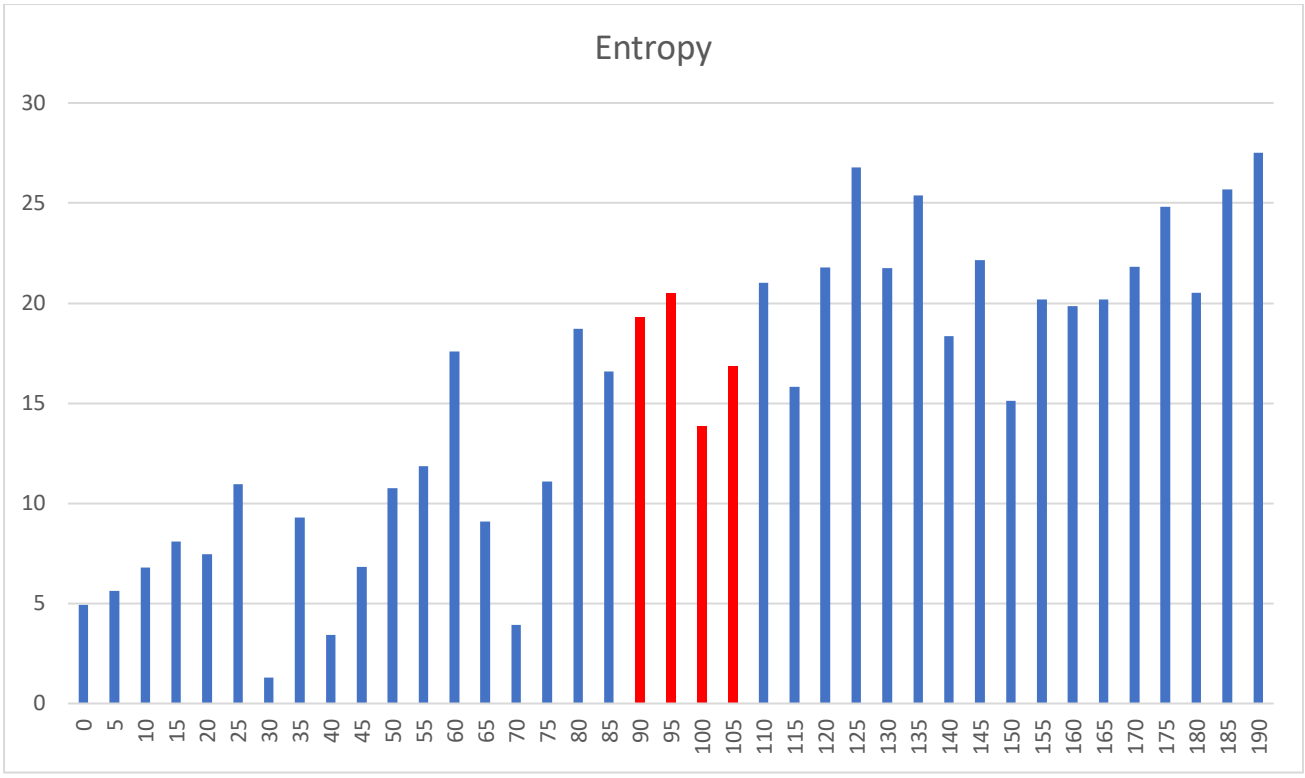
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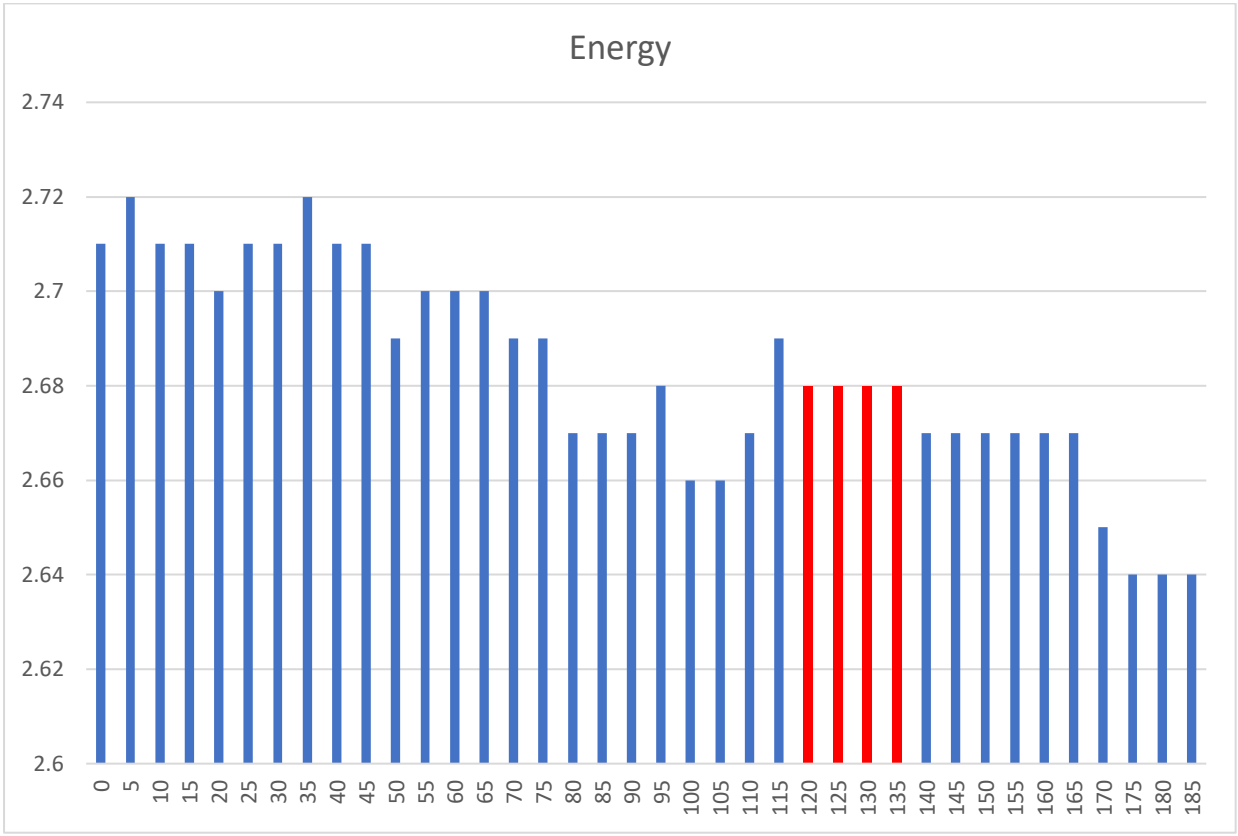
