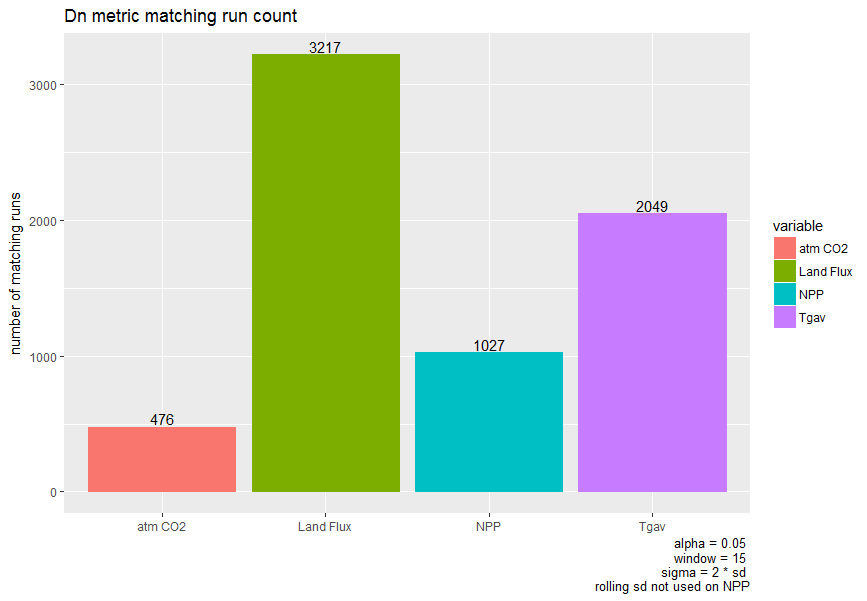


* The dark blue line is the global NPP aggergated from MODIS NPP, the ribbon is equal to +/- 10% of the global value
* The Hector runs that “match” the observations based on the Dn metric ~ 1000
* Calculating Dn
  + S2n = .10 \* NPP, I did not know how to figure out the variability/error because we aggregated I don’t think we can do the sd
  + Sigma^2 = (s \* sd) ^2, I did not use the mean rolling sd here because the time series is not that long enough to have a climate signal in it so we don’t have to wory about the balance between cliamte varibailty and the climate signal



* atm CO2, Land Flux, and Tgav all use the rolling sd method with a 5 year window size
* NPP does not use the rolling sd method

C:\Users\dorh012\Documents\hector-SA-npar\diag-out\run_count_venndiagram.png

* When we combine the numbers from this plot with the previous plot
  1. Only 25% of the land flux passing runs also match at least one other observation
  2. ~67% of the matching Tgav runs also match at least one other observation
  3. ~89% of the matching NPP runs also match at least one other observation
  4. ~94% of the matching atm CO2 runs also match at least one other observation

## CMS Meeting Notes May 30

So CH liked the MODIS NPP figure / the normal bar run count, but has mixed feelings on the Venn diagram because there are so many categories that it is overwhelming. Not very clear.

## To Do List

* Write up the methods section. Can copy a lot from that one paper, very similar set up
  1. Outline
  2. Very detailed outline
  3. Check in with CH before starting the actual writing
* GCAM 5 w/ Hector 2 runs
  1. Come up with the method for selecting the parameter sets
     + We want to do the 2 from each category on the venn diagram and then look at the full 5,000 spread
  2. ~~Fix the batch maker / xml code~~
  3. Run GCAM 60 times
     + Reference
     + 2.6 target finder
  4. Run GCAM 60 times
  5. Look for patterns in the results… do the basic UIUC figures may be
* Make 2100 temperature ranges figure
  1. ~~Come up with the method for selecting the extreme values at 2100~~
  2. Plot the temperature paths… will need some method of indicating what group the runs fall into
* ~~Clean up the repo documentation~~ 
  1. ~~This is a minor priority mostly has to do with my sanity can only do if it looks like dooms day or finish other things. Hopefully just cause I finish other things.~~