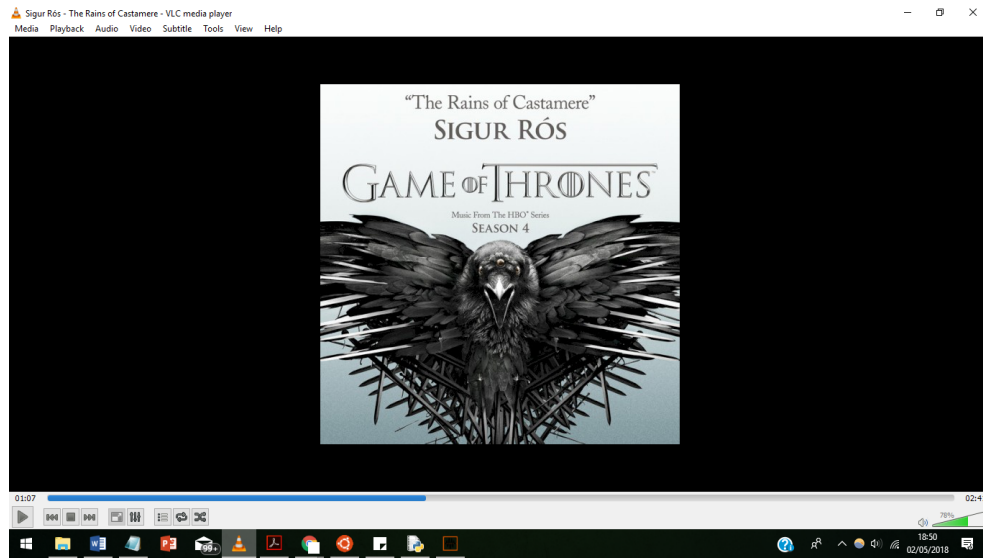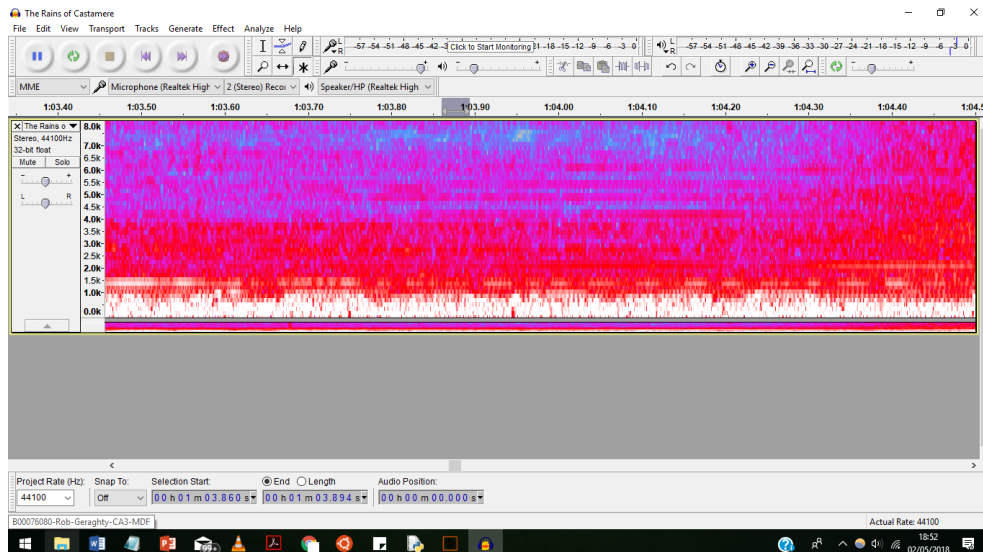# Rains of Castamere