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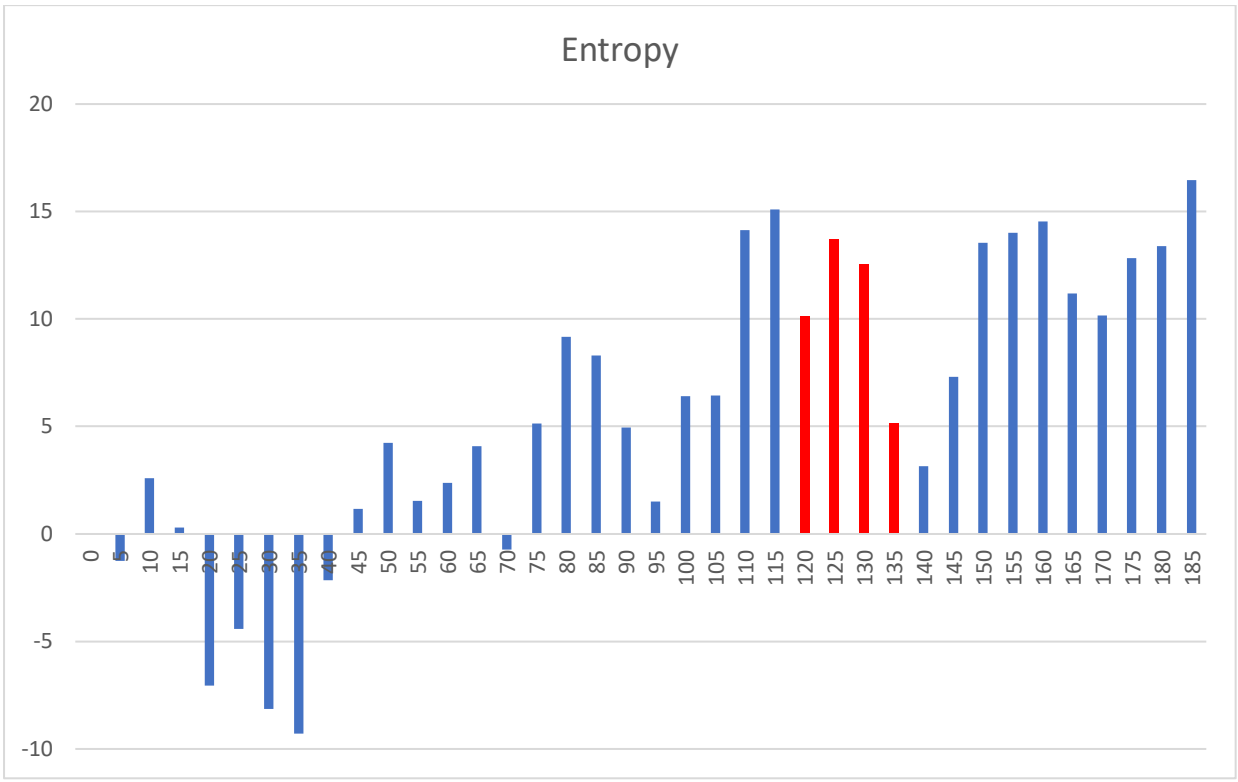
