



Radio Science

Supporting Information for

Multi-frequency SuperDARN interferometer calibration

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Contents of this file

Figures S1 to S2

Introduction

This supporting information provides a matching set of figures for the TIGER Bruny (TIG) radar sounding mode results for ionospheric scatter (Figures S1-S2).

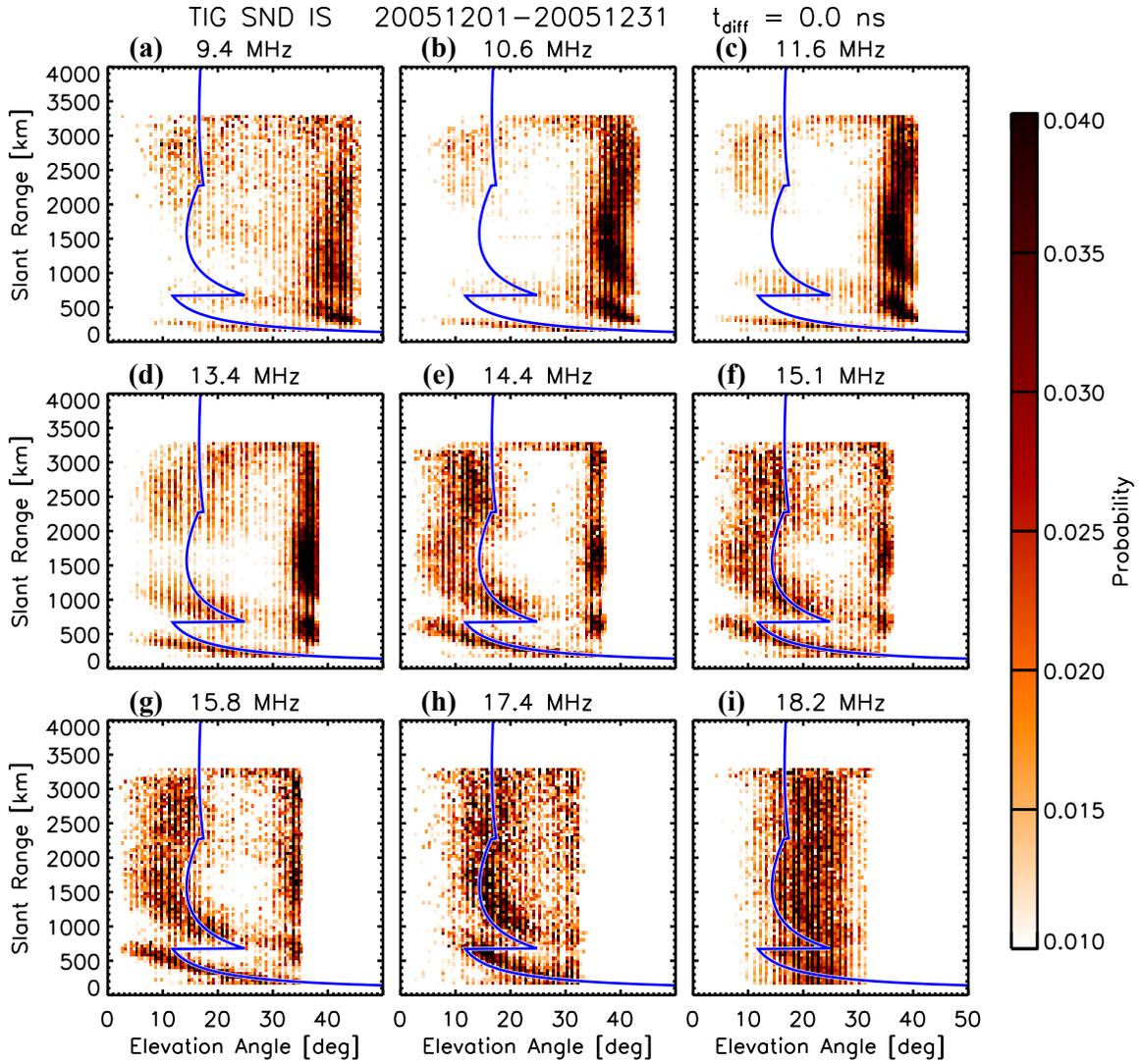


Figure S1. Joint probability distributions of elevation angle and slant range for ionospheric scatter observed by the TIGER Bruny (TIG) radar during the entire month of Dec 2005 at 9 sounding mode frequencies, using the current hardware t_{diff} value of 0 ns. The Christmas Valley ionospheric scatter virtual height model is overlaid on each panel in blue (Thomas & Shepherd, 2022). Note the vertical striping is due to the integer precision of the original sounding mode data format (Hughes et al., 2002).

