Examples using Ranadu
Study These as Guides

Function illustrated:

1. Load the library
2. Construct a data.frame from a netCDF file
3. Restrict the time range
4. Another simple plot
5. Adding a new variable
6. Fitting
7. Smoothing/interpolation
8. A skew-T sounding
9. A flight track
10. A Deming fit
11. A variance spectrum

R code and result:

```
## Using the MEM functions in Ranadu
Data <- getNetCDF(fname, "WIC", 110000,
    120000)  ## 1 h vertical wind
MEM <- memCoef(Data$WIC, .poles = 30)
frq <- 10^(seq(-2, log10(0.5), by = 0.001))
Pmem <- Mod(memEstimate(frq, MEM))^2
plot(frq, 2 * Pmem * frq, type = "l",
    log = "xy", lwd = 2, xlab = "f [Hz]",
    ylab = expression(paste("fP(f) [m"^"2",
        "s"^"-2", "]")))
```