

SORPIC

4 May Polar 5 Flight

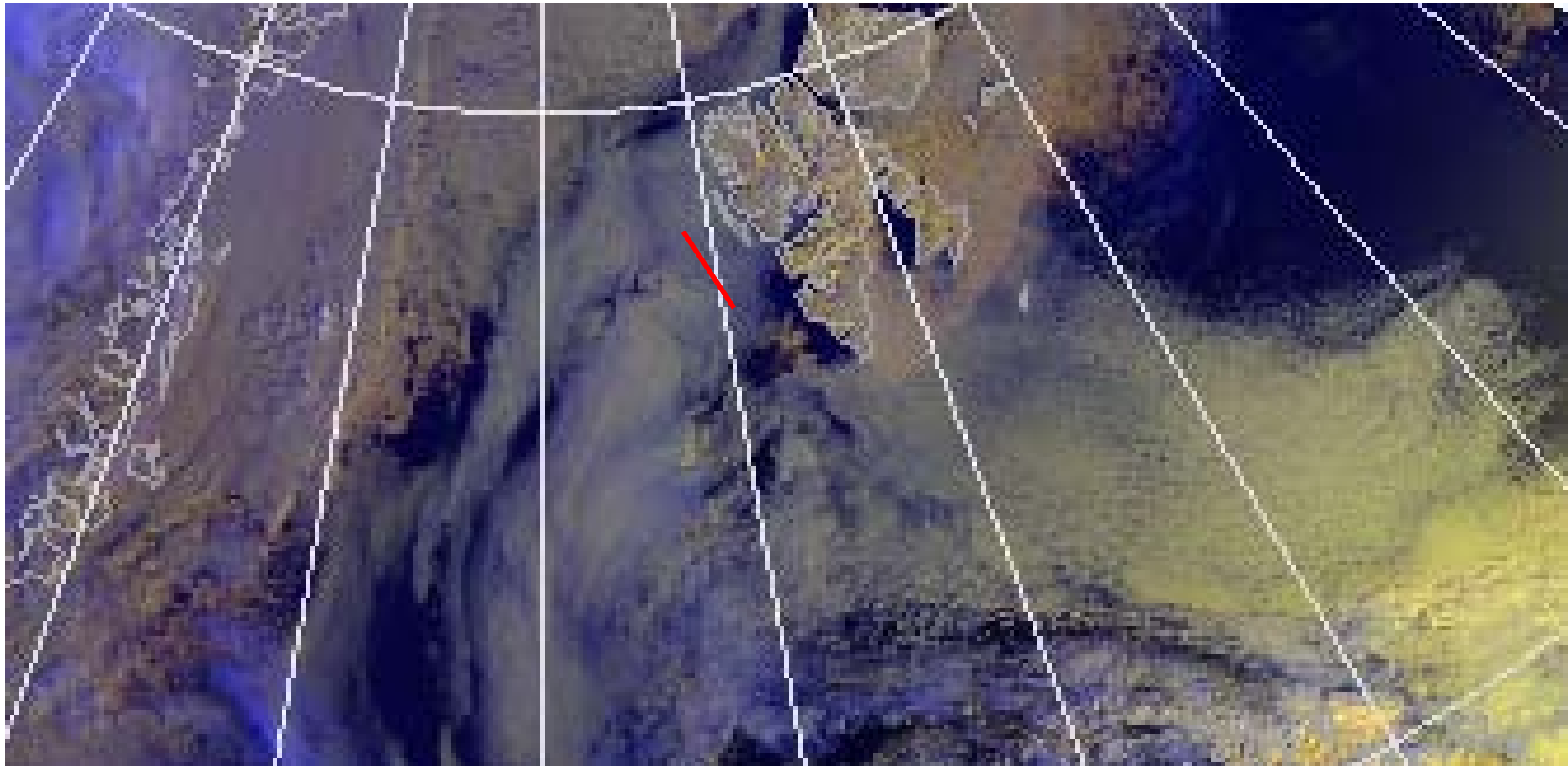
Christophe Gurbeyre, Jean – François Gayet and Régis Dupuy

