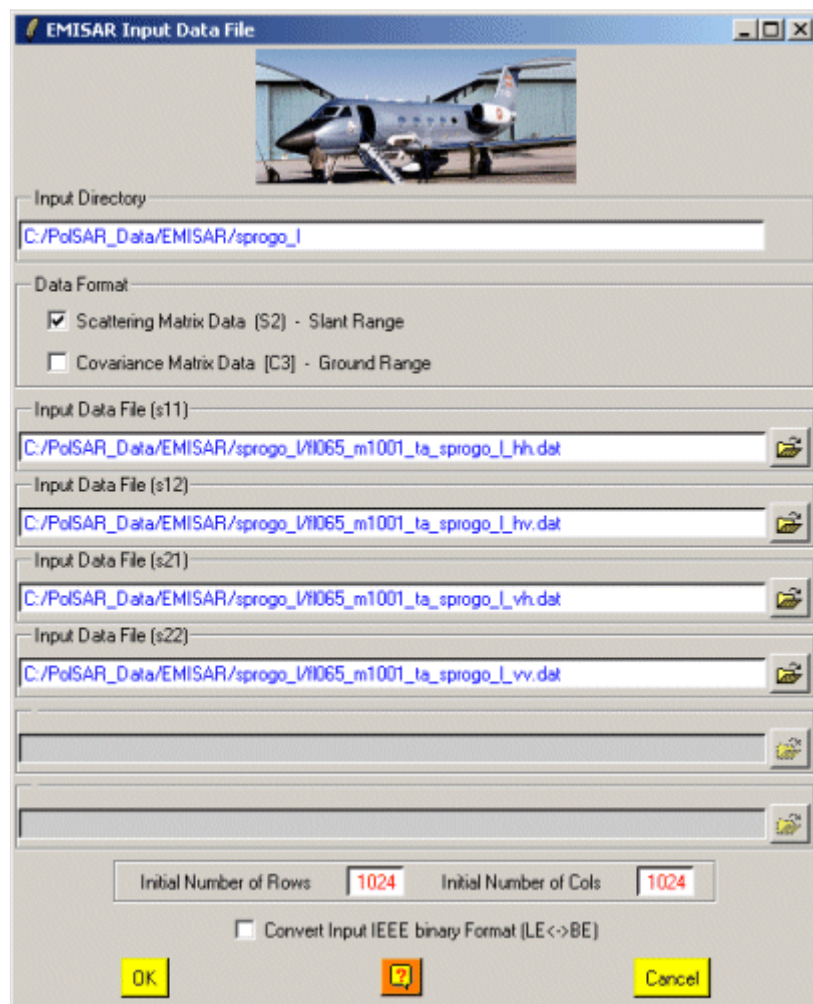


EMISAR Input Data File



The screenshot shows the 'EMISAR Input Data File' dialog box. It features a header image of a satellite. Below the header, there are several input fields and checkboxes. The 'Input Directory' field contains 'C:/PolSAR_Data/EMISAR/sprogo_1'. The 'Data Format' section has two checkboxes: 'Scattering Matrix Data [S2] - Slant Range' (checked) and 'Covariance Matrix Data [C3] - Ground Range' (unchecked). There are four 'Input Data File' fields, each with a file path and a browse button. The paths are: 'C:/PolSAR_Data/EMISAR/sprogo_1/1065_m1001_ta_sprogo_1_hh.dat', 'C:/PolSAR_Data/EMISAR/sprogo_1/1065_m1001_ta_sprogo_1_hv.dat', 'C:/PolSAR_Data/EMISAR/sprogo_1/1065_m1001_ta_sprogo_1_vh.dat', and 'C:/PolSAR_Data/EMISAR/sprogo_1/1065_m1001_ta_sprogo_1_vv.dat'. At the bottom, there are two input fields for 'Initial Number of Rows' and 'Initial Number of Cols', both containing the value '1024'. Below these is a checkbox for 'Convert Input IEEE binary Format (LE<->BE)'. The dialog box has 'OK', 'Cancel', and a help button.

Description:

This program sets and configures the main characteristics of the Input Data Files in order to convert polarimetric data sets encoded using the **EMISAR** specific data format to PolSARpro compatible binary data.

Comments:

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

Input/Output Arguments:

| | |
|------------------------|---|
| Input Directory | Indicates the location of the considered Main Directory (MD) containing the EMISAR data files to be converted. |
| Data Format | Correspond to the EMISAR encoded data format used. By ticking |

the appropriate box, users may indicate PolSARpro to toggle between these two binary data formats before converting the polarimetric data files.

**Input Data
Files**

Correspond to the input polarimetric channel data files, encoded using the EMISAR format, to be processed.

Initial Number of Rows/Columns:

Users have to provide the considered image **Initial Number of Rows and Columns**.

Convert Input IEEE Binary Format:

Binary data may be encoded according to the **IEEE Little Endian** or **Big Endian** convention according to the type of architecture or operating system of the computer used to process SAR data.

By ticking the appropriate box, users may indicate PolSARpro to toggle between these two binary formats before converting the polarimetric data files.
