Lab-7: Scripting html and web posting

Apr.-16, 2010

You have labored long and hard to process digital MODIS information from direct raw satellite retrievals (level-0) to calibrated and geolocated data in engineering units (level-1B) that you subsequently modified, sub sampled, and/or integrated in getbin.f to derive properties from multiple channels with or without a set of corrections (level-2). You have also gridded the data onto a projection in time and space and produced graphical output (level-3). It is now time to publish those data and we here chose the world-wide-web to do so.

You all have a directory~/Sites which is your personal we-posting directory on the server:

http://muenchow.cms.udel.edu/~YourAccountName

It will point and display the file ~/Sites/index.html which is already there (check it out, then delete it). Today you will create a personal web page to display your professional affiliation and academic material as it relates to this class.

1.	Go to your ~/Sites directory, delete the current index.html file, and create a new one that contains your name, point your browser to http://muenchow.cms.udel.edu/~YourName and see the results;
2.	Go to ~/Sites/images directory, delete all content, and move an image file of our own, lets call it FirstImage.pdf, into this directory;
3.	Convert your postscript Modis mapping (the best you have right now) to a .pdf file by typing **ps2pdf input.ps FirstImage.pdf** And move the .pdf file to the ~/Sites/images directory (input.ps is the output from your GMT script);
4.	Append the following line (hyperlink) to your ~/Sites/index.html file: ** some-displayed-text**
5.	Add another hyperlink to the main web-page for this class;
6.	Have a look at http://muenchow.cms.udel.edu/images/Modis2010/ which is a very basic web-page I wrote to access my own recent work as I am interested in ice motions off north-western Greenland;
7.	Point your browser to view the source code that produces this web-page and safe it as a file in your own web-domain (you can do this with any and all web-sites);

In html-scripting, all commands and formatting instructions are embedded in brackets, like, <html> and </html> indicate beginning and end of an html file, <p> the beginning of a new paragraph, <h2> and </h2> the beginning and end of header-2 information, <ul> and the beginning and end of a table, <li> and the beginning and end of a row in a table. Other commands like <a> and require additional information, e.g., hyperlinks as clickable items to files located elsewhere, e.g., text-to-be-displayed. There are many, many more commands and entire languages (java) that can be embedded within this structure. You can also generate html scripts with c-shells (posted in web-link #6 above).

8.	Please provide links to all codes and all shell scripts on your web-page thus documenting your progress in this class to date;
9.	Please provide links to all sources on the web that you have used or may want to use in the future;
10.	Make sure the page is somewhat visually pleasing without clutter, perhaps include a small image of yourself (in the top-left corner, perhaps) and/or a link to a personal or professional web site you may already have.

I assign an individual grade to your page. The grade will be based on 1. what you have been able to produce in terms of Modis imagery to-date (50%), 2. how well you documented your progress in the processing of MODIS data (20%), 3. how you have modified and added to example scripts and programs given to you (20%), and 4. visual appeal of your web-page (10%). Due 4/22/2010.