

Introduction to Video Editing I

Queens College Art Department | Fall 2018

Professor Sofia Paraskeva | sofia.paraskeva@qc.cuny.edu

Week 12: 11/17/2018

ARTS 207 - 01

Saturday 1:00 pm - 4:50 pm

IB 212

introvideo1.copperbluemedias.com

Aspect Ratio

Aspect ratio is the ratio of the width of an image to the height

Main Formats:

NTSC/PAL	1.33:1 (4:3)
HDTV	1.78:1 (16:9)
Widescreen	1.85:1
Cinemascope	2.35:1
Academy *	1.37:1
4K Stereoscopic 360	2:1

* (Academy of Motion Picture Arts and Sciences)

Aspect Ratio

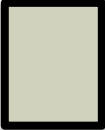
Understanding Aspect Ratio

<https://idearocketanimation.com/16662-video-aspect-ratio-guide/>

How to crop widescreen to Cinemascope

<https://vimeo.com/13037514>

Aspect Ratio

	7:9	2.3:3	0.77:1	Paper (8.5 x11in)
	12:9	4:3	1.33:1	Standard Television
	15:9	5:3	1.66:1	Photographs, many European movies
	16.7:9	5.3:3	1.78:1	HDTV, most widescreen TV
	19.9:9	5.6:3	1.85:1	Most movies
	19.9:9	6.6:3	2.21:1	Wide movies (70 mm)
	21.2:9	7.1:3	2.35:1	Wide movies (Panavision, Cinemascope)
	24.3:9	8.1:3	2.7:1	Extra-wide movies (Ultra Panavision)

Video Formats

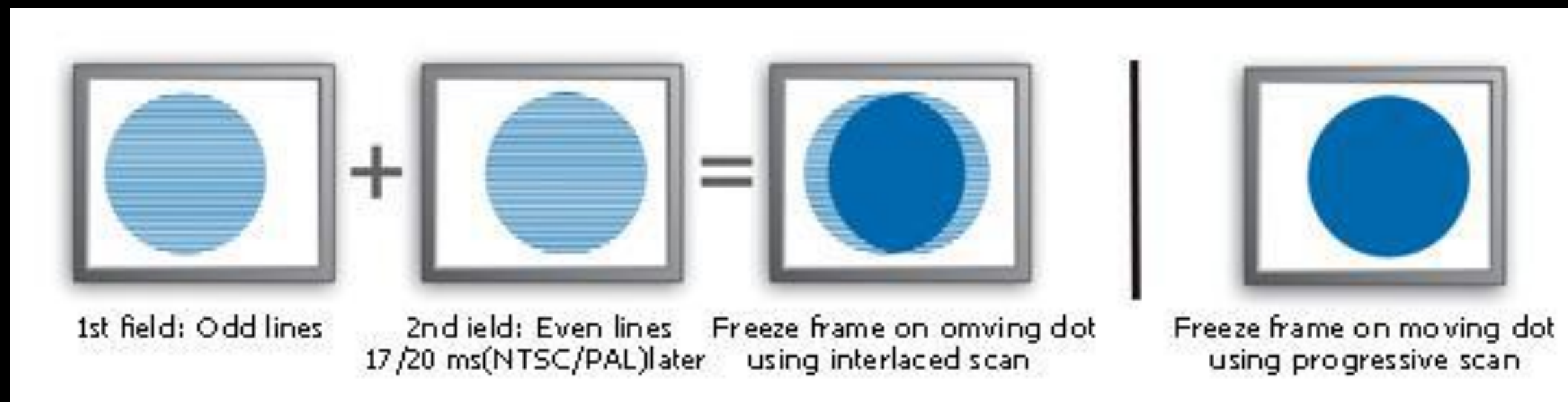
Format	Resolution	Aspect Ratio
Standard Definition (SD)	640 x 480	4:3
Standard Definition (SD)	640 x 360	16:9
720p HD	1280 x 720	16:9
1080p HD	1920 x 1080	16:9
2K	2560 x 1440	16:9
4K UHD	3840 x 2160	16:9
DCI 4K UHD	4096 x 2160	17:9
4K Monoscopic 360	4096 x 2048	2:1
4K Stereoscopic 260	4096 x 2048	2:1

Progressive vs. Interlaced Video

Interlaced video displays alternating sets of lines, called the Even field and the Odd Field for 1/60th of a second each consecutively.

Old video formats like NTSC and Pal use this method of scanning.

Progressive video displays, stores and transmits moving with all the lines of each frame are drawn in sequence. Progressive video displays the entire image in 1/60th of a second, 1 entire image per frame. HDTV and newer formats are progressive.



