

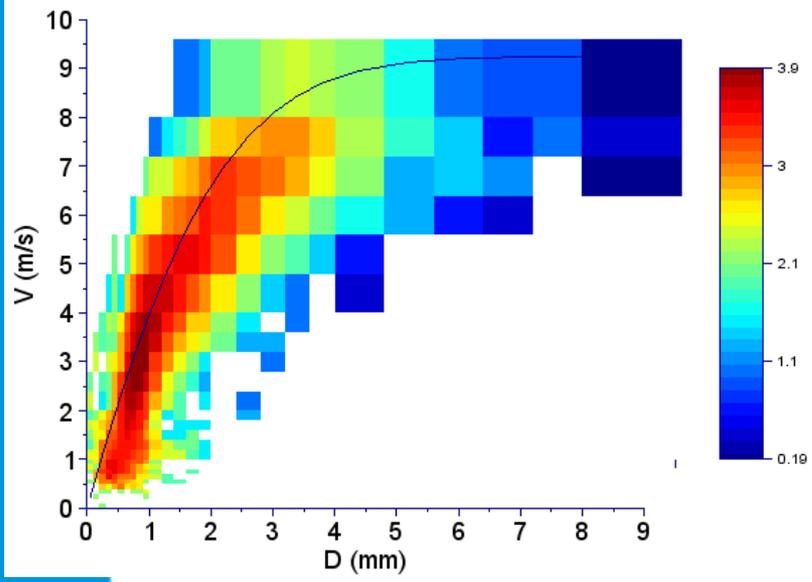
On the roof of the ENPC building :



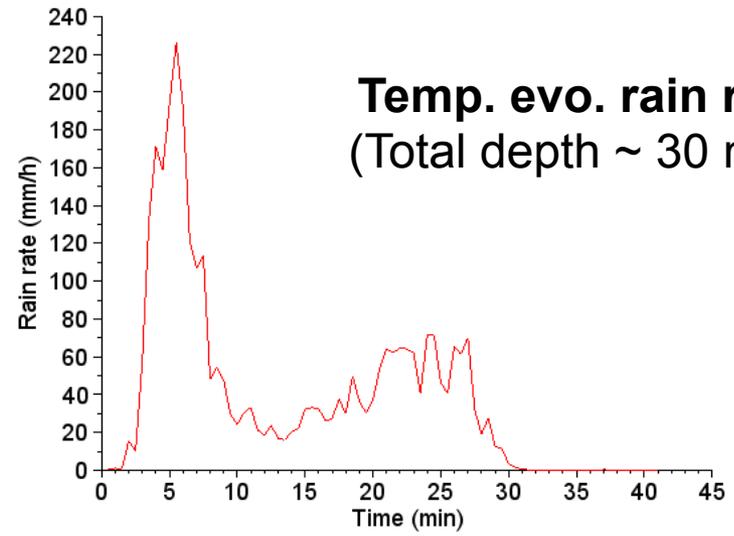
OTT Parsivel<sup>2</sup>  
(occulted light)  
(Available since October 2013)

Campbell Scientific PWS100  
(scattered light)  
(Available since March 2013)

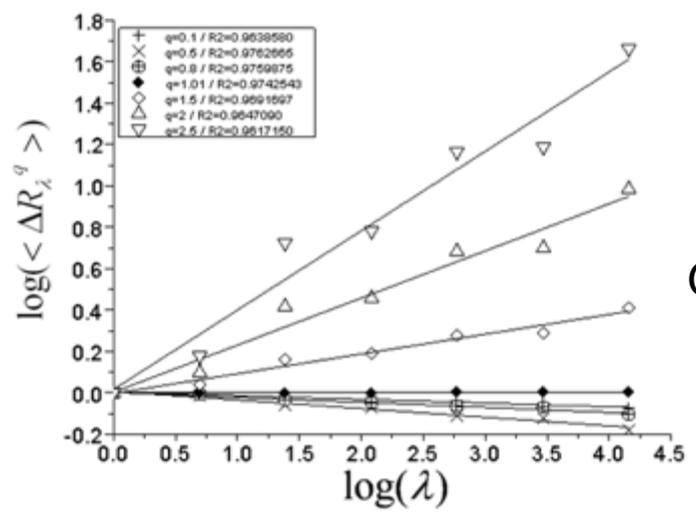
# 19 June 2013, 17h30 – 18h00 : a 10 year return period event !



