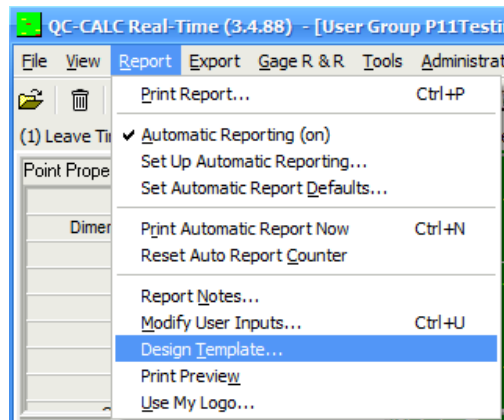# Reporting – Changing Ppk to Cpk in Raw Data

The default Raw Data report (DataStat.raw) that come with QC-CALC shows the Pp and Ppk values in the calculations area. This White Paper will give step by step instructions for changing those rows to show Cp and Cpk instead.
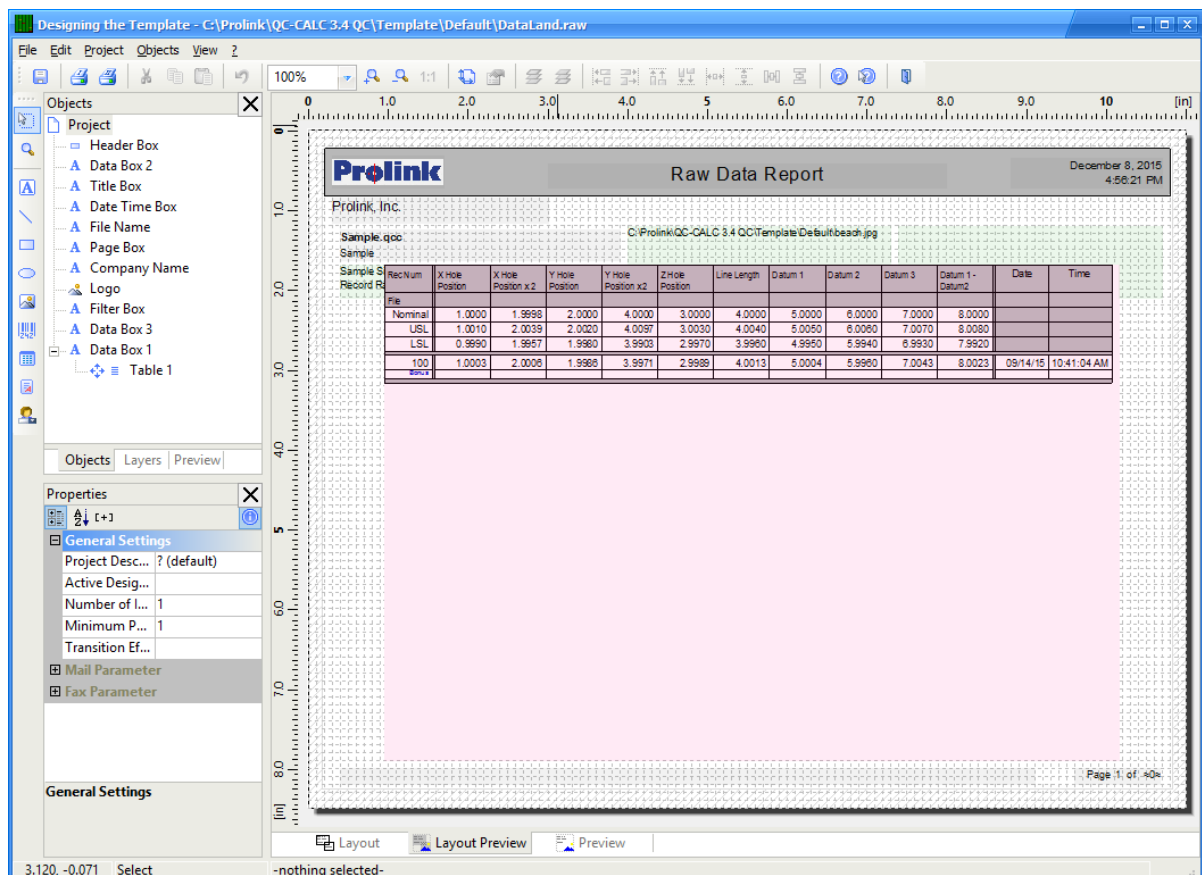
The Report Designer

The directions shown here will change the existing Pp and Ppk rows so they will show Cp and Cpk instead. This is a lengthy process, but relatively simple to accomplish.

