

Supporting Information for ”The Io, Europa and Ganymede auroral footprints at Jupiter in the ultraviolet: positions and equatorial lead angles”

V. Hue^{1,2} *, G. R. Gladstone^{2,3}, C. K. Louis⁴, T. K. Greathouse², B.

Bonfond⁵, J. R. Szalay⁶, A. Moirano^{7,8}, R. S. Giles², J. A. Kammer², M.

Imai⁹, A. Mura⁷, M. H. Versteeg², G. Clark¹⁰, J.-C. Gérard⁵, D. C.

Grodent⁵, J. Rabia¹¹, A. H. Sulaiman¹², S. J. Bolton², J.E.P. Connerney^{13,14}

¹Aix-Marseille Université, CNRS, CNES, Institut Origines, LAM, Marseille, France

²Southwest Research Institute, San Antonio, Texas, USA

³University of Texas at San Antonio, San Antonio, Texas, USA

⁴School of Cosmic Physics, DIAS Dunsink Observatory, Dublin Institute for Advanced Studies, Dublin, Ireland

⁵STAR Institute, LPAP, Université de Liège, Liège, Belgium

⁶Department of Astrophysical Sciences, Princeton University, Princeton, NJ, USA

⁷Institute for Space Astrophysics and Planetology, National Institute for Astrophysics, Rome, Italy

⁸Sapienza University of Rome, Rome, Italy

⁹Department of Electrical Engineering and Information Science, National Institute of Technology (KOSEN), Niihama College,

Niihama, Japan

¹⁰Johns Hopkins University Applied Physics Laboratory, Laurel, MD, USA

¹¹Institut de Recherche en Astrophysique et Planétologie, CNRS-UPS-CNES, Toulouse, France

¹²Minnesota Institute for Astrophysics, School of Physics and Astronomy, University of Minnesota, Minneapolis, MN, United States

¹³NASA Goddard Spaceflight Center, Greenbelt, MD 20771, USA

¹⁴Space Research Corporation, Annapolis, MD 21403, USA

Contents of this file

Introduction

The supporting information provided here concerns the measured Main Alfvén Wing (MAW) positions for Io, Europa and Ganymede. These data are listed as supporting data table, containing the following information:

1. PJ number
2. UTC time
3. Moon SIII W-longitude
4. MAW spot latitude
5. MAW spot SIII W-longitude
6. MAW spot latitude error
7. MAW spot SIII W-longitude error
8. Emission angle

Datasets **S1** and **S2** contain the positions of the northern and southern Io footprint, respectively. Datasets **S3** and **S4** contain the positions of the northern and southern Europa footprints, respectively. Datasets **S5** and **S6** contain the positions of the northern and southern Ganymede footprints, respectively.

*vincent.hue@lam.fr