

**R O S E T T A**

**FLIGHT REPORTS**  
**of RPC-MAG**

**RO-IGEP-TR-0017**

Issue: 1    Revision: 5

2007-04-18

**OVERVIEW OF**  
**AVAILABLE RPCMAG DATA**  
**AND**  
**DATA QUALITY ASSESSMENT**

**Mission Phases: CVP, EAR1, CR2**  
**Time Period: March 2004 - July 2006**

Ingo Richter

Institut für Geophysik und extraterrestrische Physik  
Technische Universität Braunschweig  
Mendelssohnstraße 3, 38106 Braunschweig  
Germany

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## 1 Introduction

This document contains information about all available data and its quality for the time period between March, 2004 until July 2006. This covers this Mission Phases CVP, EAR1, and CR2.

For every year, month and days where measurement data are available overview plots have been created. The data availability plots show all data calibration levels being available. For RESAMPLED data the average interval is listed as well. An overview table of available data completes the data overview.

Additionally for each measurement day two plots of LEVEL\_F (calibrated data in s/c coordinates) are available. These plots show

- the OB and IB data and
- the differences of OB-IB

In these plots the phases where the sensors are not in thermal equilibrium have been marked as red areas. The assessment indicator  $I$  of these "BAD INTERVALS" has been derived from the first derivative of the difference of the sensor temperatures

$$I = \frac{\partial(T_{\text{OB}} - T_{\text{IB}})}{\partial t}$$

Areas are marked red if  $I$  exceeds a certain level.

The science modes of the data are distinguished by different colors.