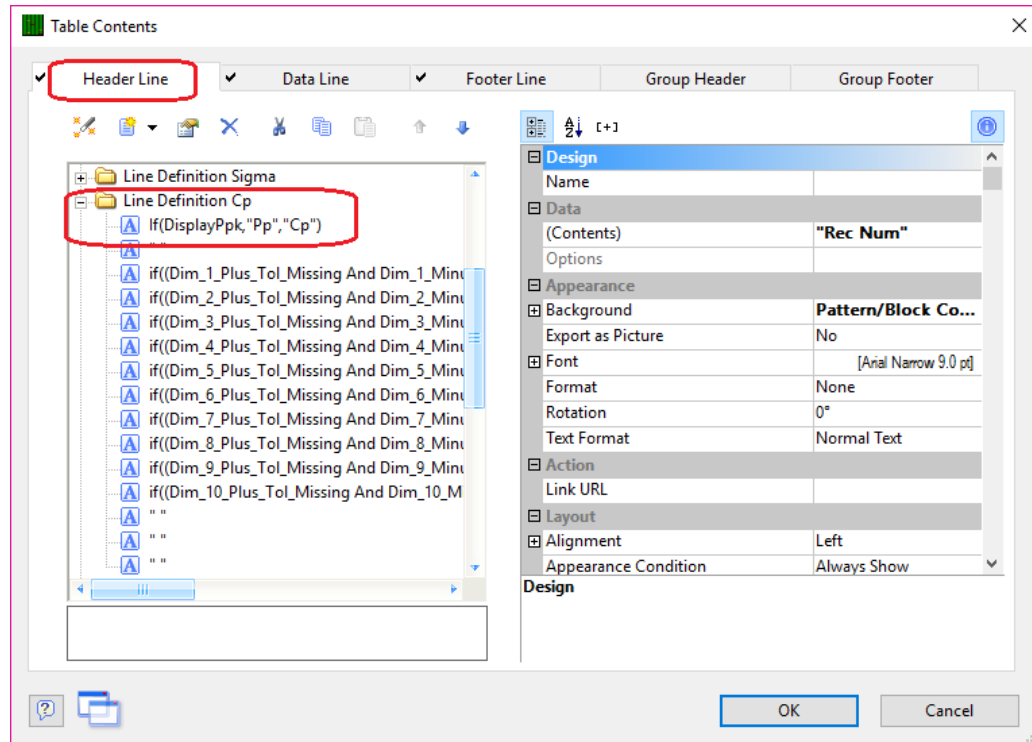1. From QC-CALC Real-Time choose the **Report – Design Template** menu.

2. Choose the DataStat.raw template from the list of files that appears and click **Open**.
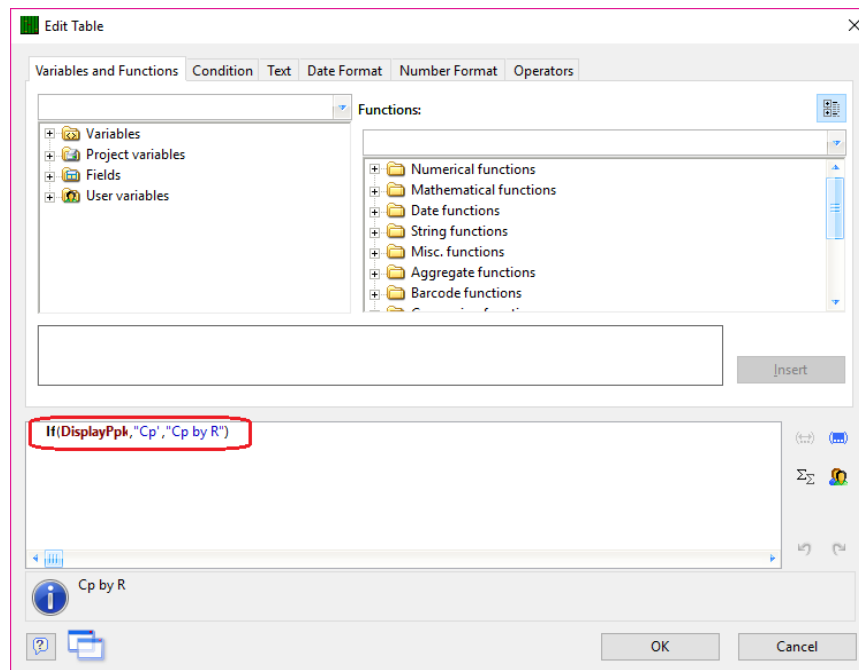3. The Report Designer now appears on the screen.