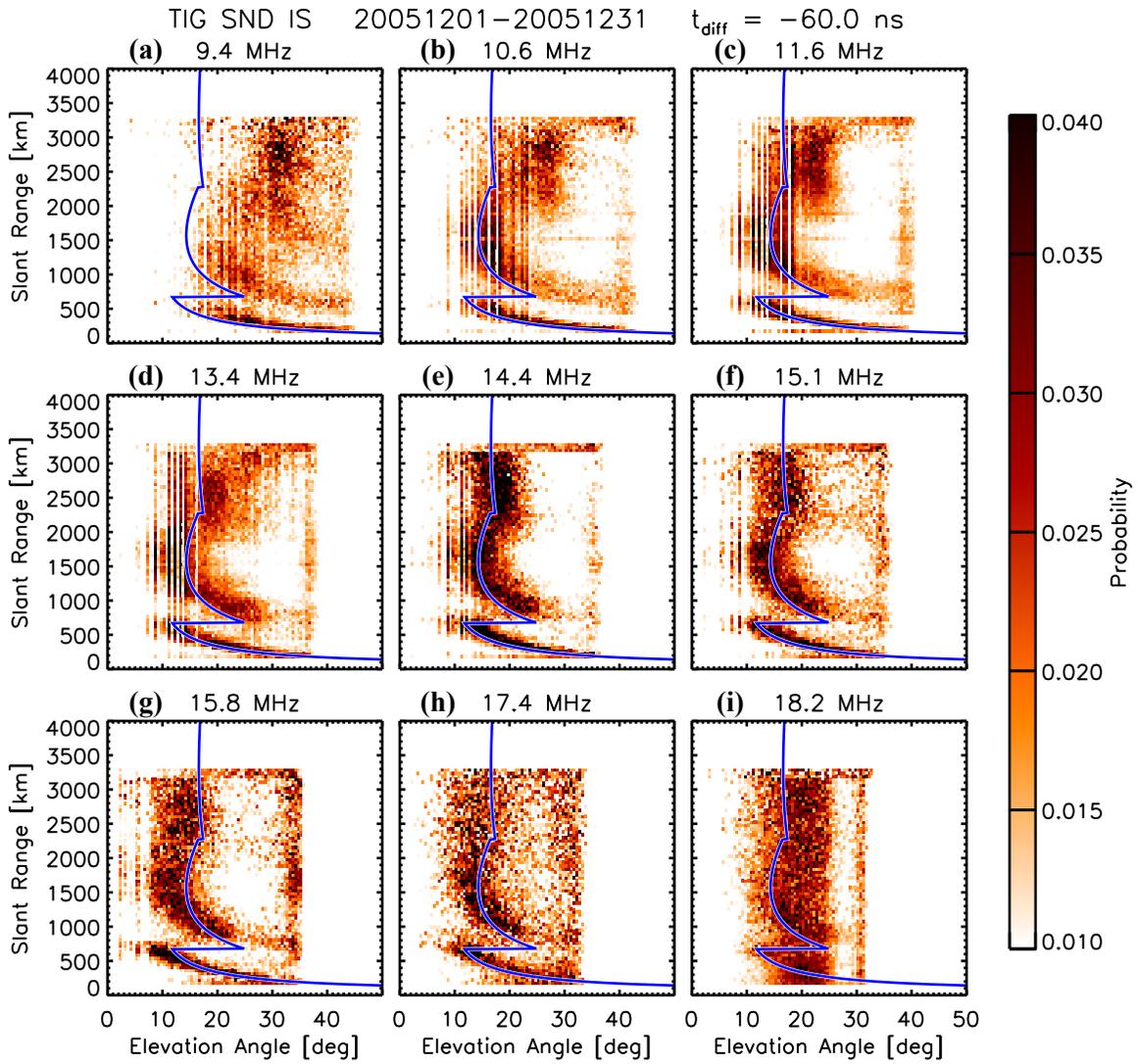


Figure S2. Joint probability distributions of elevation angle and slant range for ionospheric scatter observed by the TIG radar during the entire month of Dec 2005 in the same format as Figure S1, using a revised t_{diff} value of -60 ns.