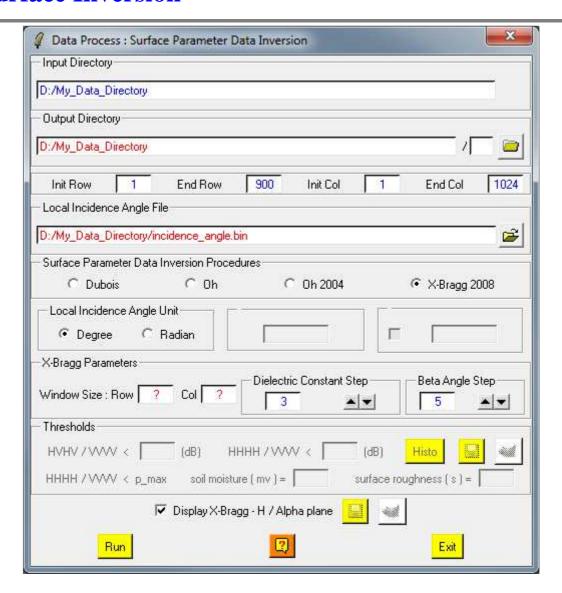


Surface Inversion



Description:

This functionnality proposes the most important surface inversion procedures:

- Dubois model (P. Dubois et al. 1995)
- Oh model (Y. Oh et al. 1992)
- Oh 2004 model (Y. Oh et al. 2004)
- X-Bragg (I Hajnsek et al. 2000)

Comments:

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

Input/Output Arguments:

Input Indicates the location of the considered **Main Directory (MD)**

Directory containing the polarimetric data sets to be processed.

Output Indicates the location of the processed data output directory.

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.

Local Incidence Angle File:

External file provided by the user and containing the Local Incidence Angle value (in degree or radian) for each pixel.

This file is a Raw Binary File (float 4 bytes elements) of size: Nrows x Ncols (same size as the processed image).

Local Incidence Angle Unit:

Corresponds to the unit used to define the Local Incidence Angle values.

Central Frequency (Dubois & Oh model):

Value of the Central Frequency (in GHz).

Calibration Coefficient (Dubois model):

Value of the Calibration Coefficient (sigma0 calibration effect).

Thresholds (Dubois & Oh model):

Value of the thresholds used for results validity.