

ADGen Workaround for P5 & P22

Purpose

This file is intended for people having trouble using Parameters 5 and 22 within ADGen, and specifically applies to the “Flood”, “Flow”, and “Streams” functions. If, when you try and use these functions, ADGen throws a memory error, the session log is reporting “Flood error 1”, or the required data isn’t being properly generated by these functions, then these instructions may help you out. (fig. 1)



Fig. 1: A typical error in Parameter 5 that this workaround attempts to correct

Please note that these instructions are only a *temporary* workaround for the aforementioned problems, and that we are working on a permanent fix for ADGen.

Instructions

The following steps are intended to serve as an alternate method to generating the data that “Flood”, “Flow”, and “Streams” generates. In other words, these steps are to be taken *instead* of using the P5 & P22 buttons in ADGen. (To the best of our knowledge, these are the only parameters which people are having trouble with. However, if you are having trouble with other parameters do not hesitate to contact us).

For Parameter 5, make sure you enter the Original DEM and hit “Convert” to generate the *filename.asc* file necessary for the following commands to work. (fig. 2)

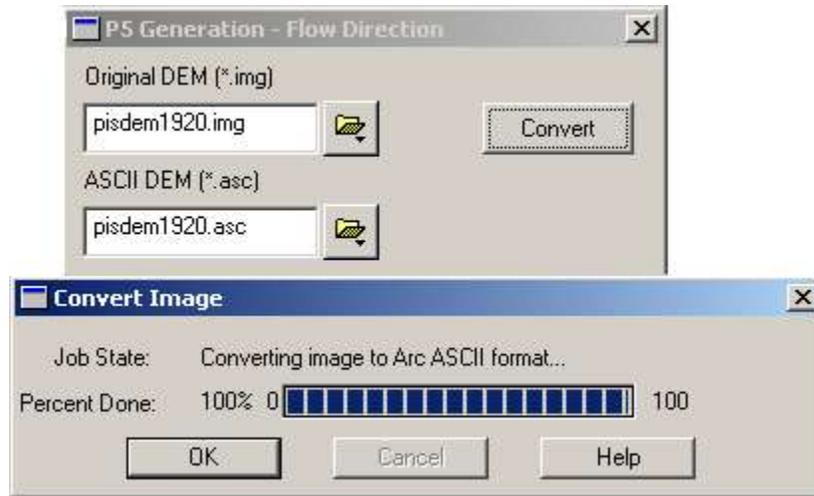


Fig 2: Converting to ASCII Format

In Imagine, click on *Session -> Commands*
type "message quote(getenv(HOME))" without quotation marks

COPY the following executables in your HOME directory (fig. 3):
d8.exe, flood.exe, gridnet.exe

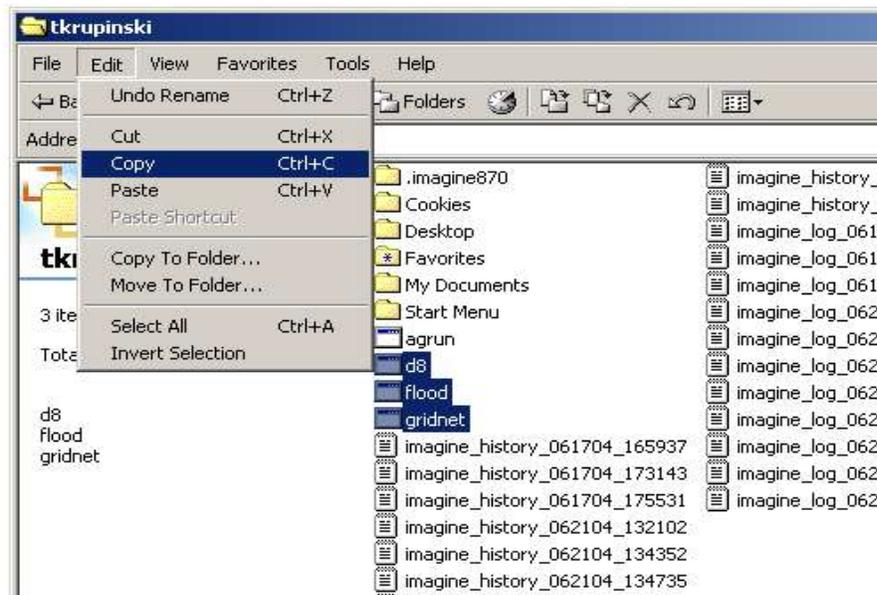


Fig. 3: Copying the .exe files

PASTE those files in the directory with the data you are working with

Click on *Start -> Accessories -> Command Prompt* to launch a console

Navigate to the directory that contains the data you want to work with.

