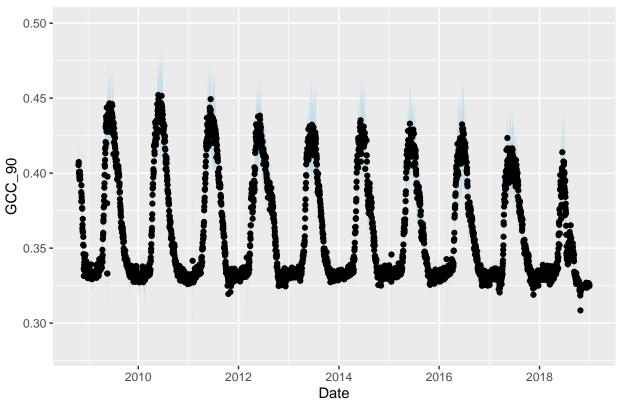
## 04\_Main

```
install.packages("tidyverse")
## Installing package into '/home/rstudio-user/R/x86_64-pc-linux-gnu-library/4.0'
## (as 'lib' is unspecified)
## also installing the dependencies 'colorspace', 'sys', 'ps', 'farver', 'labeling', 'munsell', 'RColor
install.packages("lubridate")
## Installing package into '/home/rstudio-user/R/x86_64-pc-linux-gnu-library/4.0'
## (as 'lib' is unspecified)
library(tidyverse)
                                          ----- tidyverse 1.3.0 --
## -- Attaching packages -----
## v ggplot2 3.3.3
                   v purrr 0.3.4
## v tibble 3.1.0 v dplyr 1.0.5
## v tidyr 1.1.3 v stringr 1.4.0
          1.4.0
## v readr
                   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("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(),
```

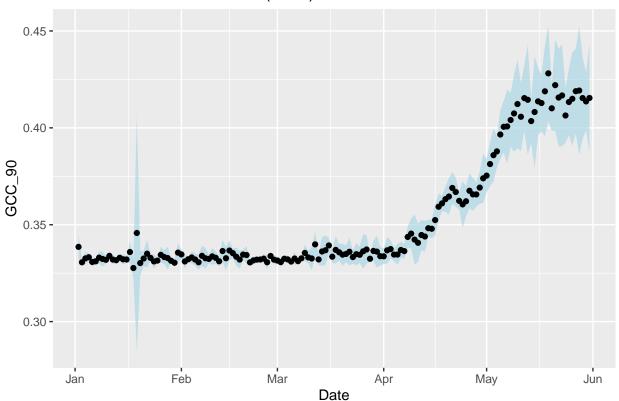
```
## outlierflag_gcc_mean = col_logical(),
## outlierflag_gcc_50 = col_logical(),
## outlierflag_gcc_75 = col_logical(),
## outlierflag_gcc_90 = col_logical()
## i Use `spec()` for the full column specifications.
## Plot overall phenology data
plot_phenocam(prairie_pheno)
```

## Warning: Removed 65 rows containing missing values (geom\_point).

## U. Illinois Tall Grass Prairie (2015)



## U. Illinois Tall Grass Prairie (2015)



## U. Illinois Tall Grass Prairie (2015)