Premiere Effects

Premiere Effects

You can apply effects on:

Individual clips

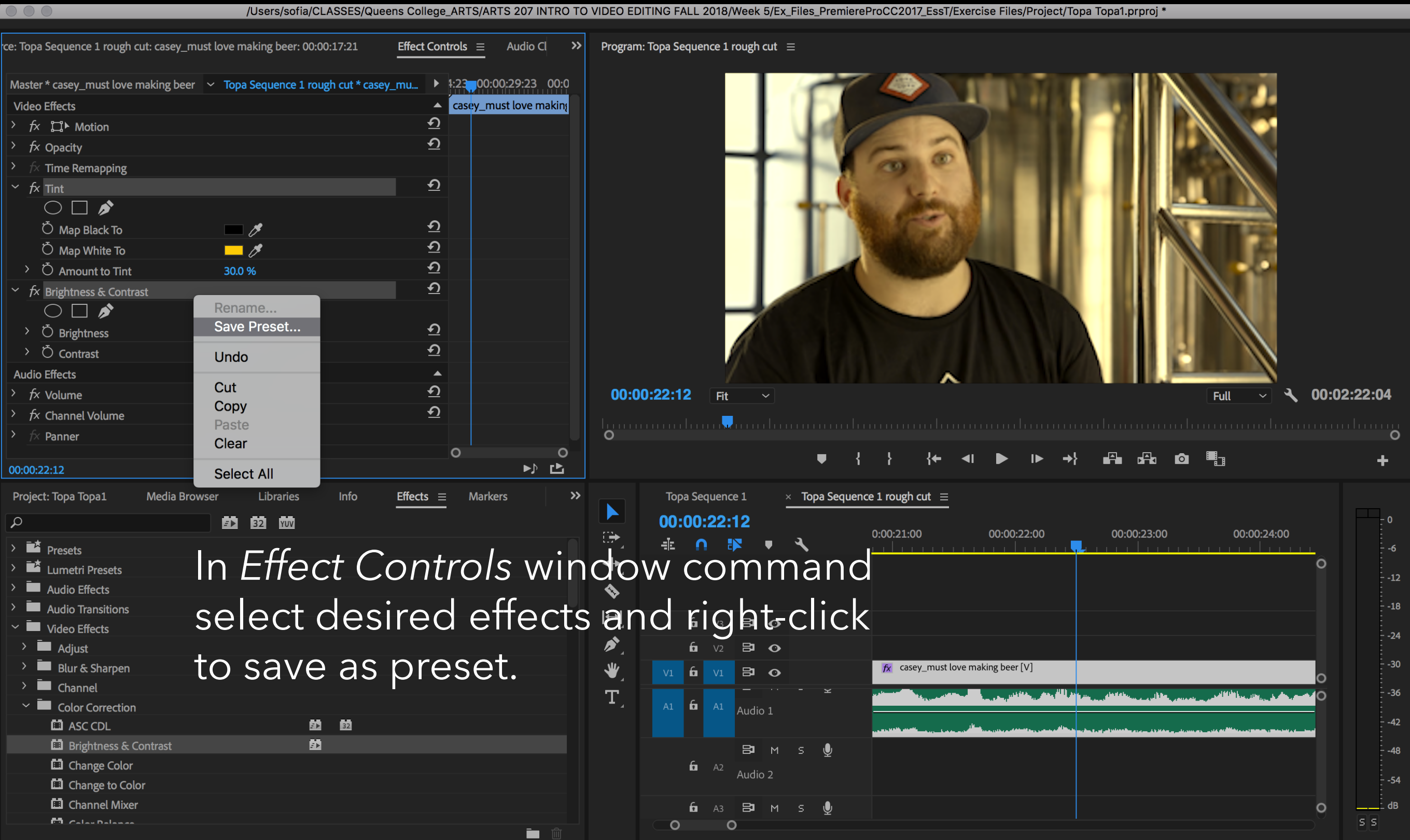
Master clips

Nested Sequences – to affect all clips nested in a sequence

Adjustment Layers – to affect all clips in timeline

Premiere Effects: Saving Presets

You can save a combination of effects as presets:



The screenshot displays the Adobe Premiere Pro interface. The top menu bar shows the file path: /Users/sofia/CLASSES/Queens College_ARTS/ARTS 207 INTRO TO VIDEO EDITING FALL 2018/Week 5/Ex_Files_PremiereProCC2017_EssT/Exercise Files/Project/Topa Topa1.prproj *. The main workspace is divided into several panels. On the left, the 'Effect Controls' panel is active, showing a list of effects applied to the selected clip: 'casey_must love making beer'. The 'Brightness & Contrast' effect is selected, and a context menu is open over it, with 'Save Preset...' highlighted. Other effects in the list include 'Tint', 'Map Black To', 'Map White To', 'Amount to Tint', 'Brightness', 'Contrast', 'Volume', 'Channel Volume', and 'Panner'. The 'Program' monitor on the right shows a preview of the video clip, a man with a beard wearing a cap. The timeline at the bottom shows the video and audio tracks, with a timecode of 00:00:22:12. A text overlay in the center of the interface reads: 'In *Effect Controls* window command select desired effects and right-click to save as preset.'