To generate necessary data for Parameter 5, type the following lines: (fig. 4)

```
flood filename.asc  
(Wait for Completion)  
d8 filename.asc
```

The previous sequence of commands should generate the following files in your data directory:

```
filenamefel.asc  
filenameep.asc  
filenamesd8.asc
```

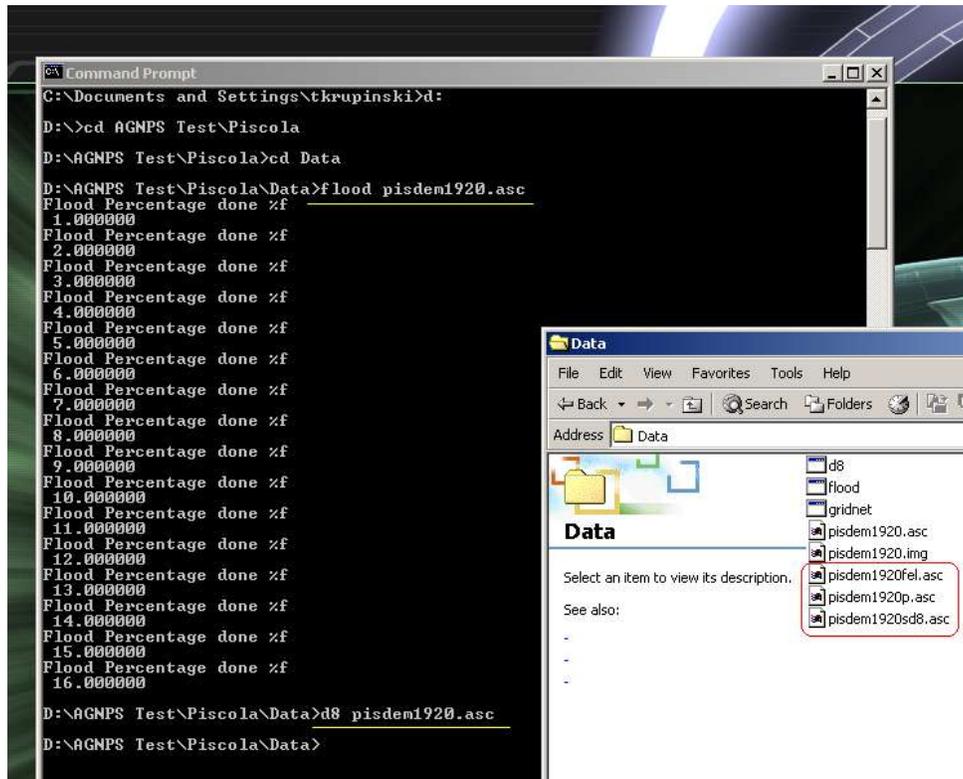


Fig. 4: Manually generating the data

You can then use these files within ADGen as if the "Flood" and "Flow" buttons had created them. For example, with Parameter 5 after you manually generate the *filenamep.asc* file using the above commands, in ADGen you simply use that for the "Reconvert" button and proceed to generate the P5 Output Data. This method completely bypasses the use of the "Flood" and "Flow" buttons. (fig. 5)

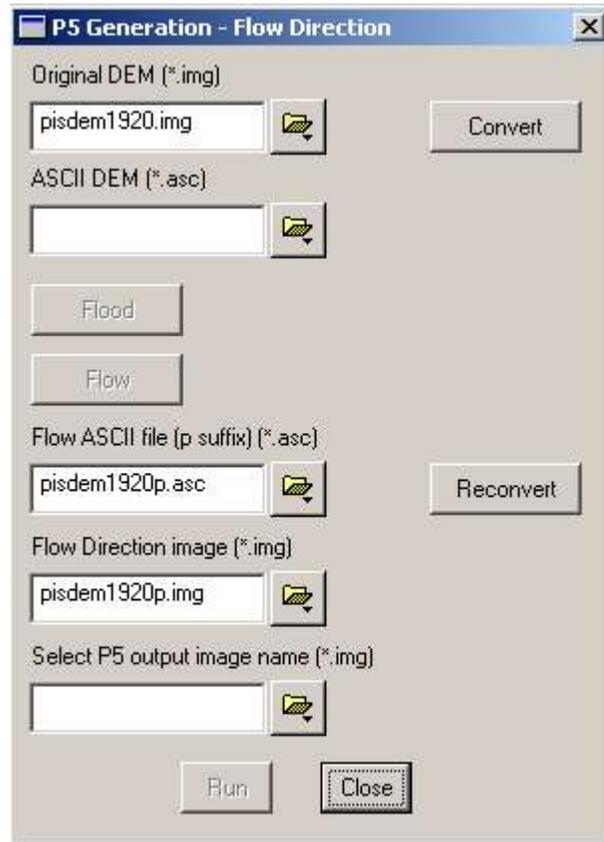


Fig. 5: Using manually-generated data

To generate necessary data for Parameter 22, type the following line at the command prompt:

```
gridnet filename.asc
```

This should generate the following files in your data directory:

```
filenamegord.asc  
filenameplen.asc  
filenametlen.asc
```

You can then use these files within ADGen as if the "Streams" button had created them

