

MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions

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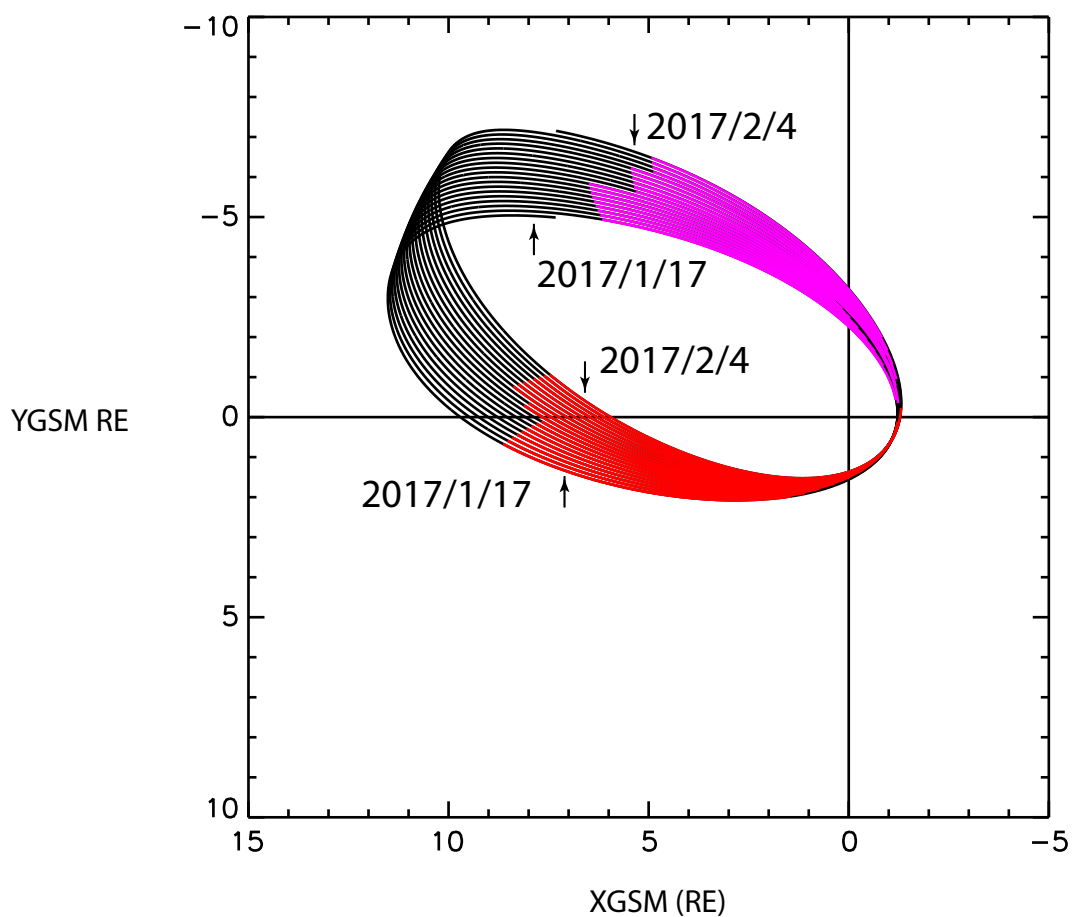
⁷ Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, Colorado

Contents of this file

Figure S2

Introduction

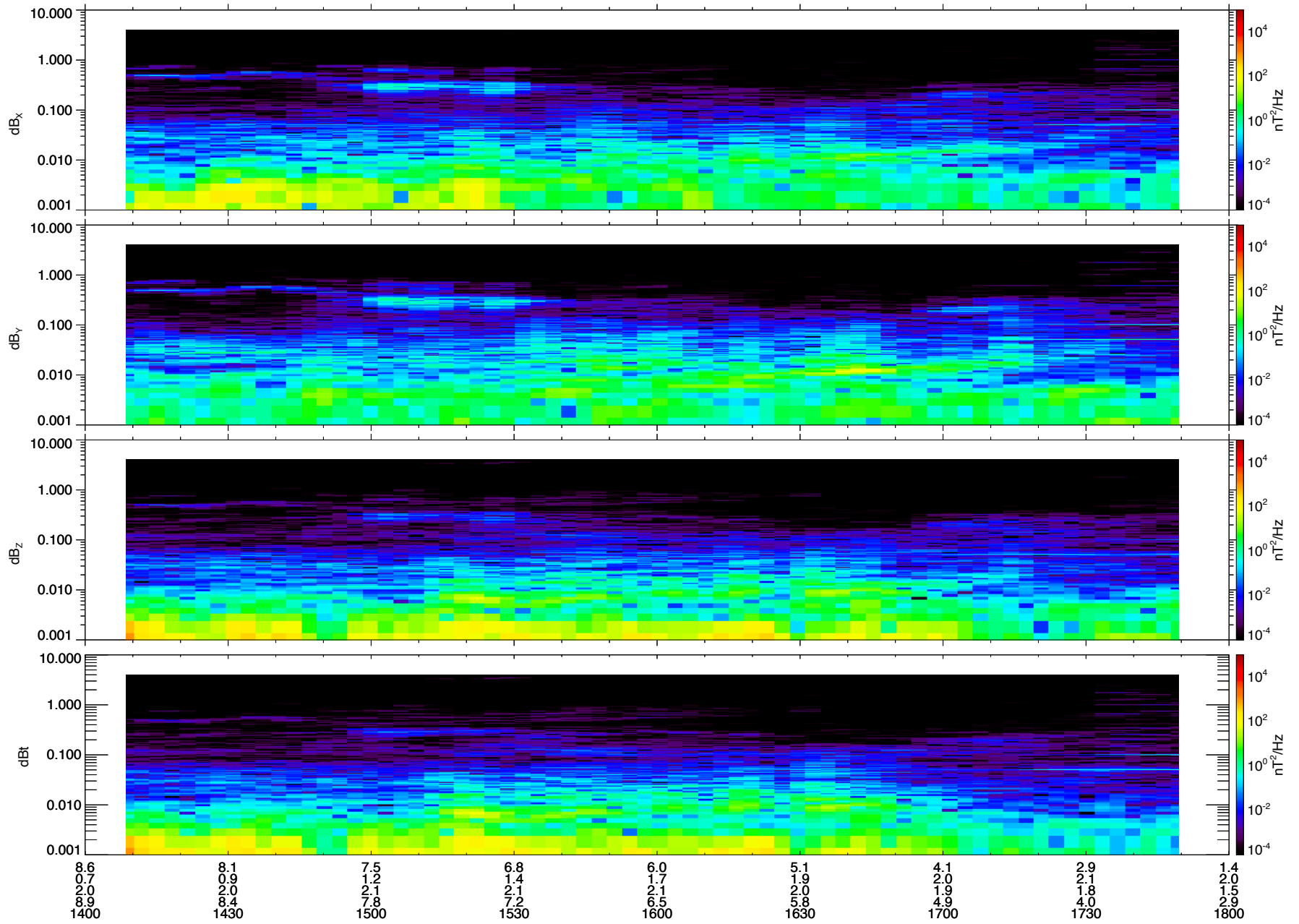
Figure S2 provides supporting information to Figures 6. The first page shows the MMS-1 spacecraft orbits in the GSM XY plane for the time period from 0000 UT 17 January 2017 to 2400 UT 4 February 2017. The spacecraft orbit period was approximately 1 