

# **$^{14}\text{C}$ RESULTS**

## **DAURE CAMPAIGN**

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### **$^{14}\text{C}$ DAURE CAMPAIGN**

#### **Feb-March 2009:**

Barcelona  $\text{PM}_{10}$ : 7 samples

Montseny  $\text{PM}_{10}$ : 7 samples

OC analysed

EC to be done

Results presented now

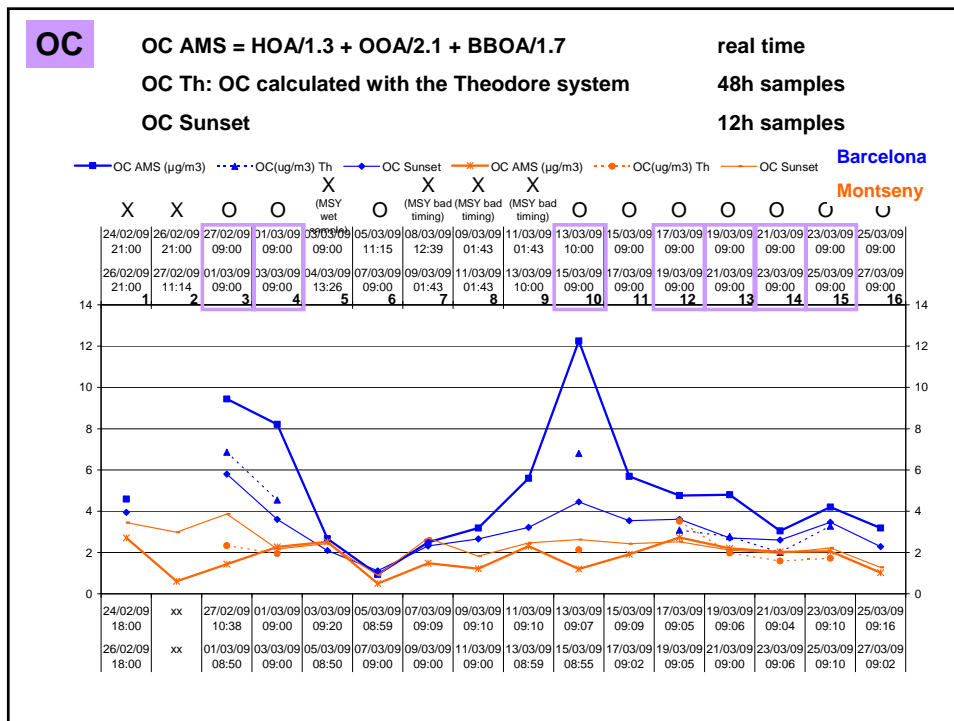
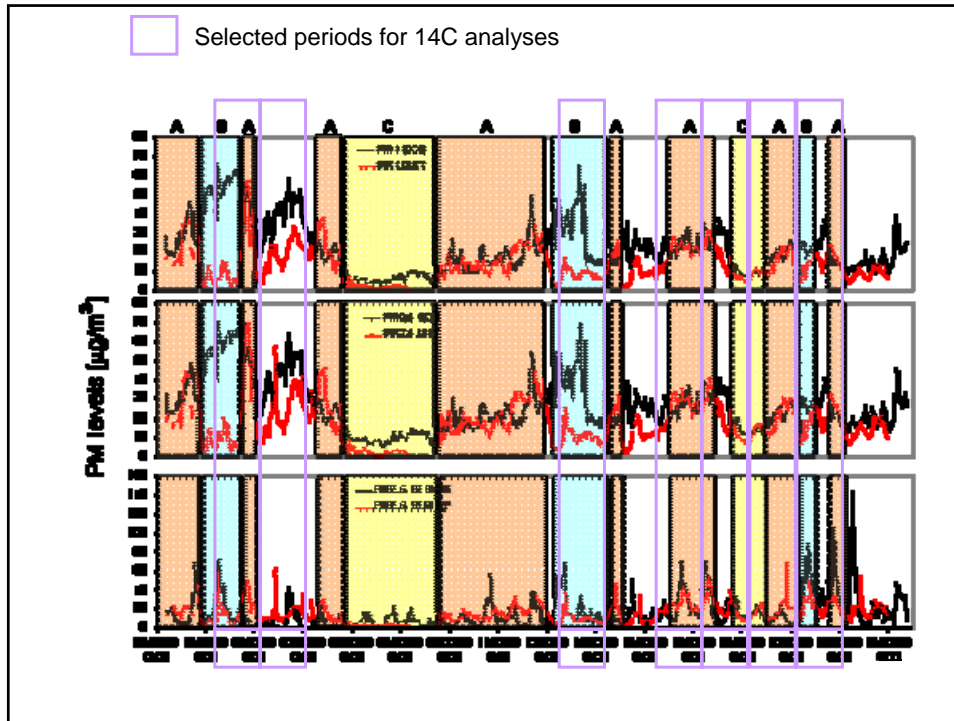
#### **July 2009:**

