* High priority
  + What is a single piece of “input data” to CNN?
    - Multiple inputs can exist for a single fire, but be wary of introducing bias
      * For example, have to think about the consequences of having more input data points for bigger or longer-lasting fires
    - Using a posteriori information while preprocessing input data (e.g. the final boundary of the fire) can introduce bias
  + Basic diagnostic tools to check for gaps in VIIRS (fire pixel) data
    - Toss bad fires for now
    - If too many gaps, or if spare time later, can try imputation
* Medium priority
  + Merge more fire boundaries with SIT reports (I did the bare minimum using IRWIN\_ID)
    - Wait on meeting with WRMS, they may have good solution here
    - Challenge on interpreting SIT reports: fires merge and change names
      * Tossing more of these cases \*could\* introduce bias against fire growth, though maybe this is minor
      * August Complex fire is a case study in challenge of this merge
    - Look into quality of these boundaries, especially when >1 boundary to same IRWINID
  + Do something smarter to deal with the case of a fire pixel matching to multiple fire boundaries
    - Related to issue of multiple fires becoming one
    - Currently just deleting fires with any ambiguity
  + Better representation of natural breaks
    - Finer processing of vegetation layer for roads/rivers?
    - Get new datasets
  + Feature engineering with aspect
    - Have to figure out what the aspect is (DONE SEE NOTES BELOW)
* Low priority
  + Look into why HRRR resolution seems to vary (it’s fine if not symptomatic of larger bug)
* Last priority
* Other random questions or notes
  + Surface temp HRRR affected by fire?
  + Clip PRATE data
  + When can we say 0 treatment? As in, can we ever rule out the possibility of missing data?
  + Exponent beta for grid fire activation depends on tick length and time resolution
  + Do we want more time-granular weather data? (probably)
  + Do we want weather forecasts? (maybe)
  + Do we want to normalize the timesteps of analysis to local time instead of UTC? (probably)
  + Aspect 0 = down north, 90 = down east, 180 = down south, 270 = down west
* CNN
  + Tensor flow data preprocessing as part of process so I can read in lots of data