day in this mission phase. The rest of the pages show the dynamic power spectra of the magnetic field components (b_x , b_y , b_z) and the field strength (b_t) for inbound and outbound passes. The colored orbit segments in the orbit plot correspond to the inbound (red) and outbound (magenta) time intervals displayed in these pages. The horizontal labels are the spacecraft position (XGSM, YGSM, ZGSM) in RE, the radial distance in RE, Universal Time (UT), respectively.



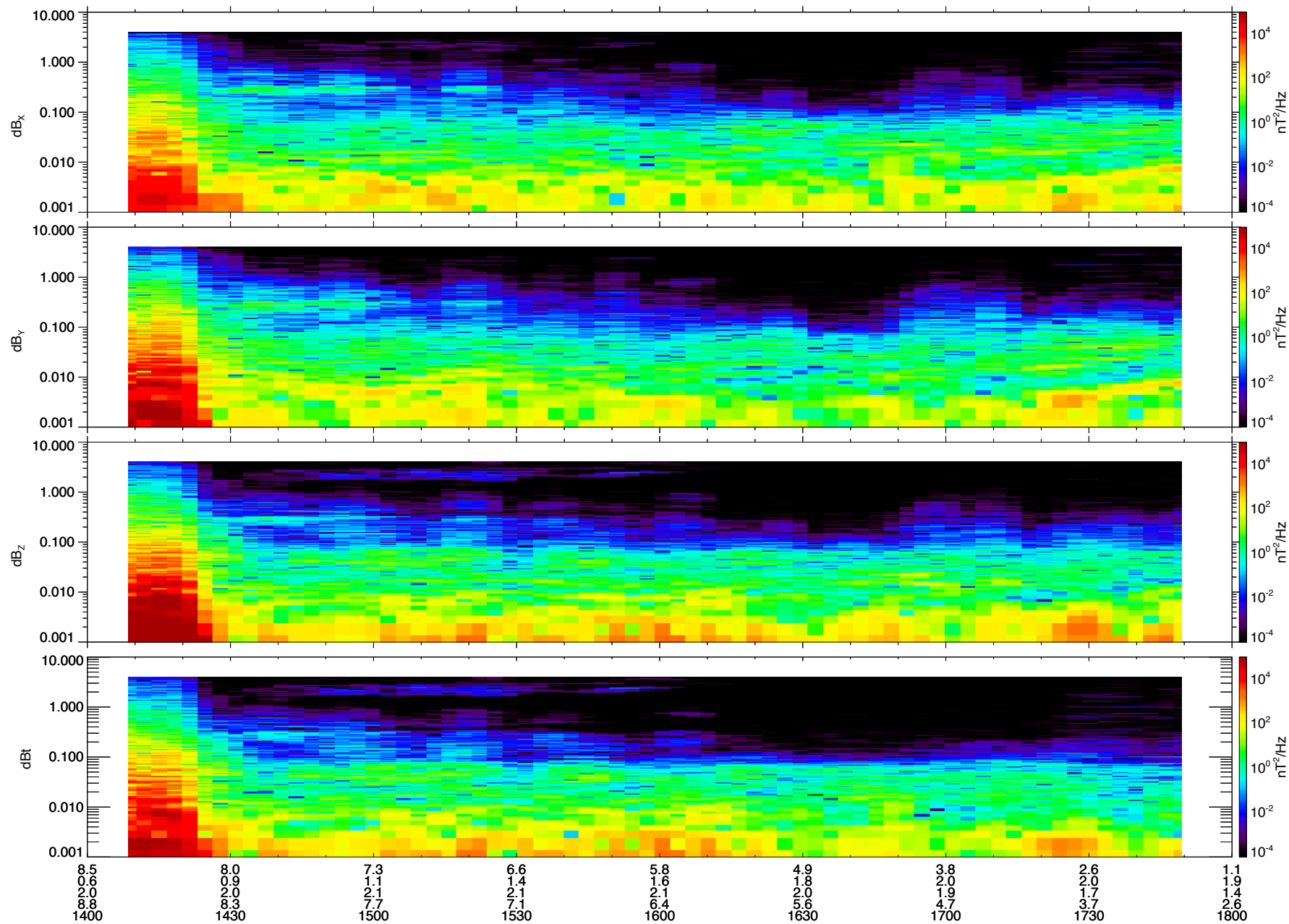
— Outbound
 1900-2300 UT 1/17-1/25
