This folder contains temporal annotations of testing videos in Matlab and text formate for all 290 testing videos (150 videos contain normal activities, and 140 videos contain anomalous events). The annotations are provided to evaluate the performance of your anomaly detection algorithm (anomaly detection task).

**Matlab\_formate**

Each file contains a matlab structure named Annotation\_file. This structure contains:

Annotation\_file.Anno : The first column shows starting frame and second column show ending frames (you will have to convert each video to image frames first) . Negative number means no anomalous event instance.

Annotation\_file.VideoName: The name of the video

Annotation\_file.EventName: The event name.

**Text\_formate**

Each row of 'Temporal\_Anomaly\_Annotation.txt' is the annotation for a video, for example:

Abuse028\_x264.mp4 Abuse 165 240 -1 -1

* The first column is the name of the video
* The second column is the name of the anomalous event
* The third column is the starting frame of the event (you will have to convert each video to image frames first)
* The fourth column is the ending frame of the event.
* For videos in which second instance of event occurs, fifth and sixth contains starting and ending frames of second instance. Negative number (-1) means no anomalous event instance. In this example, only one instance of “abuse” is in this video.

Another example:

Arson011\_x264.mp4 Arson 150 420 680 1267

* In this example, there are two instances of anomalous event “arson”. The first instance starts at frame# 150 and ends at frame#420. The second instance is from frame 680 (start) to frame 1267 (end).

Normal\_Videos\_003\_x264.mp4 Normal -1 -1 -1 -1

* Normal videos do not contain any anomalous event, therefore have (-1) everywhere.

Note: Ours videos have 30 frames per second.