**GEOTAIL EPIC**

Jan 8, 2006 (8)

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**EPI L1 Data:** V01 (V 3)
**EPI Cal:** V 2.14
**MGF L2 Data:** V01 (V 2.1)
**ORB DEF Data:** V01

**Plotting S/W Version:** 3.81
**Plotted:** Tue Jan 10 15:18 2006

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**Energy (keV)**

- Log(dJ/dE) (cm²/s/sr-keV)
- Sect: Avg
- Head: Avg
- T16-T3 TOF

**Velocity (km/s)**

- Log(dJ/dv) (cm²/sr-km)
- Sect: Avg
- Head: Avg

**Mass/Charge**

- Log(cr) (s)
- Sect: Avg
- Head: Sum
- M2-M10 CNO

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**B [nT]**

- UT X<sub>GSM</sub>
- Y<sub>GSM(GSE)</sub>
- Z<sub>GSM(GSE)</sub>

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**Other Parameters**

- H+ ---- BH+
- He+2 ---- SWp
- SWs ---- He+
- N+2 ---- O+2
- NO,O2+ ---- N+ ---- O+
- N+ ---- O+ 
- NO,O2+ ----

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**Legend**

- E3-E16 energy
- Log(dJ/dE) (cm²/s/sr-keV)
- Sect: Avg
- Head: Avg
- T16-T3 TOF

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**Axes**

- Energy (keV)
- Velocity (km/s)
- Mass/Charge
- **dB/B** (nT)

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**Time (UT)**

- 0000: 23.1
- 0200: 23.5
- 0400: 23.8
- 0600: 24.1
- 0800: 24.3
- 1000: 24.3
- 1200: 24.3

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**Legend Colors**

- Red
- Orange
- Yellow
- Green
- Blue
- Purple
- Black
- White

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**Plot Details**

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**Notes**

- The plot includes various panels showing energy, velocity, mass/charge, and magnetic field data over time.
- The energy panels display data in keV and energy flux as Log(dJ/dE) in various sections and heads.
- The velocity panels show data in km/s similarly.
- Mass/charge data is presented with Log(cr) in different sections and heads.
- The dB/B panel shows the magnetic field variations over time.
- Time annotations are provided in UT, with specific X<sub>GSM</sub>, Y<sub>GSM(GSE)</sub>, and Z<sub>GSM(GSE)</sub> values given for each hour.

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**Conclusion**

- The plot is a comprehensive representation of the spacecraft's data, including energy, velocity, and magnetic field information, over a specific time period.