LaMP CNRS / Université Blaise Pascal

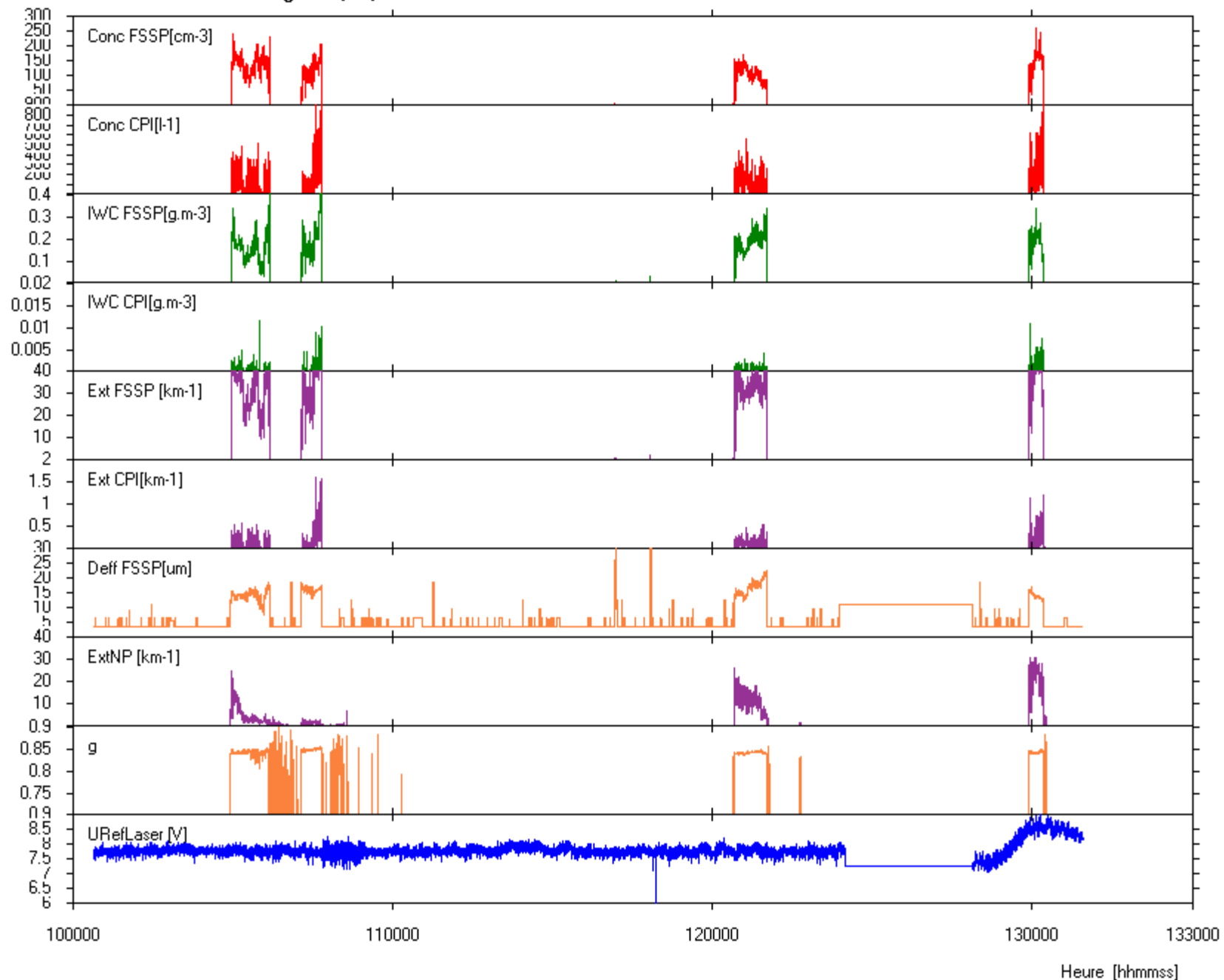