In Class Effects

Picture in Picture Effect

Crop

Dissolve (center on cut)

Cross zoom

Morph cut (6-8 frames)

Black & White

Tint

Auto-color

Gaussian blur w mask

3D

Title Effects

Graphics Effects

Adjusting Speed / Duration

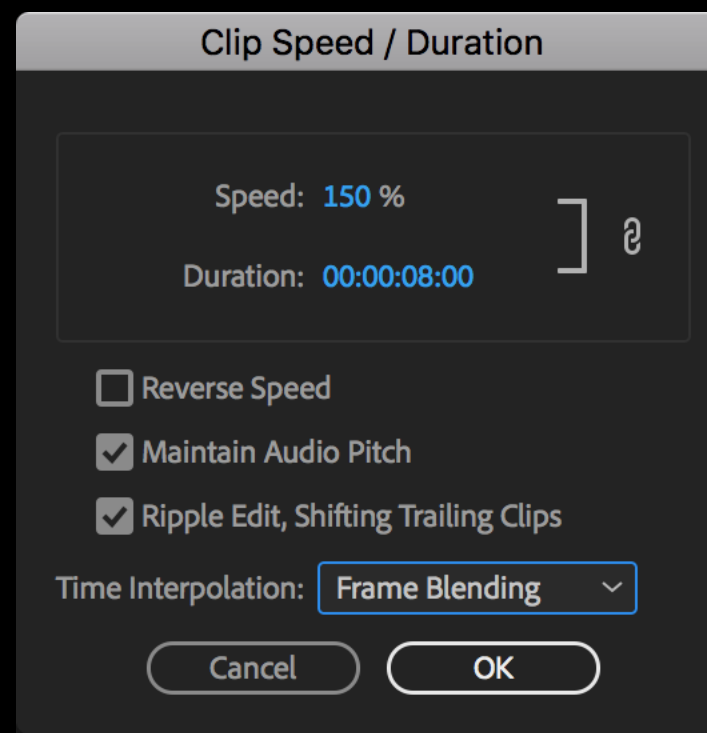
Use the Rate Stretch Tool (R)

For more control:

Select clip and from menu choose Clip – Speed/Duration

OR right click on clip and from menu choose Speed/Duration...

OR press keyboard shortcut Cmd+R to bring up Speed/Duration pop-up window



Adjusting Speed / Duration

To perform a Fit to Fill :

- Select a clip in the timeline and mark In and Out points (X)
- Press F to bring up Match Frame in the source window
- In source window select a new In and new Out points which could be shorter or longer than the clip in timeline.
- Overwrite (.) to change the duration and speed of clip in timeline.
- From the pop up menu choose Change Clip Speed (Fit to Fill)

Fit to Fill

Apple Premiere Pro CC interface showing a video editing project. The main preview window displays a scene with two men in a brewery. A "Fit Clip" dialog box is open, indicating that the source clip is longer than the destination and offering options to change clip speed or ignore in/out points. The timeline shows multiple video and audio tracks.

Fit Clip Dialog:

The source is longer than the destination.

Options:

- ☒ Change Clip Speed (Fit to Fill)
- ☐ Ignore Source In Point
- ☐ Ignore Source Out Point
- ☐ Ignore Sequence In Point
- ☐ Ignore Sequence Out Point

☐ Always Use This Choice

Timeline Tracks:

- V1: Video 1 (Main)
- V2: Video 2
- V3: Video 3
- A1: Audio 1
- A2: Audio 2

Project Panel:

- Week14.prproj
- Broll
- Bar_Tasting Room
- Brewery
 - brewery brew kettle. 1.
 - brewery_boil hops.n 1.
 - brewery_casey add 1.
 - brewery_casey and 1.

Freeze Frame

Place Playhead over desired frame in Timeline.

Right click and from pull-down menu select **Frame Hold Options...**

In the pop-up window choose **Playhead**

OR **Add Frame Hold** to freeze at a frame after motion.

OR **Insert Frame Hold Segment** to freeze in between motion.

