



In situ aerosol characterisation onboard the BAe146

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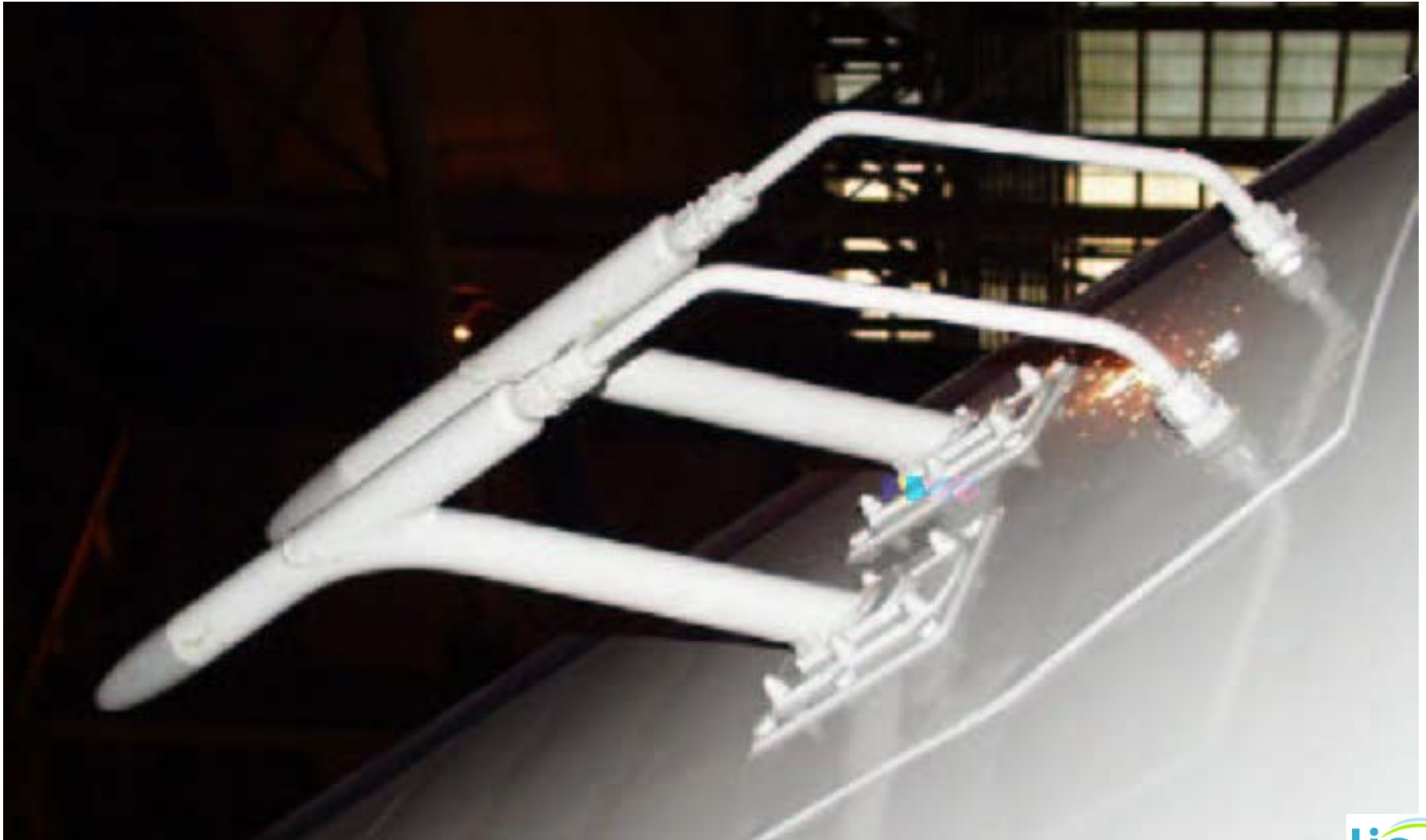
Univ. Florence: S. Nava

