

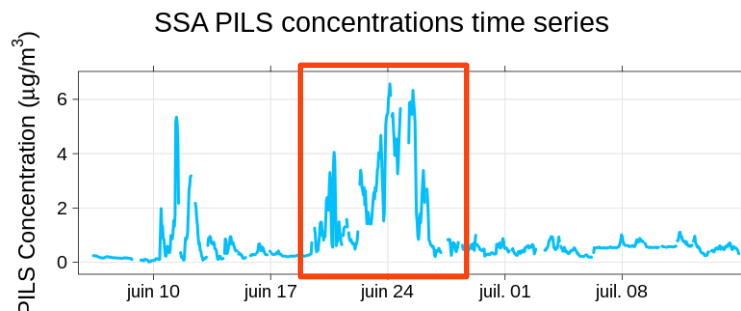
Characterisation of Sea Salt Aerosols during ChArMEx-ADRIMED campaign in Ersa

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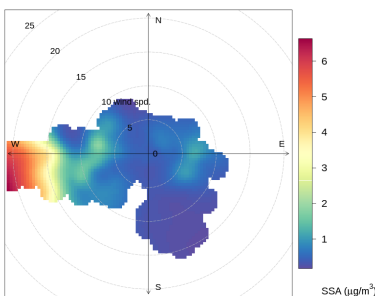
Characterize Sea Salt Aerosols (SSA) using in situ instrumentation and AERONET data
Define chemical-physical and optical properties of SSA to evaluate regional scale Meso-NH simulations

Period of study : 20th to 26th of June



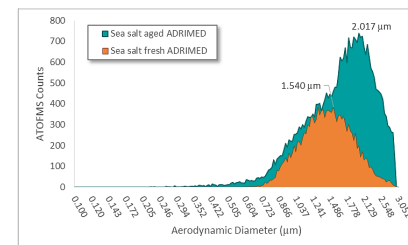
- Sea-Salt particles measured in Ersa
 $SSA = [Cl] + 1.47x[Na]$ (Bates et al., 2008)
- Up to 40 % of the PM10 mass concentration
- Origin of SSA air masses : West

ADRIMED SSA mass concentration
Wind speed and direction (Semaphore weather station)



Characterisation of SSA

- Aging of SSA :
Comparison PILS / ATOFMS



J. Arndt, UCC

- Size distribution (SMPS & OPS) of SSA