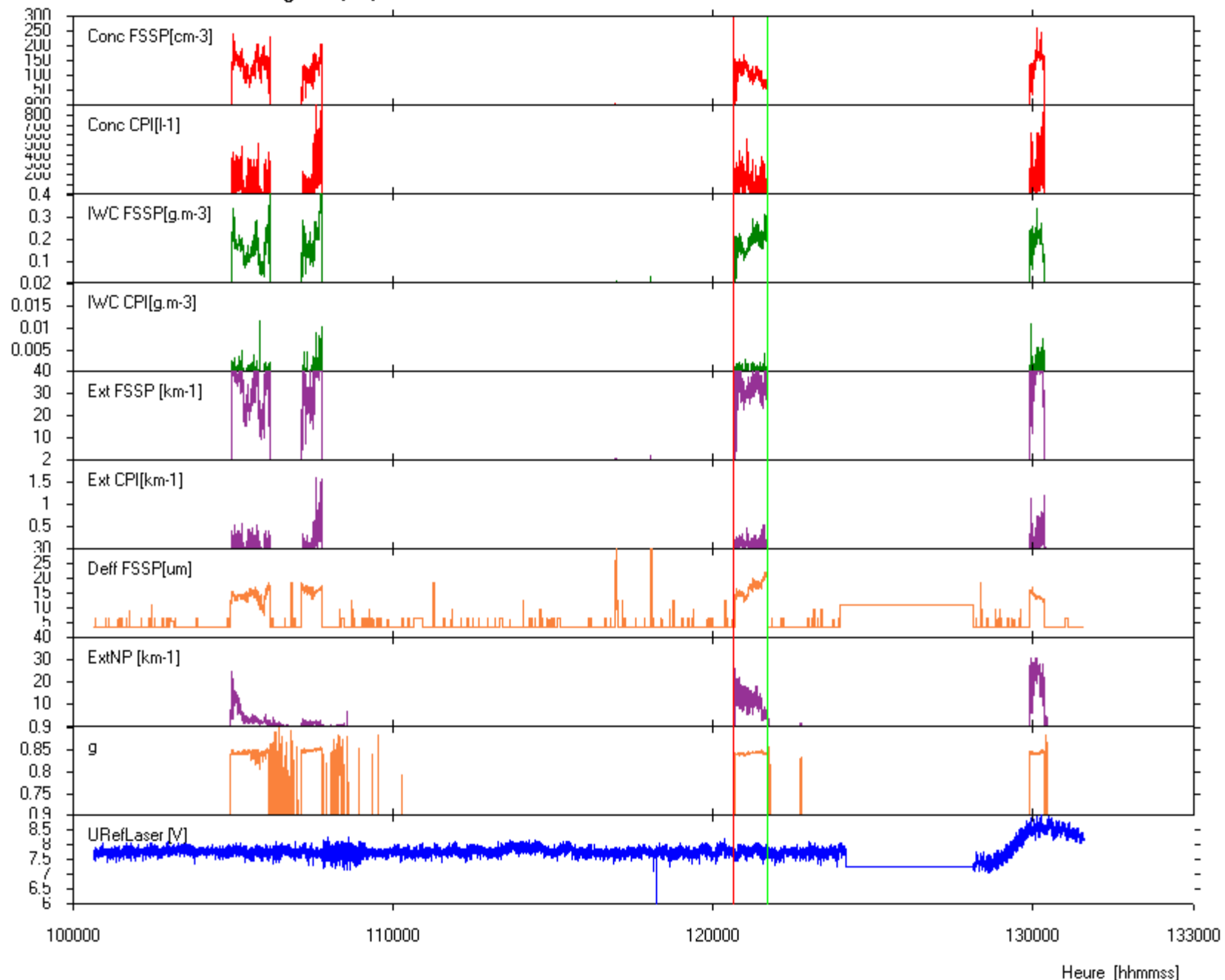
NOAA-18 N-Europa rgb
Tirsdag 2010-05-04 09:53



