# **General QC-CALC – Database Full**

When QC-CALC creates a new database it uses the settings found in the **Tools – Options – File Creation Defaults** area for that new database. It is possible that the maximum number of records allowed in each file is set too low for your needs in the **File Creation Defaults – Database Settings** area and this leads to new data not being collected. The directions that follow will show you how to fix any existing files so more data can be saved into those files. You will also be shown how to change your **File Creation Defaults** so this will not happen for any new files.

## Warning for Full Database

As data is being collected a warning will appear in the **Status** area when there is only space for 10 or less records remaining. In many cases this message is ignored, but, if it wasn't, it clearly states that the database is almost full. The picture below shows the warning message you receive. In this case the file needs to be fixed before 7 more parts are received or new data will be lost.

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### **Fixing Existing Files**

To fix existing files you must first open them in QC-CALC Real-Time or QC-CALC SPC and make sure that file is not in use by any other program on any computer. Use the **File** – **Modify Database Structure** menu to change the maximum number of records allowed in that file. The example shown below shows a maximum of 10 records allowed in the file. Change that value to a larger number and click the **OK** button to apply that change.

Modify Database Structure	<b>X</b>
Current Settings Database Properties Database Settings	] Number of
Records (1 - 2,000,000) 10	Numeric Factors 5
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Restore Defaults	<u> </u>

Now that the file has been fixed, data collection can safely be resumed. You will see that the next part that is received will not cause the **Status** window to appear at all.

#### **Future Files**

Once you have had one file run out of space it becomes more likely that other files will have the same issue due to the amount of parts being processed on a daily basis. In order to stop this issue from happening to files that have not been created yet, you need to adjust the **Tools – Options – File Creation Defaults** area. The picture below shows the **Database Settings** section where the **Number of Records per File** setting is located. Change this value to a larger value (probably the same value used in the previous section) and click **OK**. Now any new files that are created will allow more records to be collected before the Database Full message appears.

Options	
Settings Assignable Cause / Action Configure Plot Settings Data Collection Email Factors File Creation Defaults Database Settings Format Settings Factors User Inputs MultiSource Settings	File Creation Defaults - Database Settings         Number of         2 • Assignable Causes         Number of Records per File         Records per File [1-2,000,000]         10000         Text Factor Width [in characters)         Text Factor Width [1-50]         50         Number of Non-Machine Dimensions         Manual (0-1000)         0         Calculated (0 -1000)         0
<ul> <li>Filter Settings</li> <li>Global</li> <li>Miscellaneous</li> <li>Statistical Settings</li> <li>Trend Detection</li> <li>Update</li> </ul>	
	Restore Defaults

### **Fixing All Files at Once**

If you have a lot of .qcc files already and are concerned that they will all fill up, you probably want to change the maximum number of records allowed in all of your files. There is a separate program available to do this. Run the **Start > Programs > Prolink > Convert 3.3** program, choose the **Change Settings of Version 3.0 Files** option, and click the **OK** button.

Convert QC-CALC Files				
Choose the type of file conversion you require and click the OK button.				
Conversion Type				
C Convert to Version 3.0				
C Version 3.0 to Windows Version 2.4				
Change Settings of Version 3.0 Files				

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On the next screen either choose a folder containing all of your files or choose individual files and click **OK**.

	Convert X
ſ	Select Conversion Type
	Directories     O Single or Multiple Files
	Include Subdirectories
	Pick Source and Destination
	Source Directory/Files
	C:\Prolink\QC-CALC 3.3\Data\
	Overwrite Converted File
	Destination Directory
	C:\Prolink\QC-CALC 3.3\Copy of Data\
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On the **Modify Database Structure** screen that appears next switch to the **Database Settings** tab and adjust the **Number of... - Records** value to a larger number. Leave all other settings alone and only the maximum number of records allowed in each file will be adjust in all files selected.

Modify Database Structu	ire			X
Database Properties Datab	pase <u>S</u> ettings	Number of		1
<u>R</u> ecords (1 - 2,000,000)	1000000	<u>N</u> umeric Factors	Use Existing	-
Text Factor <u>W</u> idth (1 - 50)	Use Existing	Text Factors	Use Existing	•
Dimensions (1 - 2,000)		Number of		
<u>M</u> achine	Use Existing	Assignable Causes	Use Existing	
Ma <u>n</u> ual	Use Existing	Corrective Actions	Use Existing	
Calculat <u>e</u> d	Use Existing		l	
Restore <u>D</u> efaults			<u>0</u> K	<u>C</u> ancel

Once the **OK** button is clicked you will see messages as each file is processed. If you entered a value that was smaller than the value already in use in a file you will be asked if you want to decrease the maximum number of records for that particular file. Choosing **No** on that message for that file is recommended.