Basic Color Correction

Adjust Color Correction according to:

Black levels

White levels

Skin tone

Contrast

Color Balance

Saturation

Obsolete color effects:

Auto color

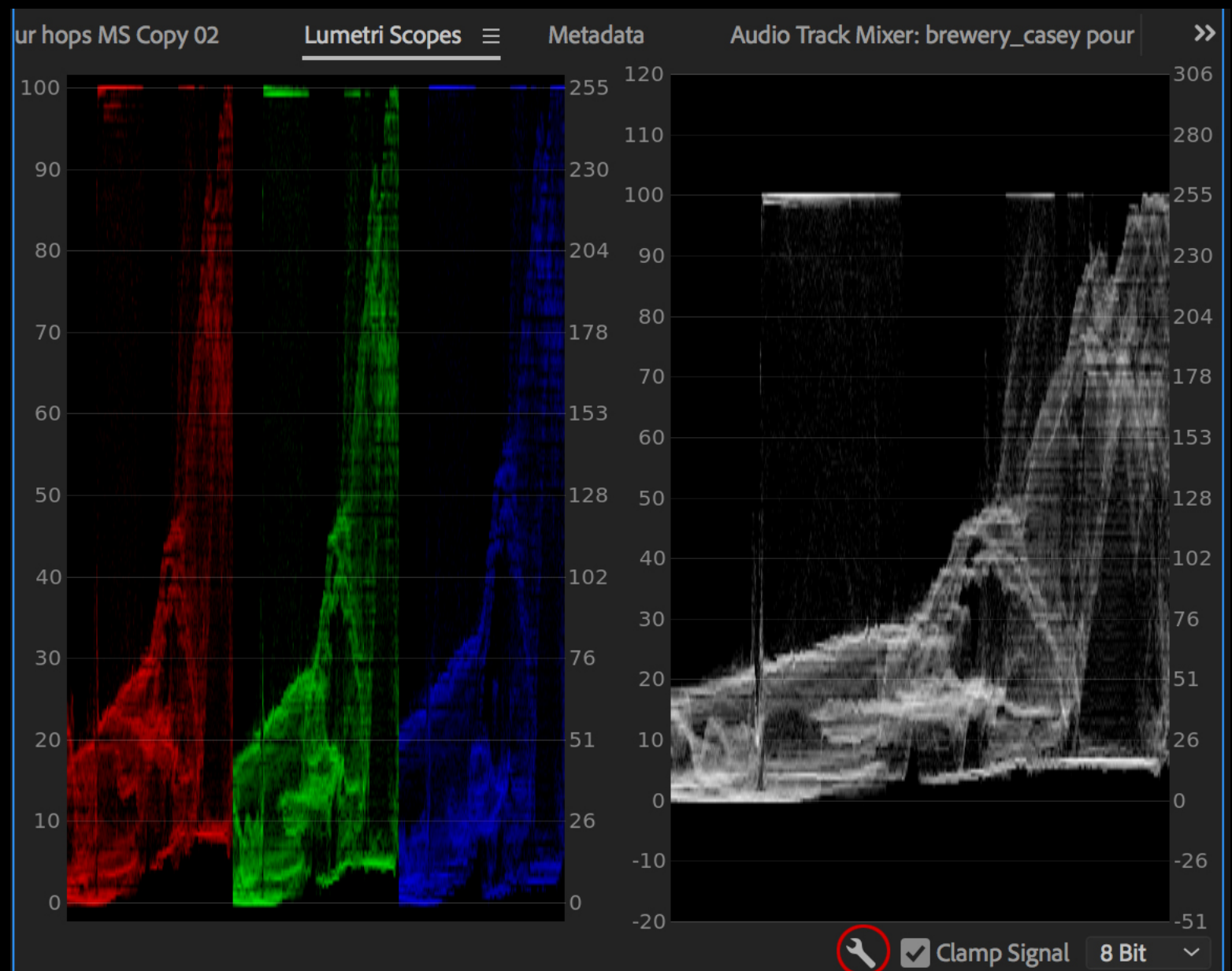
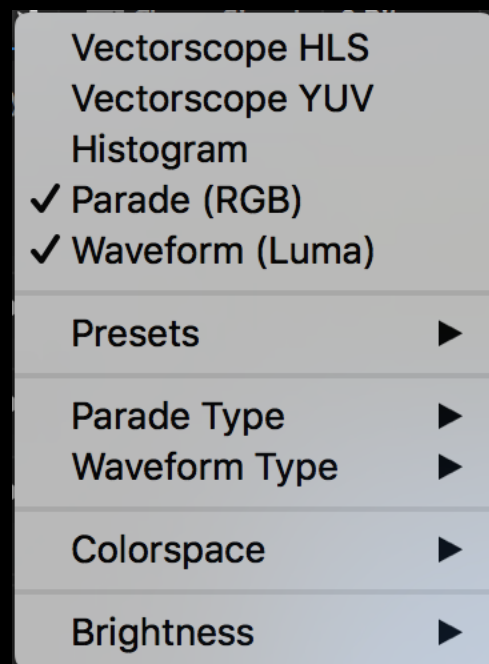
Auto contrast