Change Pp to Cp

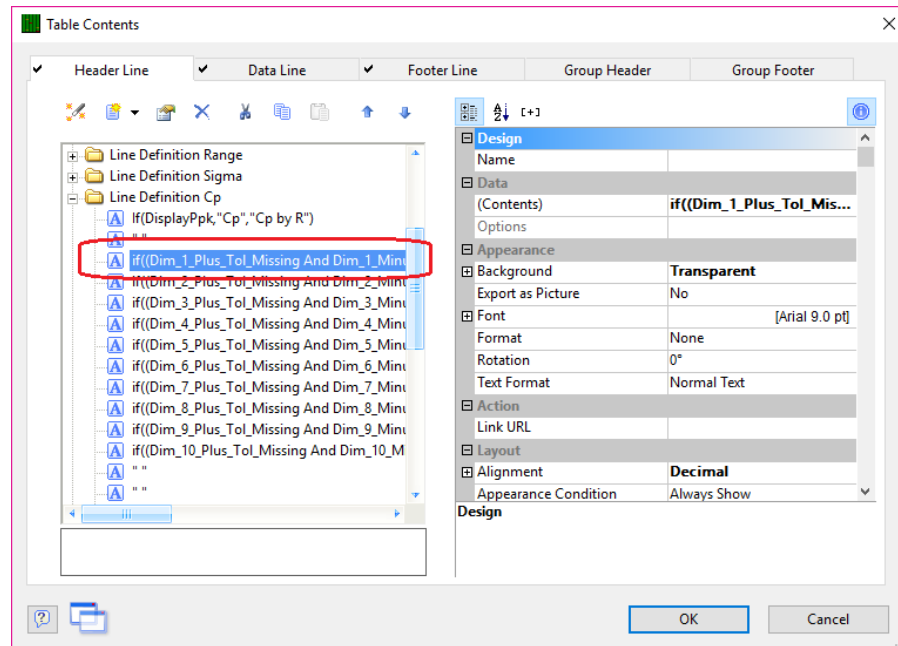1. Double click on the table and the **Table Contents** window will appear.

2. Choose the **Header Line** tab then scroll down until you see the "Line Definition Cp" area. This area is actually showing the Pp value when you have the **Tools – Options – Global – Show Ppk instead of Cpk** option enabled, so don't be confused by the words you're seeing.
3. Double-click the top line in that area so we can fix the label that will be displayed. In the **Edit Table** window that appears, change the line to read:
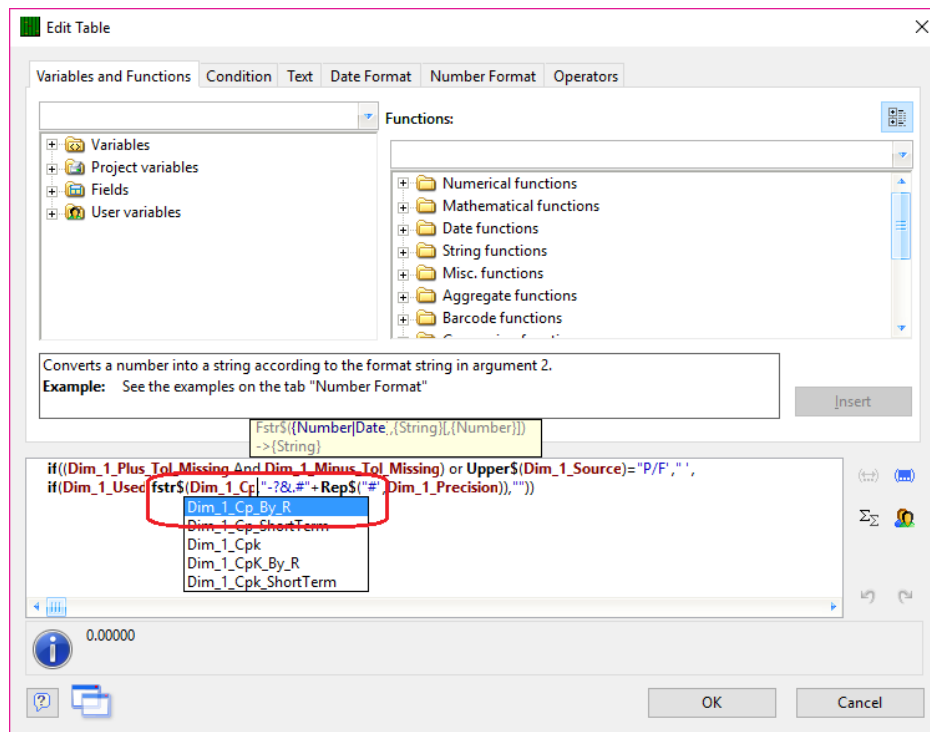   If(DisplayPpk,"Cp","Cp by R")

