Mapserver Review

1) Where is the polarstar.map file located?

2) What is the name of the layers definition file?

3) Where is the file located that displays the ship information at the bottom of the web page?

4) What is the process for removing a point (that has been clicked on) in the measuring tool?

5) Is there another method for zooming in on the map besides a click on the map?

6) Can you use this method with any other mapserver function?

Mapserver Review

7) What type of information can be displayed with the Query (Info) button?

8) What are template html files used for and what directory are they located in?

9) What has to be included with each template html file?

10) How do you tell which symbols designate what layers?

11) What types of data files can be displayed in mapserver? What types can not be displayed in mapserver?

Mapserver Review

12) What command is used in the main map files to point to map files in other directories?

13) Where can information be found on mapserver errors?

14) What is the process for adding a layer to mapserver?

15) What are two types of shapefiles and how can you view a shapefile?

16) What commands are used to create a shapefile? What is the alternate method?

Mapserver Review

16) Ship tracks are created in what projection? The tracks are then converted into what projection?

17) What programs create the ship tracks? How are the programs run? How often do the programs run?

18) What type of shapefile is created to mark the current position of the ship?

19) What is the most important item to remember when editing the .map and .js files?

Ice Observations Review

1) What is the purpose of the Start Observations button?

2) Once an ice observation report has been created, what actions can be done with the report?

3) What types of summary reports can be produced from the ice observation reports?

TeraScan Review

1) When browsing the jpeg images, what are you looking for in the image?

2) Why does the navigation have to be corrected in the DMSP imagery?

3) What format are the resulting images that are displayed in mapserver?

4) What is the name of the program that is used for navigating the imagery?

5) When navigating an image, what are the most important items to remember?

TeraScan Review

6) How do you get the best result when navigating an image?

7) What is the purpose of the fastreg command?

8) How do you create a new master file?

Mapserver Review

- Covered tasks necessary for maintaining mapserver vs. in-depth explanation of how mapserver works.

- Only one person changing mapserver at a time.

- In some cases, projection information is not needed in the map file, if projection information is contained in a separate .prj file.

- Sometimes may need to empty cache or hold shift button when reloading page to see the latest results in the mapserver web page.

Mapserver Review

- Projections file for mapserver: /usr/share/proj/epsg

- www.remotesensing.org web pages.

- Web sites page: CSV to Shapefile Conversion gdal.org/ogr/drv_csv.html

- List of mapserver directories and files

- Other mapserver web sites

New Cruise Setup

1) Edit previous.js file – Copy old cruise information to the previous cruises section.

2) Edit layers.inc.js file – Change the current cruise information to the new cruise name.

3) Create a directory for the new cruise /mnt/mapserver/data/polarstar/data/cruise, where cruise is the name of the next cruise.

4) Add map files to the directory in step 3. Can copy the entire directory for the old cruise to the new cruise directory and update the files.

New Cruise Setup

5) Edit polarstar.map file and add the include statements for the map files for the new cruise.

6) Set up process to create ship tracks for the new cruise.

7) Update the perl programs that create the track data files, completetrack.pl, partialtrack.pl and createtrack.pl. Change to directory in step 3.

Current Cruise Files

/mnt/mapserver/data/polarstar/data/ship

current*.html – Template files for current ship position

track*.html – Template files for ship track

track_current_stere* - Data files for current ship position

track_stere* - Data files for ship track

fluorometer.map, salinity.map, sst.map, shiptrack.map –

Map files for displaying ship track data

Current Cruise Directories

complete – Contains track_stere* data files from the last completetrack.pl run. completetrack.pl adds an entire day to the data files. Usually, these files are not the same as the data/ship directory since partial days are run every 10 minutes.

temp – The new files are created in this directory and are moved to the data/ship directory once the program has finished running.

Change Default Extent

1) Position map to area for new default extent.

2) View the last line in the log file.
   /mnt/mapserver/html/tmp/polarstar.log

3) Edit mapper.html file in the html directory. Change the current "var extent" line to have the new locations found in the log file.

4) Reload mapserver to verify it has changed to the new extent.

Ordering of Layers in Mapserver

1) Move the include line for the Polar Sea cruise to the top of the map file.

2) Reload mapserver and try to display the Polar Sea ship track. Does it display?

3) Turn on the multibeam layers along with the Polar Sea ship track. Does it display?