

# A Novel Approach to Passive Microwave Radiometry Applying the Emerging Technique of Submillimetre- precision Satellite Formation Flight

UK National Earth Observation Conference 2018

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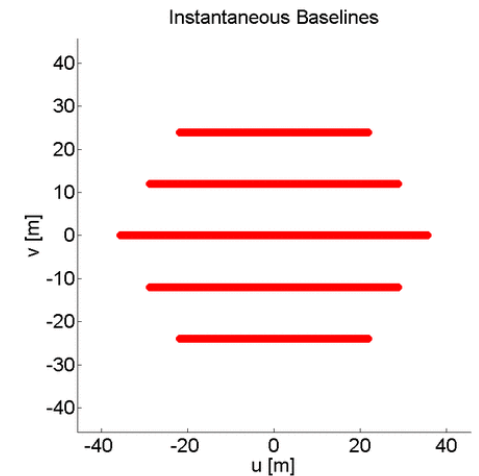
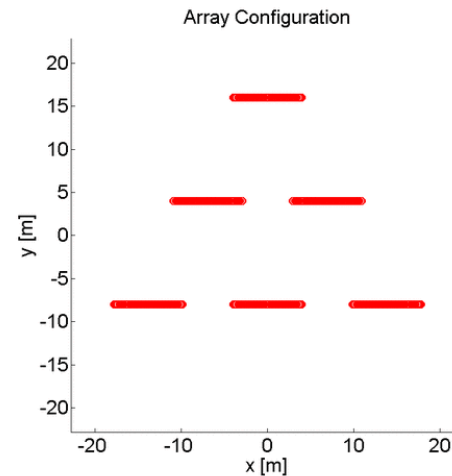
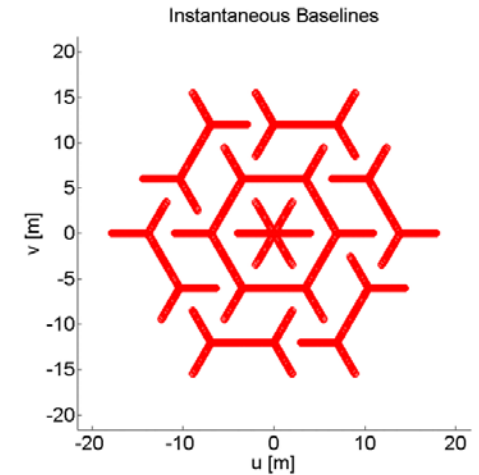
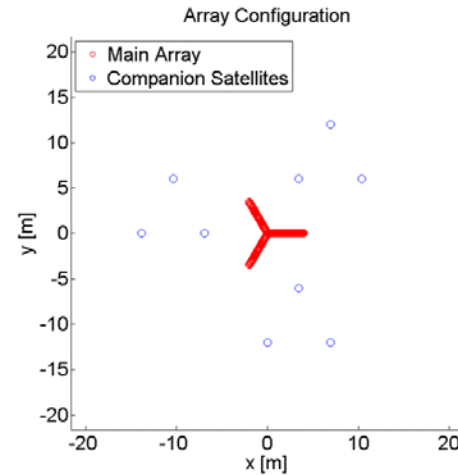
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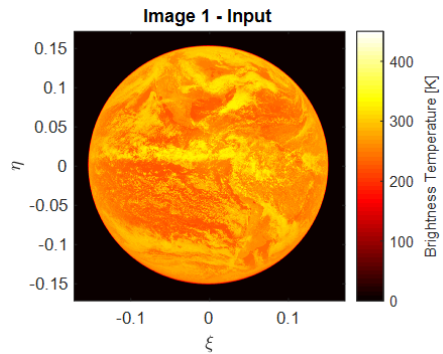
Dr Angelo Grubaišić, Dr Camilla Colombo and Dr Adrian Tatnall

# Interferometry by Formation Flight

State of the Art:  
SMOS (Soil Moisture and Ocean Salinity)  
2009 - active



# Performance Simulation from GEO



TB map recovered at <math><0.1\text{ K}</math> accuracy

Required Formation-keeping  $\Delta V$  at 2.1 m/s/year

