Climate Change Project

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2024-02-09

Updated: 2024-02-09

Guide 1

Chunk 1

```
source("/home/mwl04747/RTricks/04_Regional_Climate_Trends/Guides/Guide1functions.R")
```

Chunk 2

```
my.state = "CA"
filename.csv <- "/home/mwl04747/RTricks/04_Regional_Climate_Trends/stations.active.oldest.csv"
my.inventory <- readInventory.fun(filename.csv, my.state)</pre>
```

Chunk 3

```
datapath = "/home/mwl04747/RTricks/04_Regional_Climate_Trends/Data/SP24/"
downloadStations.fun(datapath, my.inventory)
```

Guide 2

Chunk 1

```
source("/home/mwl04747/RTricks/04_Regional_Climate_Trends/Guides/Guide2functions.R")
```

Chunk 2

```
datafolder = "/home/mwl04747/RTricks/04_Regional_Climate_Trends/Data/SP24/"
ReadStations2.fun(datafolder)
```

Chunk 3

sortstations.fun() Nor working yet.

Chunk 4

USC00042294a <- fixDates.fun(USC00042294)

Chunk 5

coverage.fun(USC00042294a)

[1] 86.33

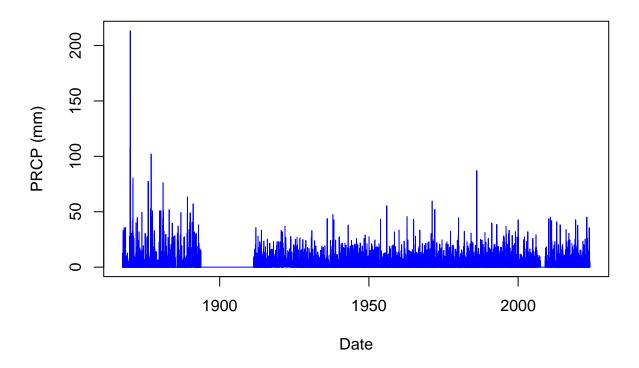
Chunk 6

USC00042294b <- fixValues.fun(USC00042294a)</pre>

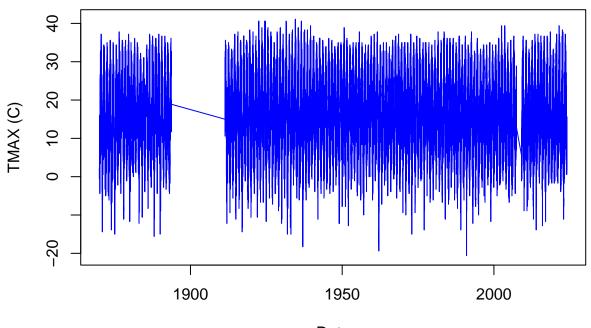
Chunk 7

QAQC.fun(USC00042294b)

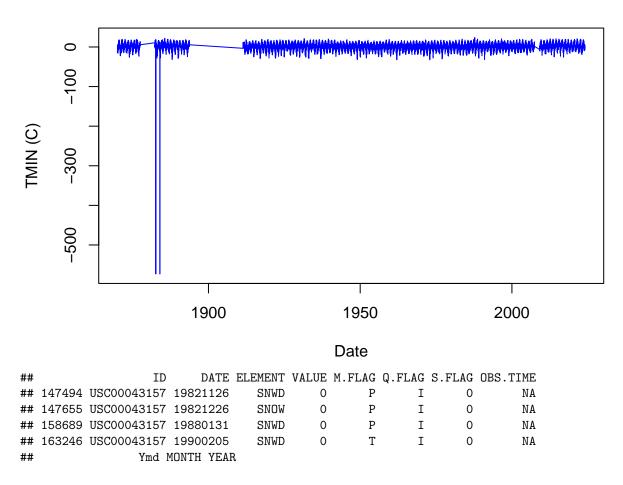
Time Series of Daily PRCP



Time Series of Daily TMAX



Time Series of Daily TMIN



Chunk 8

```
USC00042294.monthly <- MonthlyValues.fun(USC00042294b)
USC00042294.normals <- MonthlyNormals.fun(USC00042294b)
```

Chunk 9

```
USC00042294.anomalies <- MonthlyAnomalies.fun(USC00042294.monthly, USC00042294.normals)
```

Guide 3

Chunk 1

You might see a note about file note found, this is for Marc, you can ignore.

```
source("/home/mwl04747/RTricks/04_Regional_Climate_Trends/Guides/Guide3functions.R")
```

```
## [1] "RData file found and loaded"
```

Chunk 2

```
USC00042294.trends <- monthlyTrend.fun(USC00042294.anomalies)
```

Chunk 3

Guide 4

Chunk 1

You might see a note about file note found, this is for Marc, you can ignore.

```
source("/home/mwl04747/RTricks/04_Regional_Climate_Trends/Guides/Guide4functions.R")
```

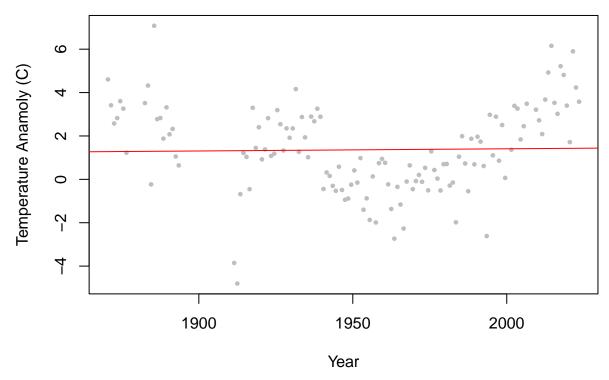
```
## [1] "RData file found and loaded"
```

Chunk 2

```
plotTrend.fun(USC00042294.anomalies, "TMIN", 7)
```

Minumum Temperature Anomaly (July) at USC00042294

Trend: 3e-04 C/100 Year; R-squared: 0; p-value: 0.81



almost done!

Zip Files for Marc!