Geophysical Research Abstracts, Vol. 7, 06039, 2005 SRef-ID: 1607-7962/gra/EGU05-A-06039 © European Geosciences Union 2005



## ENA observations in the eclipse of Mars

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We present observations of energetic neutral atoms (ENAs) in the eclipse of Mars by the neutral particle imager (NPI), part of the ASPERA-3 experiment on-board Mars Express. The observations are well into the eclipse, where the count rates are low. Therefore we present statistics over all available observations, from the 2004 eclipse season, and from the beginning of the 2005 season. We investigate the different origins of the observed fluxes: instrumental noise, ENAs from Mars and its interaction with the solar wind, and ENAs of heliospheric origin.

The neutral particle imager (NPI) measure the integral ENA flux (0.1-60 keV) with no mass or energy resolution, but with high angular resolution (5 x 11 degrees).