



Atmospheric erosion by small scale magnetic structures at Venus

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An investigation into the role which small scale magnetic structures play in the erosion of the Venusian atmosphere is underway. Initial studies have indicated that the flow of planetary ions may be associated with these structures. Details of the interactions will be explored. Data from the ion mass analyzer (IMA) instrument and magnetometers onboard the Venus Express are analyzed to confirm that the structures are of the correct scale and then attempts are made to correlate the direction of these structures to signatures in the ion composition data.