

Polarimetric Tomography

Polarimetric Tomography (Pol-TomSAR)

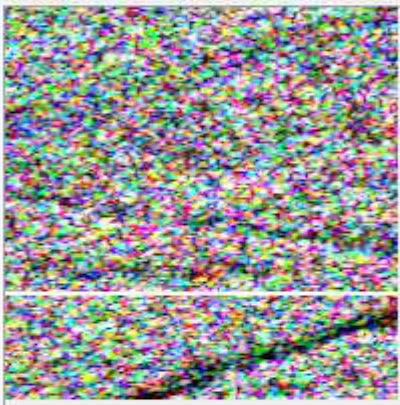
Output Directory
 /

Input 2D Slant-Range DEM File

Input 2D Slant-Range Top Height File

Slant-Range Row values
 min max ☒ [m] ☐ [bin]

Slant-Range Col values
 min max ☒ [m] ☐ [bin]



Mouse Position
 X Y

Selected Pixel
 X Y

Tomogram Along : ☒ Col (X) ☐ Row (Y)

Window Size
 Row Col

Height (z) values
 z min z max delta z

☒ DEM compensation

Algorithm
☒ B.F ☐ Capon

Input - Output Process Directory

Polarization Channels
☒ HH ☒ HV ☒ VW ☒ HH + VW ☒ HH - VW ☒ LL ☒ LR ☒ RR

Matrix Elements
☒ Span ☒ Corr Coeffs - [T3] ☒ Corr Coeffs - [C3] ☒ C.C.C ☒ Normalized C.C.C

Eigenvalues parameters
☒ Entropy / Anisotropy / Alpha / Lambda
☒ Shannon Entropy
☒ Probabilities (p1,p2,p3) / eigenvalues (L1,L2,L3)
☒ Eigenvalue Relative Difference (E.R.D)
☒ Polarisation asymetry / polarisation fraction

Polarimetric Decompositions
☒ Arie NNED 3 components
☒ Van Zyl 3 components
☒ Freeman 3 components
☒ Singh 4 components
☒ Yamaguchi 4 components

Description:
