Notes for use of R at Metcraxii

Info

See these entries on the SEW wiki:

- http://wiki.eol.ucar.edu/sew/ISFS/R
- http://wiki.eol.ucar.edu/sew/R (needs cleaning up)

IOP Plots

On flux, in $ISFF/projects/METCRAXII/ISFF/R is "iop_plots.R", "dataset.R" and a makefile. If you make modifications or add an R file, do a "make" in that directory, then quit/restart R. There is no "synchronize()". You would have to do a "detach(...)", followed by an "attach(...)", so right now it is easiest to quit/restart.

I have not yet created a project.init.R. Would also have to add to $HOME/.Rprofile, to run it automatically.

To run the iop plots, run function "plot.loop()". It reads from dataset("field-30sec") and creates 9 graphics windows.

There is also a script "iop_plots.sh" which should run R and create those plots. There should be a shortcut icon on the desktop called "Rplots" which should run that script.

Updating our R packages

My intention is to put our packages on http://www.eol.ucar.edu/software/R, but currently the web server does not allow downloads from that location. In the meantime, the packages are at http://www.eol.ucar.edu/isf/projects/METCRAXII/isfs/R. I've made a script "update_R" in the project script directory which will fetch and install the packages on Linux.