Fight 04/05/2010

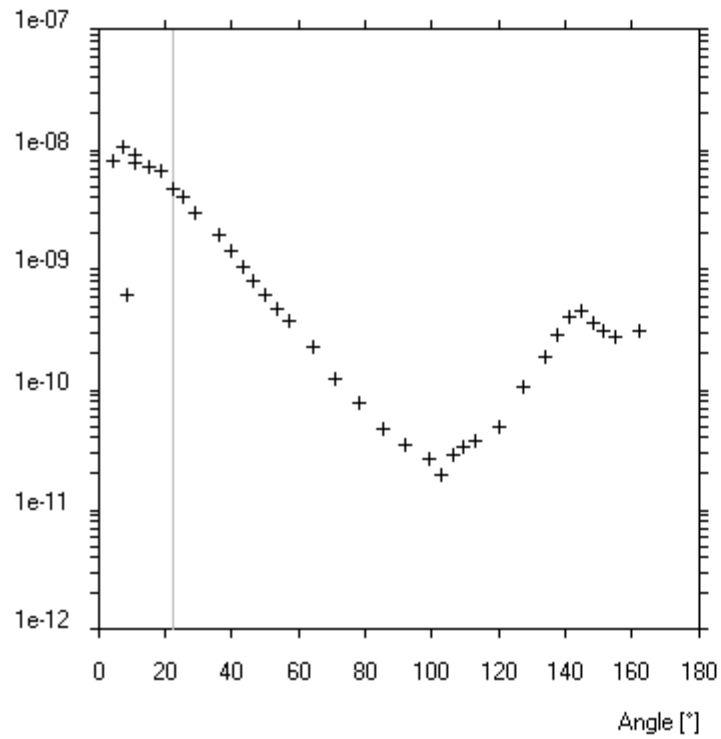


Flight 04/05/2010



120354 -> 121012

Section efficace volumique [$\mu\text{m}^{-1}\cdot\text{sr}^{-1}$]

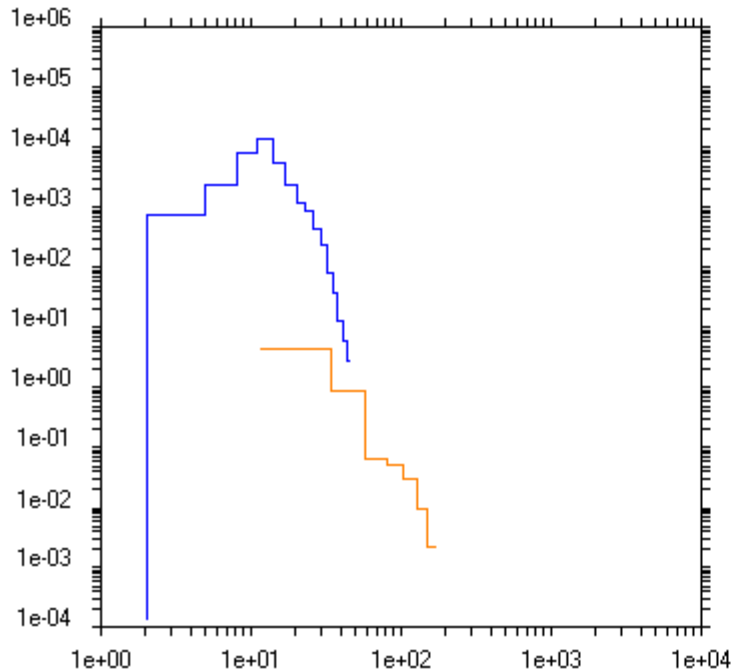


gphf = 0.839 Ext phf= 11.59 km⁻¹ Npts = 368

g = 0.839 Extinction Coefficient = 11.59 km⁻¹

120354 -> 121012

concentration [$\Gamma^{-1}, \mu\text{m}^{-1}$]

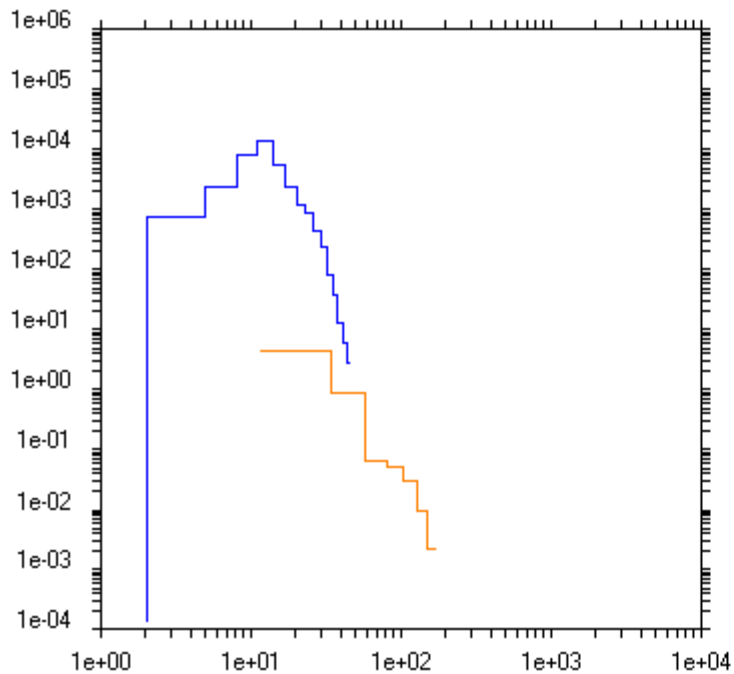


Diamètre [μm]

