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# SOFOG3D

16 June 2020

# Outline

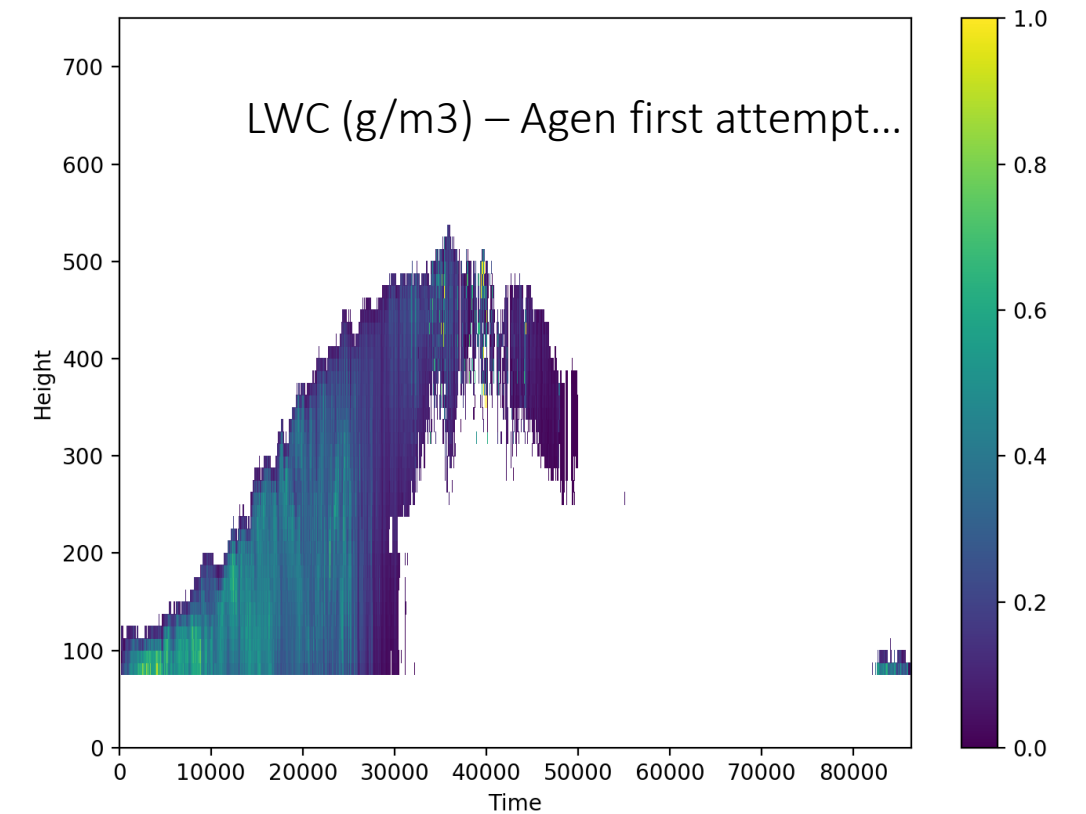
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- Update on Pragya's work
- New files and documents available