 1800-2200 UT 1/26-1/31
 1730-2130 UT 2/1-2/4

— Inbound
 1400-1800 UT 1/17-1/25
 1330-1730 UT 1/26 & 1/27
 1300-17:00 UT 1/28-2/4

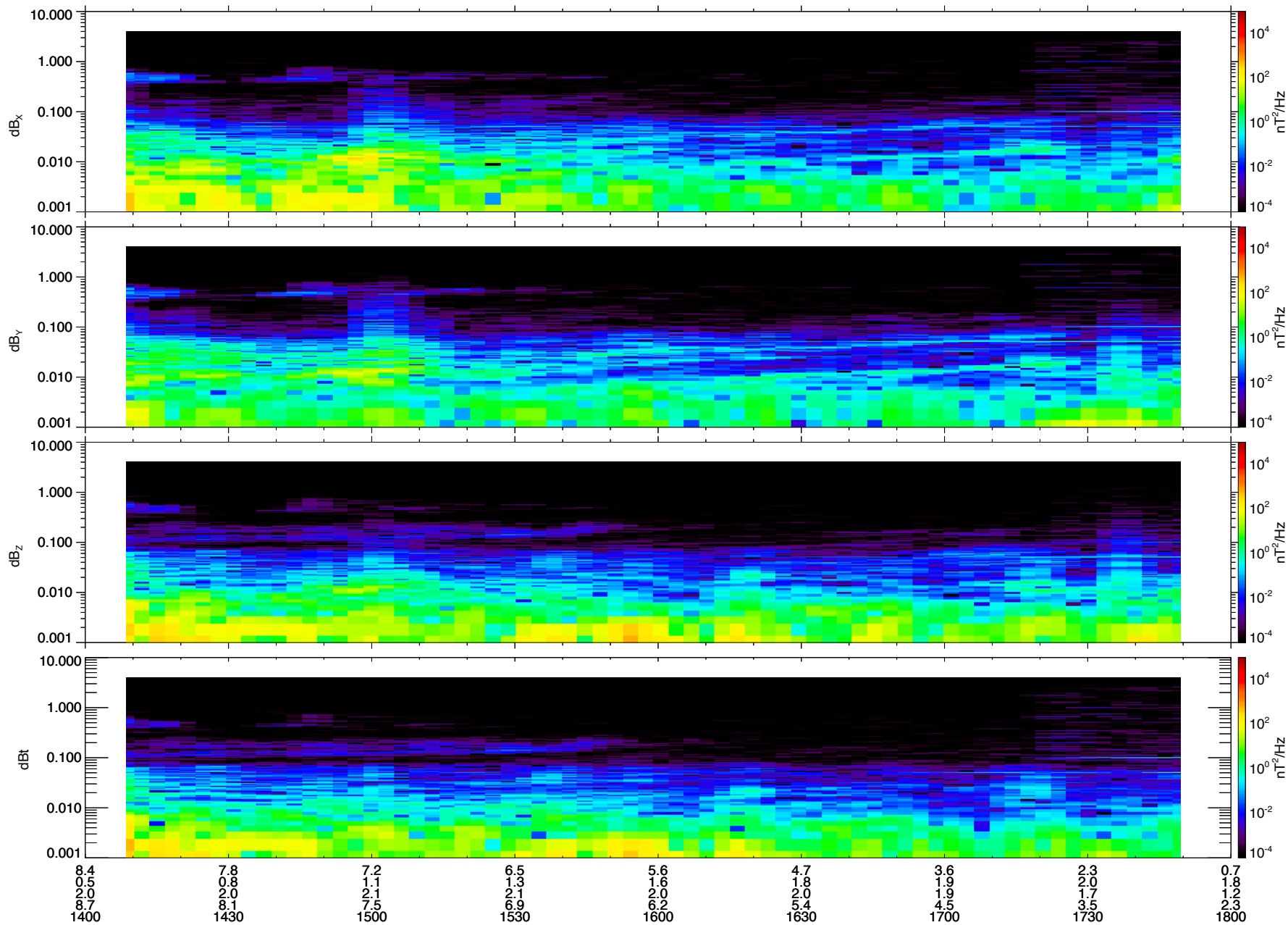
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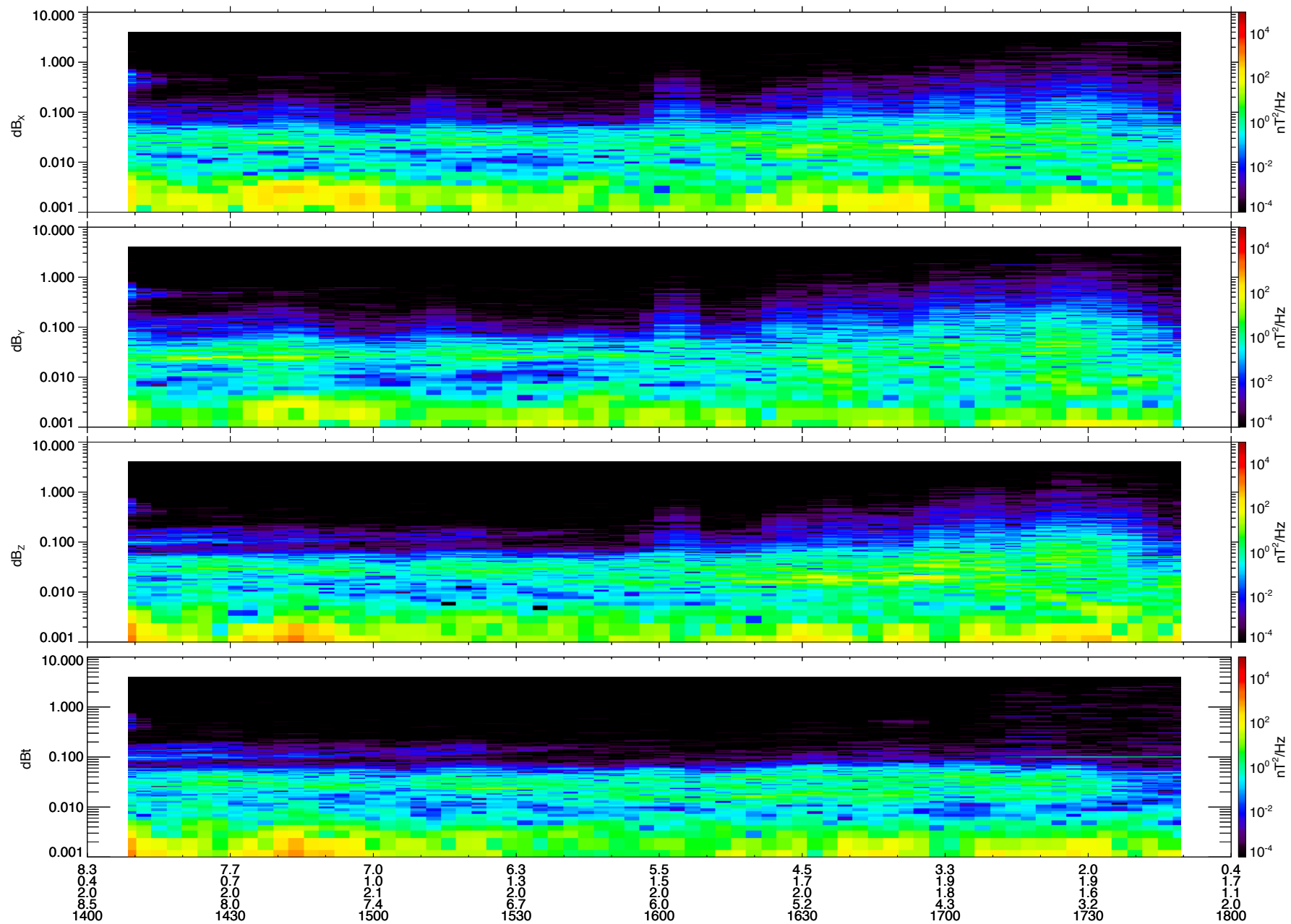
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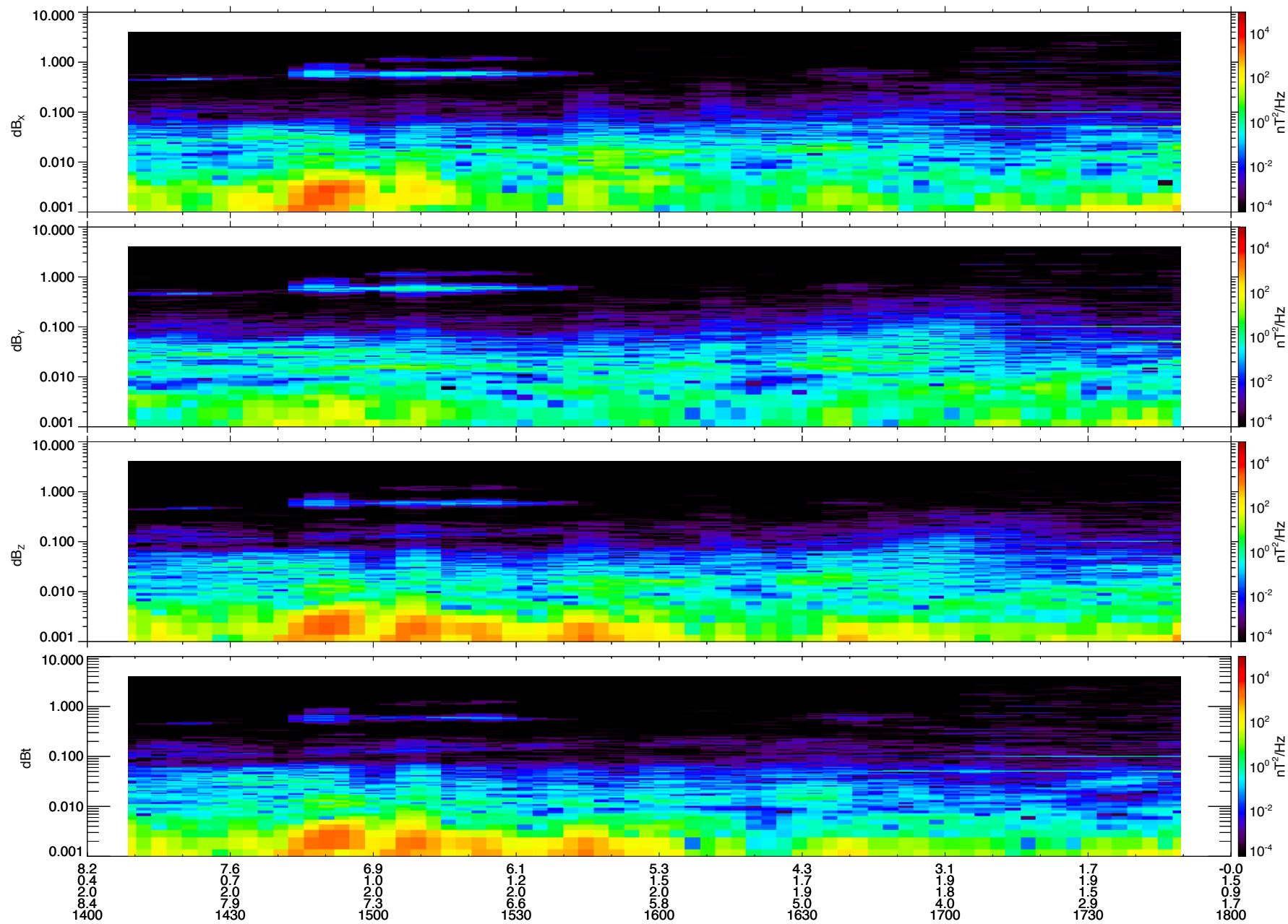
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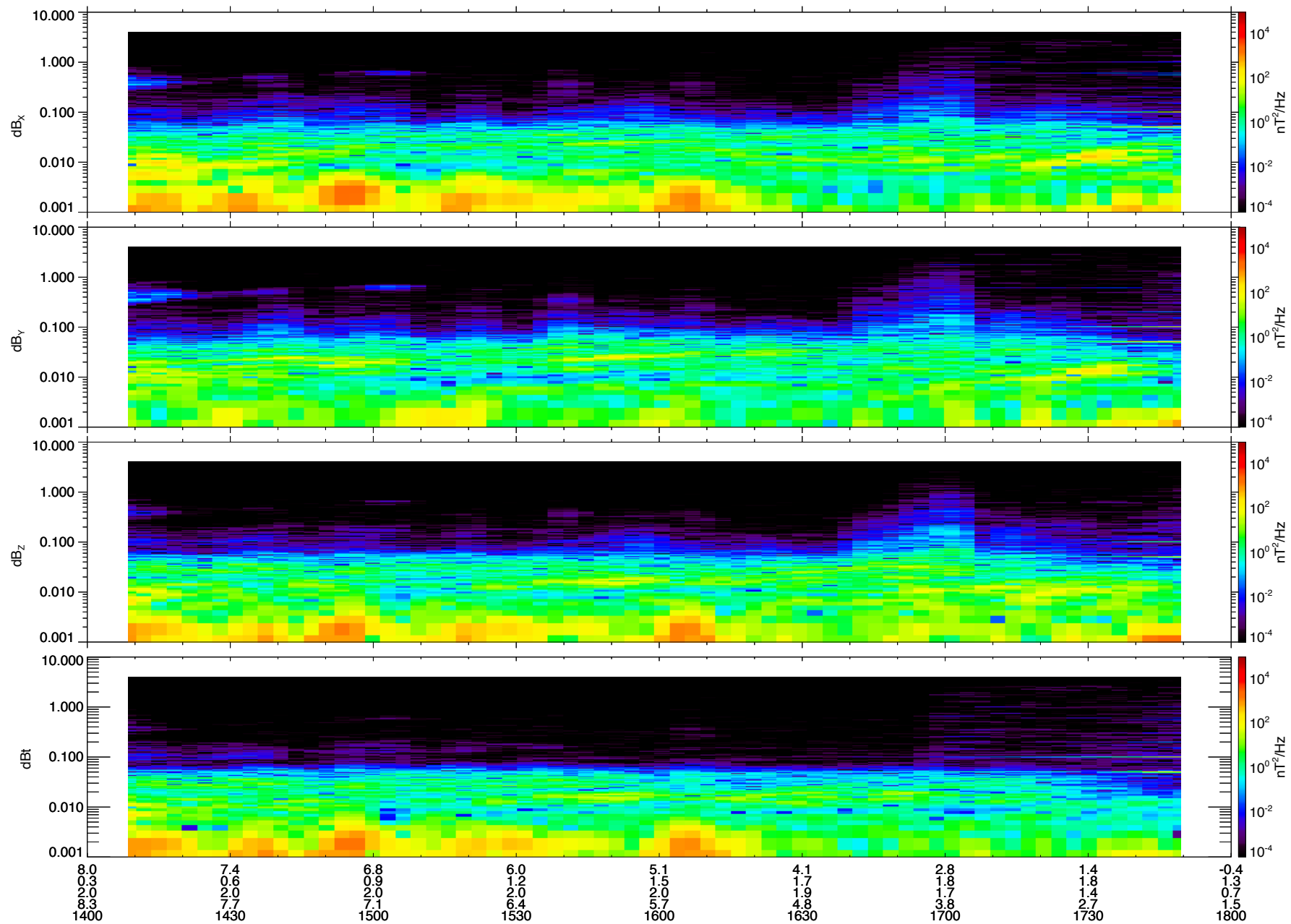
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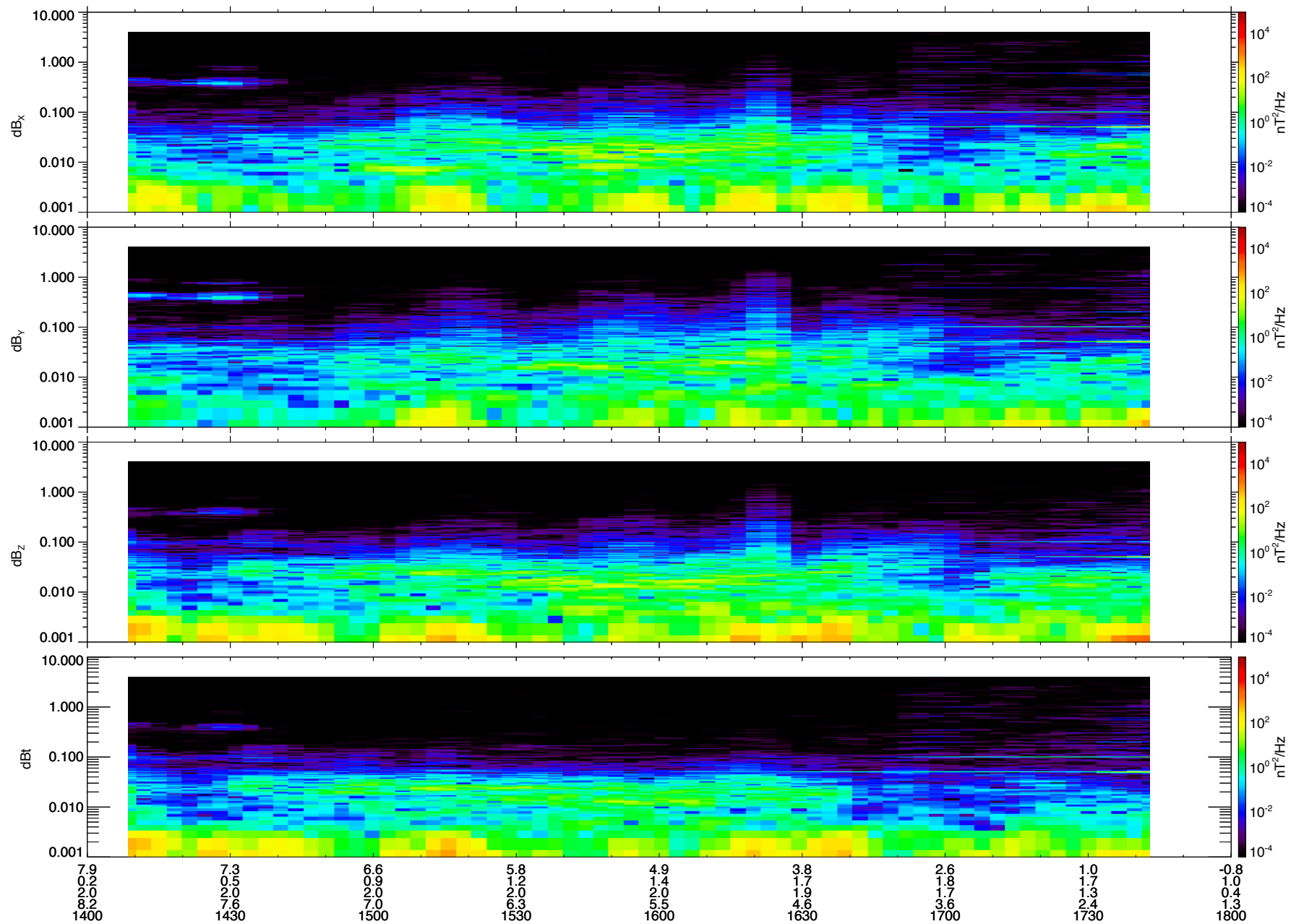
