Chapter 1 - Figure 1





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O Mount Pinatubo distal fallout (200–600 km)



Figure DR1. Location (represented by a star) of all our samples collected around Mount Pinatubo volcano and used in this manuscript.

Chapter 1 - Annex 3: PM₁₀ variation vs. distance from source







Chapter 2 - Figure 6



 \blacktriangle = within the body of the flow (10s - 480s)

 \diamond = head of the flow (10s - 100s)



A.

B.

C.













B.













Chapter 3 - Figure 14





Chapter 3 - Figure 16

Profiles in the plinian column PL_3 at 3600 s



Chapter 3 - Figure 17



Chapter 3 - Figure 18





















B. Averaged mixture horizontal speed sampled at 5.2 km from source







Chapter 3 – Annex 1, Figure "Grid independence"