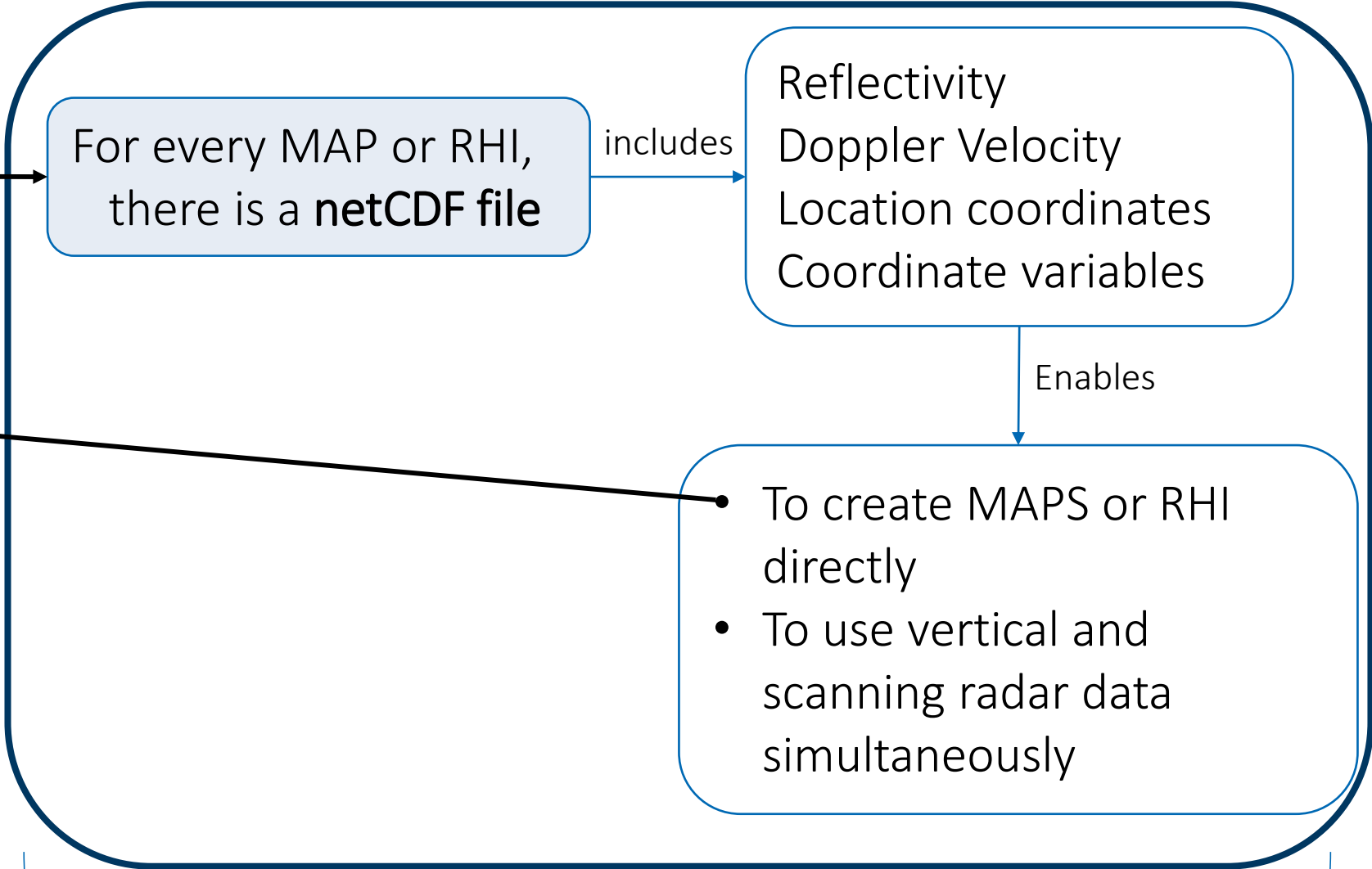
# Pragya's work

- First version of the retrieval tested on synthetic profile  
Z, LWP are assimilated in order to retrieve LWC and a (The forward model  $Z=aLWC^b$ )
  - First adaptation to real data (more than a single profile):  
Agen site: LWP from HATPRO and Z from BASTA-CNRM  
We will develop an ancillary file with LWP, temperature etc... co-located to BASTA L2a data (for both Agen and Super Site)  
We will look at the impact of using LWP on a parameter and test different LWP from Pauline
- We need to evaluate the impact of the radar blind area... (when LWP is assimilated)



# Document availability

	Previously available	New products
<b>Radar data</b>	L0 L1 L2	MAPS netCDF RHI netCDF
<b>Quicklooks</b>	MAPS (Scanning BASTA) RHI (Scanning BASTA) Reflectivity (Vertical BASTA) Doppler Velocity (Vertical BASTA)	
<b>Documentation</b>	Catalogue	L1* L2* MAPS/RHI doc



\* Work in progress

This document explains the netCDF variables



# Example: MAP

## Quicklook

Radar: BASTA-mini LATMOS  
 Data Acquisition mode: Scanning  
 Sampling mode: 12m5  
 Data: MAPS