This document shall give a quick overview of all data available

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**2 2004**

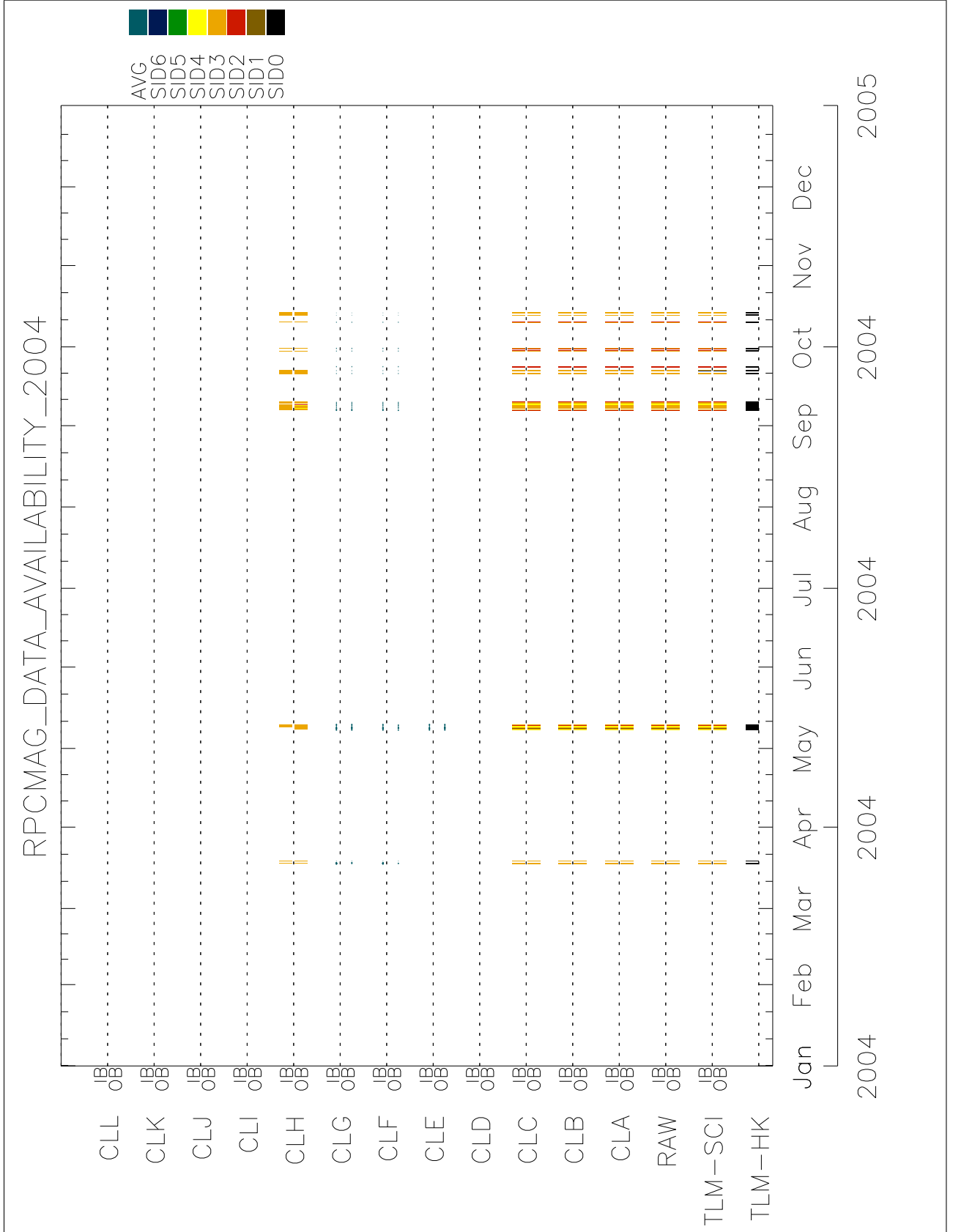


Figure 1: Overview 2004

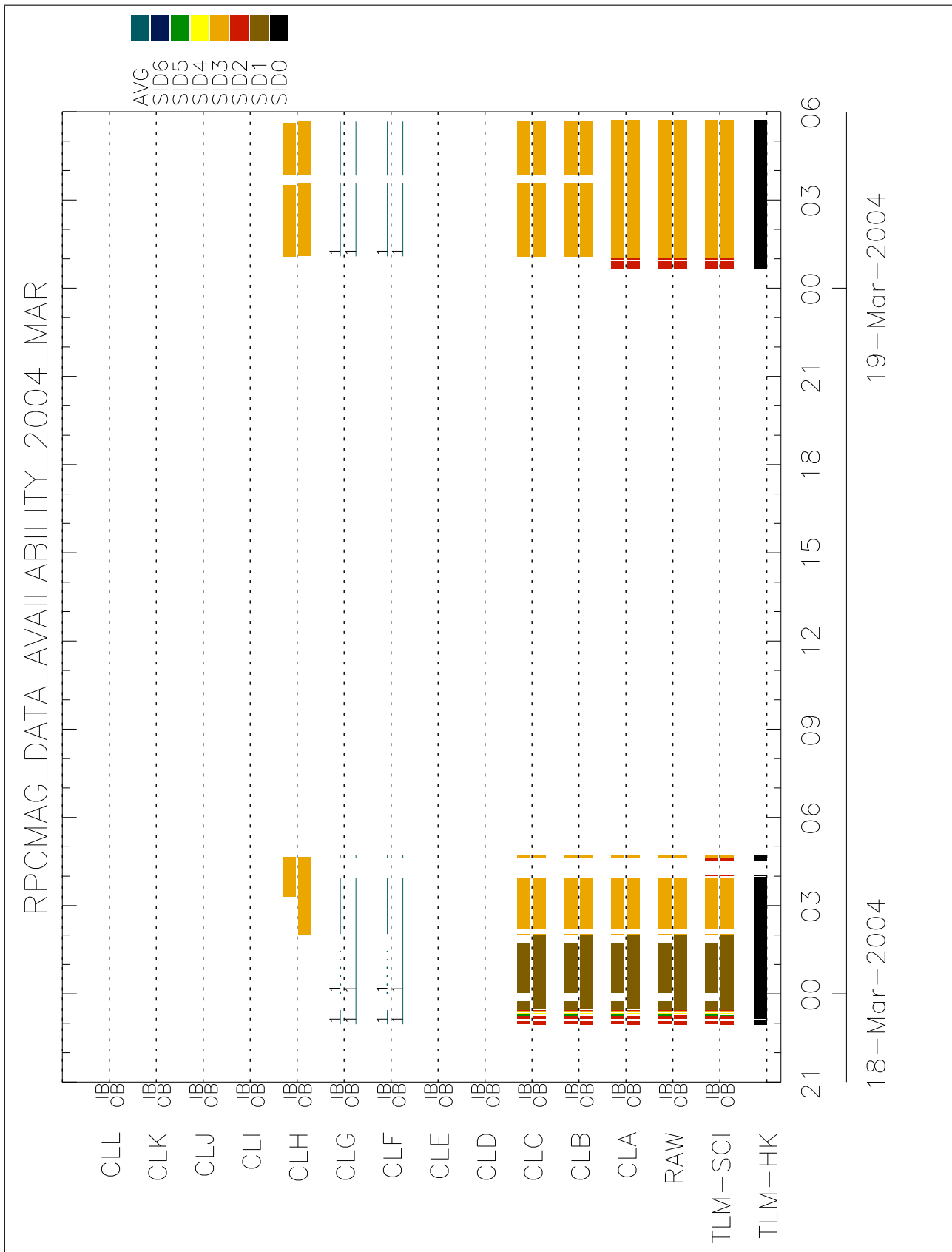


