

The ASCAT tandem operation scenario and its implications on soil moisture retrievals

Christoph Reimer, Sebastian Hahn, Andreea Plocon and Wolfgang Wagner

TU Wien, Department of Geodesy and Geoinformation, Research Group Remote Sensing E120.1

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ASCAT tandem operation

- MetOp-A and B launched in same orbit
- Separated by appr. 48 min.s
 - MetOp-A behind B with respect to UTC

Soil Moisture Retrieval

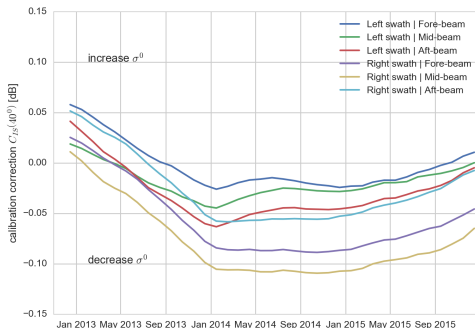
Flowchart of current approach Flowchart of (near) future approach * optimal solution to use both sensors * what are the consequences for mp estimation

Spatial Coverage

Temporal Observation Separation

ASCAT-B Level 1b calibration status

■ Inter-calibration with respect to ASCAT-A



Impact on Model Parameter

Soil Moisture Validation In-situ

Soil Moisture Validation ERA-interim

Conclusion