LSCE: H. Cachier, K. Oikonomou

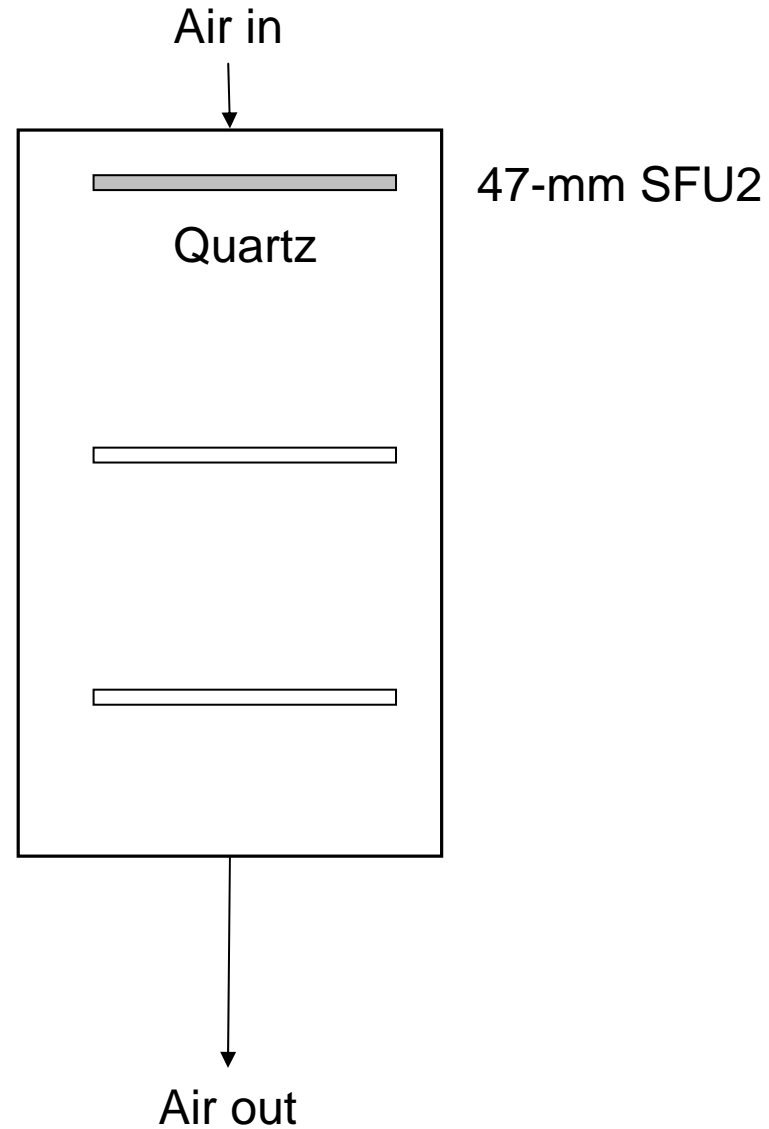