**Size-Velocity map**  
 (# drop per bin / ( $\Delta D \Delta v$ ), in log)



**Temp. evo. rain rate**  
 (Total depth ~ 30 mm)



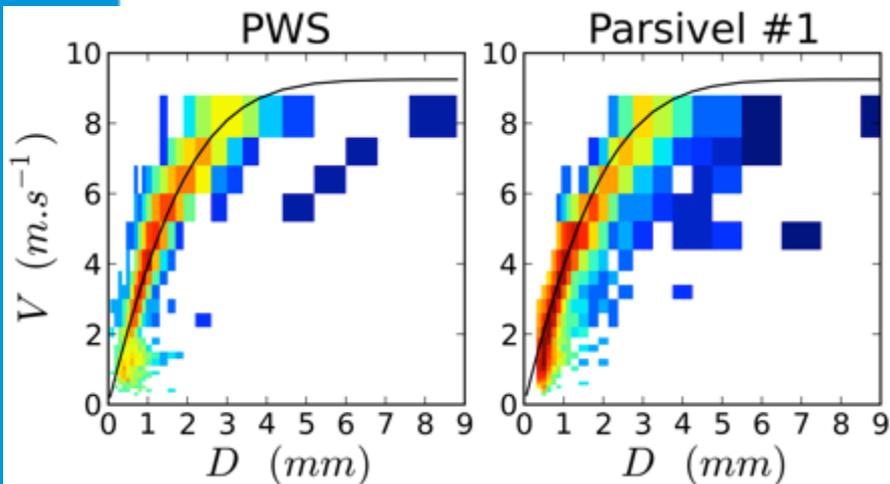
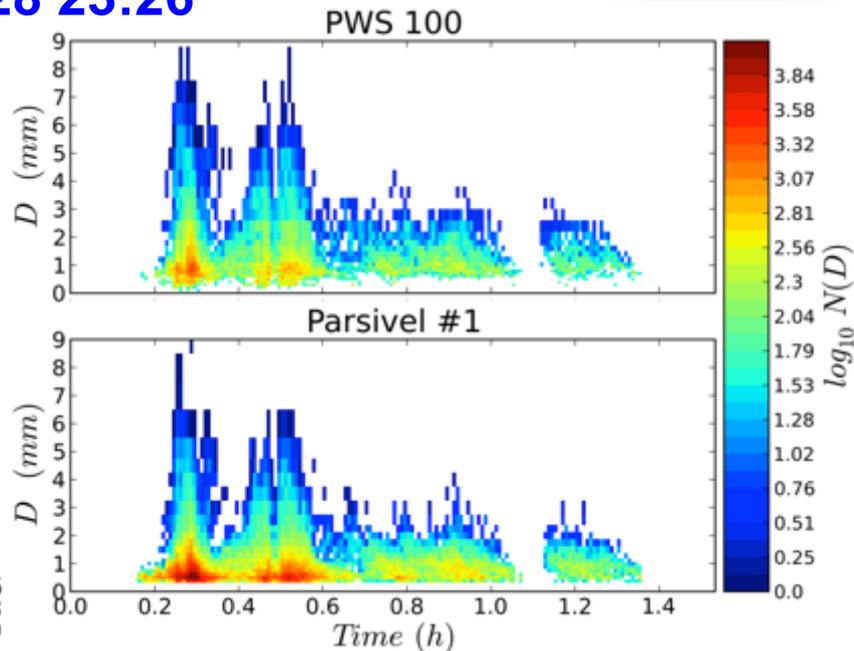
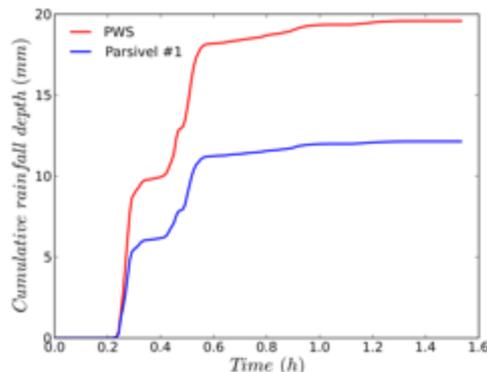
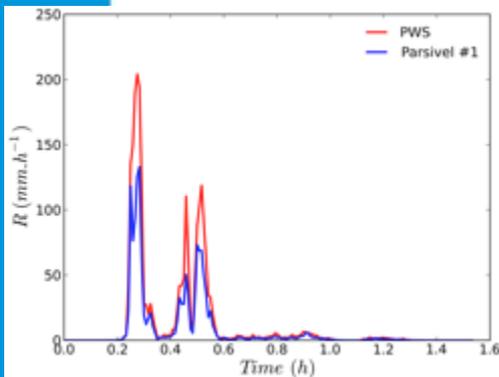
Good scaling behaviour :

$\alpha = 1.69$   
 $C_1 = 0.17$   
 $H = 0.66$



# First comparison of the two disdrometers

2013-09-28 23:26



*Parsivel measures much more small drops and less large ones which have a stronger influence on rain rate (much more data is need to confirm this).*

