

## FuelCell Addendum - File Slice Settings

D. Johnson, Scribner Associates Inc.

5/29/2003

### Introduction

FuelCell versions 3.3a and later have an option function that will limit the size of data files by creating multiple files using the same base file name.

### Procedure

1) To active the file slice function:

Open the “fuelcell.ini” file using Notepad (if the computer controls duel stations, the ini files for each station must be modified).

In the [System] section, add the EnableFileSlice and FileSliceSize settings as shown below. Note that the other settings in the System section may not be the same as those shown below.

```
[System]
EnableAnodeGas=2
EnableAnodePurge=1
EnableAnodeTemp=1
EnableCathodeGas=1
EnableCathodePurge=1
EnableCathodeTemp=1
EnableCellTemp=1
EnableAuxTemp=0
EnableFileSlice=1
FileSliceSize=778240
```

Save the file and close Notepad.

The EnableFileSlice setting activates the function which limits file sizes. The FileSliceSize value is the desired maximum file size in Bytes (778240 Bytes = 760 KB).

2) How it works:

If a data file name of “test.fcd” is specified in an experiment, the data is saved in “test.fcd” until the specified file size is reached. When the size limit is reached, a second file named “test\_Slice002.fcd” is created and data is saved to this file. As each file reaches the limit, the file sequence is continued, creating “...\_Slice003.fcd”, “...\_Slice004.fcd”, *etc.*

The Slice files do not contain data file header text. They only contain the numerical data values. The first file (using the main file name, without the \_Slice00Xending) contains the full header text, identical to previous version of FuelCell3.

If the main file and the Slice files are concatenated, this will recreate the single large data file that would be produced without the Slice function.

If a short experiment is performed, all of the data will fit in the first file and no \_Slice files will be created.