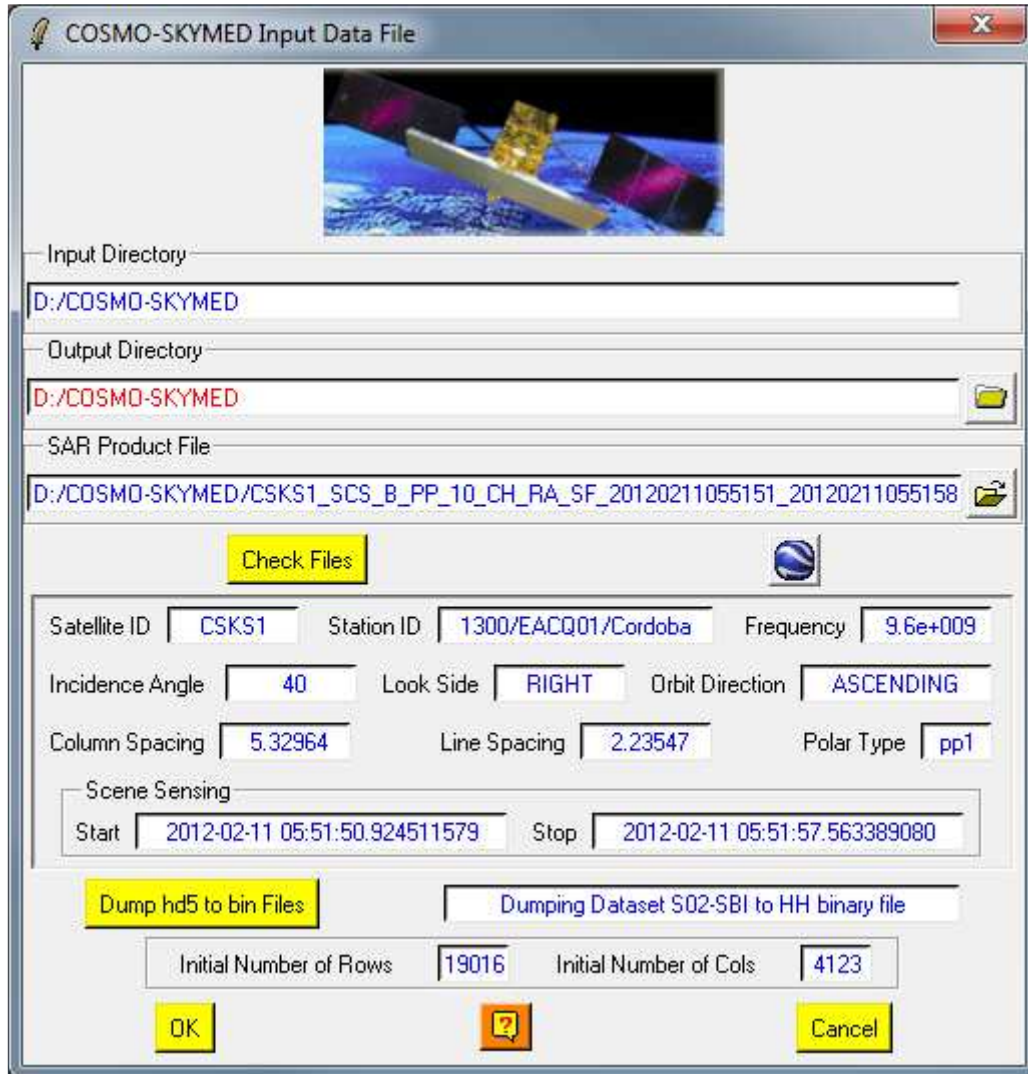


## COSMOS-SKYMED (CSK) Input Data File



The screenshot shows the 'COSMO-SKYMED Input Data File' dialog box. It features a satellite image at the top. Below it, there are fields for 'Input Directory' (D:/COSMO-SKYMED), 'Output Directory' (D:/COSMO-SKYMED), and 'SAR Product File' (D:/COSMO-SKYMED/CSKS1\_SCS\_B\_PP\_10\_CH\_RA\_SF\_20120211055151\_20120211055158). A 'Check Files' button is present. The 'Scene Sensing' section includes fields for 'Satellite ID' (CSKS1), 'Station ID' (1300/EACQ01/Cordoba), 'Frequency' (9.6e+009), 'Incidence Angle' (40), 'Look Side' (RIGHT), 'Orbit Direction' (ASCENDING), 'Column Spacing' (5.32964), 'Line Spacing' (2.23547), and 'Polar Type' (pp1). The 'Start' and 'Stop' times are 2012-02-11 05:51:50.924511579 and 2012-02-11 05:51:57.563389080 respectively. At the bottom, there are buttons for 'Dump hd5 to bin Files' and 'Dumping Dataset S02-SBI to HH binary file', along with fields for 'Initial Number of Rows' (19016) and 'Initial Number of Cols' (4123). 'OK', 'Cancel', and a help icon are also visible.

### Description:

This program sets and configures the main characteristics of the Input Data Files in order to convert polarimetric data sets encoded using the **COSMOS-SKYMED (CSK)** 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 COSMOS-SKYMED data file to be converted.

**Output  
Directory  
SAR Product  
File**

Indicates the location of the converted data output directory

Correspond to an COSMOS-SKYMED meta data file (hd5)

**Check Files:**

From the input COSMOS-SKYMED meta data file, this functionality automatically extracts different acquisition parameters



If [Google Earth application](#) is installed on the machine, users have the possibility to visualize the footprint of the measured scene.

**Dump HD5 to bin files:**

Extract and decode polarimetric binary datasets from HD5 data format to bin data format

**Initial Number of Rows/Columns:**

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