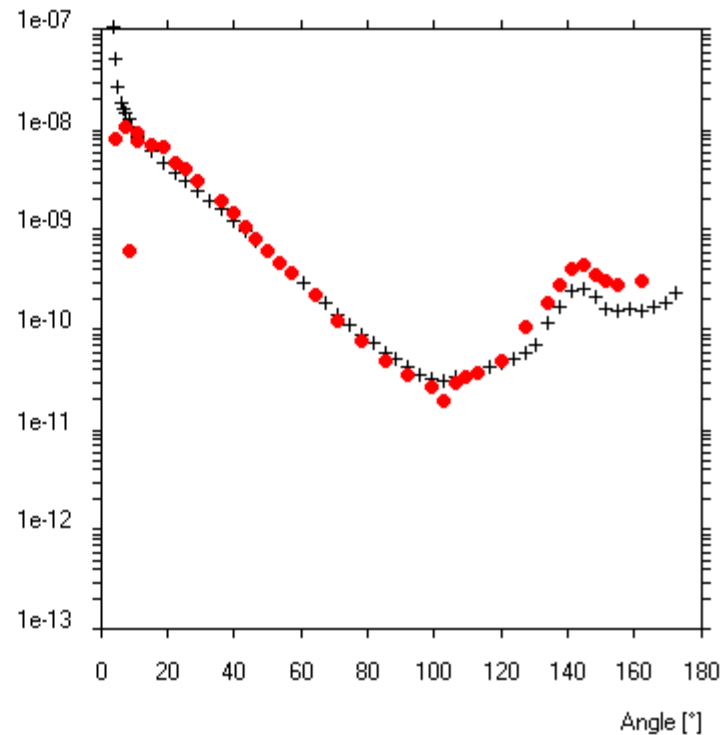
Temp = 4.3 °C Alti = 0 m RHI = 0
 Wind = 0.0 m/s Dir = 0 NPT = 368
 Conc1d = 105.7 cm⁻³ Sconc1d = 30.2 cm⁻³ Conc1dM = 167.6 cm⁻³
 Lwc1d = 0.182 g/m³ Slwc1d = 0.052 g/m³ lwc1dM = 0.331 g/m³
 Ext1d = 32.3 km⁻¹ Sext1d = 7.3 km⁻¹ ext1dM = 45.9 km⁻¹
 Deff1d = 16.5 μm SDeff1d = 3.2 μm Deff1dM = 22.6 μm
 Conc2d = 0.0 l-1 Sconc2d = 0.0 l-1 Conc2dM = 0.0 l-1
 Conc100 = 0.0 l-1 Sconc100 = 0.0 l-1 Conc100M = 0.0 l-1
 lwc2d = 0.0 mg/m³ Slwc2d = 0.0 mg/m³ lwc2dM = 0.0 mg/m³
 Ext2d = 0.00 km⁻¹ Sext2d = 0.00 km⁻¹ ext2dM = 0.00 km⁻¹
 Deff2d = 0.0 μm SDeff2d = 0.0 μm Deff2dM = 0.0 μm
 ExtNP = 11.6 km⁻¹ SextNP = 4.9 km⁻¹ extNPM = 26.0 km⁻¹
 q = 0.839 Sq = 0.004 qM = 0.845
 P7/P51 = 0.712 P47/P10 = 0.757
 LWVNeV = 0.000 g/m³ TWCNeV = -606.590 g/m³ Deffd = -604.9 μm
 ConcCPI = 118.2 l-1 DeffCPI = 32.4 μm extCPI = 0.1 km⁻¹ iwcCPI = 0.2 mg/m³

120354 → 121012

concentration [$\Gamma^{-1}, \mu\text{m}^{-1}$]



Section efficace volumique [$\mu\text{m}^{-1}, \text{sr}^{-1}$]



Diamètre [μm]

Angle [°]

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 Conc100 = 0.0 l-1 Sconc100 = 0.0 l-1 Conc100M = 0.0 l-1
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