

HEAVY ION FLUX COMPARISON OF MARIE AND ACE/CRIS INSTRUMENTS. K. T. Lee¹, V. Andersen¹, W. Atwell², T. Cleghorn³, F. Cucinotta³, L. Pinsky¹, P. Saganti³, R. Turner⁴, and C. Zeitlin⁵, ¹University of Houston, Houston, Texas USA, ²Boeing Co., ³NASA Johnson Space Center, Houston, Texas USA, ⁴Advancing National Strategies and Enabling Results, ⁵National Space Biomedical Research Institute, Houston, Texas USA.

The charged particle spectrum for nuclei from protons to neon, (charge $Z=10$) has been observed during the cruise phase and in orbit around Mars by the MARIE charge particle spectrometer aboard the Odyssey spacecraft. The cruise data was taken between April 23, 2001 and August 11, 2001. The Mars orbit data was taken from March 5, 2002 through December 2002. Both the cruise data set and the orbital data set are compared with the simultaneous observations made by the CRIS instrument aboard the ACE spacecraft, located at L1. Any detectable differences between the two spacecraft data sets could lead to the understanding of the radial dependence of solar modulation.