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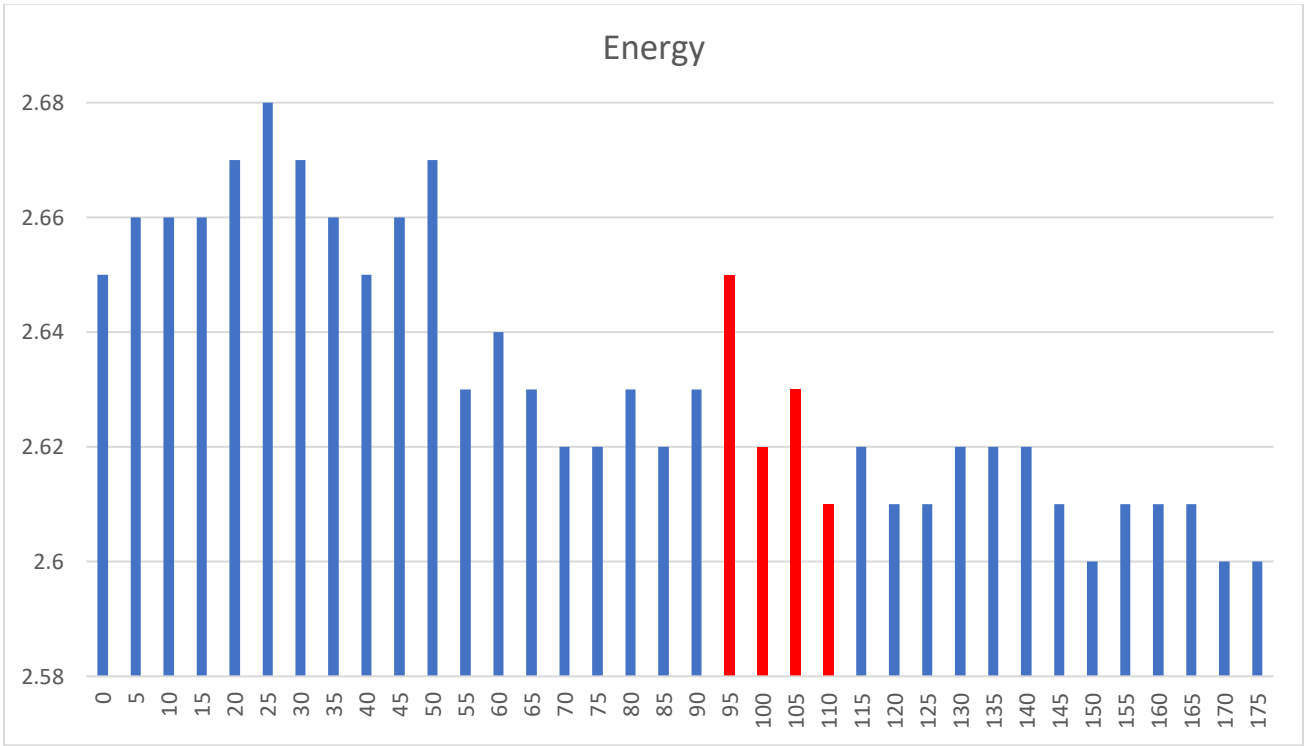
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