Barcelona  $\text{PM}_{10}$ : 6 samples

Montseny  $\text{PM}_{10}$ : 6 samples

OC in process today!

EC to be done



**OM**

Org: OM from AMS

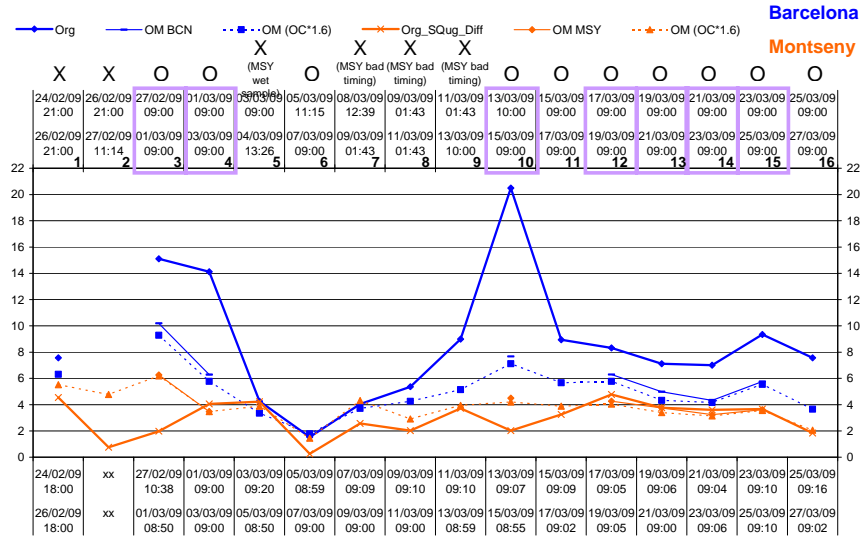
real time

OM: 1.6\*OC Sunset

12h samples

OM: estimated from  $OC_{fossil} * 1.4 + OC_{nonfossil} * 2.25$

12h samples+48h samples



**TO DISCUSS:**

- OM AMS higher than OM Sunset in BCN

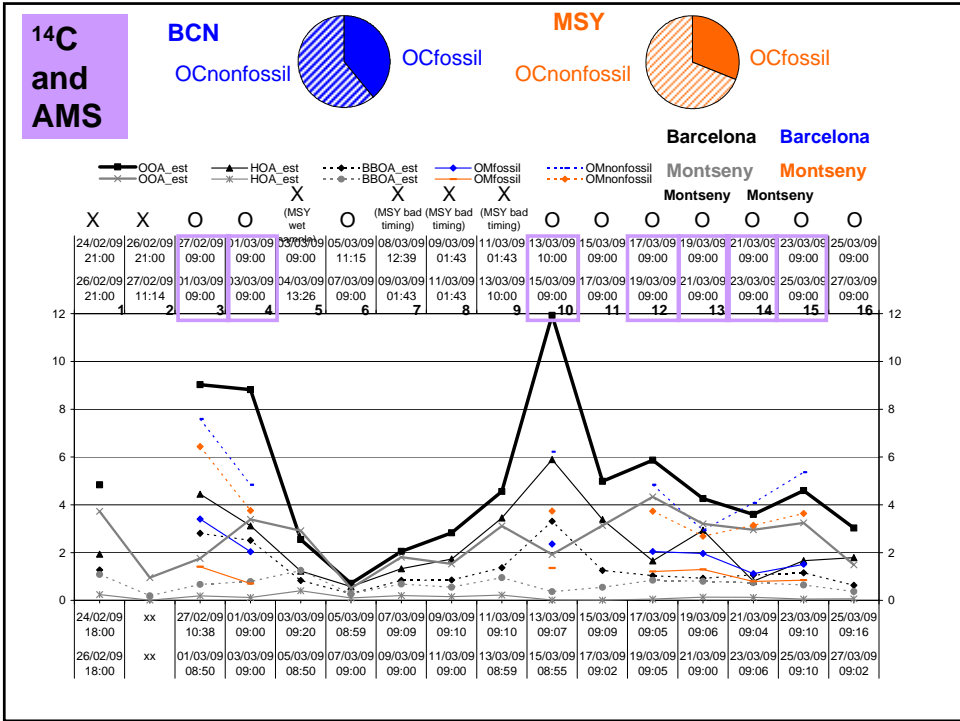
Reasons?

