

Progress report:

- Experimented with Nuke image processing
 - Edge detection algorithms
 - AutoCrop
 - Blur/noise reduction
- Changed framework of the project slightly:
 - After some research, MATLAB offers advantages over python/tensorflow
 - easy to learn
 - lots of toolboxes
 - existing models
 - rapid development
 - familiar to both of us
 - can deploy to AWS cloud
 - local and cloud GPU support
- Received data (videos)
 - Conformed filenames, selected HS videos
- Modified MASTER spreadsheet
 - identify the stikes easier with event code (allow for alterations/insertions)
- Completed Matlab Deep Learning OnRamp training videos
- Refined the workflow

Agenda:**Problems:**

- Data labelling for ground truth:
 - Warm body? - Data labelling? XLS editor?
 - GUI editor?
- Video exporting:
 - Need to consult PCC/CV (Windows only) with offset of time
 - Some videos have +2 TZ, some have -2 TZ

Previous plan... are these still necessary:

- Correlate times with frame numbers? Is this required
- XLS -> csv

Plan for next week:

- Export cine to per video/per event image sequences
- Create per sequence image masks (Nuke)
- Extract training lightning frames from image sequences
- Start labelling events (CSV? Per frame? Per sequence?)
 - Try MATLAB's labelling features first
 - Time manual labelling workflow to determine the time cost/requirement for additional resources
- Experiment with Networks (initial transfer learning)
- Matlab image processing