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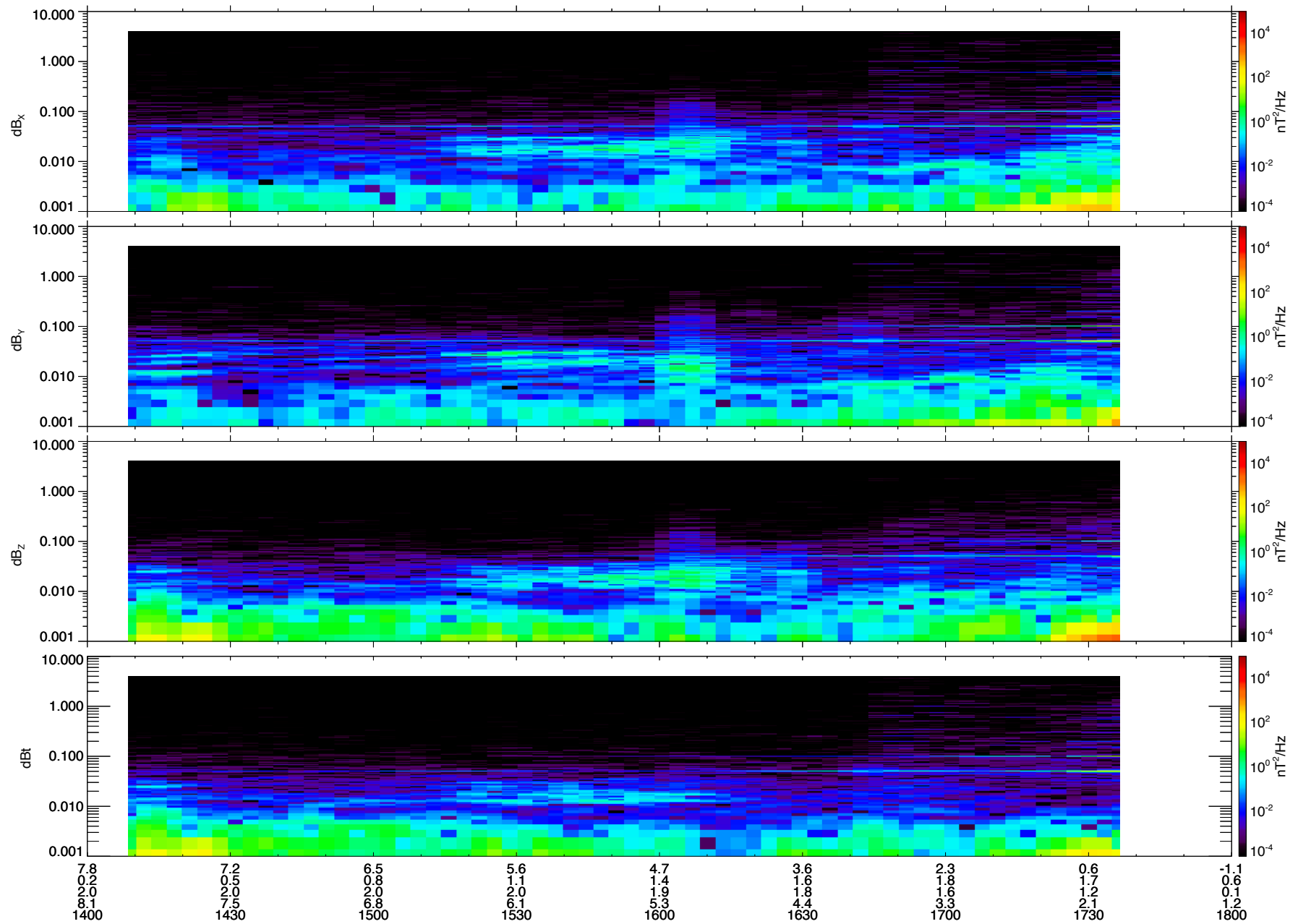
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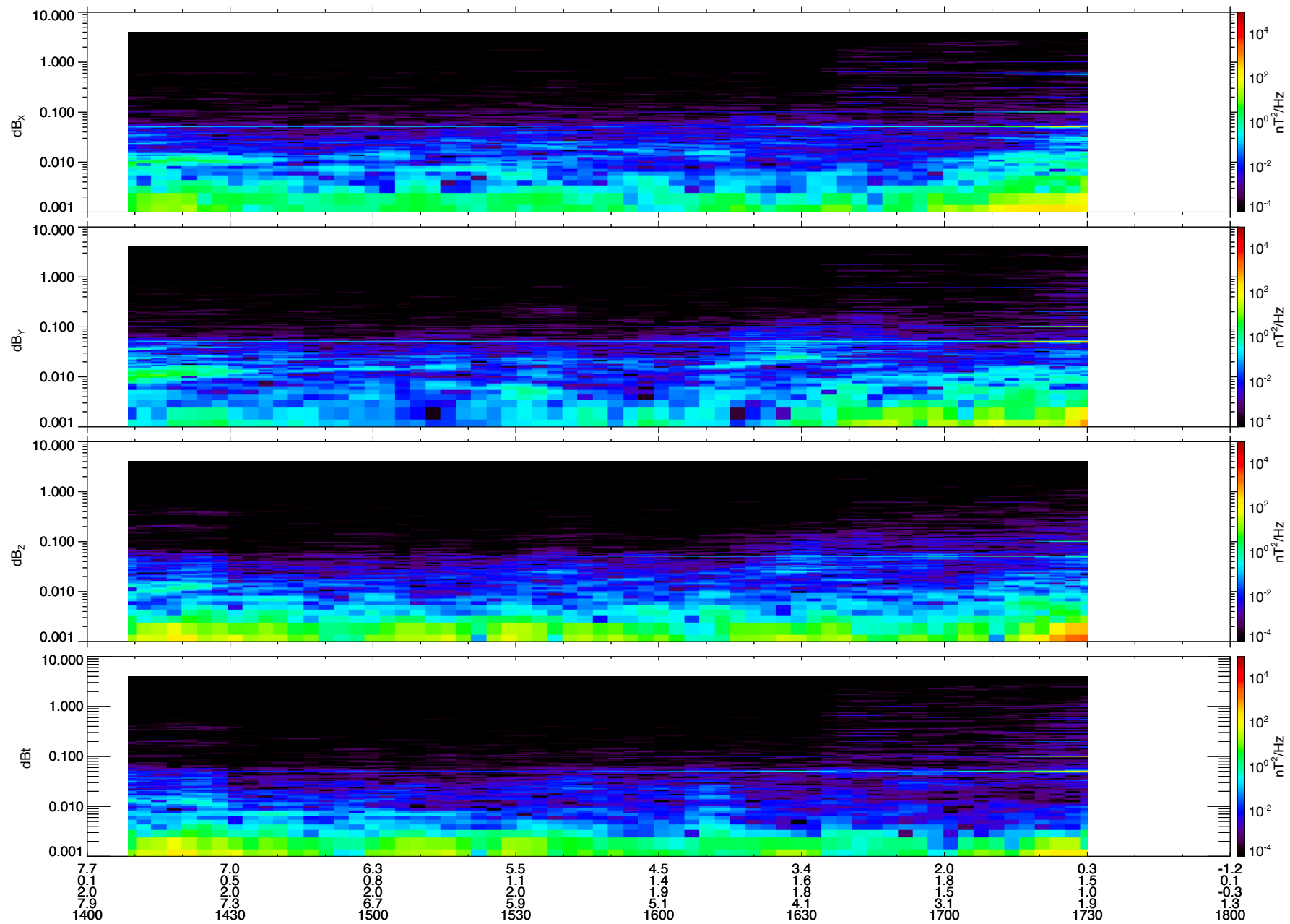
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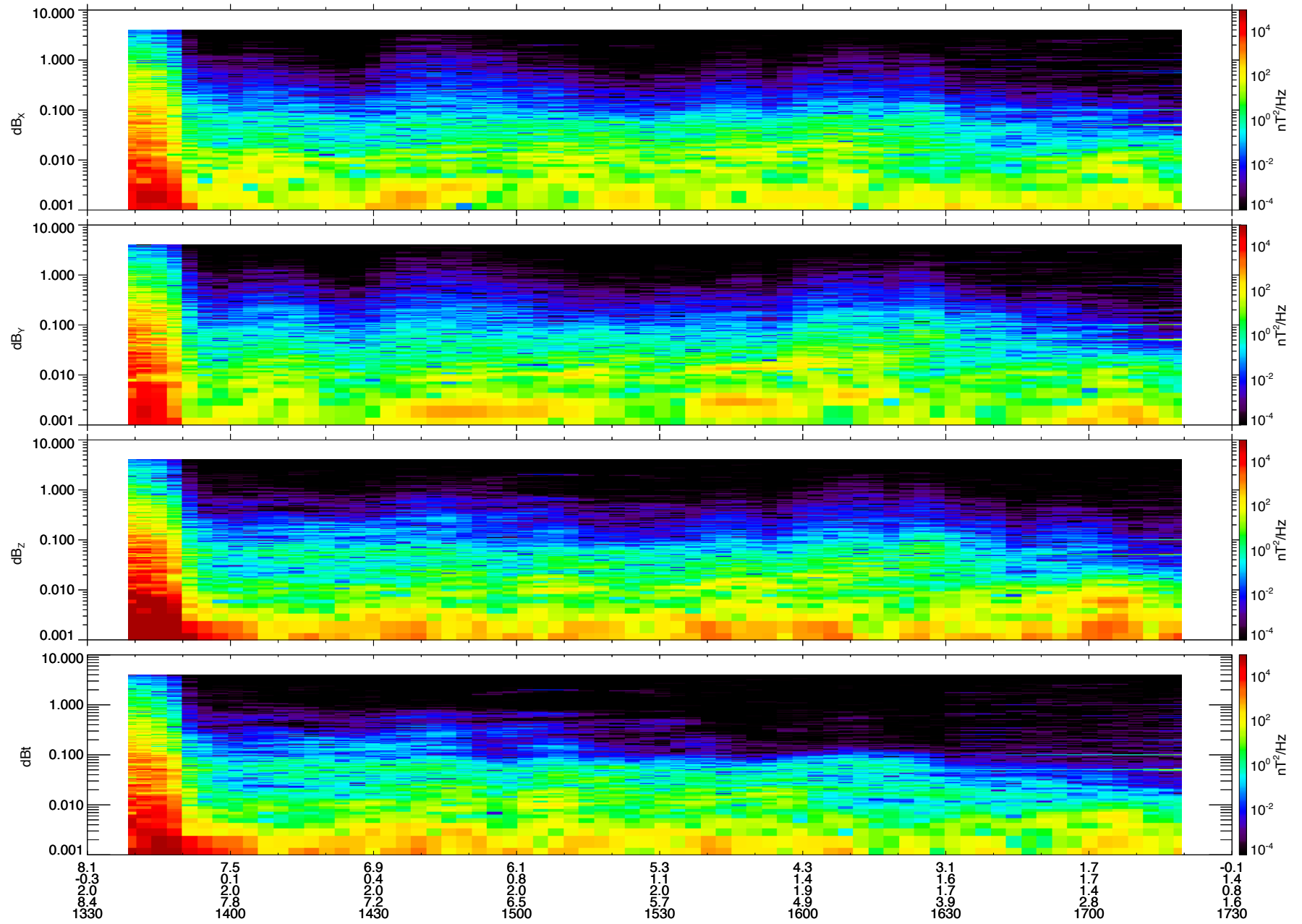
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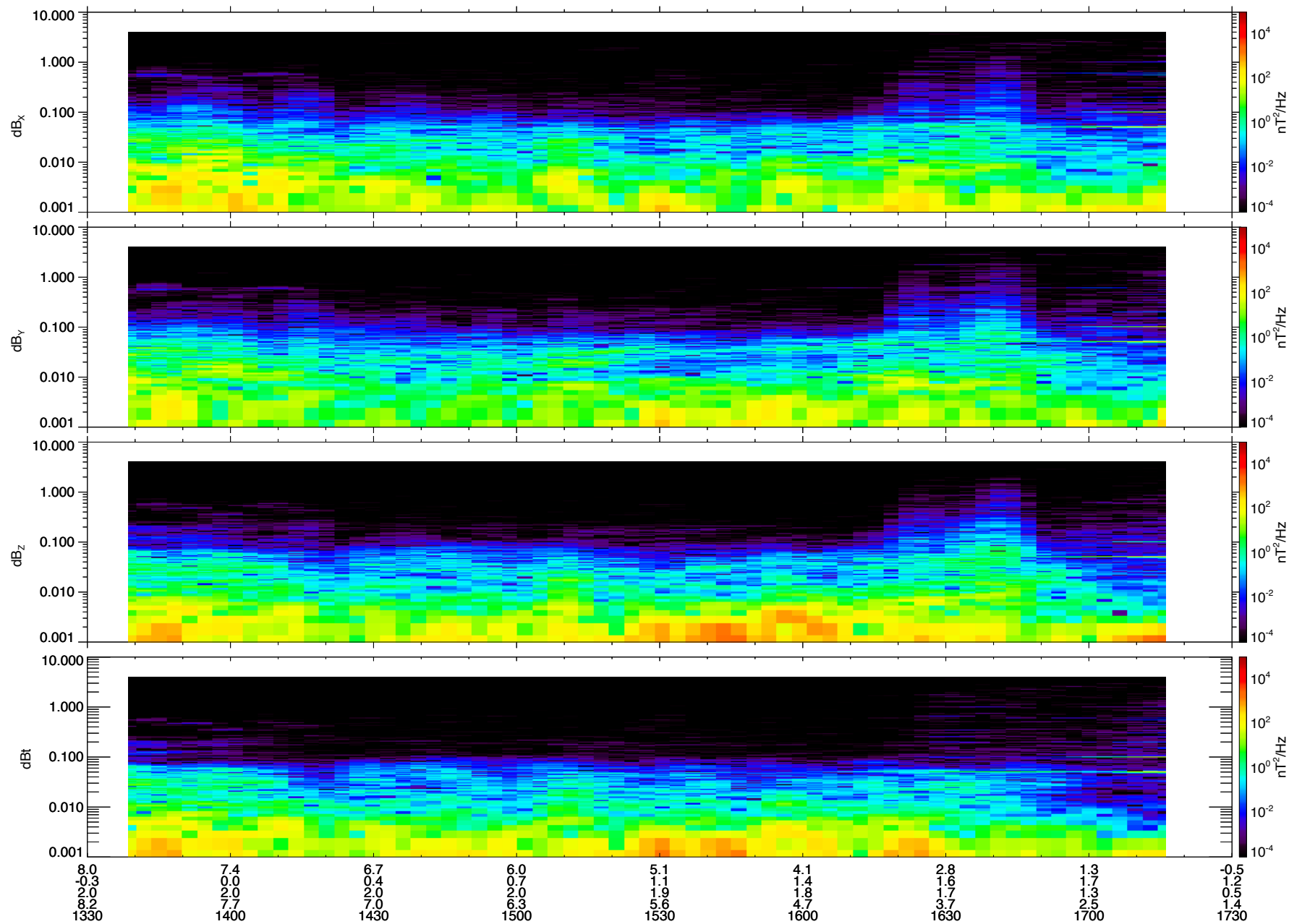
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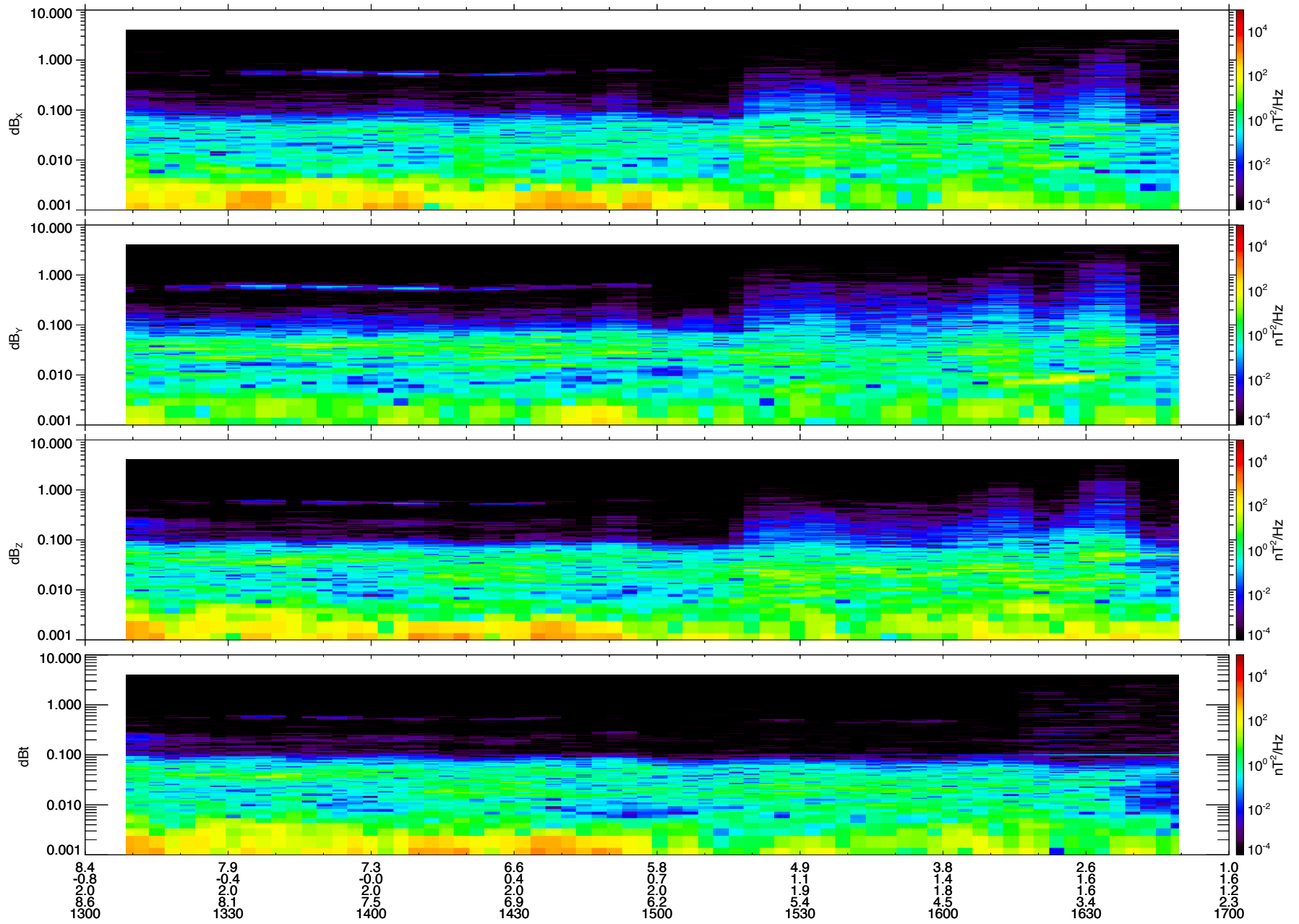
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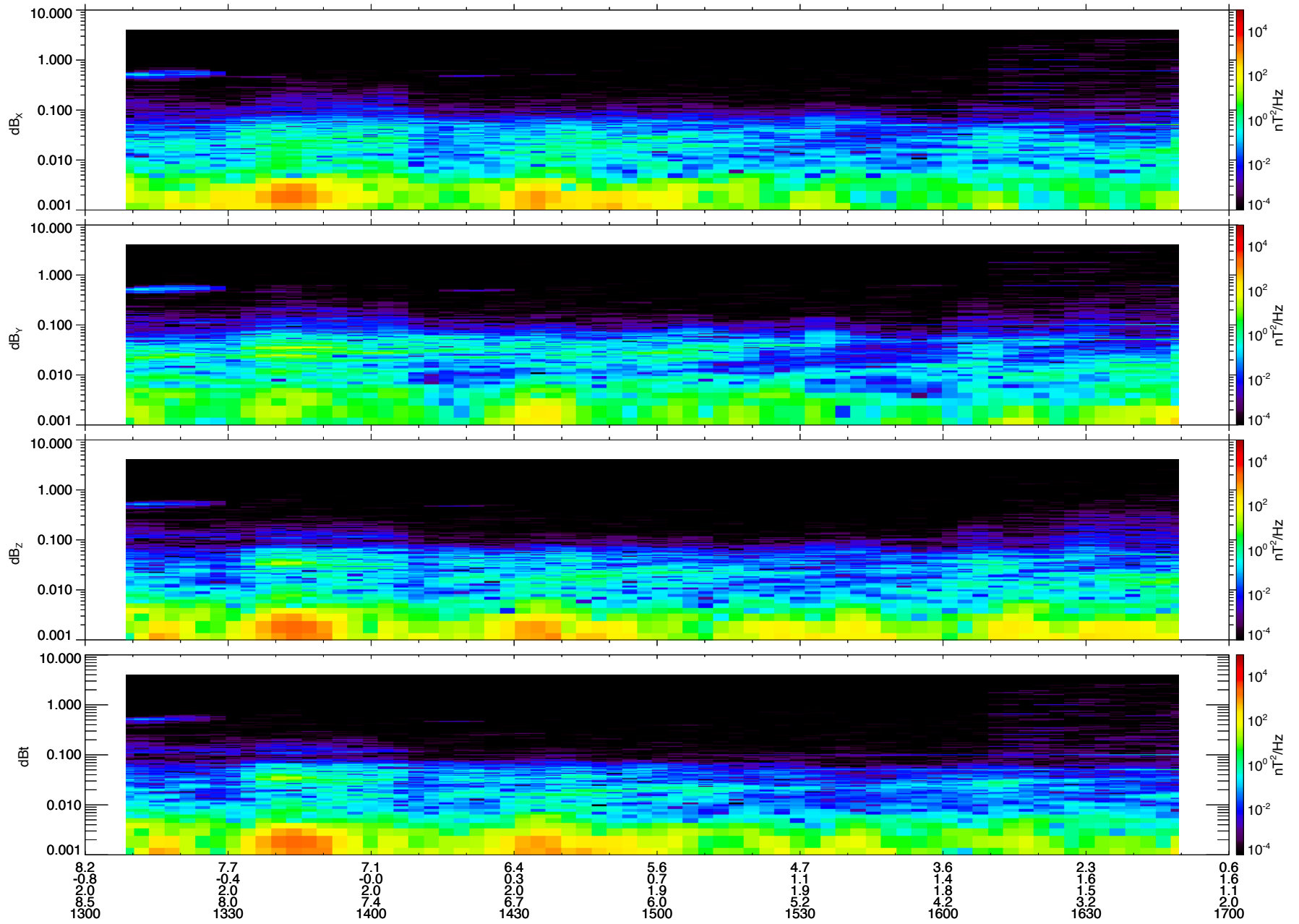