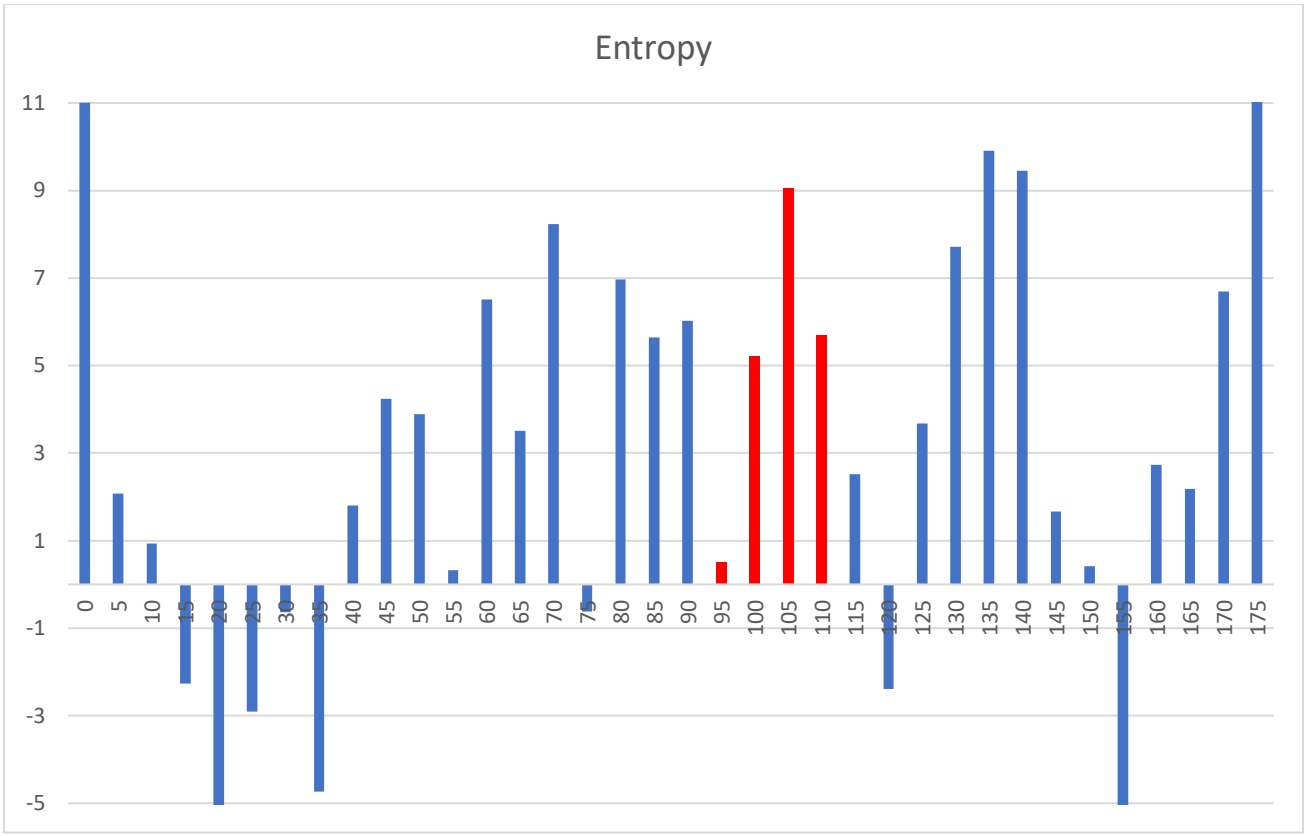
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