4. Click **OK** in the **Edit Table** window.
5. Now that the label for the row has been changed, each column within the row needs to be updated too. To start, double-click the first line with words below the line you just fixed to bring up the **Edit Table** window for that item.
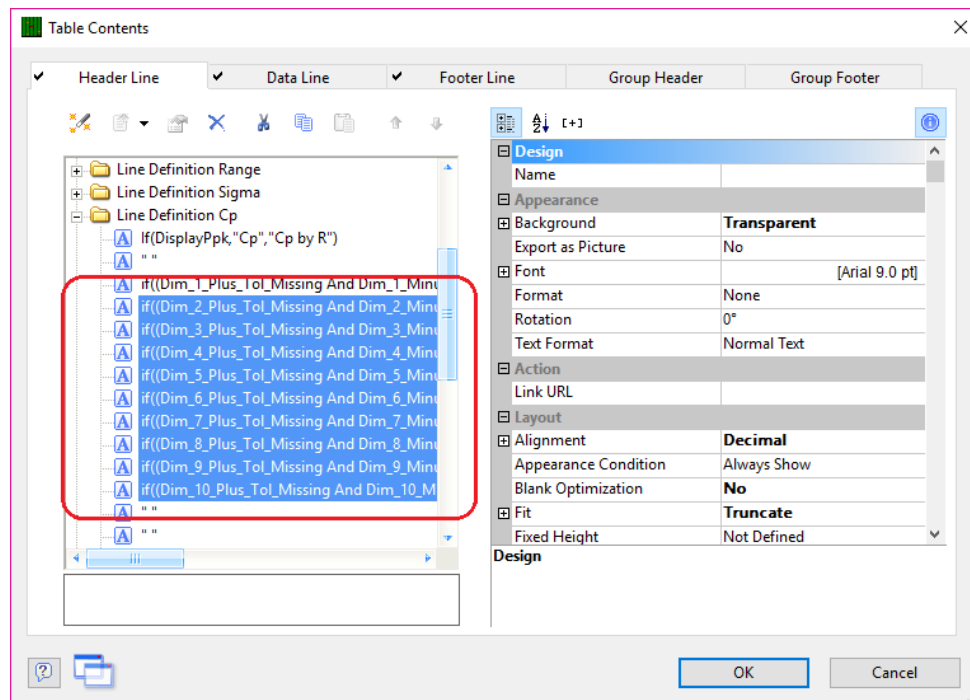

6. In the box at the bottom of the screen, place the cursor immediately after the "Dim_1_Cp" item and the list of available values will appear. Double-click on "Dim_1_Cp_By_R" in the list, then click **OK**.

7. Do the same procedure for the remaining dimensions in the "Line Definition Cp" section of the **Header Line** area.
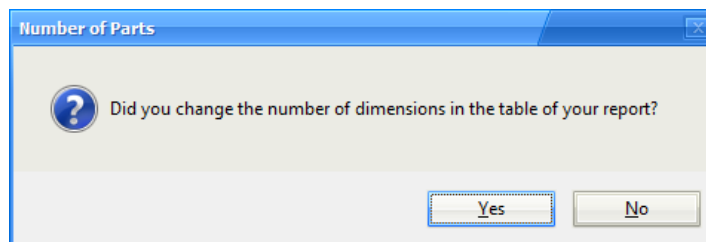

Change Ppk to Cpk

Now that Pp has been changed to Cp, the same needs to be done for Ppk. To do this, find the "Line Definition Cpk" section (it should be directly below the Cp section) and do the same steps as above (steps 2 – 7). Here are the slight differences:

In **Step 3**: The text should be "If(DisplayPpk,"Cpk","Cpk by R")"
In **Step 6**: Double-click on "Dim_1_Cpk_By_R" in the list, then click **OK**.

General Steps

1. Click **OK** on the **Table Contents** screen and save your changes (**File – Save**).
2. Exit from the Report Designer and you will see a question asking if you changed the number of dimensions in your report. Choose **No** on this message.

3. You are all set to run your report now.