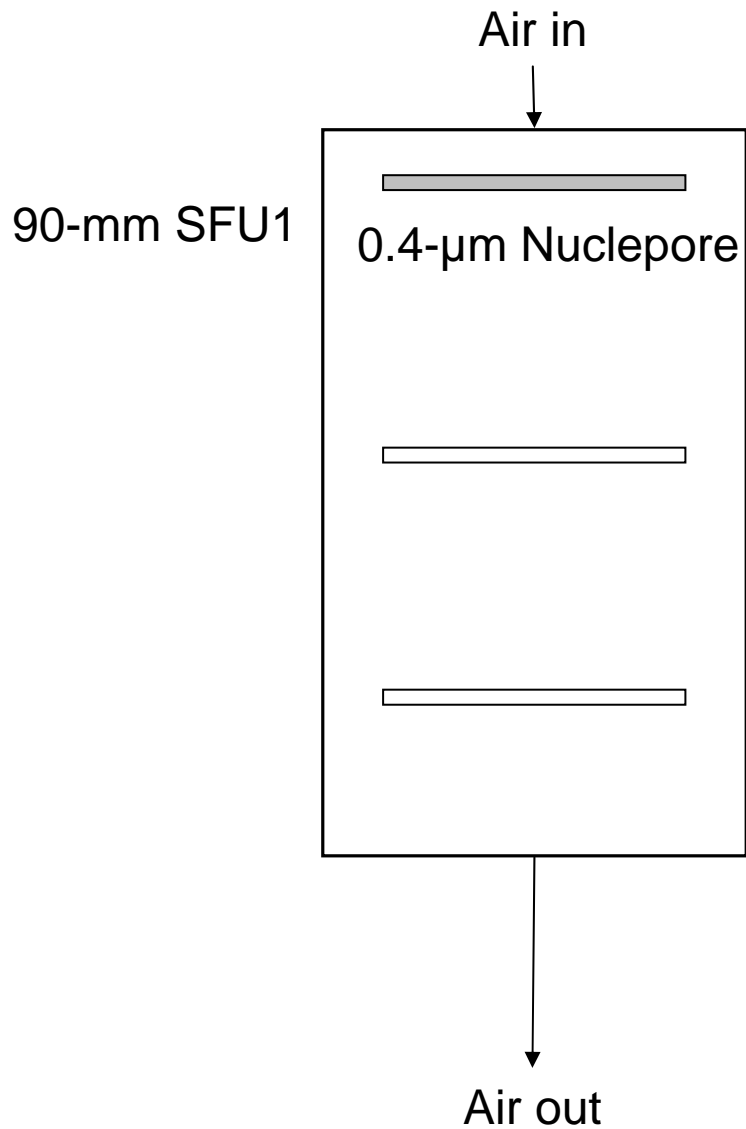
UK MetOffice: S. Osborne