## Figure file name = netCDF file name:

seq\_16\_maps\_360\_0\_20200209\_034325\_034451\_El=9.875

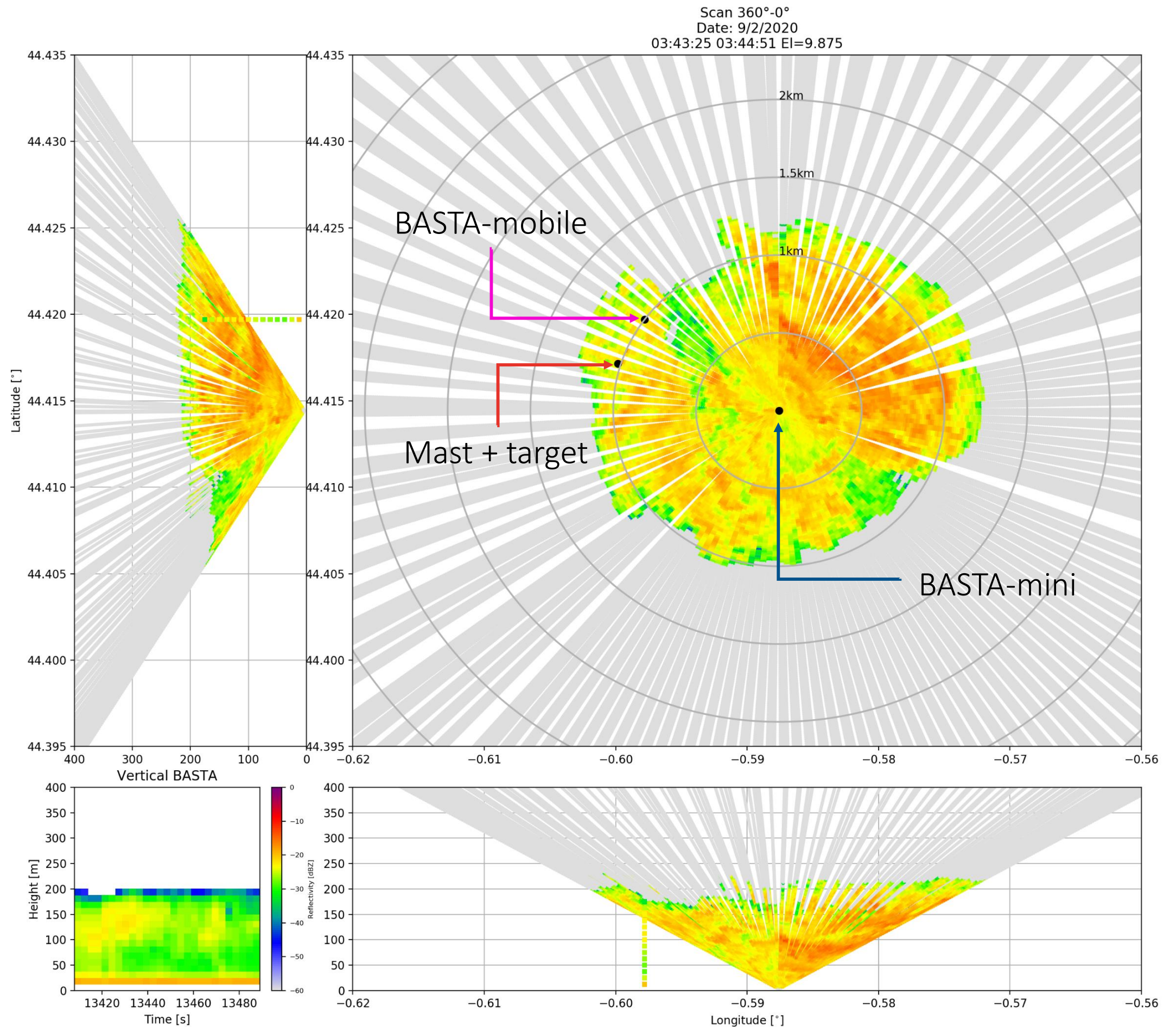
Date
Time interval
Elevation

## NetCDF variables

Location coordinates Supersite  
 BASTA-mini LATMOS  
 BASTA-mobile LATMOS  
 Mast + target

Coordinate variables Coordinates for each gate during the sweep:  
 latitude, longitude, height

16/06/2020



LATMOS 2020

