

# Supporting Information for "On the role of ULF waves in the spacial and temporal periodicity of energetic electron precipitation"

Xiaofei Shi<sup>1</sup>, Xiao-Jia Zhang<sup>1</sup>, Anton Artemyev<sup>1,2</sup>, Vassilis Angelopoulos<sup>1</sup>,

Michael D. Hartinger<sup>1,3</sup>, Ethan Tsai<sup>1</sup>, Colin Wilkins<sup>1</sup>

<sup>1</sup>Department of Earth, Planetary, and Space Sciences, University of California, Los Angeles, Los Angeles, CA, 90095, USA

<sup>2</sup>Space Research Institute of the Russian Academy of Sciences, Moscow, 117997, Russia

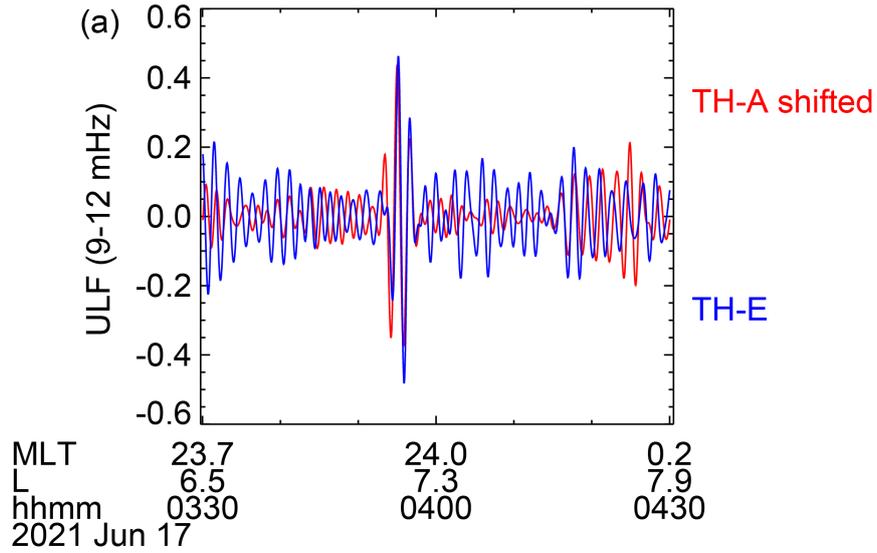
<sup>3</sup>Space Science Institute, Boulder, Colorado, USA

## Contents of this file

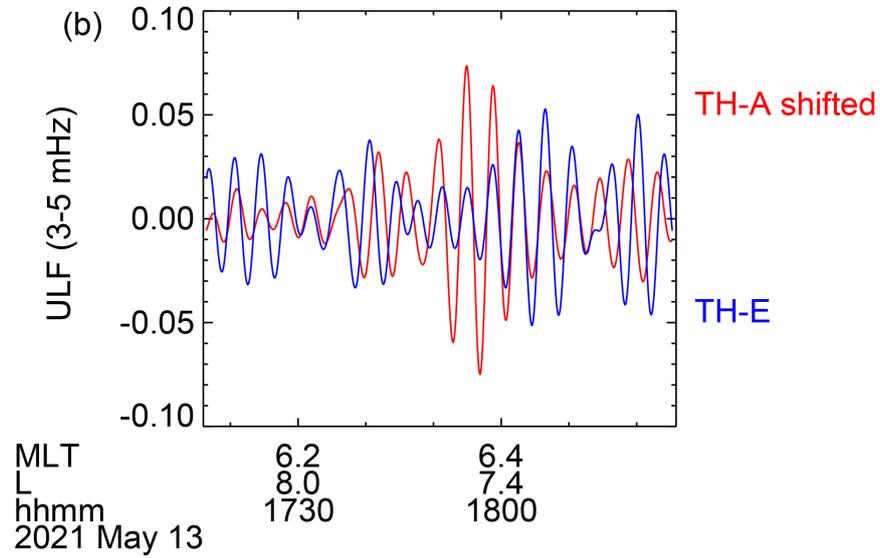
1. Figures S1

---

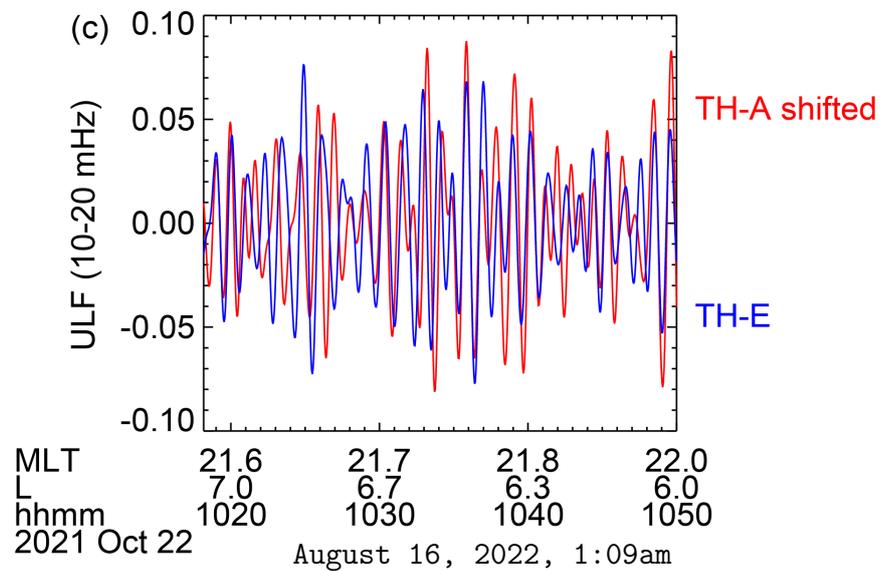
Event 1



Event 2



Event 3



**Figure S1.** Comparisons of ULF waves magnitude  $\delta B_{\parallel}$  measure by THEMIS-A and THEMIS-E. Blue lines show the ULF waves measured by THEMIS-E. Red lines show the THEMIS-A observations after shifted by the lag time with maximum correlation.