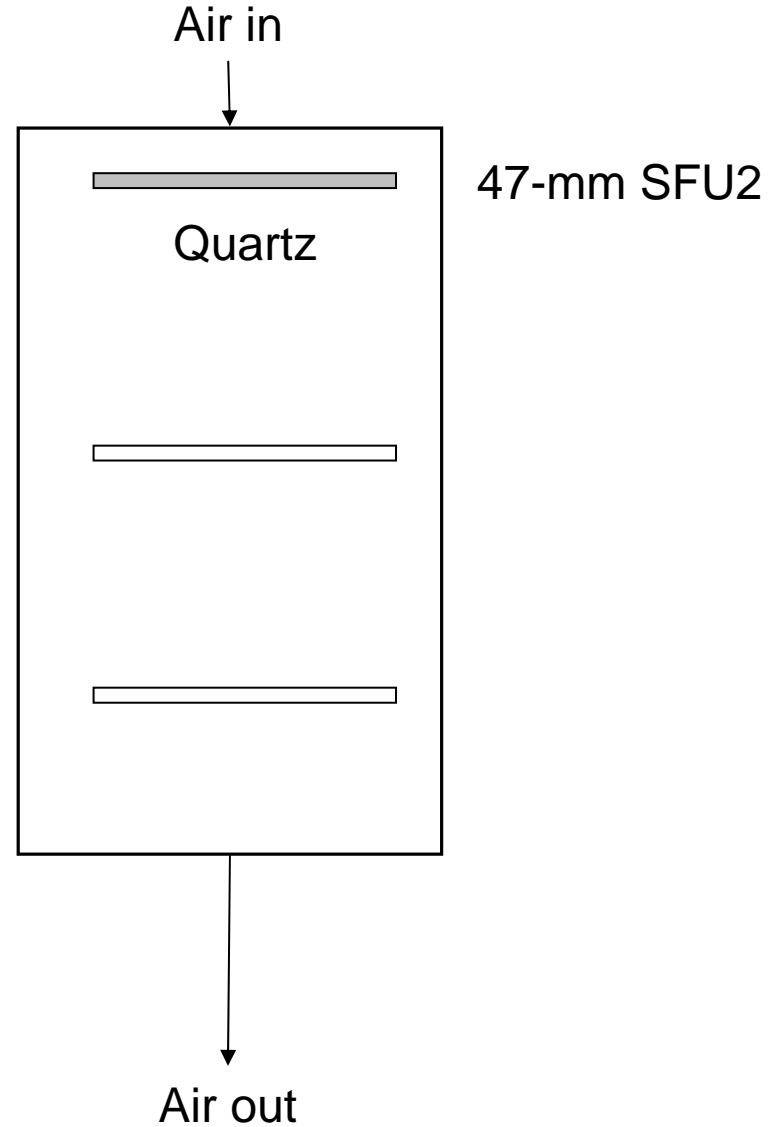
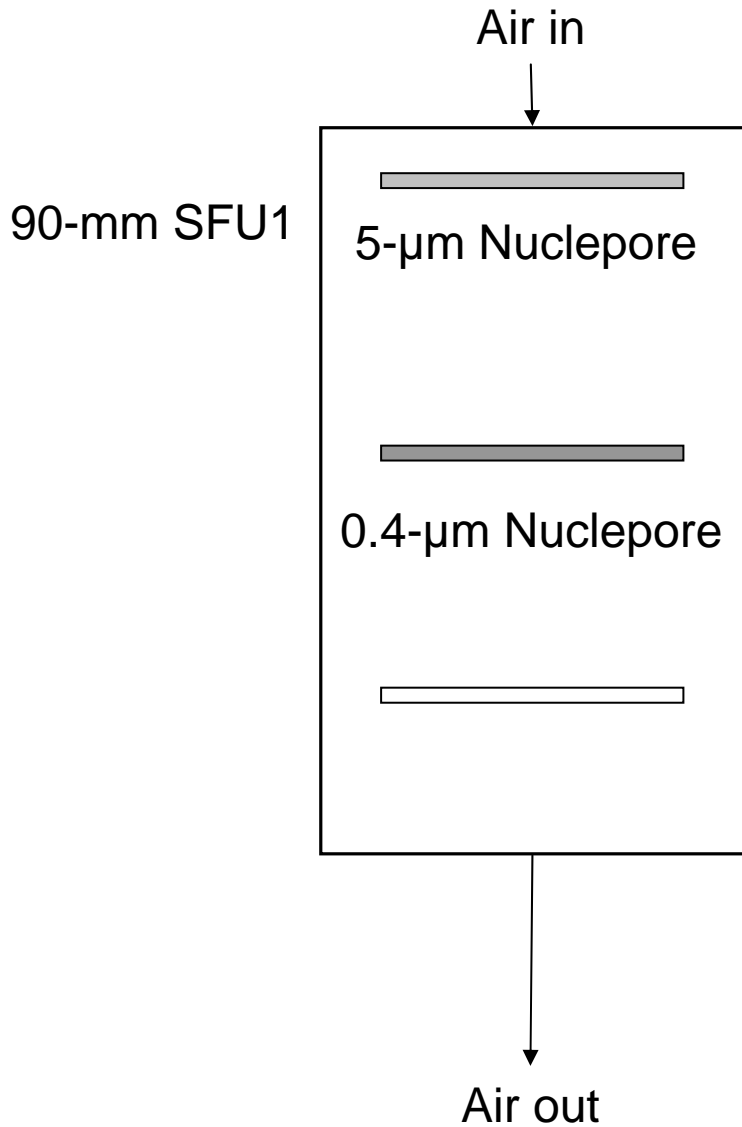
Airborne aerosol filter sampling



