

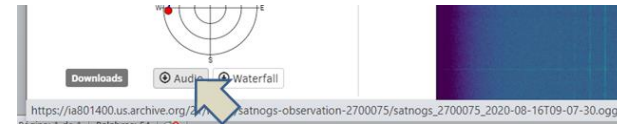
# Upload APT images generated with wxtoimg to your RPI SatNOGS station



## Install prerequisites:

```
sudo apt-get install sox
wget https://wxtoimgrestored.xyz/beta/wxtoimg-armhf-2.11.2-beta.deb
sudo dpkg -i wxtoimg-armhf-2.11.2-beta.deb
```

### 1. Download audio of the observation (get the link in the web observation)



```
wget https://ia801401.us.archive.org/34/items/satnogs-observation-2700095/satnogs_2700095_2020-08-16T17-43-44.ogg
```

### 2. Convert ogg file in wav format with 11025Hz

```
sox satnogs_2700095_2020-08-16T17-43-44.ogg -r 11025 satnogs_2700095_2020-08-16T17-43-44.wav
```

### 3. Generate the images with wxtoimg

```
wxtoimg -N -t n -e hvc satnogs_2700095_2020-08-16T17-43-44.wav > data_2700095_2020-08-16T17-43-44_hvc.png
```

Morning passes with **-N** suffix. Evening no **-N** suffix.

- e hvc** for HVC palette
- e hvct** for HVCT palette
- e za** for normal process
- t n** satellite type is NOAA

### 4. Move picture to temp directory for upload to satnogs.

```
sudo mv data_2700095_2020-08-16T17-43-44_hvc.png /tmp/.satnogs/data/
```

### 5. Delete ogg and wav files

```
rm *.ogg
rm *.wav
```