Converting time of observed data to match wrfout time

#Converting Time of Observed data to match WRFout time   
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#Loading in packages  
library(tidyr)  
library(dplyr)

#Set Working Directory and load .csv  
setwd("/home/thomasz/Desktop/toolik\_timeseries/toolik\_timeseries")  
toolik <- read.csv('1-hour\_data.csv', header = TRUE, skip = 0, sep = ",")  
  
#Making all hours 4 digits  
toolik$hour <- sprintf('%04d',toolik$hour)  
  
#Formatting into time  
toolik$hour <- format(strptime(toolik$hour, format = "%H%M"), format = "%H:%M")  
  
#Making date into a date category  
toolik$date <- as.Date(paste(toolik$date), format = "%Y-%m-%d")  
  
#Merging date + hour  
toolik$date\_time <- paste(toolik$date, toolik$hour)  
toolik$date\_time <- format(strptime(toolik$date\_time, format = "%Y-%m-%d %H:%M"), format = "%Y-%m-%d %H:%M:%S")  
toolik$date\_time <- as.POSIXct(toolik$date\_time, format = "%Y-%m-%d %H:%M:%S")  
  
#Making new csv  
toolik\_clean <- dplyr::select(toolik, date\_time, air\_temp\_3m)  
write.csv(toolik\_clean, file = "3-hour\_converted.csv")