

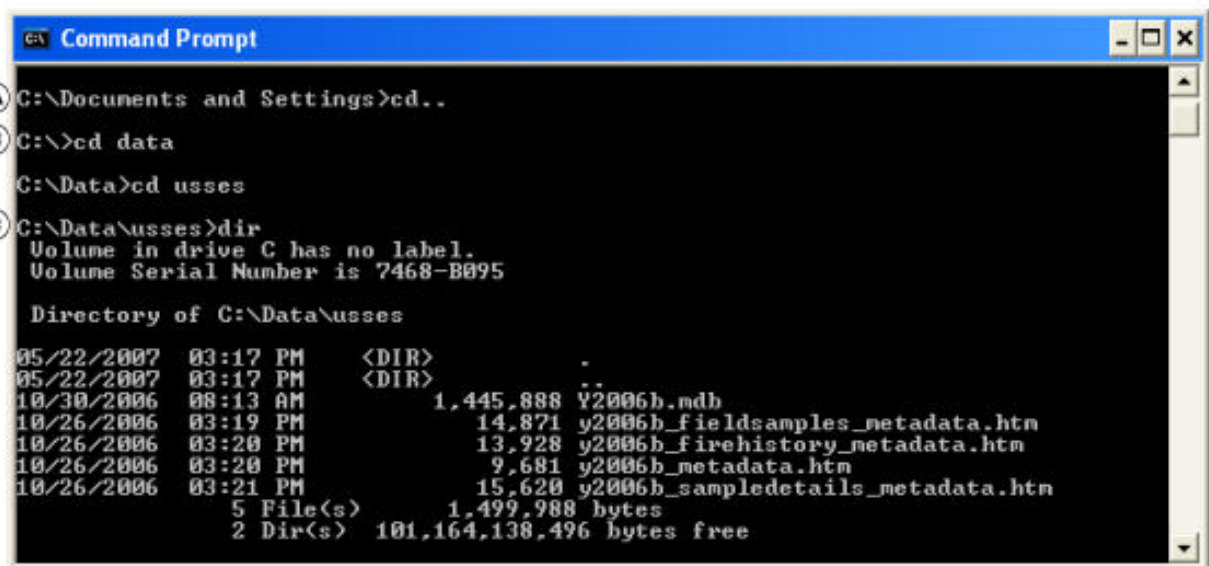
Process Document: Batch conversion of MODIS float files using AML with “float to grid” in ArcInfo Workstation

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This process was used to convert nearly 29,000 MODIS float files into ESRI grid files for QA/QC and further use. Windows directory listings were exported and edited into an AML format for use in an Arc Workstation AML (batch run) process. The command used was: *floatgrid <input float> <output grid>*. We used the following techniques to duplicate and automate this process.

1. In windows command prompt, move to the working directory where the float files are located (*cd..* moves you down a level (A), *cd path* moves you to a specific directory (B), *dir* lists the files in the directory (C), and the up arrow toggles you through past commands).



```
Command Prompt
C:\Documents and Settings>cd..
C:\>cd data
C:\Data>cd usses
C:\Data\usses>dir
Volume in drive C has no label.
Volume Serial Number is 7468-B095

Directory of C:\Data\usses

05/22/2007  03:17 PM    <DIR>          .
05/22/2007  03:17 PM    <DIR>          ..
10/30/2006  08:13 AM           1,445,888  y2006b.mdb
10/26/2006  03:19 PM           14,871   y2006b_fieldsamples_metadata.htm
10/26/2006  03:20 PM           13,928   y2006b_firehistory_metadata.htm
10/26/2006  03:20 PM            9,681   y2006b_metadata.htm
10/26/2006  03:21 PM           15,620   y2006b_sampledetails_metadata.htm
           5 File(s)          1,499,988 bytes
           2 Dir(s)    101,164,138,496 bytes free
```

2. At the command prompt type *dir *.flt* to list only the float files.
3. To export this list, type *dir *.flt > dir.txt* where *dir.txt* is the name of the exported text file containing all of the float file names and associated data (size, etc).
4. Open this text file in Excel ensuring that you select that the file is delimited using spaces during its conversion.
5. Remove any column or row that is not a file name.
6. Add a column before the file names and insert the Arc command that you will be executing, in this case *floatgrid*.

7. In the column after the file names, insert this formula = LEFT(B1,LEN(B1)-4). This formula will effectively trim off the file extension from the full file name, giving us a clean output name to use in the command.
8. Duplicate both the command column and the trimmed file name column for the length of the document.
9. Export this document as a text file into your working directory, and then save a copy with the .aml extension, insuring that your "Save As" type in the dialog box is "All Files".
10. Moving to ArcInfo Workstation – Arc, set the proper workspace to the location of the float files and AML file using *&workspace*.
11. Run the newly created aml using: *&run amlname*, in this case, *float_grid*.
12. Wait, wait, and wait some more.