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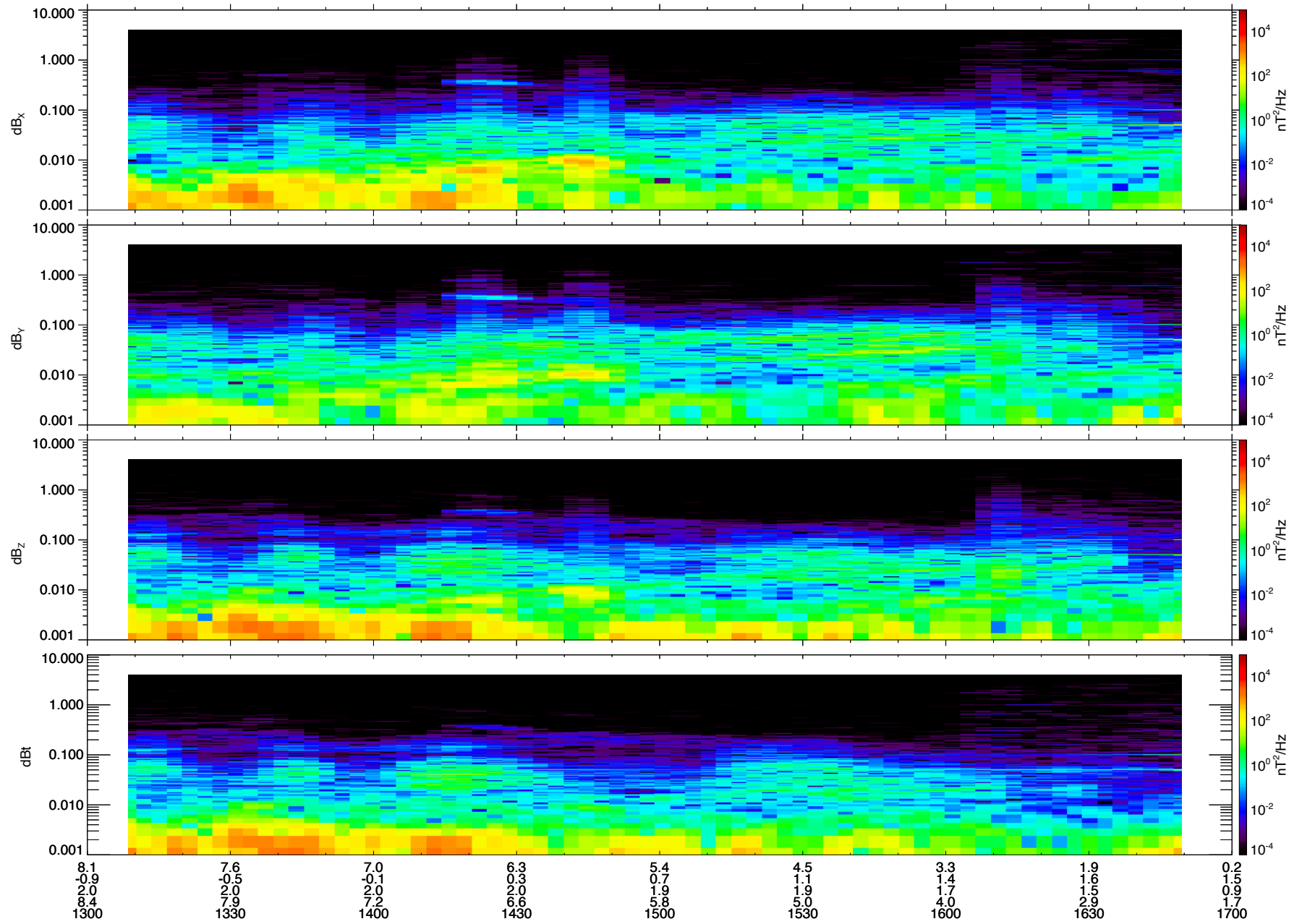
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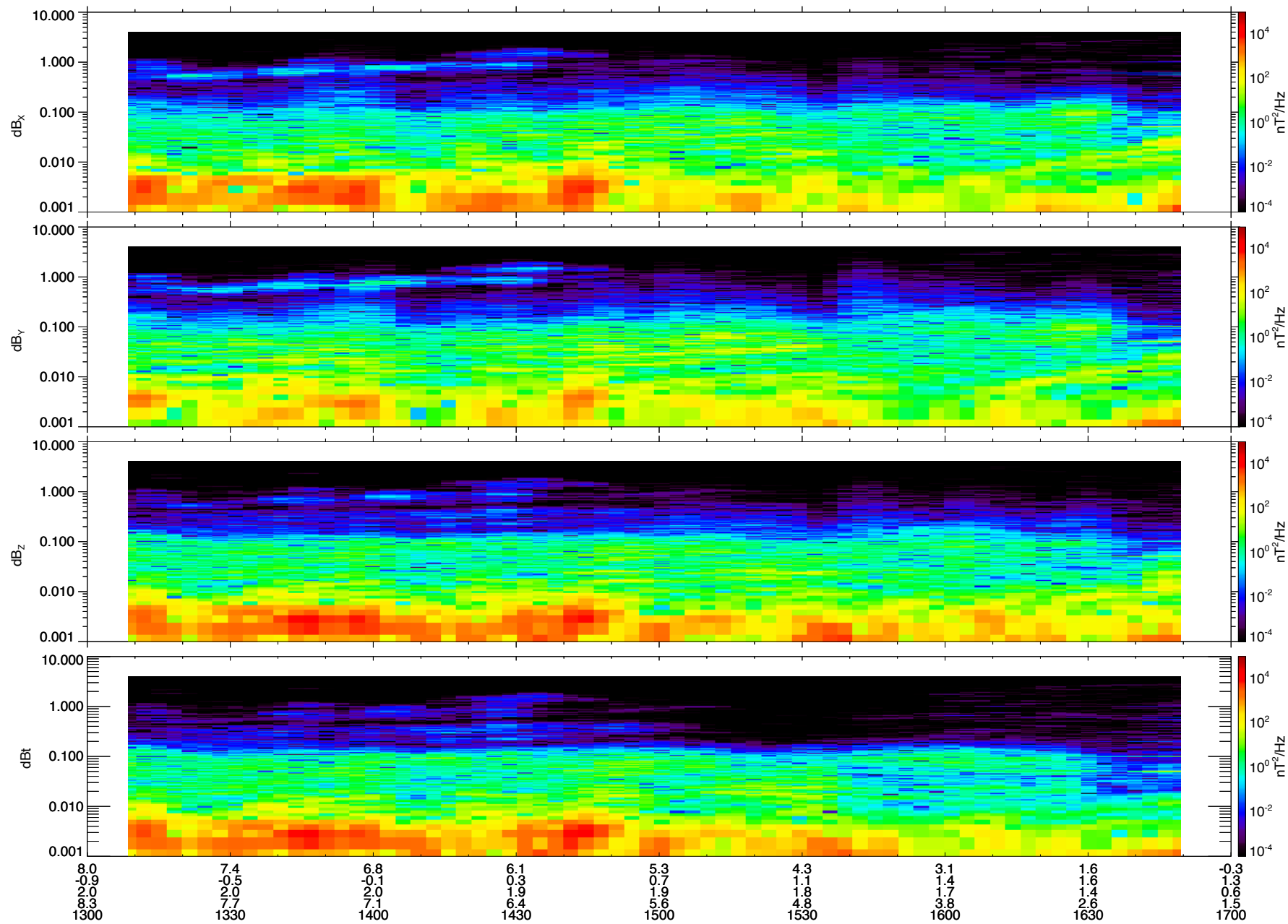
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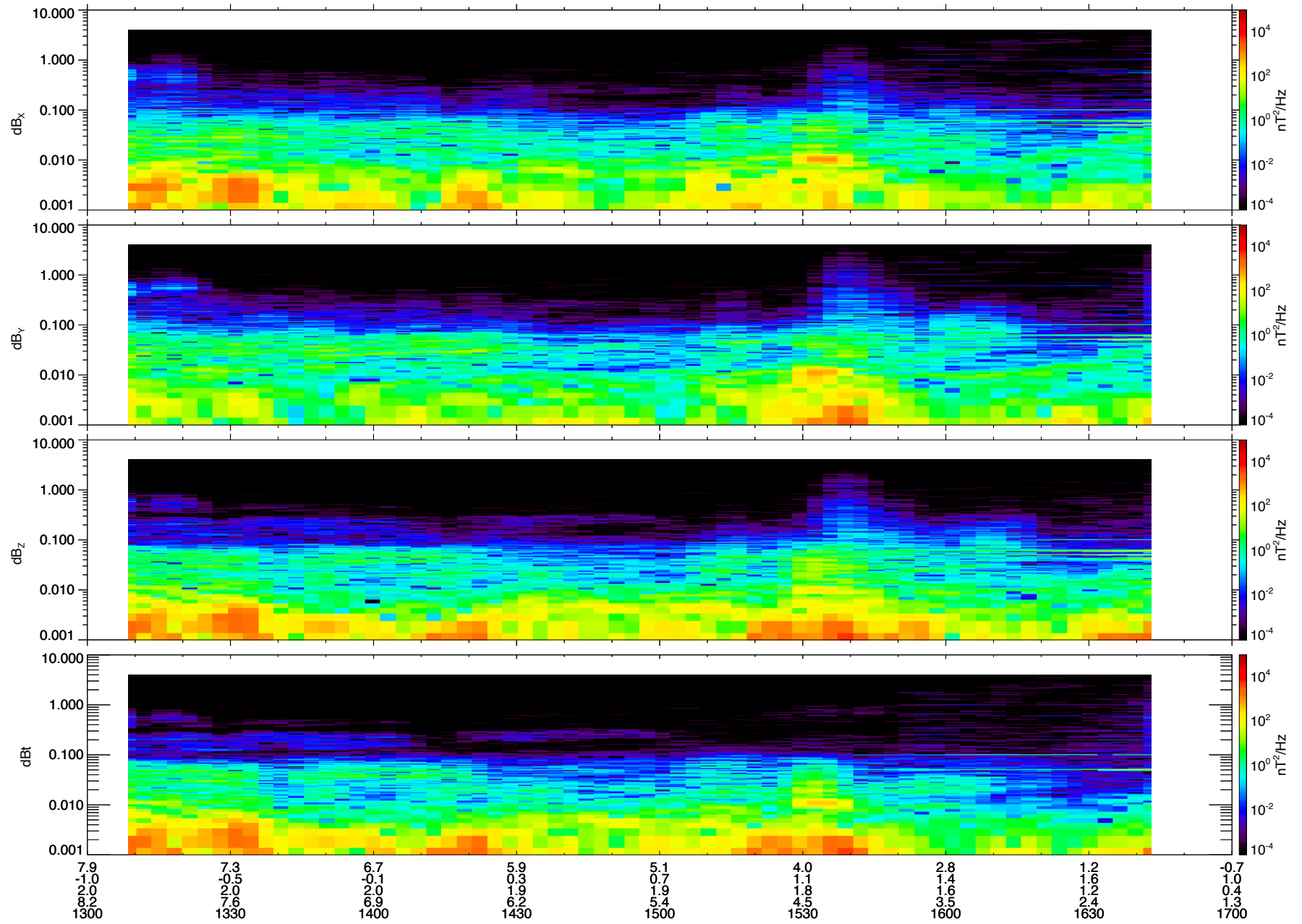
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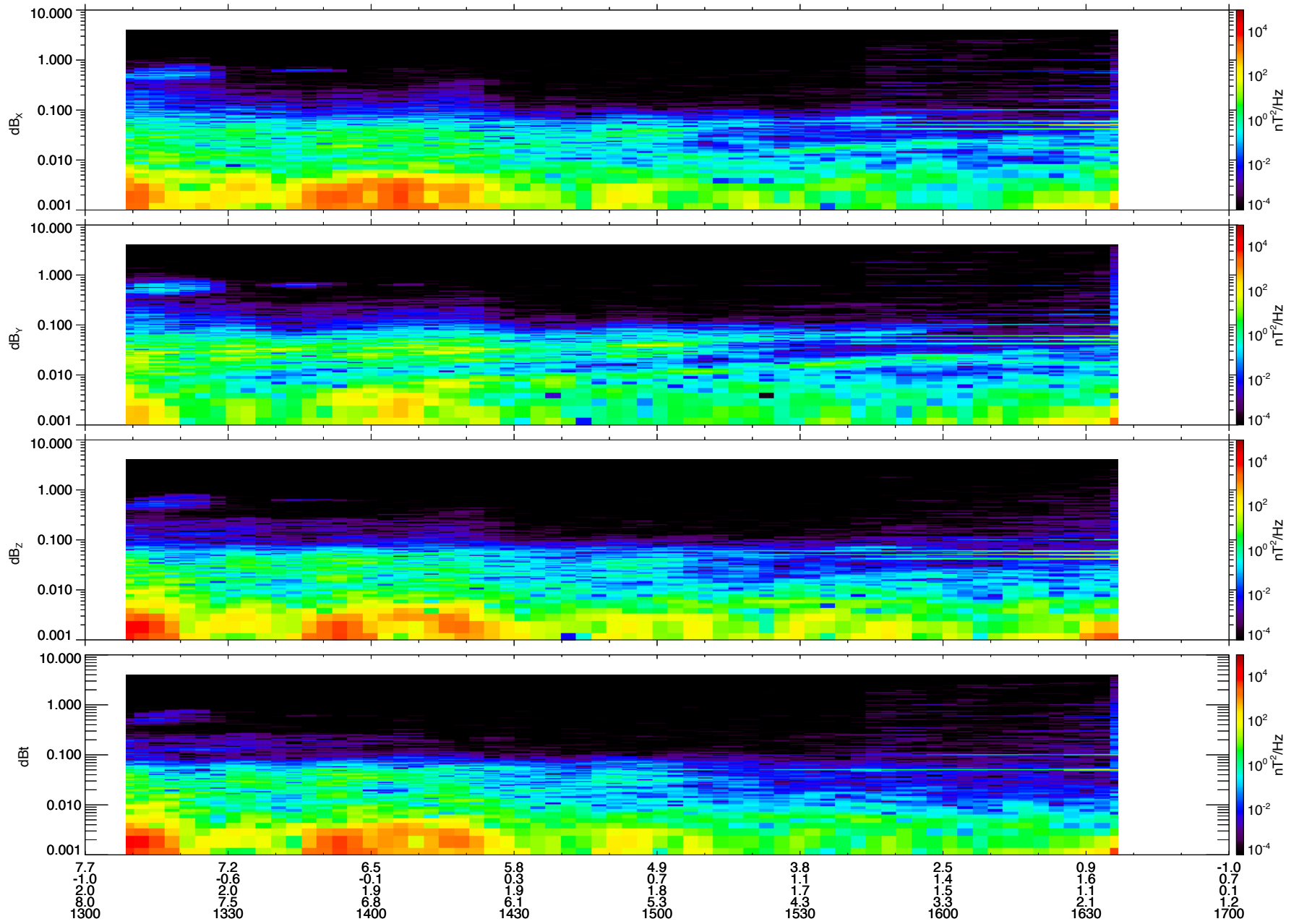
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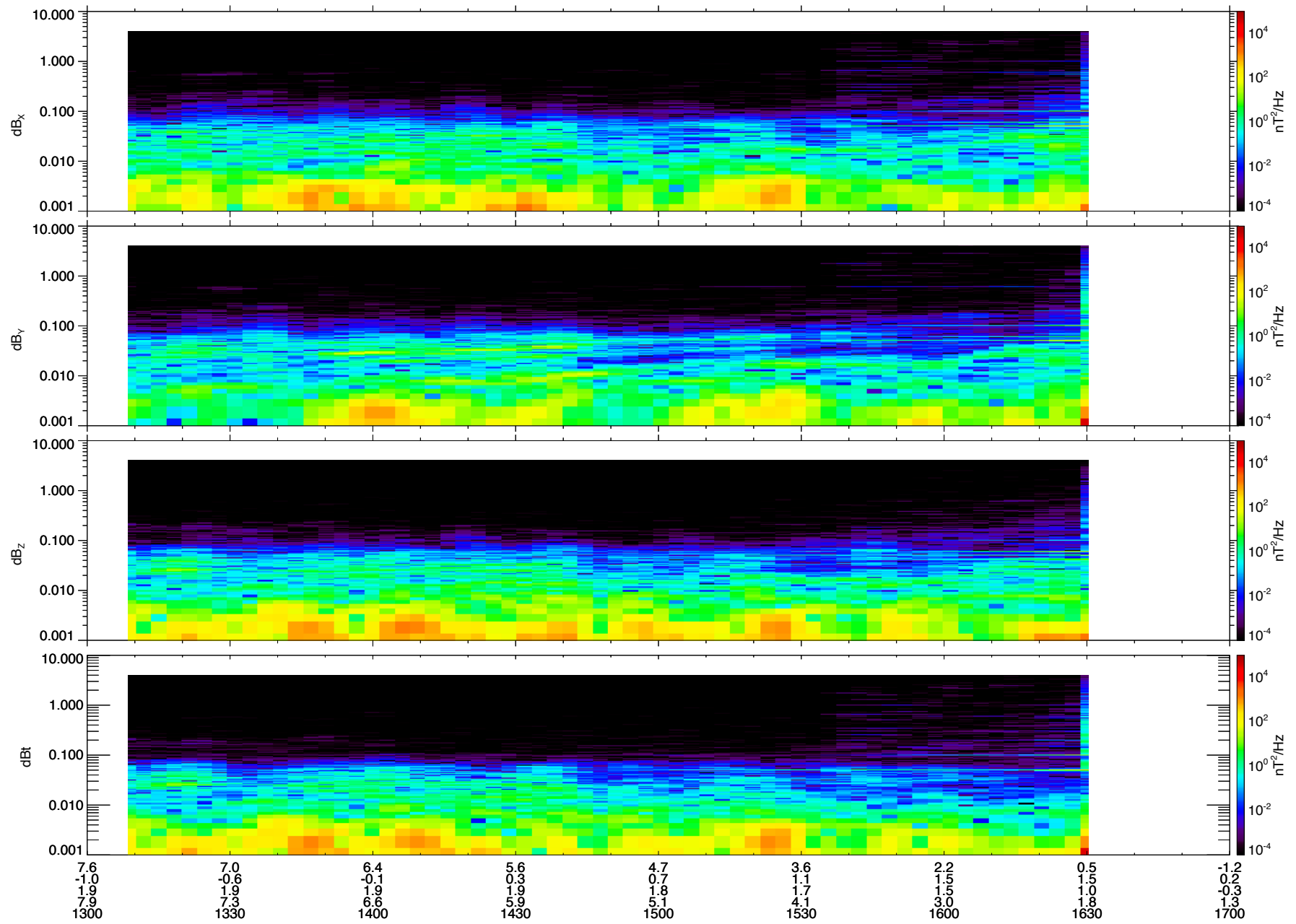
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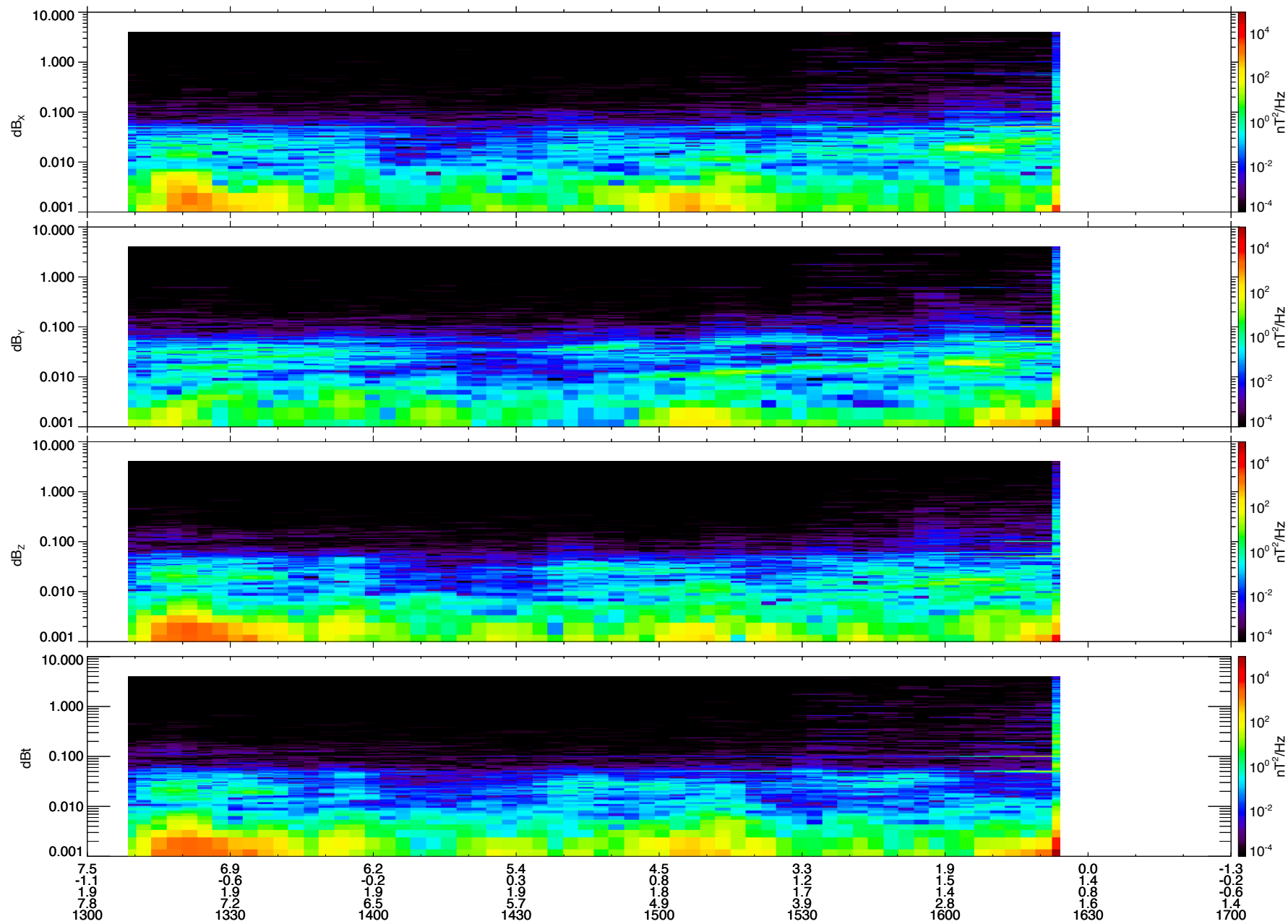