-- Slight overestimation from AMS (NO3 and SO4 AMS values are 2 and 1.5 higher than filter values)

-- Slight underestimation from Sunset given that filters are not frozen and hence some VOC can be lost

- OM AMS lower than OM Sunset in MSY

Reasons?

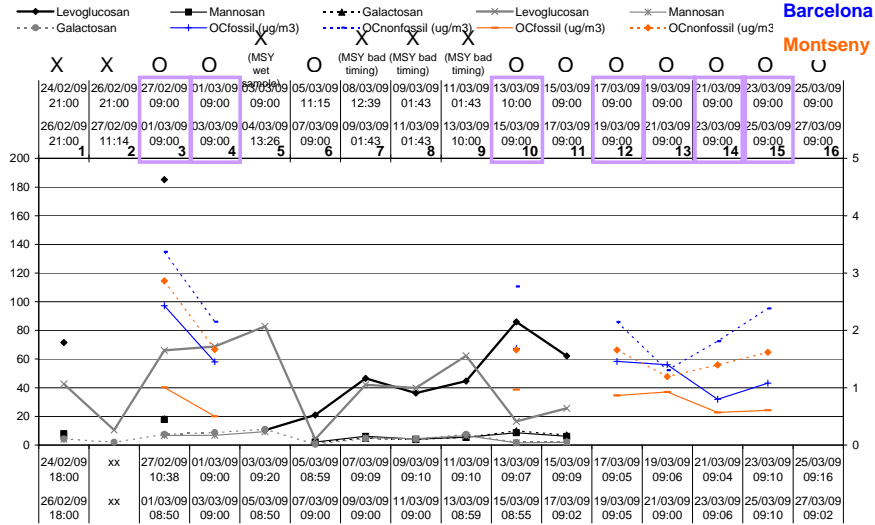


**TO DISCUSS:**

- Fossil fraction in BCN lower than expected
- Difference between BCN and MSY lower than expected

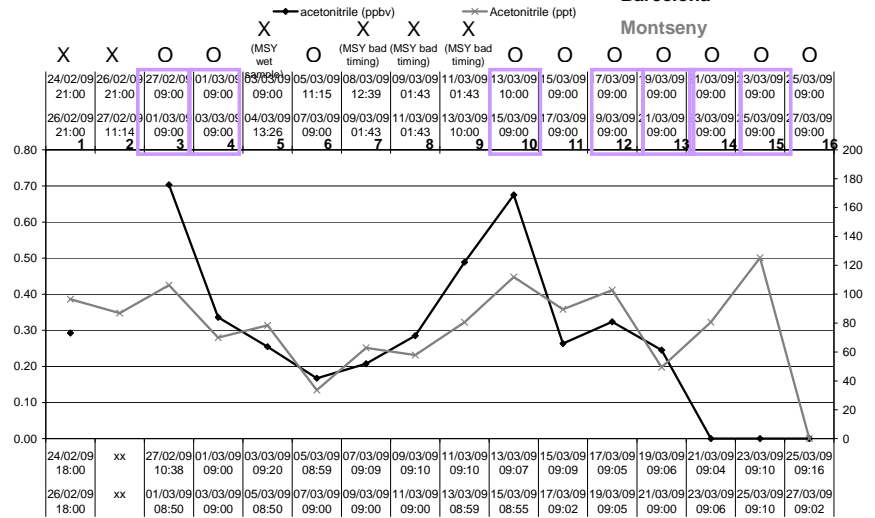
# <sup>14</sup>C and levoglucosan

Barcelona  
Montseny



# acetonitrile

Barcelona  
Montseny



Thanks to:

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Marco Pandolfi (PM and more)

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Finnish Met. Institute (levoglucosan)

Roger Seco, CREAM (acetonitrile BCN)

Axel Metzger, Simon Schallhart, Markus Mueller (acetonitrile MSY)