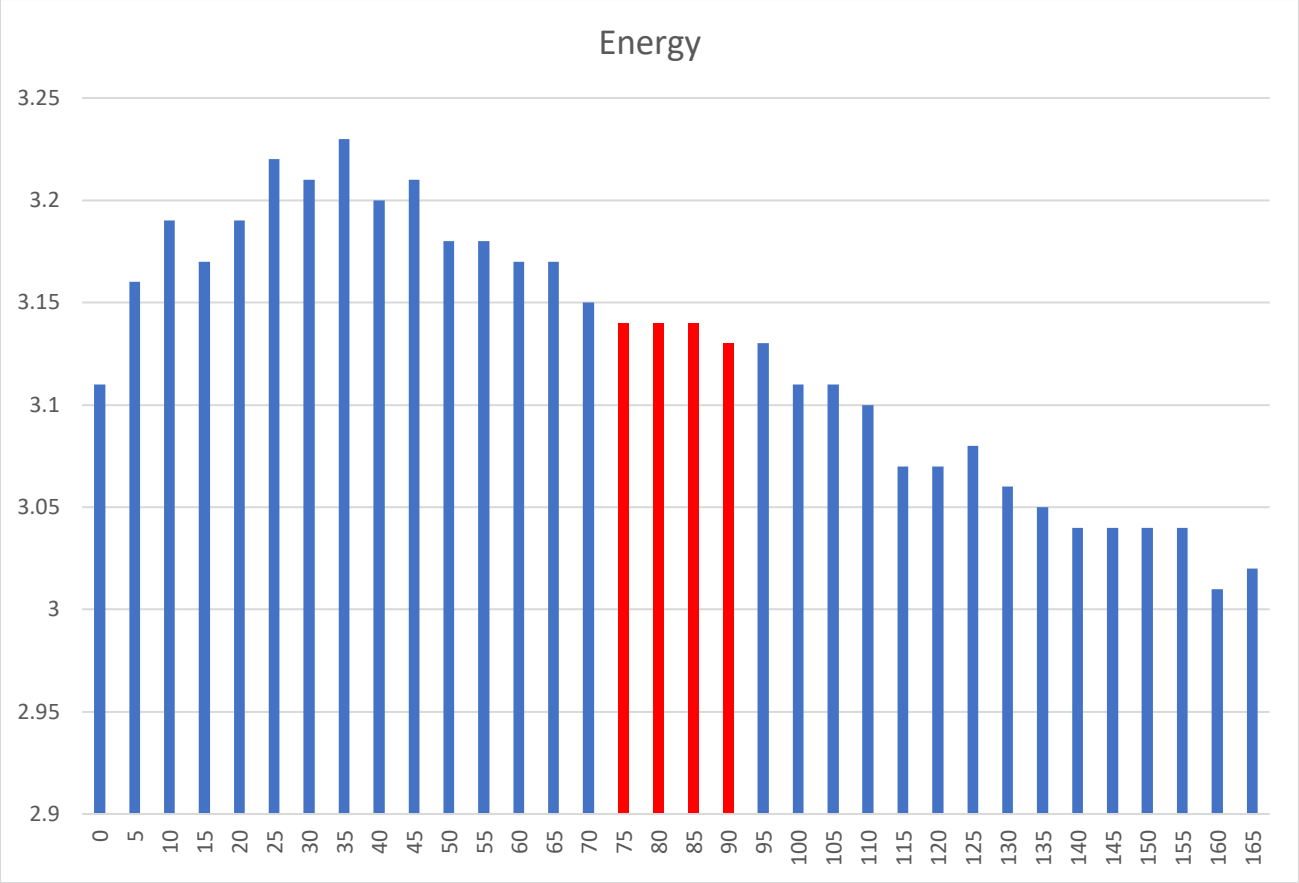
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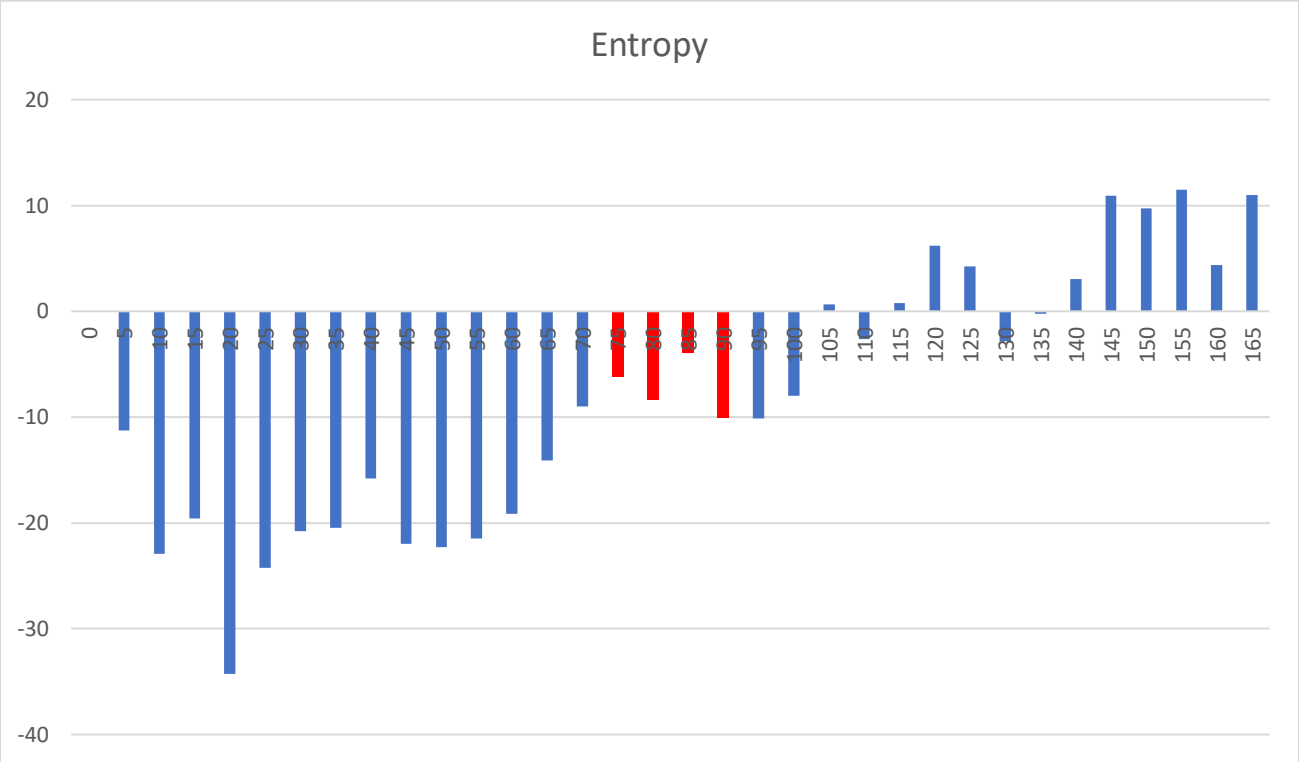
