04 Main

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
##install.packages("tidyverse")
library(tidyverse)
## -- Attaching packages -----
                                       ----- tidyverse 1.3.0 --
## v ggplot2 3.3.3
                      v purrr
                               0.3.4
                               1.0.5
## v tibble 3.1.0
                      v dplyr
## v tidyr
           1.1.3
                     v stringr 1.4.0
## v readr
            1.4.0
                     v forcats 0.5.1
## -- Conflicts ----- tidyverse conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                    masks stats::lag()
library(lubridate)
## Attaching package: 'lubridate'
## The following objects are masked from 'package:base':
##
      date, intersect, setdiff, union
##
## Main script for phenology analysis
## Load required functions
if(file.exists("01_download_phenocam.R")) source("01_download_phenocam.R")
if(file.exists("02_plot_phenocam.R"))
                                        source("02_plot_phenocam.R")
if(file.exists("03_logistic.R"))
                                        source("03_logistic.R")
## Download phenology data
URL <- "http://phenocam.sr.unh.edu/data/archive/uiefprairie/ROI/uiefprairie_GR_1000_1day.csv"</pre>
prairie_pheno <- download_phenocam(URL)</pre>
##
## -- Column specification -----
## cols(
    .default = col_double(),
##
    date = col_date(format = ""),
##
    midday_filename = col_character(),
##
##
    snow_flag = col_logical(),
##
    outlierflag_gcc_mean = col_logical(),
```

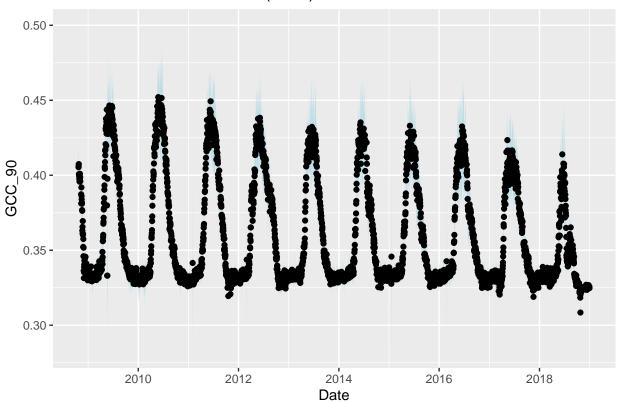
outlierflag_gcc_50 = col_logical(),

##

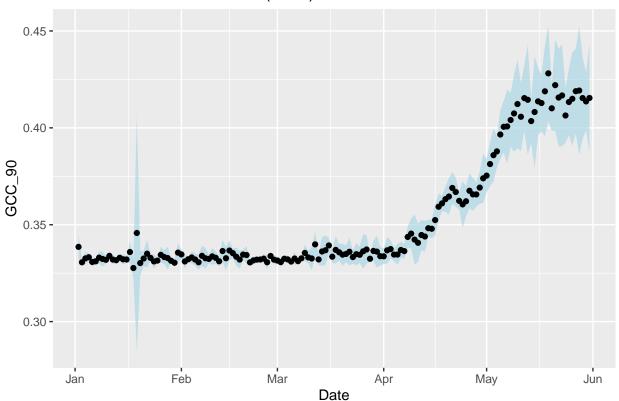
```
## outlierflag_gcc_75 = col_logical(),
## outlierflag_gcc_90 = col_logical()
## )
## i Use `spec()` for the full column specifications.
## Plot overall phenology data
plot_phenocam(prairie_pheno)
```

Warning: Removed 65 rows containing missing values (geom_point).

U. Illinois Tall Grass Prairie (2015)



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