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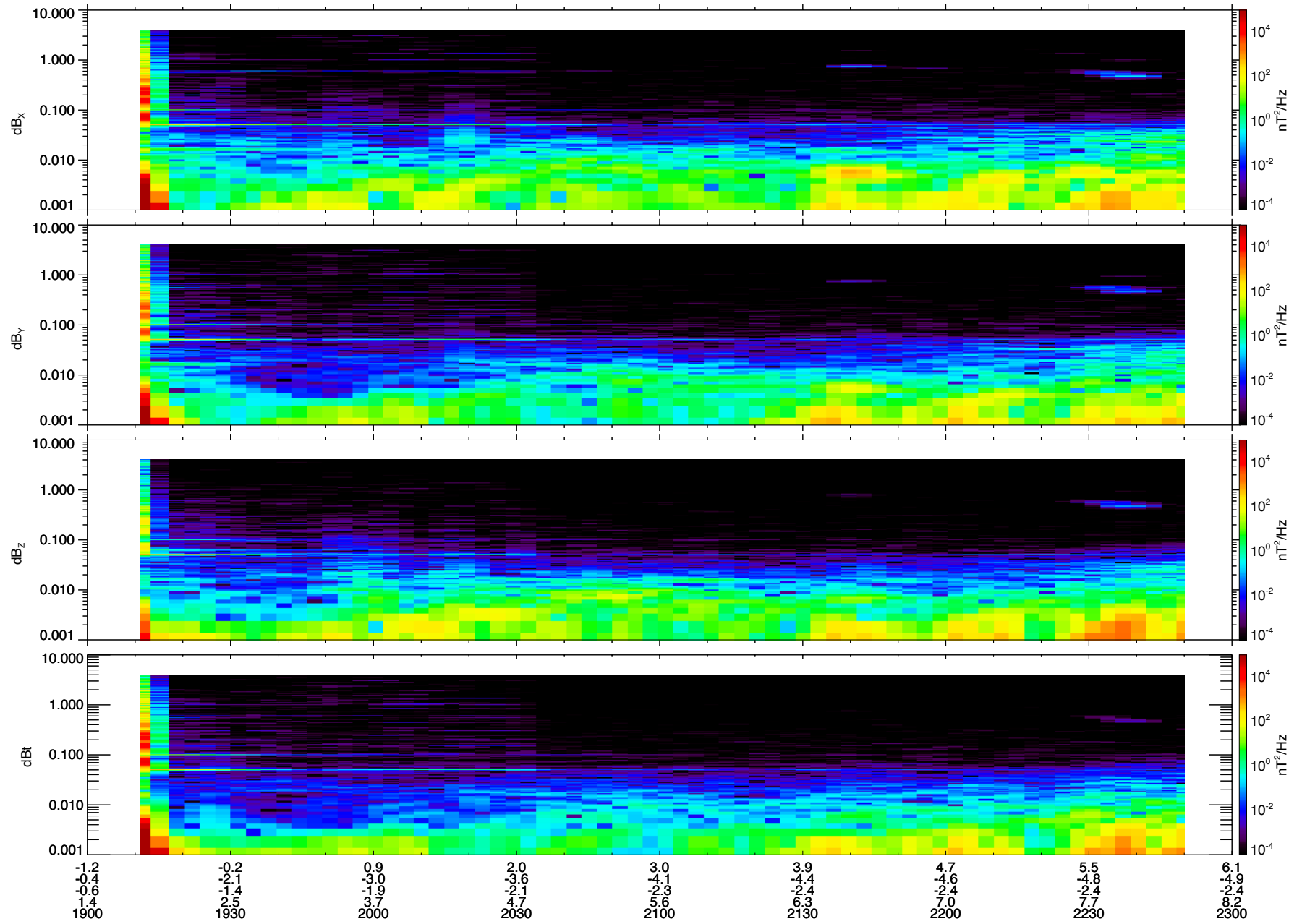
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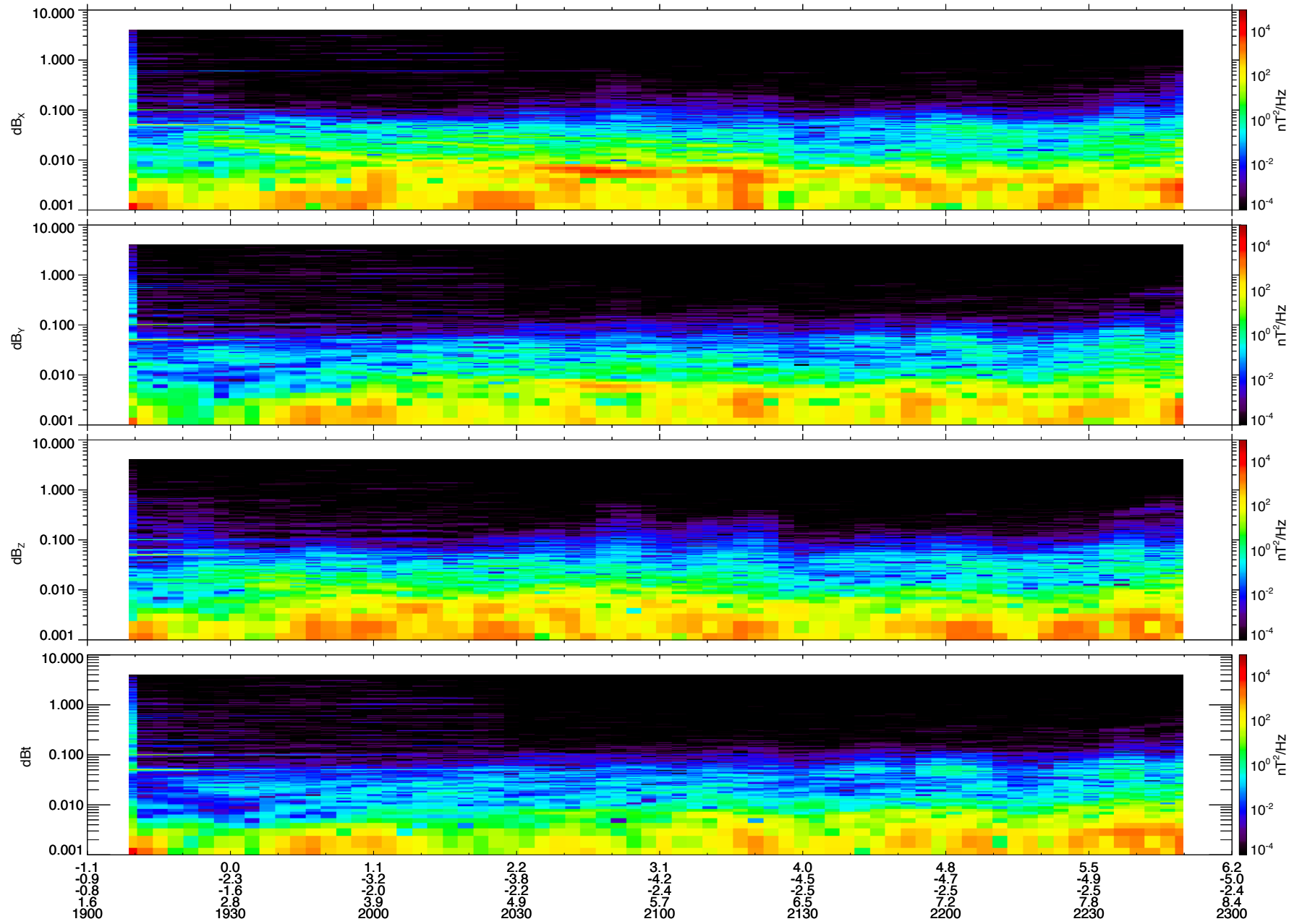
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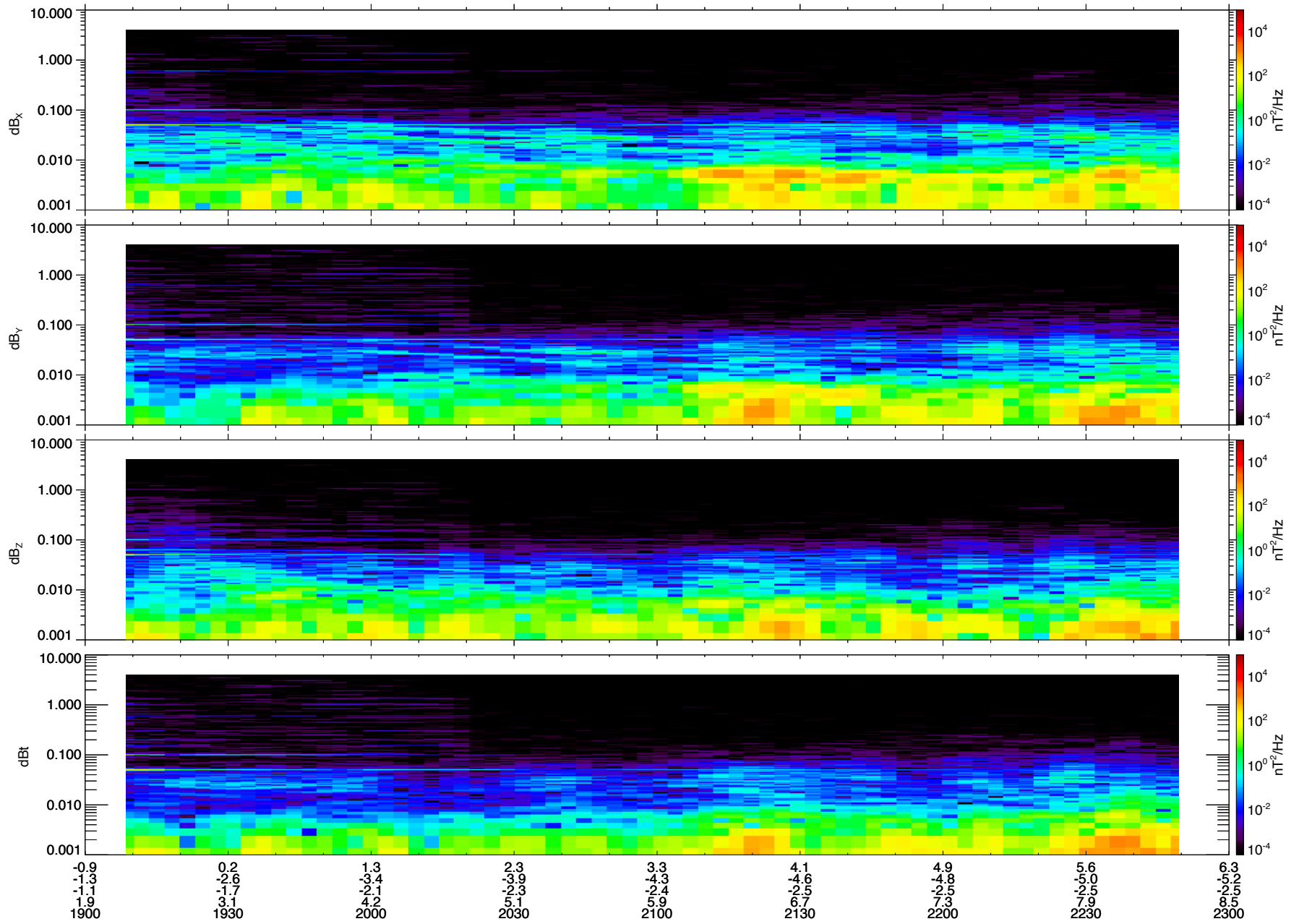
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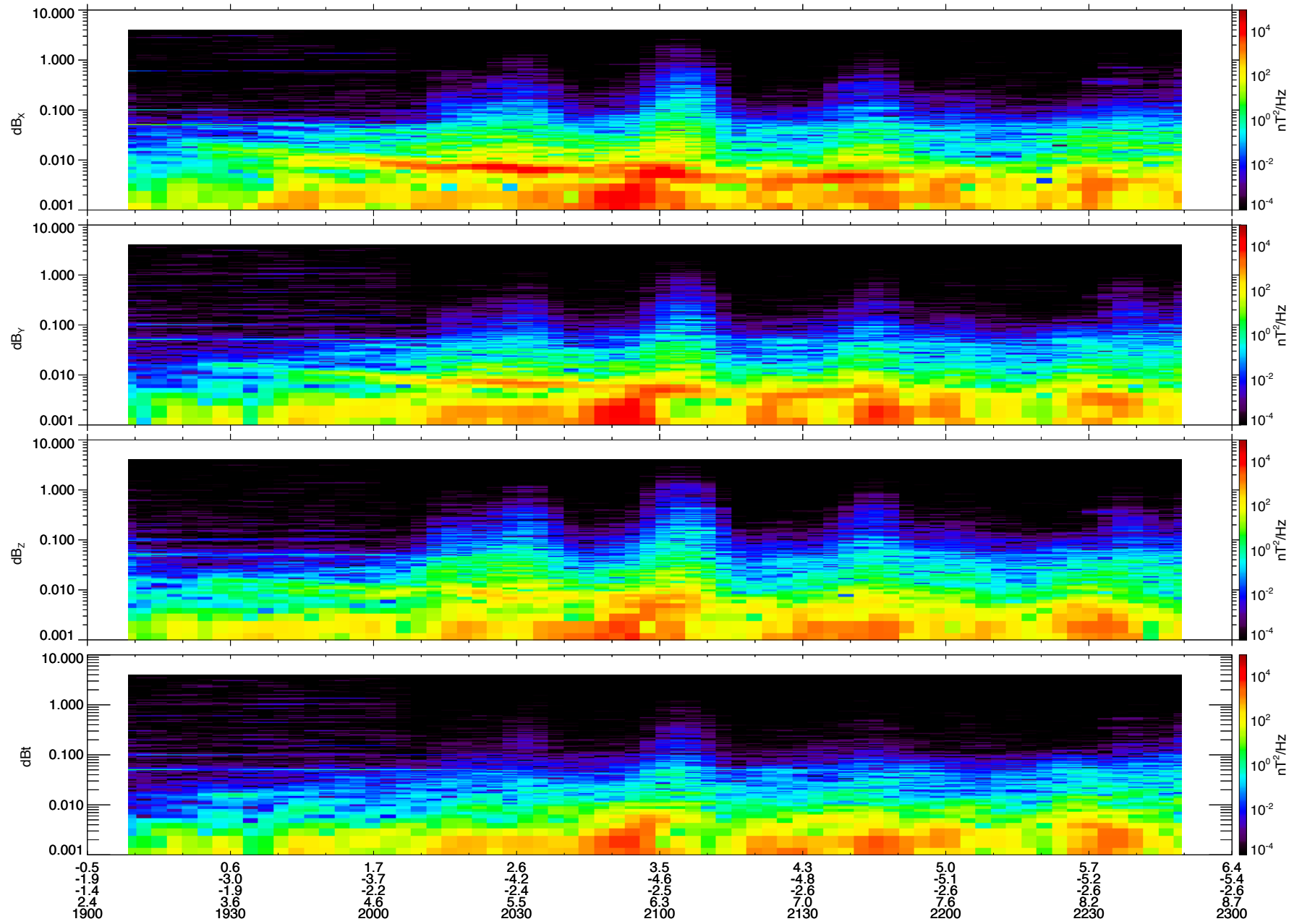
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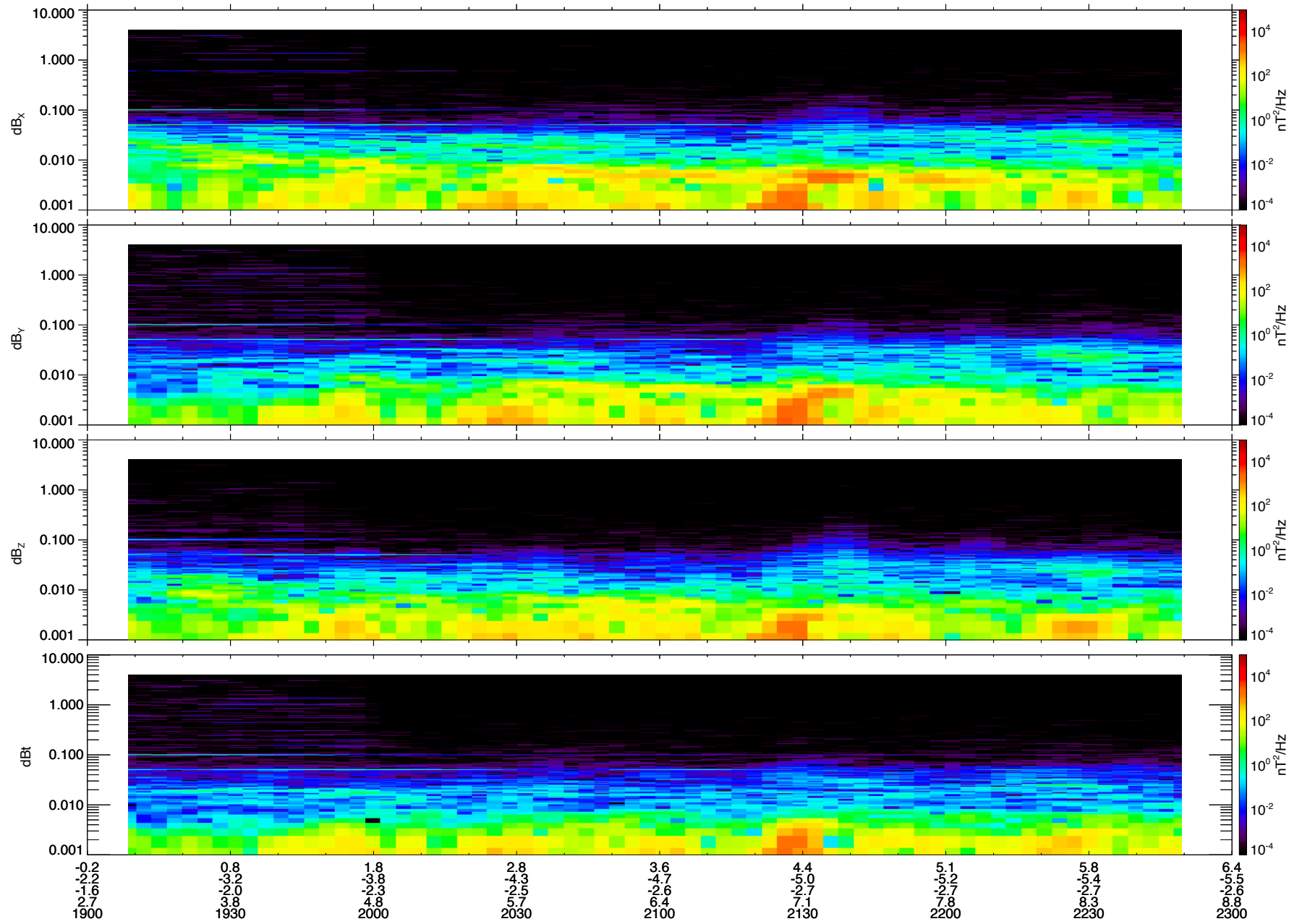
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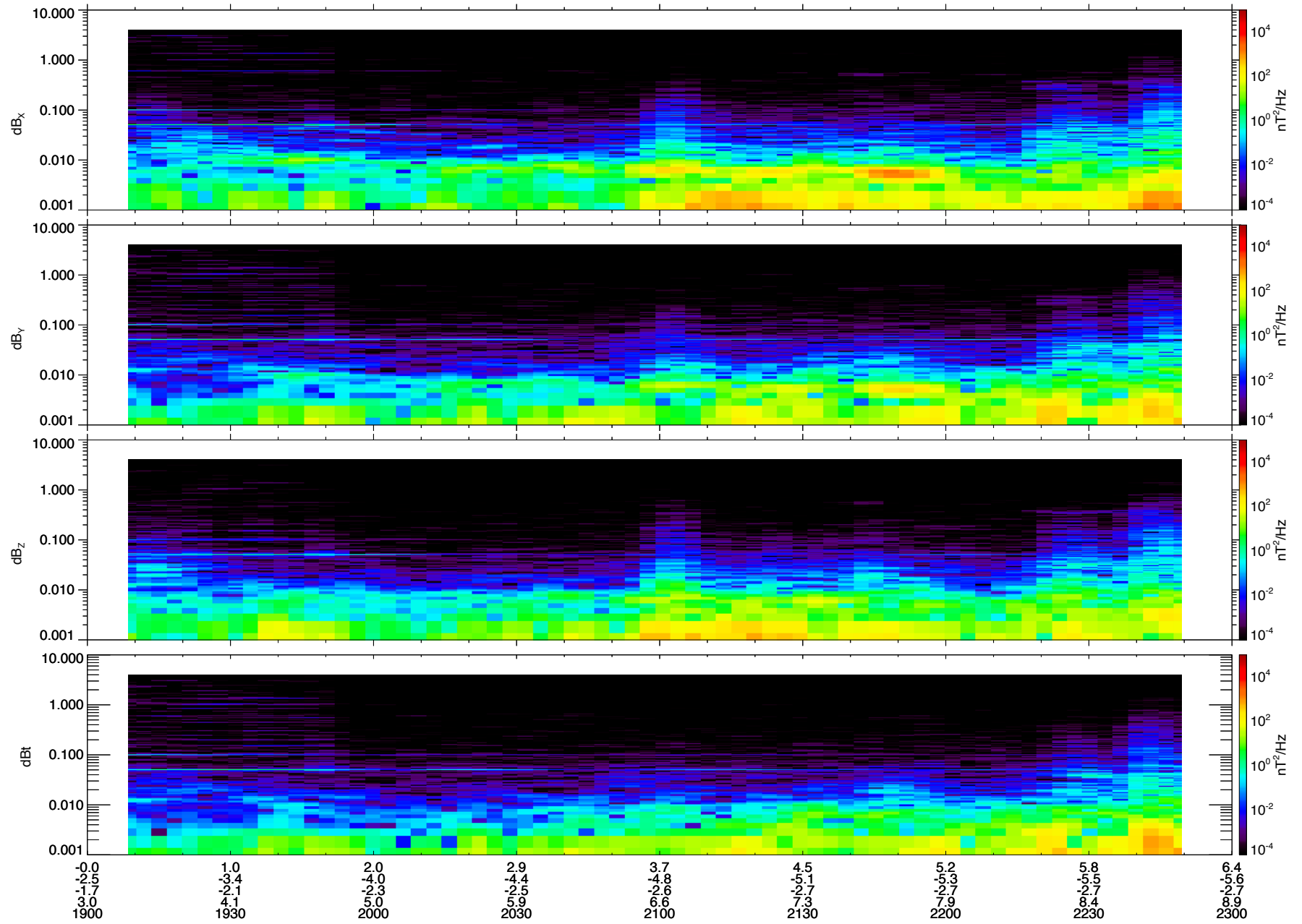
