

Saltie - a new animal in the Rosetta zoo

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Salties (short for saltwater crocodiles) are hard to detect in a comet because their footprints resemble a mixture of zebras and fish or snakes. Ammonium salt ( $\text{NH}_4^+ + \text{Anion}^-$ ), upon sublimation normally splits into ammonia (zebra) and the protonated anion ( $\text{HCl}$  (fish),  $\text{HCN}$  (snake), etc.). Laboratory work by N. Hänni, however, shows some small deviations from this general recipe, which then allows us to identify several ammonium salts during dust impacts with ROSINA DFMS. In this talk I will show the evidence and discuss the consequences of the detection of ammonium salts in comets.