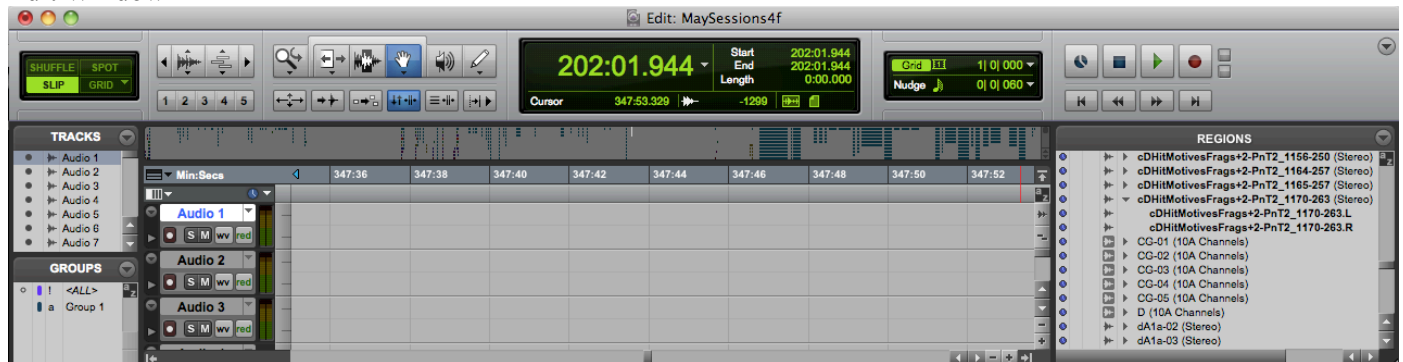


# 025:250 COMPOSITION: ELECTRONIC MEDIA I

Fall 2013

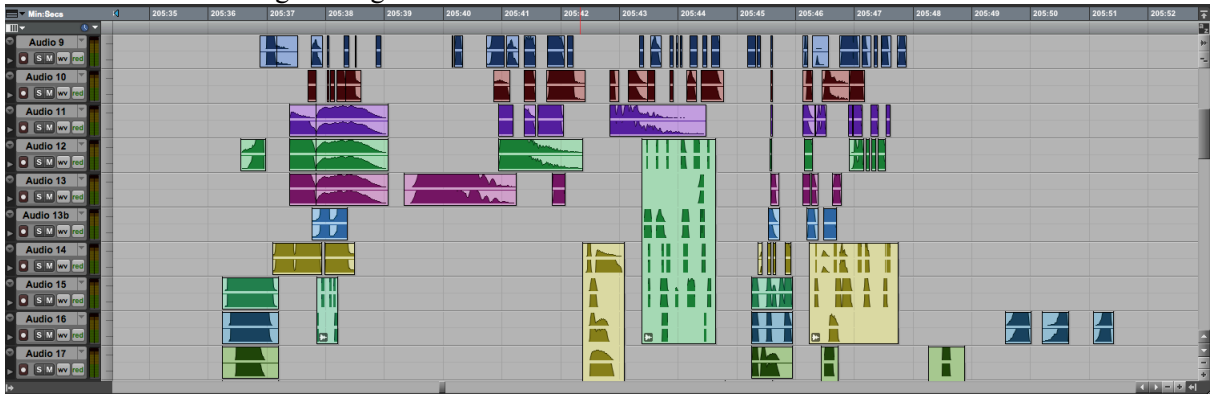
## Pro Tools Overview

1. Multi-track DAWs
  - a. Pro Tools history
  - b. Other DAWs: GarageBand, Logic, Digital Performer, Reaper
2. Interfaces
  - a. Digidesign interfaces: Digi-001 to 003, M-Box series
  - b. Other interfaces: MOTU and Metric Halo
3. Audio sample rate and bit-depth
  - a. Sample rate definition
  - b. Bit depth definition
  - c. Standard formats
4. Editing and Mixing in Pro Tools
  - a. Destructive and non-linear editing
  - b. Soundfiles and regions
5. Edit Window