Steganography
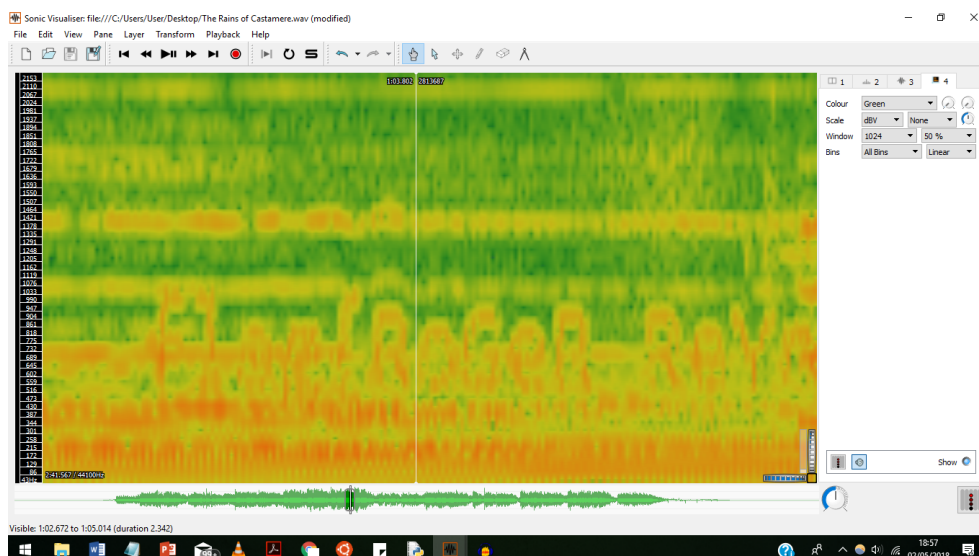
by *Rob Geraghty*

Download the Waveform file and listen to it.

Around the 1:03 minute mark there is some audio disturbance, which I know to be steganography in the spectogram of the sound file. Let's use Audacity to help see the spectogram.
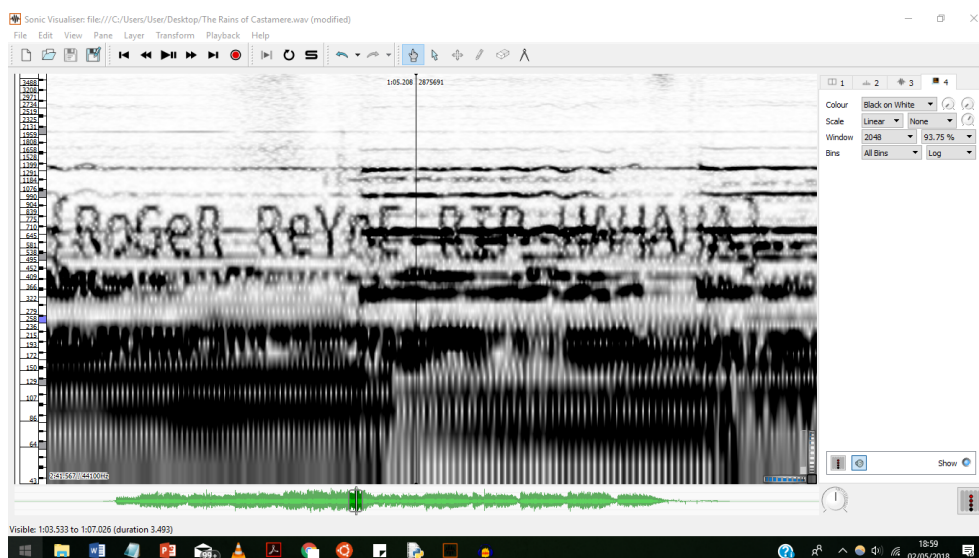
The quality is poor, maybe there are other tools out there that can offer a better image? Let's try Sonic Visualiser!

Zooming into the region of the strange noise, I can start to see something that looks like it could be the flag: `flag{RoGeR-ReY…`

I looked up Roger Game of Thrones on Google and found Roger Reyne, who died at Castamere in the series. I played around a bit with the options on the right.

More of the letters started to appear, so I made a few guesses. The one which resulted in the correct flag was `ZD2018{RoGeR_ReYnE_RIP_HAHAHA}`