APPENDIX A

Interface for JASPER software

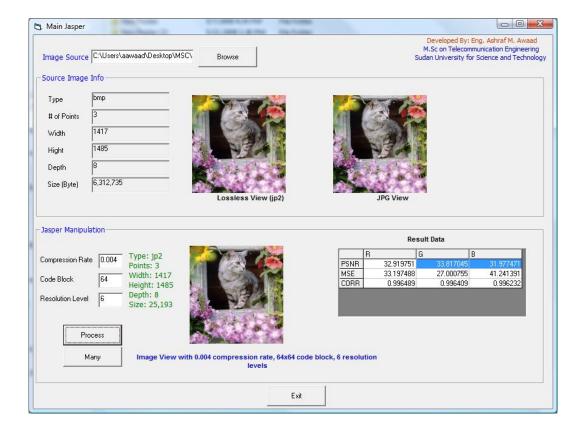
This software developed in visual basic to run the Jasper tools (jasper.exe, imginfo.exe, imgcomp.exe) through the windows shell and collect the output and Display it on the interface or make it available for printing.

To display the JP2 image format in visual basic with use the NCSLayeredView ActiveX provided by ERDAS Inc (http://ermapper.com/).

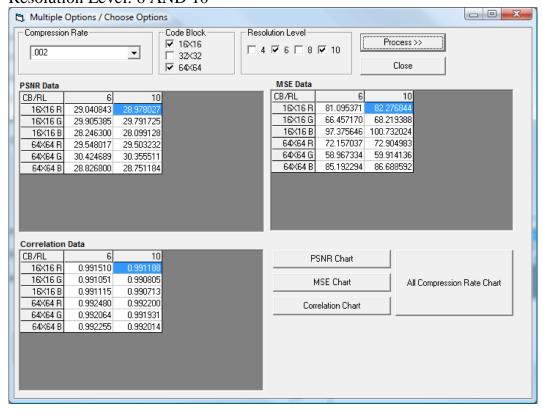
1) The software single image encoding through the main form or many encoding by choosing many parameters (compression ratio, code block and resolution level) and display the result.

The software provides the ability to display charts and spreadsheet data.

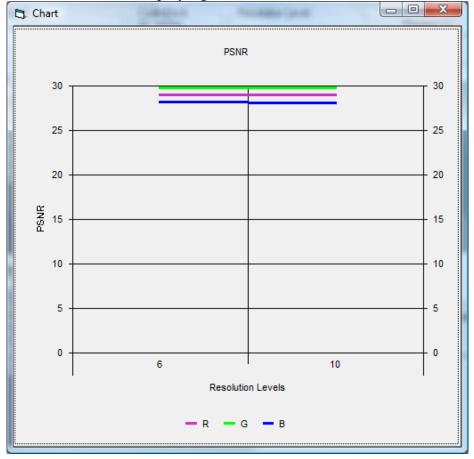
The picture below display the main screen while processing the CAT.BMP.



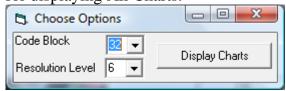
The Many screen while processing the CAT.BMP image with multi-parameters: Compression Ratio: 0.002, Code Block: 16X16 AND 64X64 Resolution Level: 6 AND 10



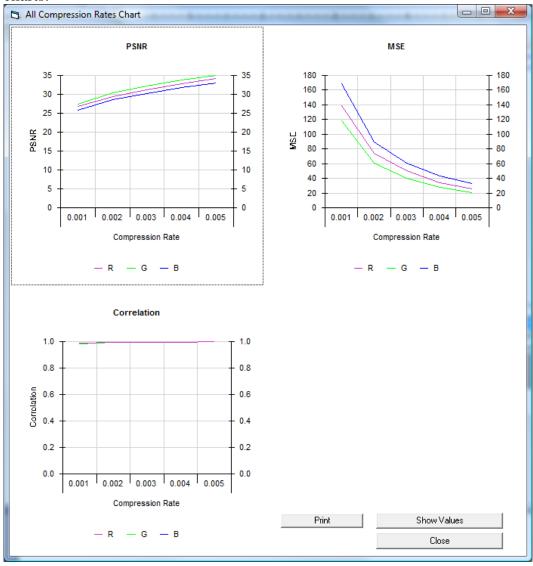
Below is the chart displaying the PSNR for the above result.



The form below demonstrate how to choose code block and resolution level for displaying All Charts.



The picture below show the display of the result when pressing show charts.



The picture below show the display of all results when pressing show values. The print button allows printing of the values and charts.