- a. The top panel consists of track mode buttons, zoom buttons, edit tools, counters and edit selection indicators, grid and nudge value selectors, and transport controls.
  - b. Directly beneath these icons, is the universe overview, similar to the overview in Peak.
  - c. Underneath the universe view are time markers and rulers.
  - d. On the far left, are the Tracks List and Groups List. This column can be hidden and resized at the bottom of the window.
  - e. To the right of these lists, are the track controls.
  - f. To the right of the track controls are the track playlists; in class, this is referred to as the edit window.
  - g. On the far right is the region list. This column can be hidden and re-sized.
6. Region List
    - a. All audio files, regions, and groups are found in this list.
    - b. Audio soundfiles are displayed in boldfaced font.
    - c. Stereo files consist of 2 mono files, denoted L and R.
    - d. When an audio file is edited, it is displayed in plain font text.
    - e. Audio files and non-audio edits are called regions.
    - f. When a non-audio region is processed with a plug-in, it becomes an audio file. Appended to such a file is an abbreviation of the type of process or plug-in operation that created it.
    - g. Regions can also be grouped, as seen in the list and discussed in class.
  7. Window Control
    - a. Re-sizing the window.
    - b. Scroll bars.
    - c. Horizontal zoom key commands are cmd] and cmd[, the same as Peak.

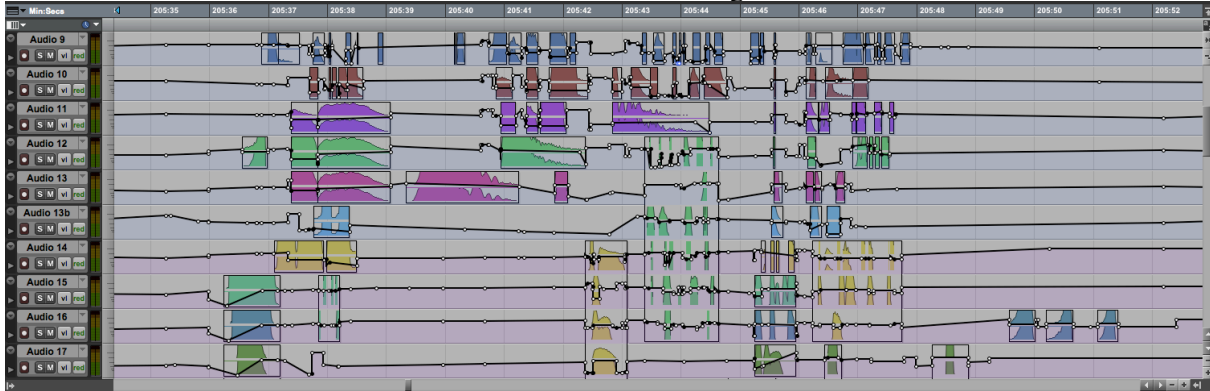
8. Tracks and Regions in the edit window are discussed below.  
a. Shown below are regions organized in tracks.



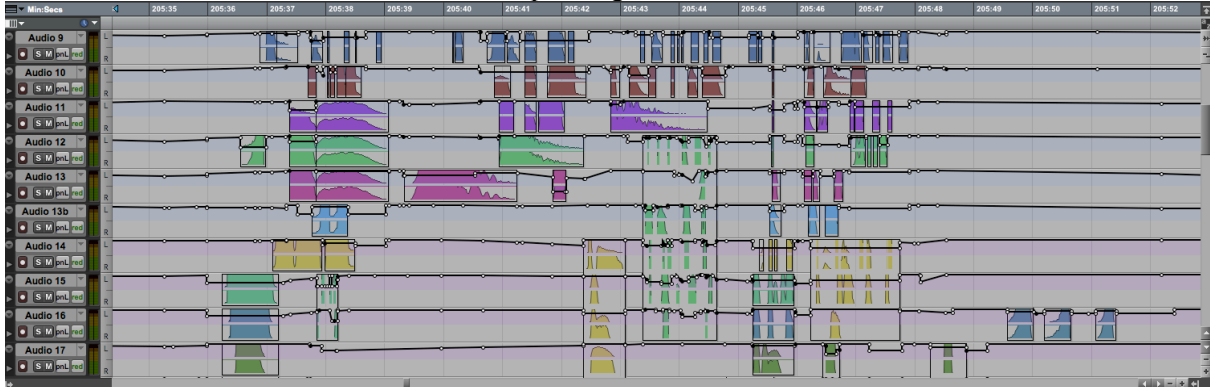
- b. Notice that some regions are grouped together, which makes moving gestures, motives, and phrases easier.  
c. Consider that a group can be pitch-shifted together as a unit, or the individual tracks can be pitch-shifted independently.

9. Track Automation

- a. Shown below are the automated volume controls for the regions above in Item 4a.



- b. Below are the automated controls for left panning.



- c. Below are the automated controls for right panning.