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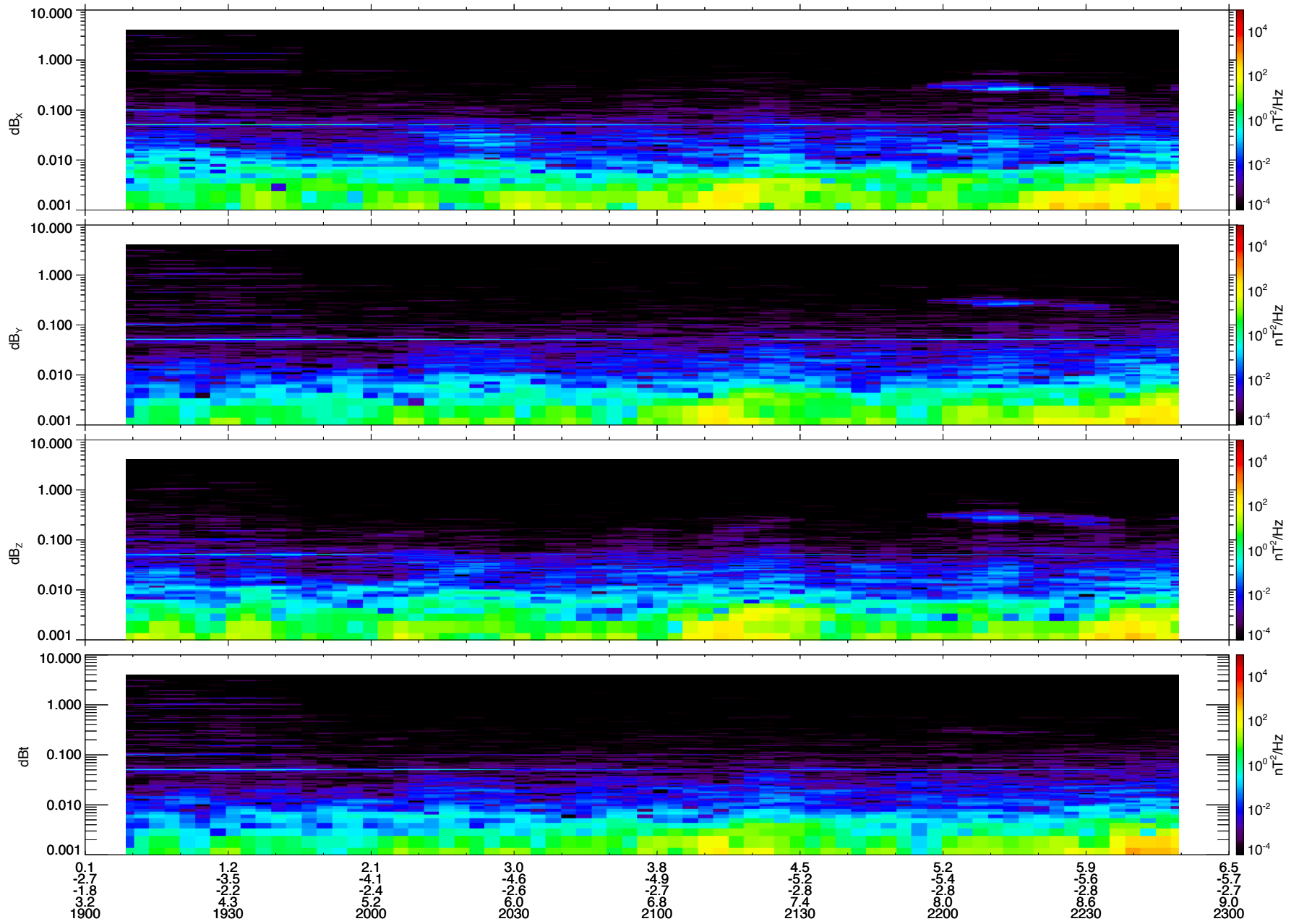
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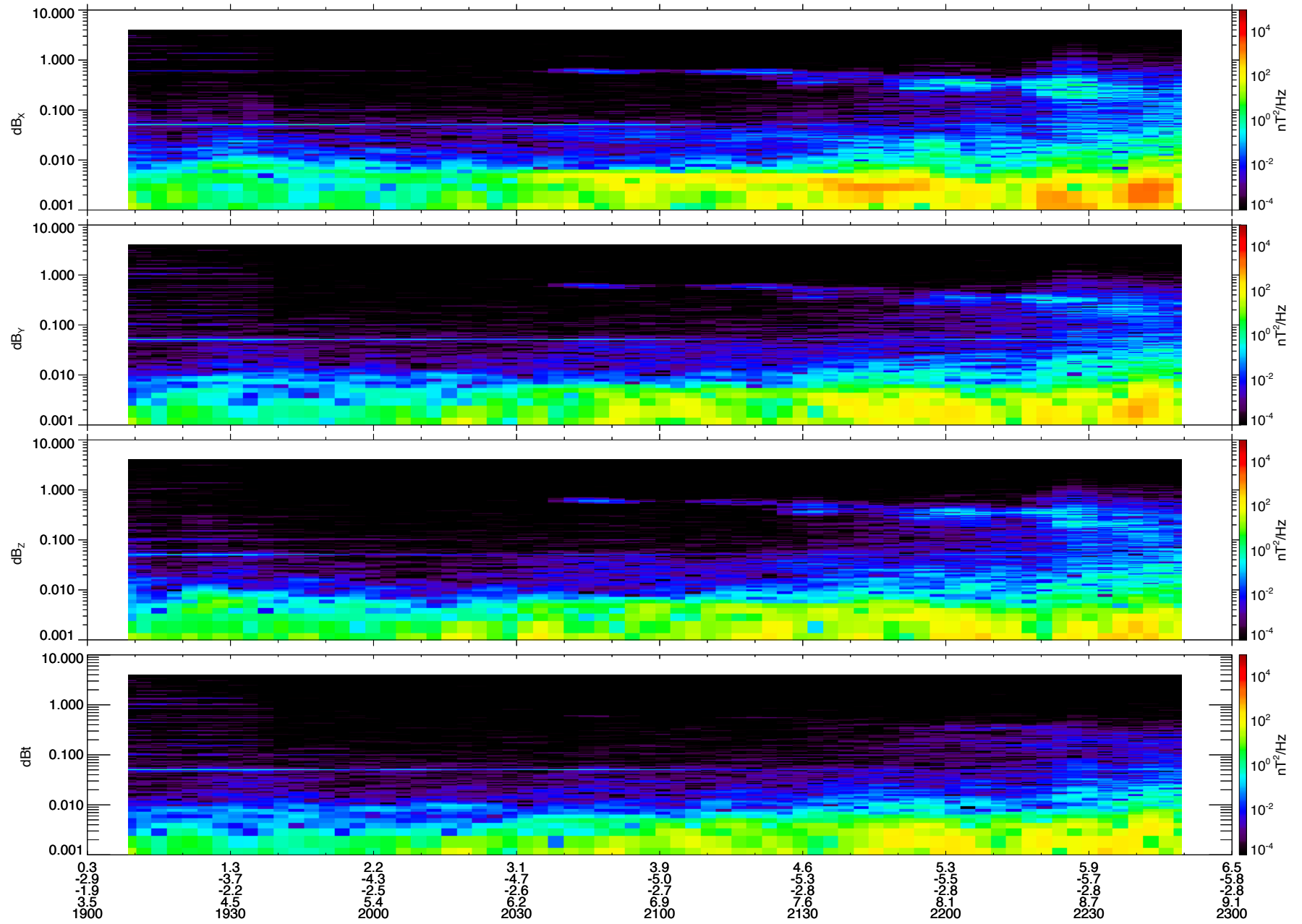
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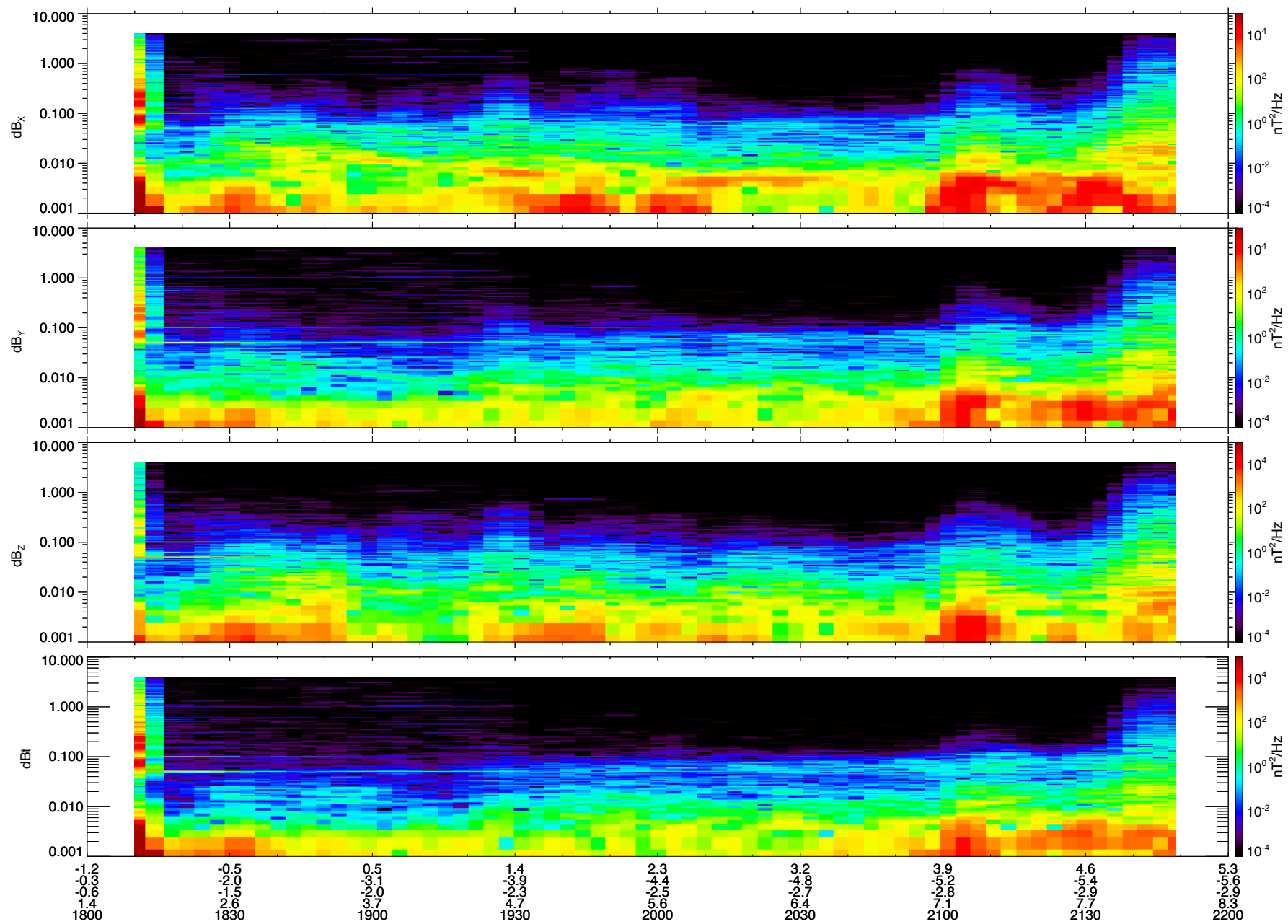
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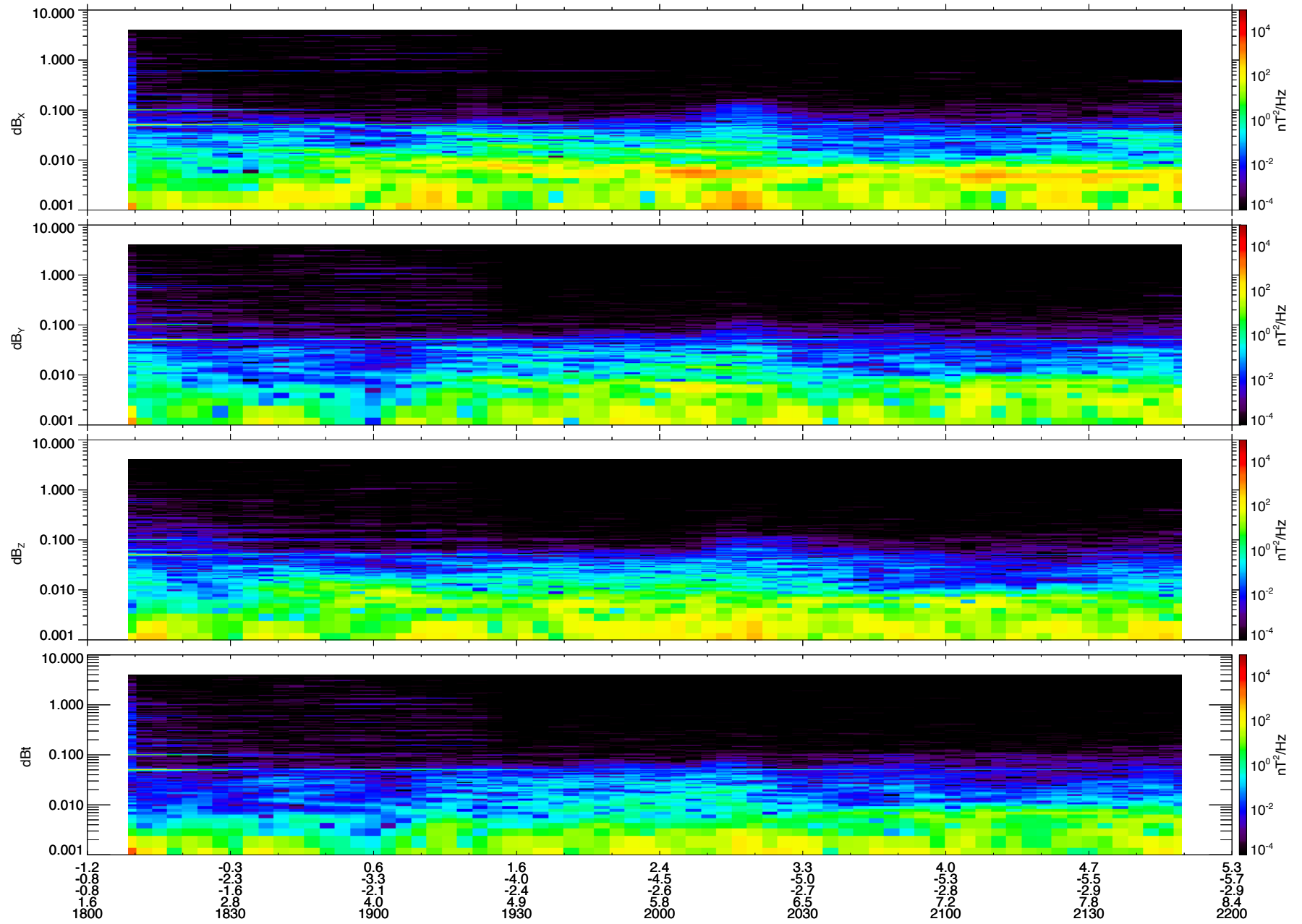
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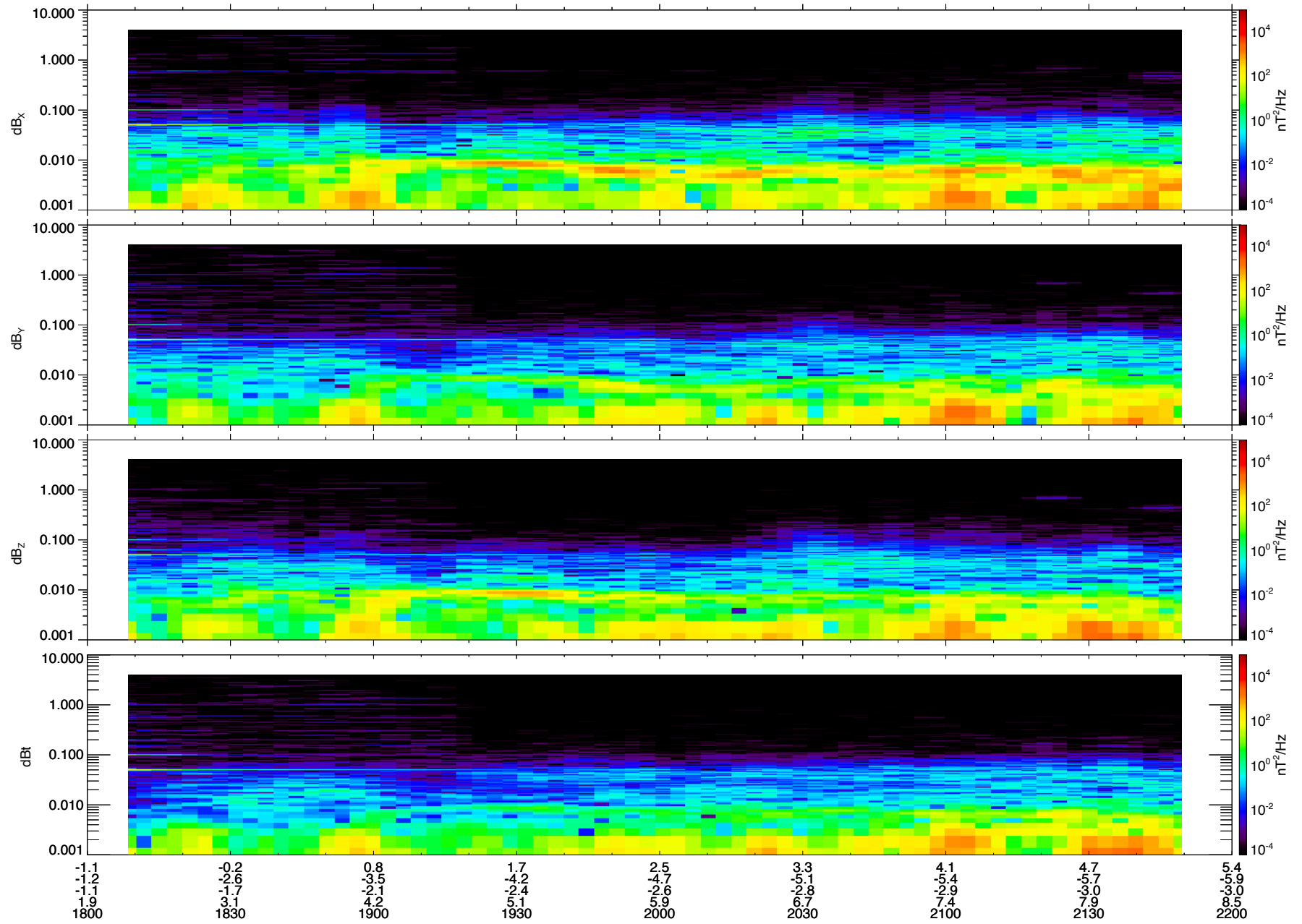
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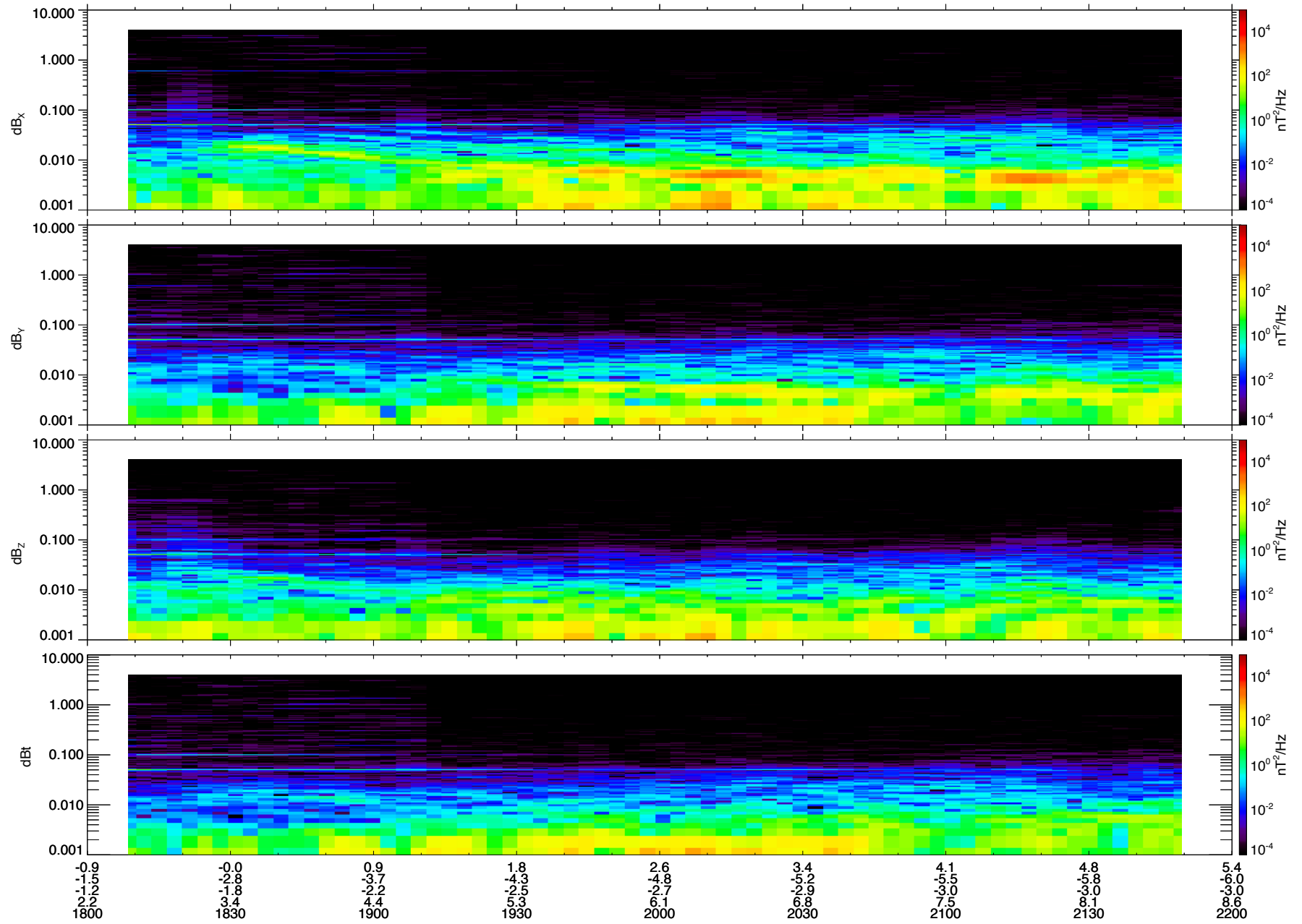
