Saddle hourly data download, import, and merge workflow:

1. Download hourly Saddle data from Niwot LTER FTP
   1. <ftp://niwotftp.colorado.edu/pub/climdat/>
2. No .sdl files like the .c1 and .d1 files for early in data record
   1. Hourly data begin in 1990 with files compiled by year (e.g. 1990.sdl.hr)
3. Some of the yearly files have multiple formats embedded within
4. Any files that were changed slightly were put into the “preprocessed” folder
   1. This includes:
      1. Split yearly files with headers added
5. Missing data
   1. 1990 days 248 @ 1000 through 303 @ 1600
      1. Gone
   2. 1991 days 24 @ 1200 through 54 @ 0600
      1. Gone
   3. 1991 days 60 @ 2300 through 79 @ 1100
      1. Gone
   4. 1991 days 163 @ 0900 through 181 @ 2300
      1. File from Hope
      2. Processed and added to 1991d.sdl.pre.hr preprocessed file
   5. 1991 days 185 @ 1000 through 196 @ 0800
      1. gone
   6. 1991 days 221 @ 1000 through 233 @ 0200
      1. File from hope
      2. Processed and added to 1991d1.sdl.pre.hr preprocessed file
   7. 1991 days 305 @ 1300 through 365 @ 2300
      1. gone
   8. 1992 days 1 @ 0000 through 27 @ 0700
      1. gone
   9. 1992 days 140 @ 0900 through 155 @ 1000
      1. gone
   10. 1995 days 356 @ 1300 through 365 @ 2300
       1. File from Hope
       2. Processed and added to 1995c.sdl.pre.hr preprocessed file
   11. 1997 days 290 @ 0000 through 365 @ 2300
       1. File from Hope
       2. Processed and added to 1997c.sdl.pre.hr preprocessed file
   12. 2005 all days
       1. File received from Hope, processed and added to preprocessed folder
   13. 2007 days 1 through 3
       1. (gone)
   14. 2007 days 143 through 149
       1. (gone)
6. 10dec86.sdl removed because daily data only
   1. 27dec87.sdl
   2. 28feb89.sdl
   3. 30apr89.sdl
   4. 30jun89.sdl
   5. 30nov89.sdl
   6. 30sep87.sdl
   7. 30sep89.sdl
   8. 31aug89.sdl
   9. 31dec88.sdl
   10. 31dec89.sdl
   11. 31jan89.sdl
   12. 31jul89.sdl
   13. 31mar89.sdl
   14. 31may89.sdl
   15. 31oct89.sdl
7. Note when importing into R
   1. Set all columns as as.numeric (some have leading zeroes and may be imported as text)