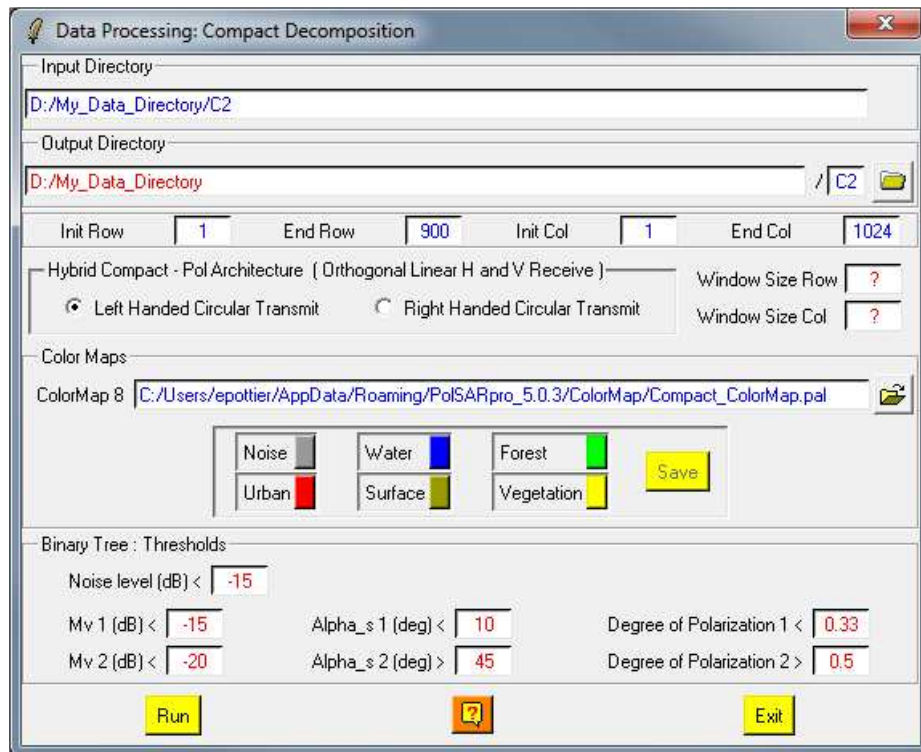# Cameron Decomposition

Description:

This program creates binary and bitmap image files resulting from the S.R. Cloude Classification when applied on Compact Polarimetric raw binary data set.

Comments:

Parameters written in Red can be modified directly by the user from the keyboard.

Input/Output Arguments:

Input Directory	Indicates the complete location of the considered **Main Directory (MD)** containing the **[S2]** matrix data to be processed.
Output Directory	Indicates the location of the processed data output directory. The default value is set automatically to : **Main Directory (MD)**.

Output Image Number of Rows/Columns:

The output image numbers of rows and columns are initialised to the input data set dimensions.

Users wishing to process a sub-part of the initial image can modify the **Init** and **End** values of the converted images rows and columns.

ColorMap:

The color coding of the bitmap output files is realized by the way of a 8 element colormap associated to each canonical target. Users have the possibility to modify the elements of the colormap in an interactive way.

Binary Tree - Thresholds:

The Compact Classification is based on the use of a decision tree procedure where the different thresholds can be fixed by the user.