Auto levels

Basic Color Correction

To enable accurate Color Correction open the Lumetri Scopes from the Window menu

Click on the wrench icon and choose Parade RGB and Waveform Luma



Lumetri Color Correction

From the Window menu choose *Lumetri Color*

Adjust:

Contrast

Brightness (Exposure)

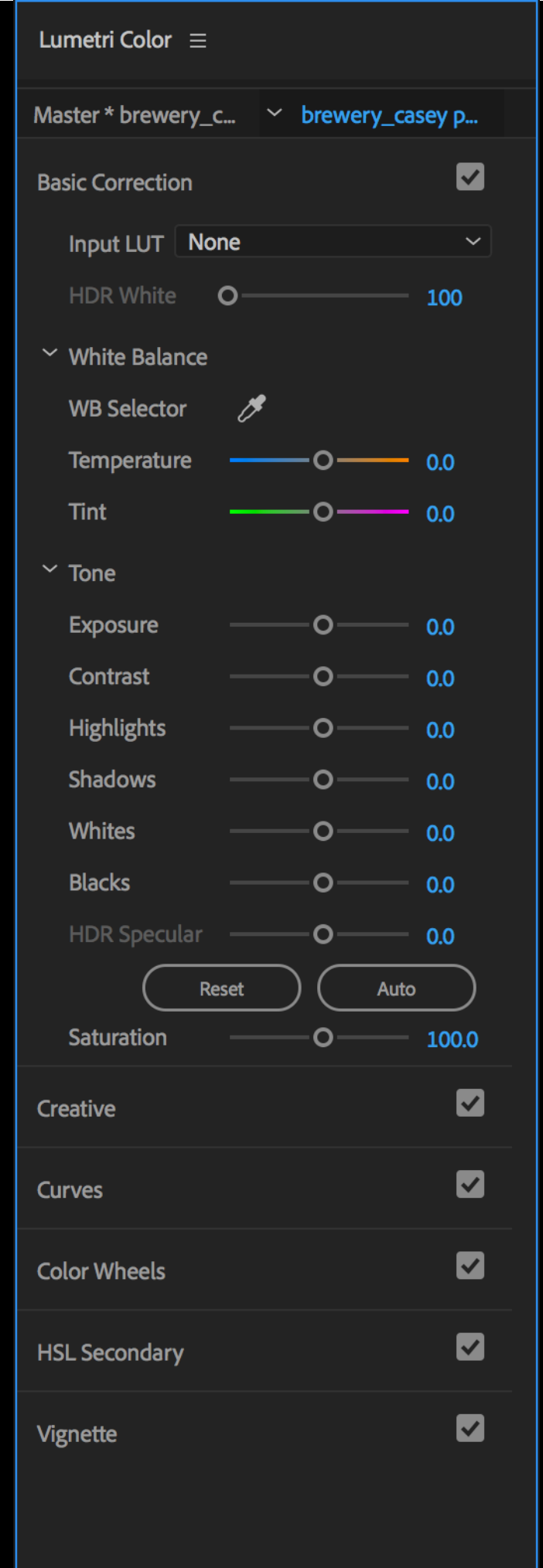
Black levels

White levels

Highlights

Shadows

White Balance (tint)



In Class Effects

Default Transitions Shortcuts:

shift + D add default transitions

cmd + D add default transition to video

cmd + shift + D add default transition to audio

Set any Transition as default:

In Effects Window selecting the desired Video or Audio effect, right-click, click Set Selected as Default Transition

Adjust default duration of Transitions:

Preferences/Timeline/Duration of Video, Audio, and Stills
Transitions

Effects Tutorials

Basic Color Correction

<https://www.lynda.com/Premiere-Pro-tutorials/Using-automatic-basic-color-correction-tools/585268/619886-4.html>

Color Correction with Curves

<https://www.lynda.com/Premiere-Pro-tutorials/Following-proper-color-correction-workflow-using-Lumetri-Color-toolset/585268/619887-4.html>

Manipulating Clip Speed

<https://www.lynda.com/Premiere-Pro-tutorials/Creating-freeze-frames-stills/585268/619881-4.html>