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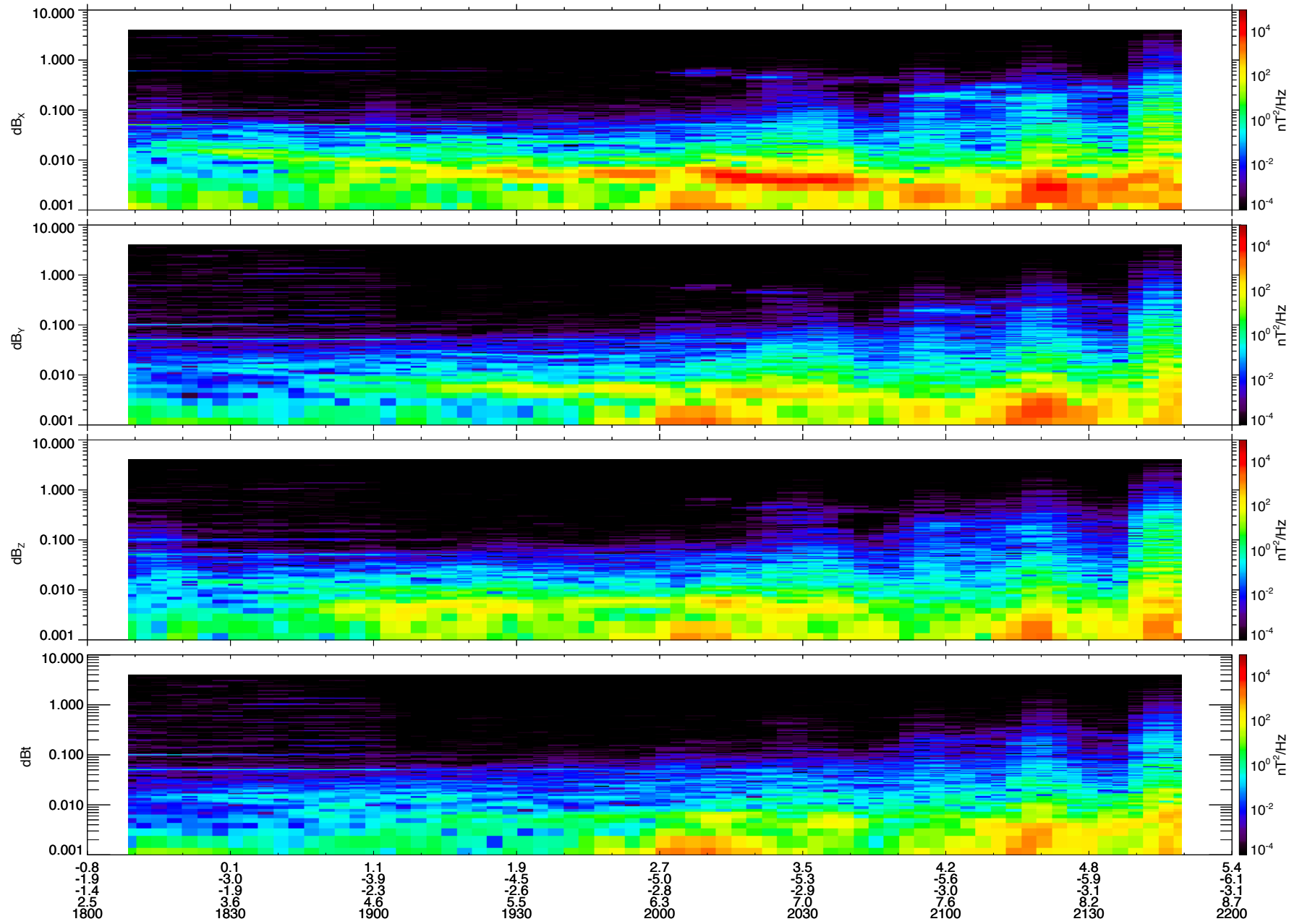
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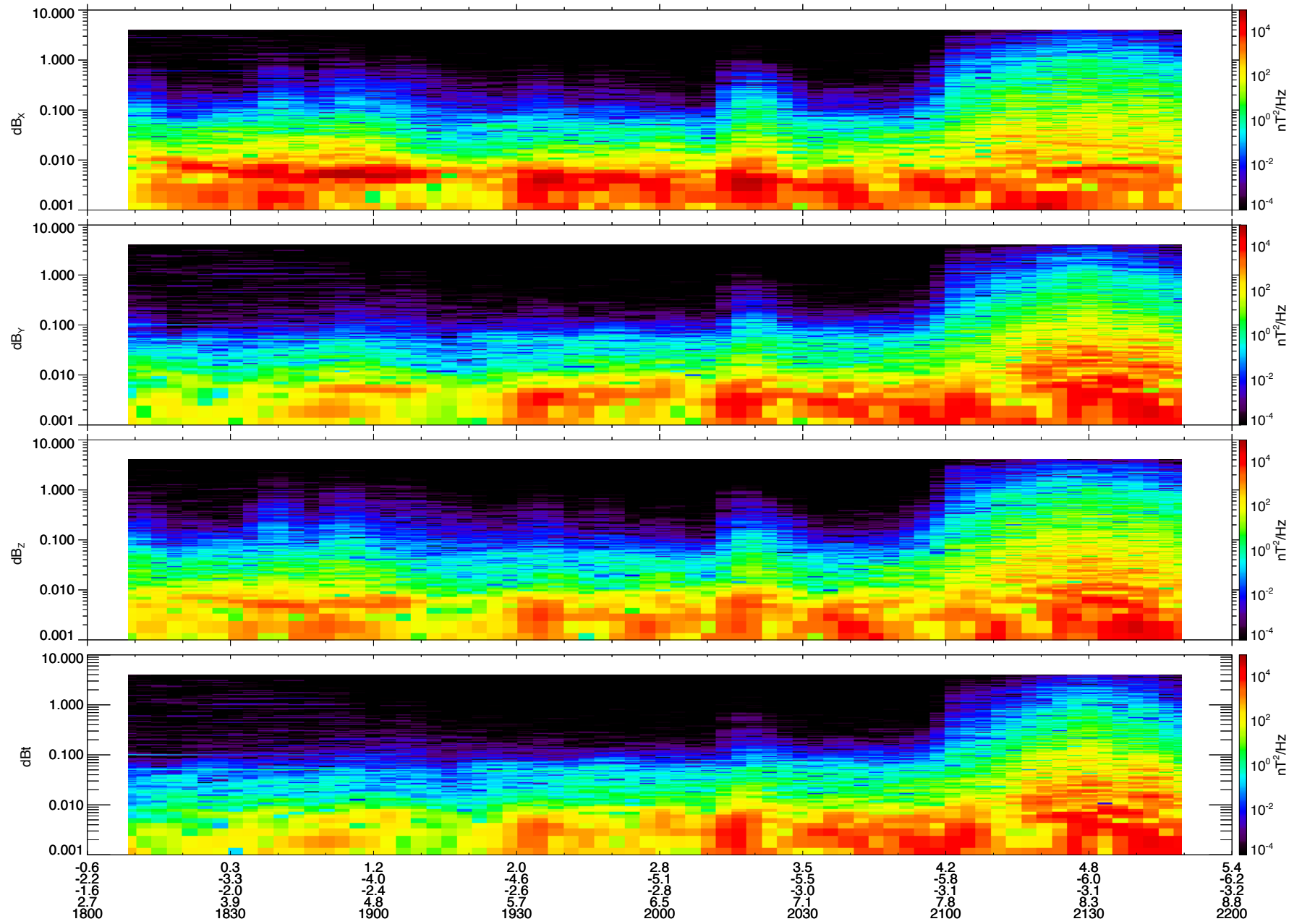
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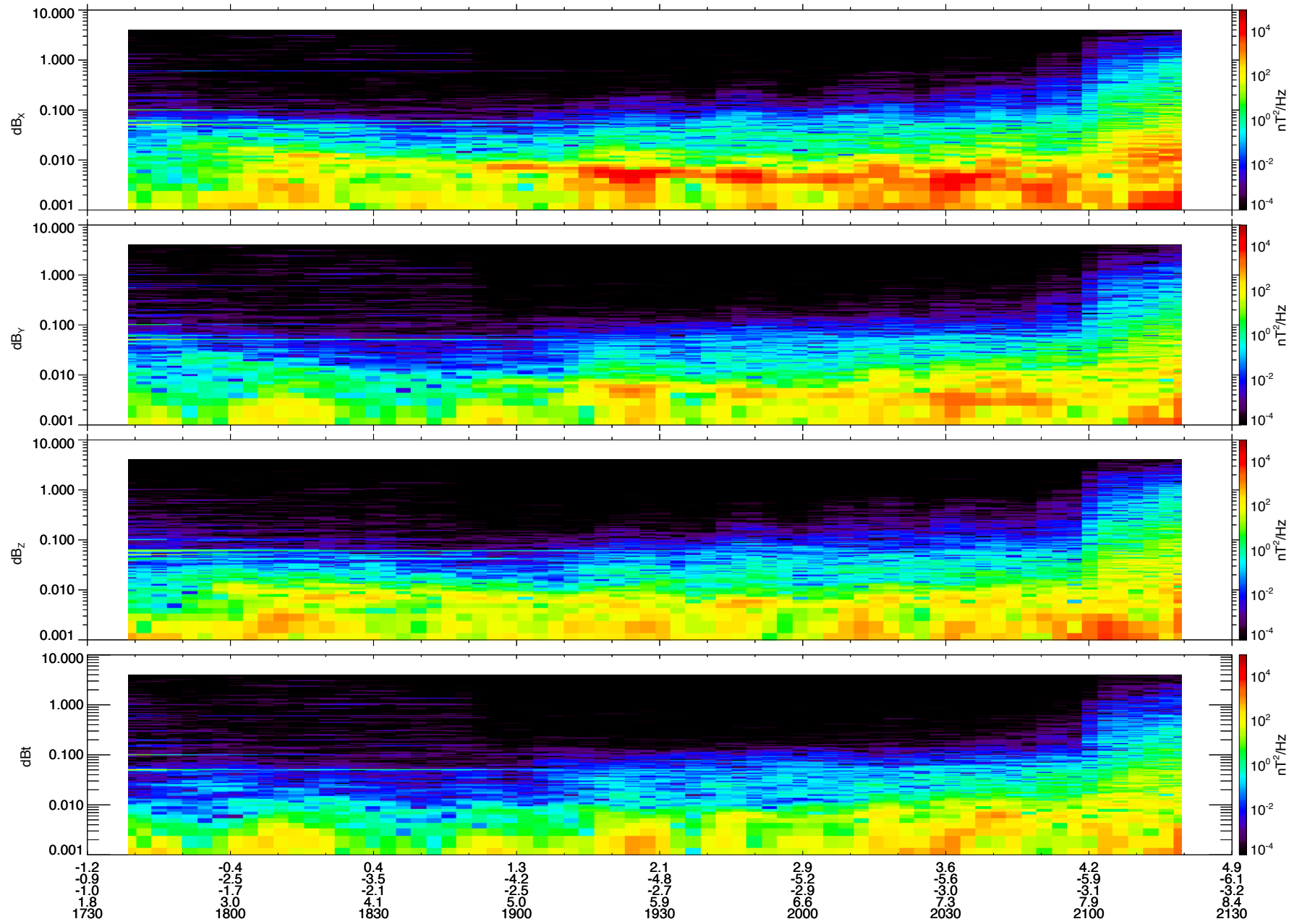
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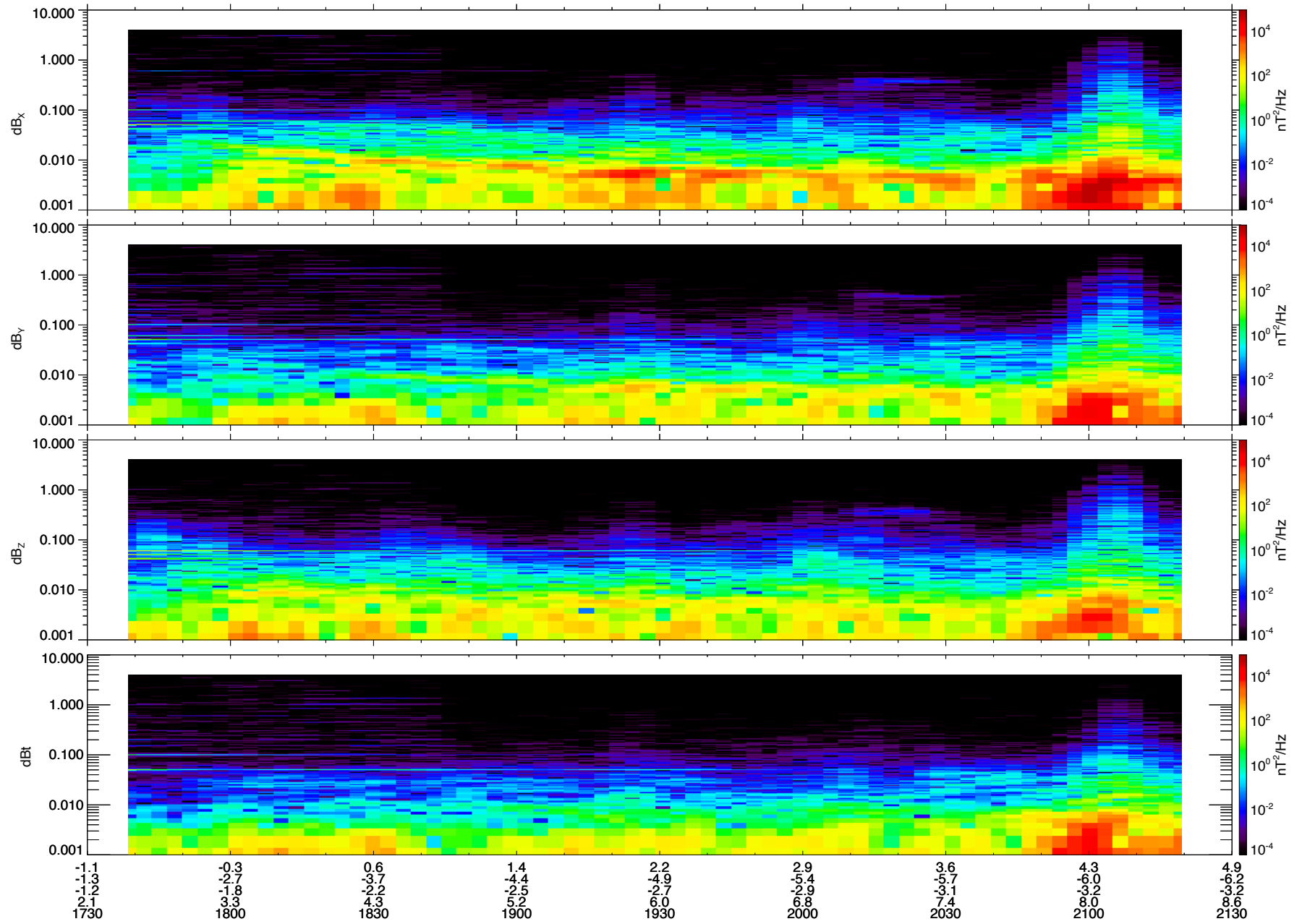
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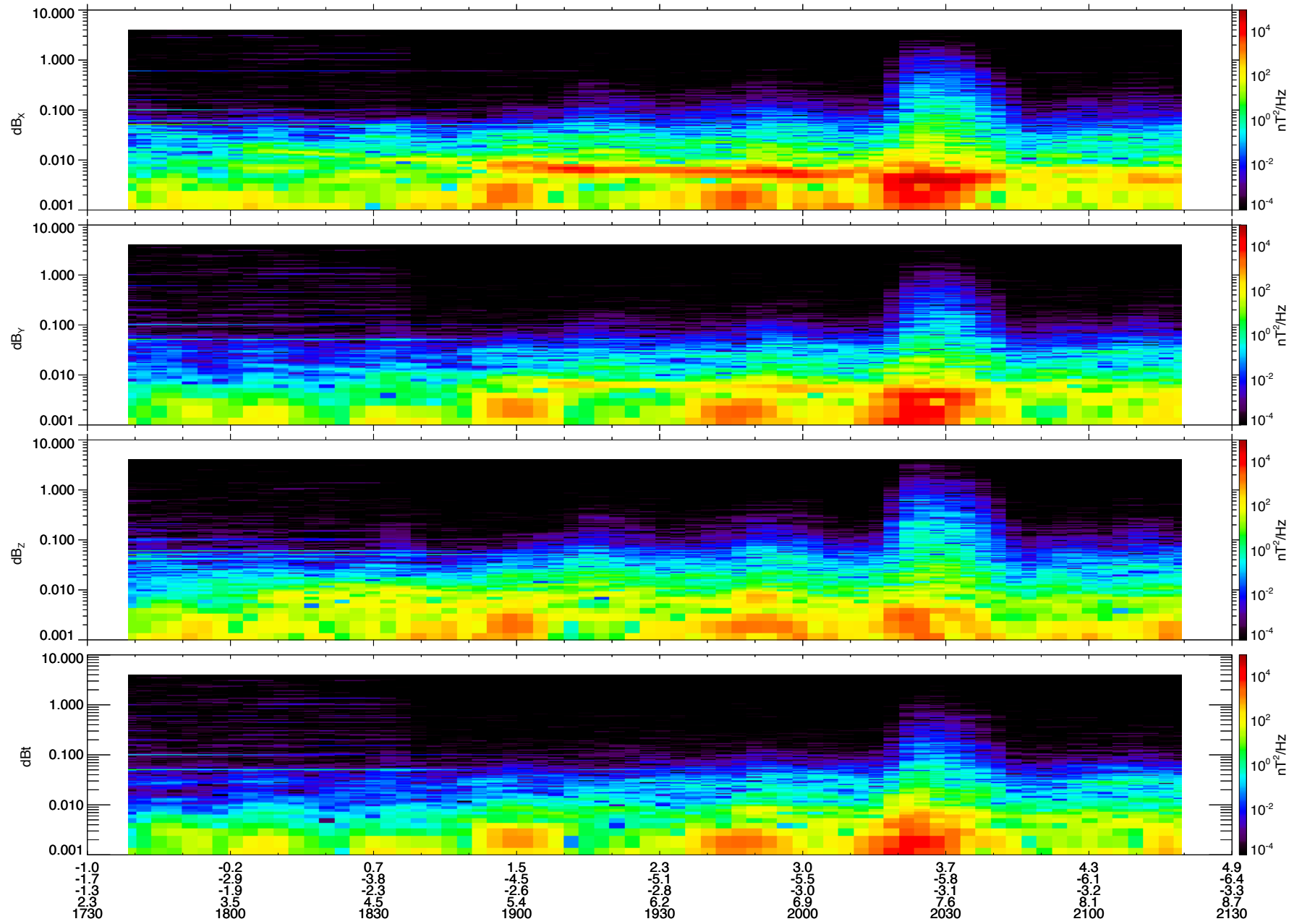
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MMS1 Outbound Dynamic Power Spectrum 2017-02-04

