

VTT TECHNICAL RESEARCH CENTRE OF FINLAND

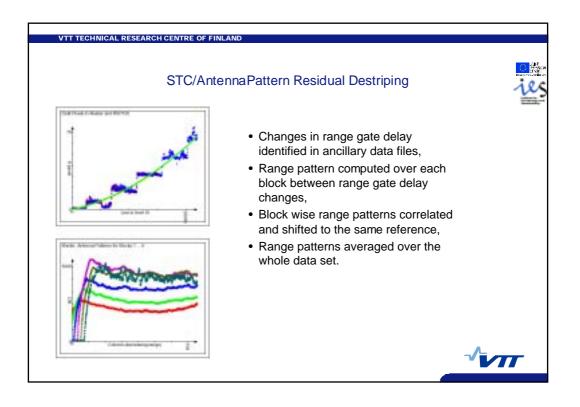
yr Peninsula

Methodology Development



- The first stage of the project,
- Two test scenes available,
- Conclusions:
 - translation-rotation model not enough for geometry revision of the long scenes
 - 6-parameter affine model suitable
 - a new strategy needed in STC (Sensitivity Time Control) and antenna pattern residual destriping,
 - 4-parameter bi-linear model appropriate in scene-to-scene calibartion revision.





4000

3000

Z 2000

1000E

oł

200

400

Range (line)

600

800

Full Swath in Long Scenes

TaigaMos.rgpat solid = fit, dot = data



• The drop-off zone of backscatter at nearrange margin of the swath was included in the Sigma-SAR processor output at NASDA before the processing of the GBFM JERS SAR data



