

## More about getNetCDF ( ):

- ❶ The first variable returned is “Time”. This is converted from the time variable used in netCDF files (seconds after a specified reference time) to ‘POSIX’-format time that is understood by R.
  - (a) Gives appropriate labels in plots vs time.
  - (b) Includes date; no ambiguity if data.frames are merged.
  - (c) Requires interpretation; not a simple index. This works:  

```
Data$ATX[Data$Time==as.POSIXct("2014-07-04 08:33:19",  
tz='UTC')]
```

  
– but see ‘getIndex’, an easier way to reference one time
- ❷ Handles high-rate files by returning 25 values per second in flat arrays. Where variables are lower rate, interpolation is used, Savitzky-Golay with 4th-order polynomials spanning 3 s centered on each 25-Hz point, so all variables are 25-Hz.
- ❸ Data\$RF is included to be able to merge resulting files and still identify data from individual flights: `Data[RF==15, ]` gives only measurements from that flight.