6th ADVANCED COURSE

ON RADAR POLARIMETRY 2021

Polarimetric SAR Tomography (Pol-TomoSAR) Practical session

FERRO-FAMIL Laurent – TEBALDINI Stefano

14 / 05 / 2021



DATASETS



<u>Campaign</u>	<u>BioSAR 2008 - ESA</u>
System	E-SAR - DLR
Site	Krycklan river catchment, Northern Sweden
Scene	Boreal forest Pine, Spruce, Birch, Mixed stand
Topography	Hilly
Tomographic Tracks	6 + 6 - Fully Polarimetric (South-West and North-East)
Carrier Frequency	P-Band and L-Band
Slant range resolution	1.5 m
Azimuth resolution	1.6 m
Vertical resolution (P-Band)	20 m (near range) to >80 m (far range)
Vertical resolution (L-Band)	6 m (near range) to 25 m (far range)





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PolSARpro - Biomass Edition









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Configure Data Main Directory location



Input Directory: C:/ .../ Pol_TomoSAR_datasets / im1











Pol_TomoSAR_datasets / im1 Pol_TomoSAR_datasets / im2 Pol_TomoSAR_datasets / im3 Pol_TomoSAR_datasets / im4 Pol_TomoSAR_datasets / im5 Pol_TomoSAR_datasets / im6

Save & Exit

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WARNING



🦨 Polarimetric SAR Data Processing and Educational Tool - Biomass v1.0 - Menu	
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T3 S Environment Convert Process Display Calibration Utilities Tools Configuration Help Tools Configuration Help	Quit



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Note : DEM and Top height files generator

🖉 Pola	rimetric Tomography (Pol-To	mSAR.) - Generators
- Input 2	D Slant-Range DEM File	
	:/Pol_Tomo_datasets/im1/DEM.t Slant-Range axis	Slant-Range values Near Range 100 Far Range 150
- Input 2	DSlant-Range Top Height File —	
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Label (Z) Y axis label	Z_min 180.0000	Z_max 300.0000	Z_unit m
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Select the polarimetric parameter file to be displayed

Enter the two ground / top profile files





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