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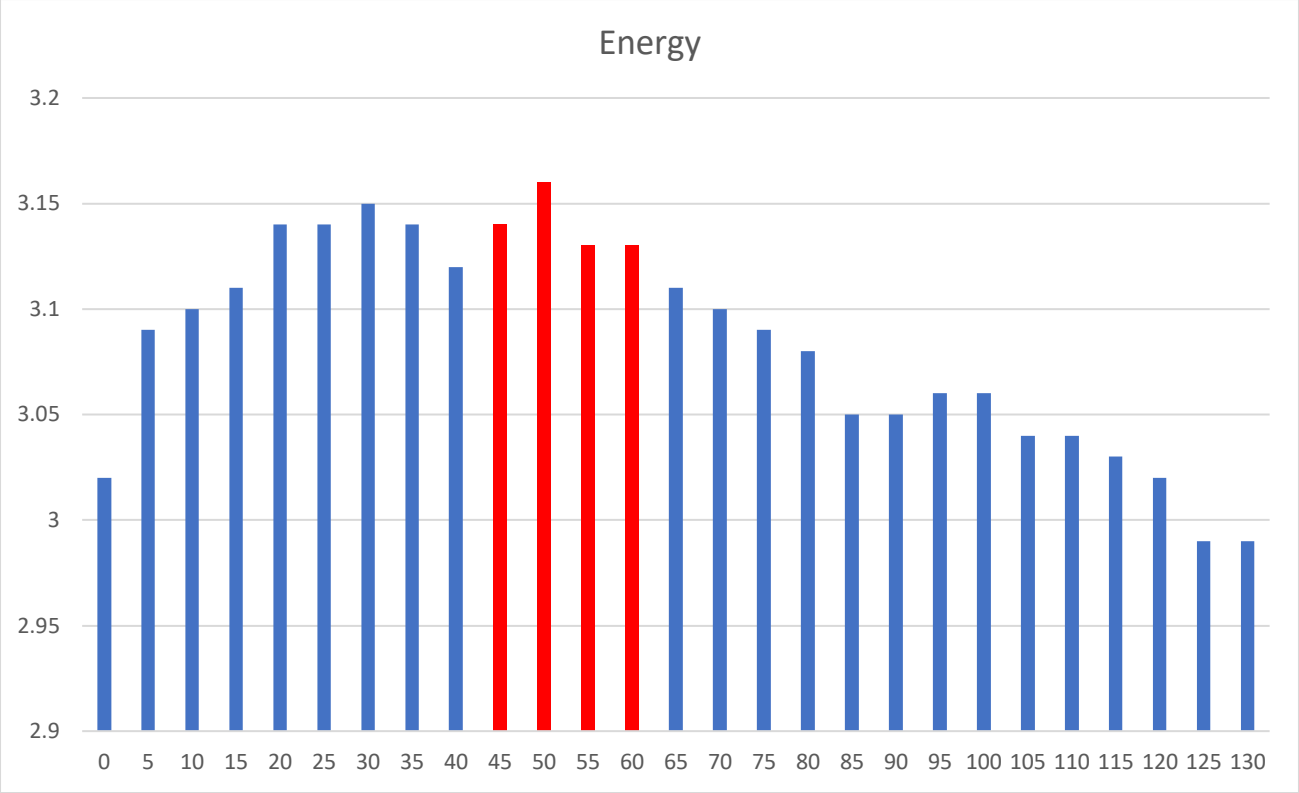
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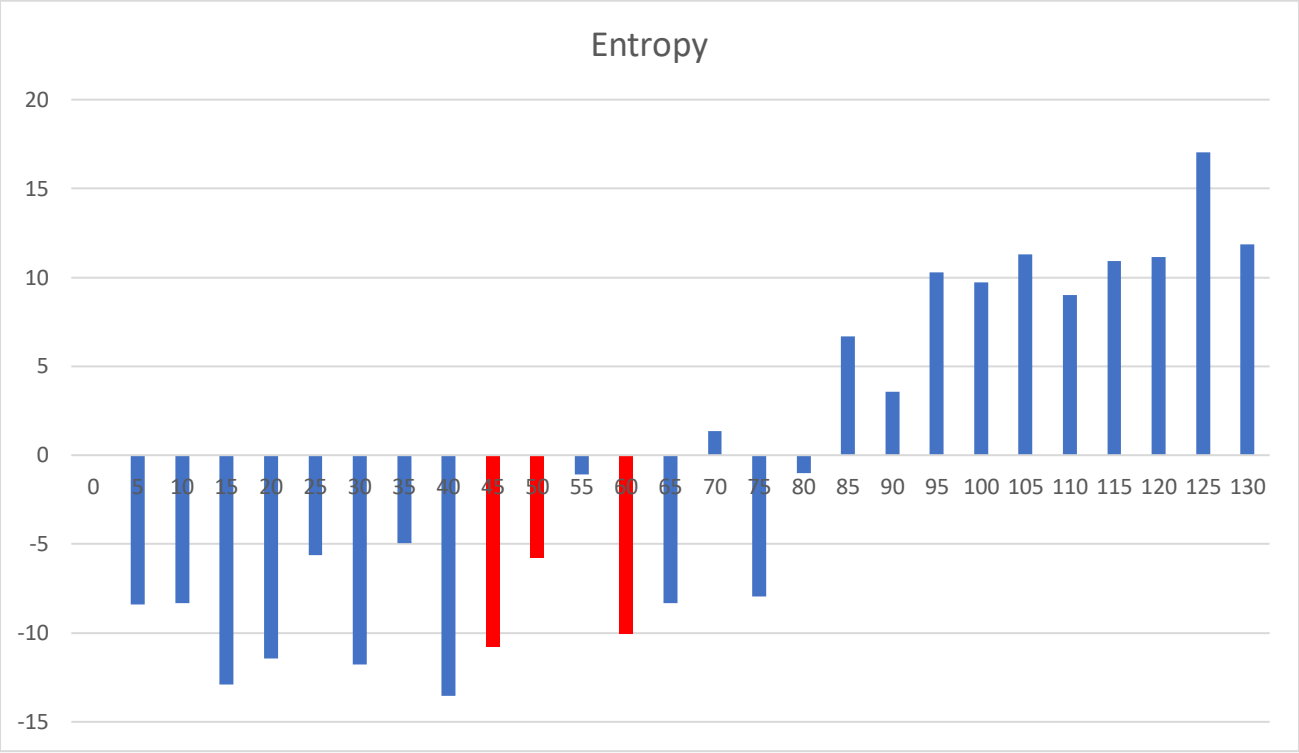
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