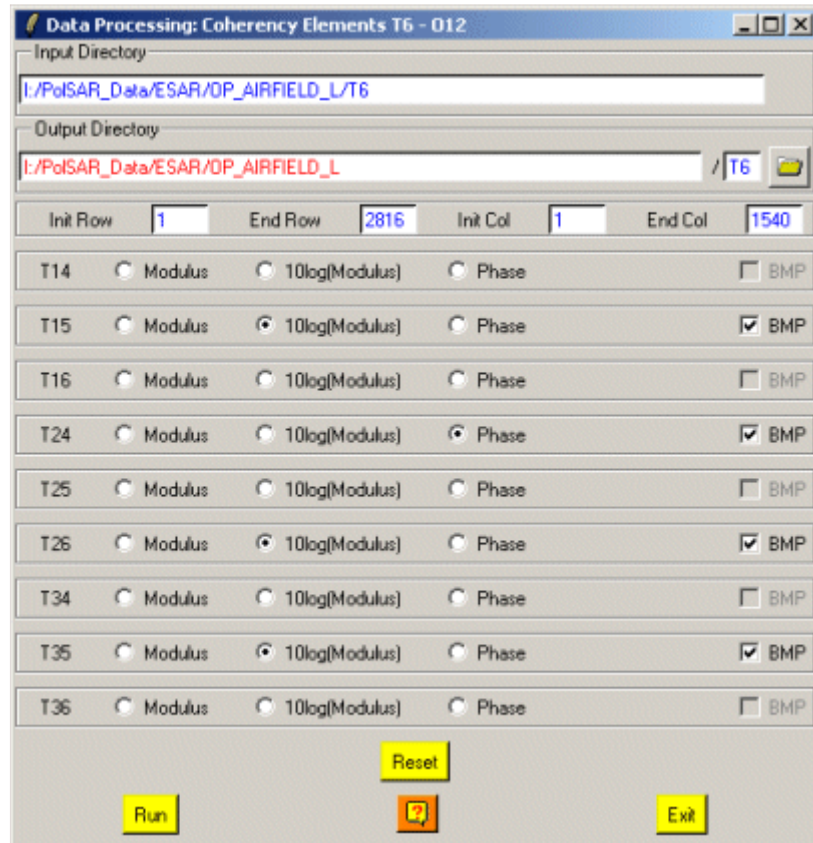


Coherency Matrix Elements Processing – O12



Data Processing: Coherency Elements T6 - O12

Input Directory: I:/PolsAR_Data/ESAR/OP_AIRFIELD_L/T6

Output Directory: I:/PolsAR_Data/ESAR/OP_AIRFIELD_L /T6

Init Row: 1 End Row: 2816 Init Col: 1 End Col: 1540

T14	<input type="radio"/> Modulus	<input type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input type="checkbox"/> BMP
T15	<input type="radio"/> Modulus	<input checked="" type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input checked="" type="checkbox"/> BMP
T16	<input type="radio"/> Modulus	<input type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input type="checkbox"/> BMP
T24	<input type="radio"/> Modulus	<input type="radio"/> 10log(Modulus)	<input checked="" type="radio"/> Phase	<input checked="" type="checkbox"/> BMP
T25	<input type="radio"/> Modulus	<input type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input type="checkbox"/> BMP
T26	<input type="radio"/> Modulus	<input checked="" type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input checked="" type="checkbox"/> BMP
T34	<input type="radio"/> Modulus	<input type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input type="checkbox"/> BMP
T35	<input type="radio"/> Modulus	<input checked="" type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input checked="" type="checkbox"/> BMP
T36	<input type="radio"/> Modulus	<input type="radio"/> 10log(Modulus)	<input type="radio"/> Phase	<input type="checkbox"/> BMP

Buttons: Run, Reset, Exit

Description:

Creates binary files corresponding to the modulus and argument of the **O12 part** of the (6x6) complex Coherency matrix ([**T6**]) raw binary data.
An option may be set to simultaneously create the corresponding bitmap image files.

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 **MainDirectory / T6 (MD / T6)** containing the [**T6**] matrix data to be processed.

Output Directory Indicates the location of the processed data output directory.
The default value is set automatically to : **MainDirectory / T6 (MD / T6)**.

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.

Note: init and end values have to remain within the range defined by the input image dimensions.

Selection of the Channels to be Processed:

Several channels may be processed at a time. The selection of the BMP options enables the creation of output bmp files.

Users may choose between three types of output binary data :

- **Modulus** : Linear representation of the considered **[T6]** element amplitude. Output file name : Tij_mod.bin (.bmp)
 - **Modulus** : Element amplitude in dB= $10\log_{10}(\text{Modulus})$. Output file name : Tij_dB.bin (.bmp)
 - **Phase** : Argument of the considered complex **[T6]** element (Only available for off-diagonal elements). Output file name : Tij pha.bin (.bmp)
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