Airborne aerosol filter sampling



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Airborne aerosol sampling and analysis

- About 100 samples
 - SLR from ~ 170 feet to FL120
 - Various aerosol types (dust, fresh BB, old BB, marine, background, their mixing)

B161 – 23 Janvier, nord of Niger

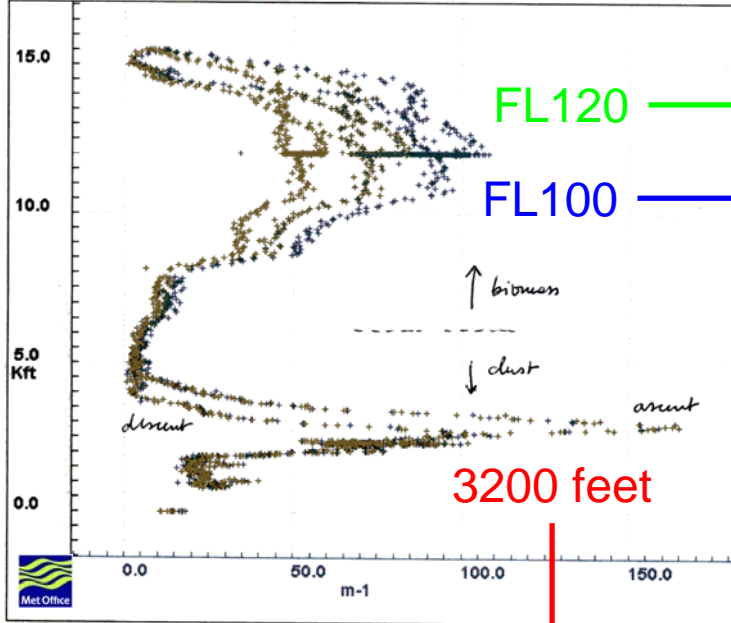
Flight B161 09:53:44

Heading 51 deg Speed 255 knots Height 12.0kft Press 643mb

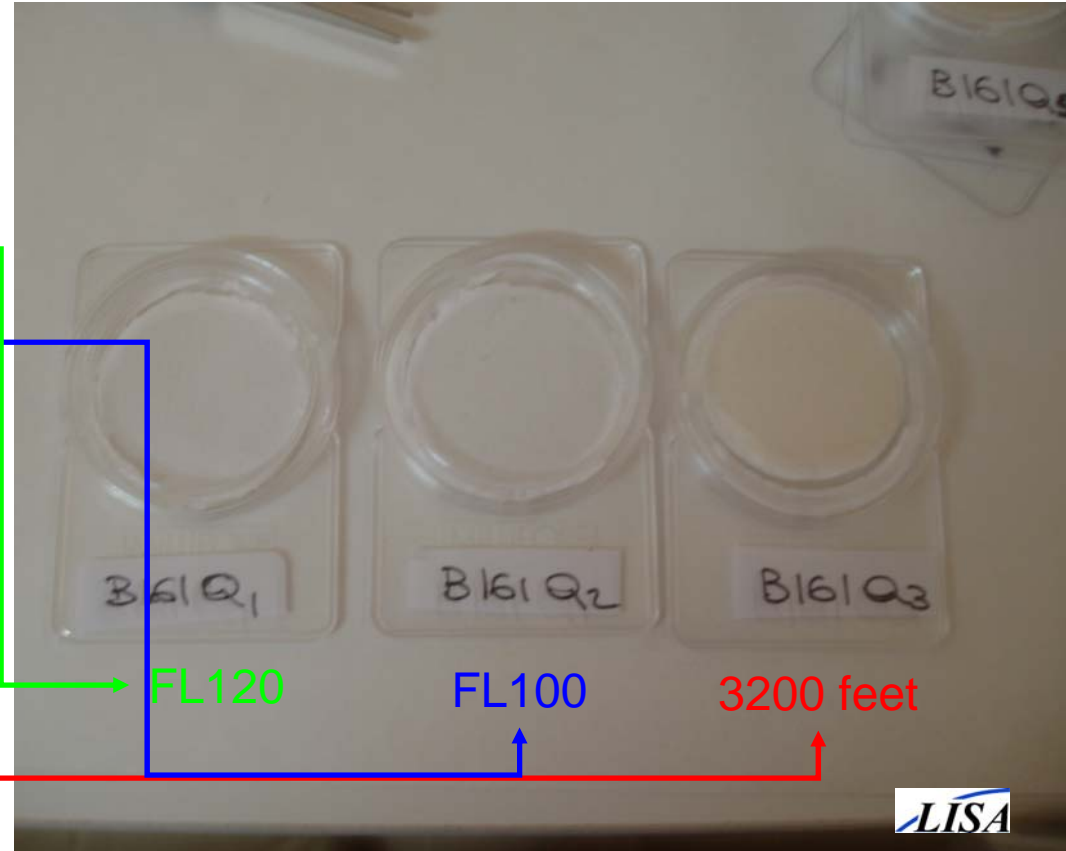
Lat 15.0N Long 4.3E Wind 6 ms-1/ 258 deg

Temp 5.92C Dewpoint -3.86C

From 09:06 to now



Current values			
++++	PRESSURE HEIGHT	12.03	Kft
++++	NEPH BLUE SP	92.55	m-1
++++	NEPH GREEN SP	73.72	m-1
++++	NEPH RED SP	52.05	m-1



Airborne aerosol filter analyses