Figure 2: Overview March 2004

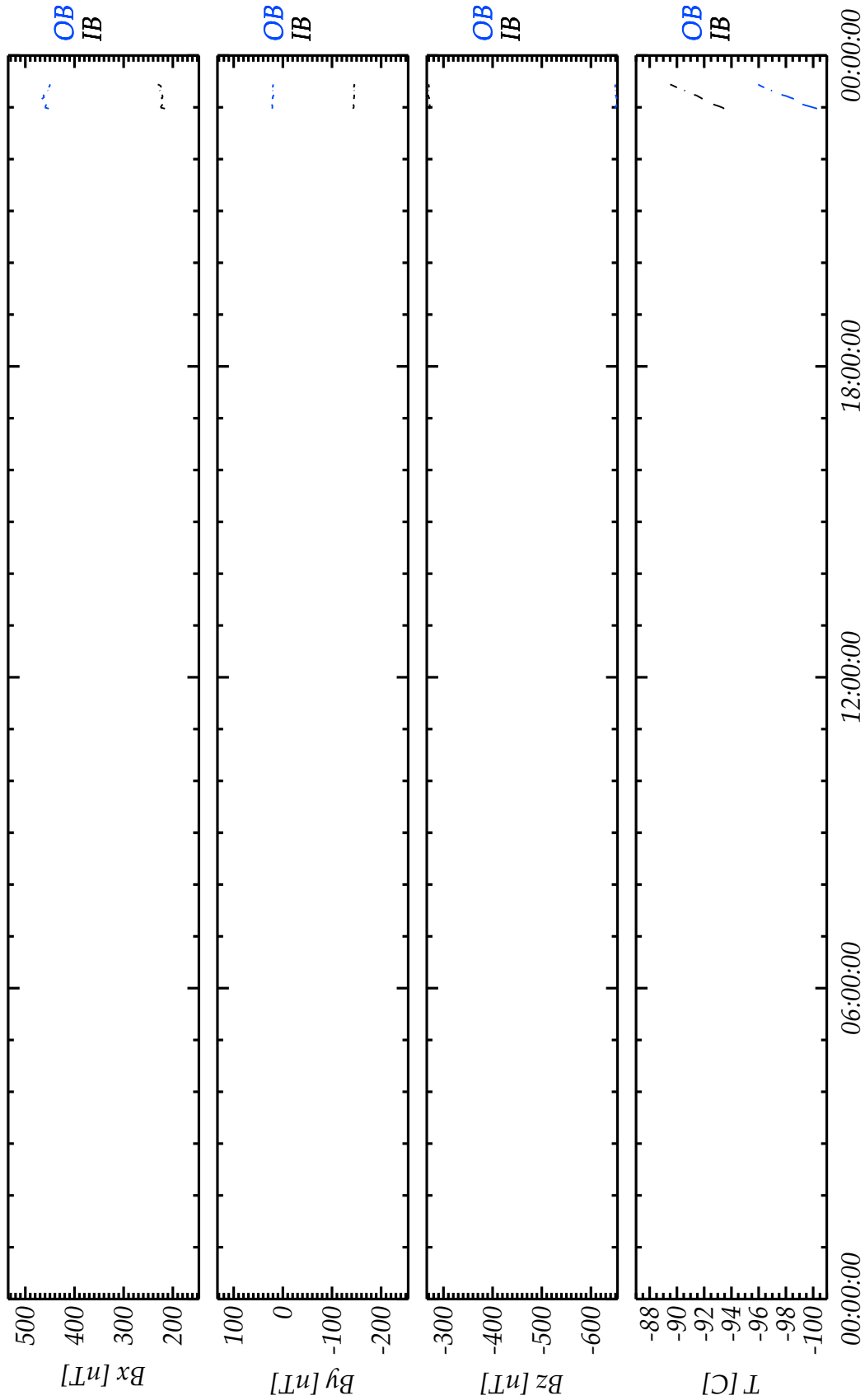
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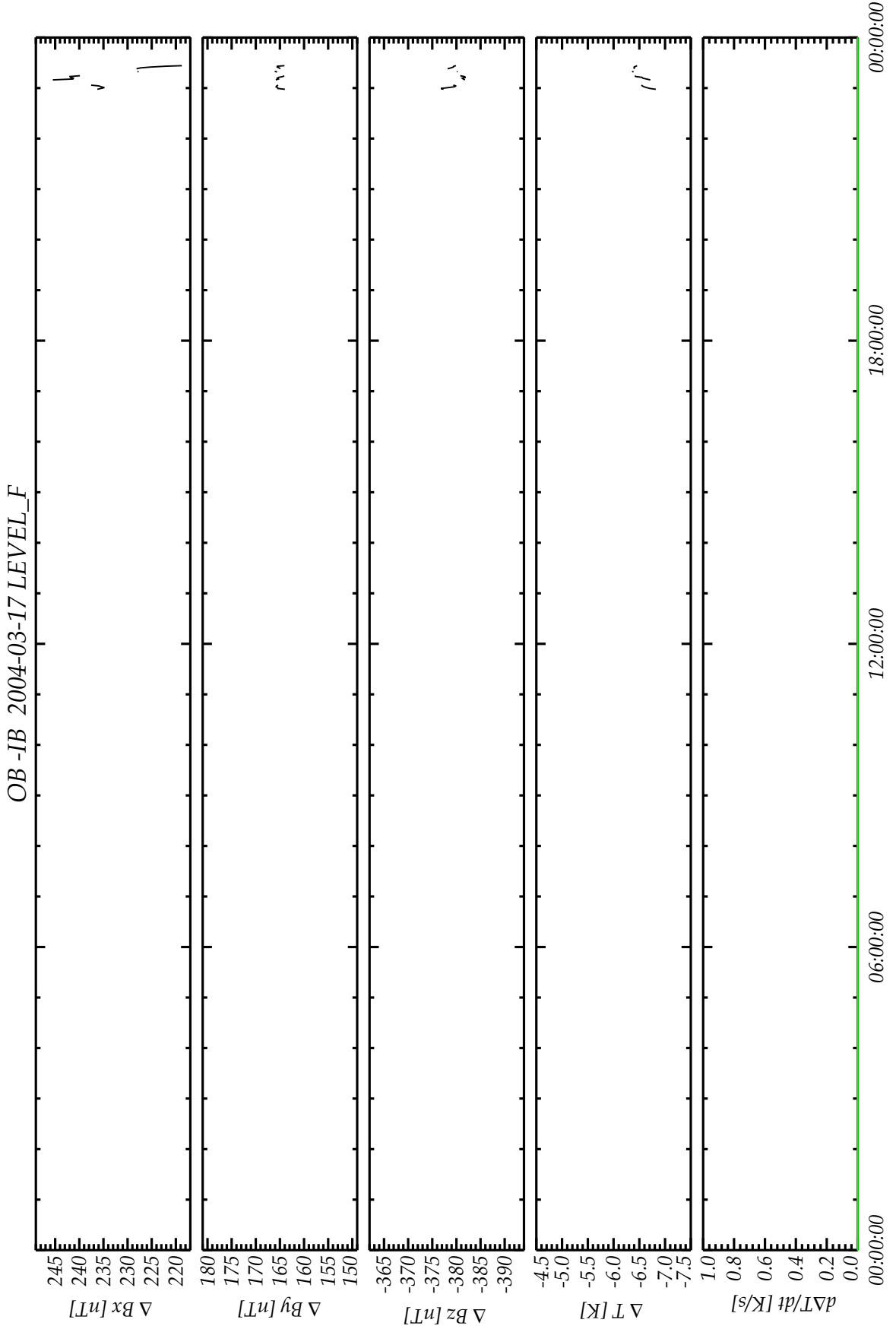
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DATE	LEVEL	AVERAGE [s]	SENSOR
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2004-03-17	CLF	1	OB
2004-03-17	CLF	1	IB
2004-03-17	CLG	1	OB
2004-03-18	CLG	1	OB
2004-03-18	CLF	1	OB
2004-03-18	CLF	1	IB
2004-03-18	CLG	1	IB
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2004-03-19	CLF	1	IB

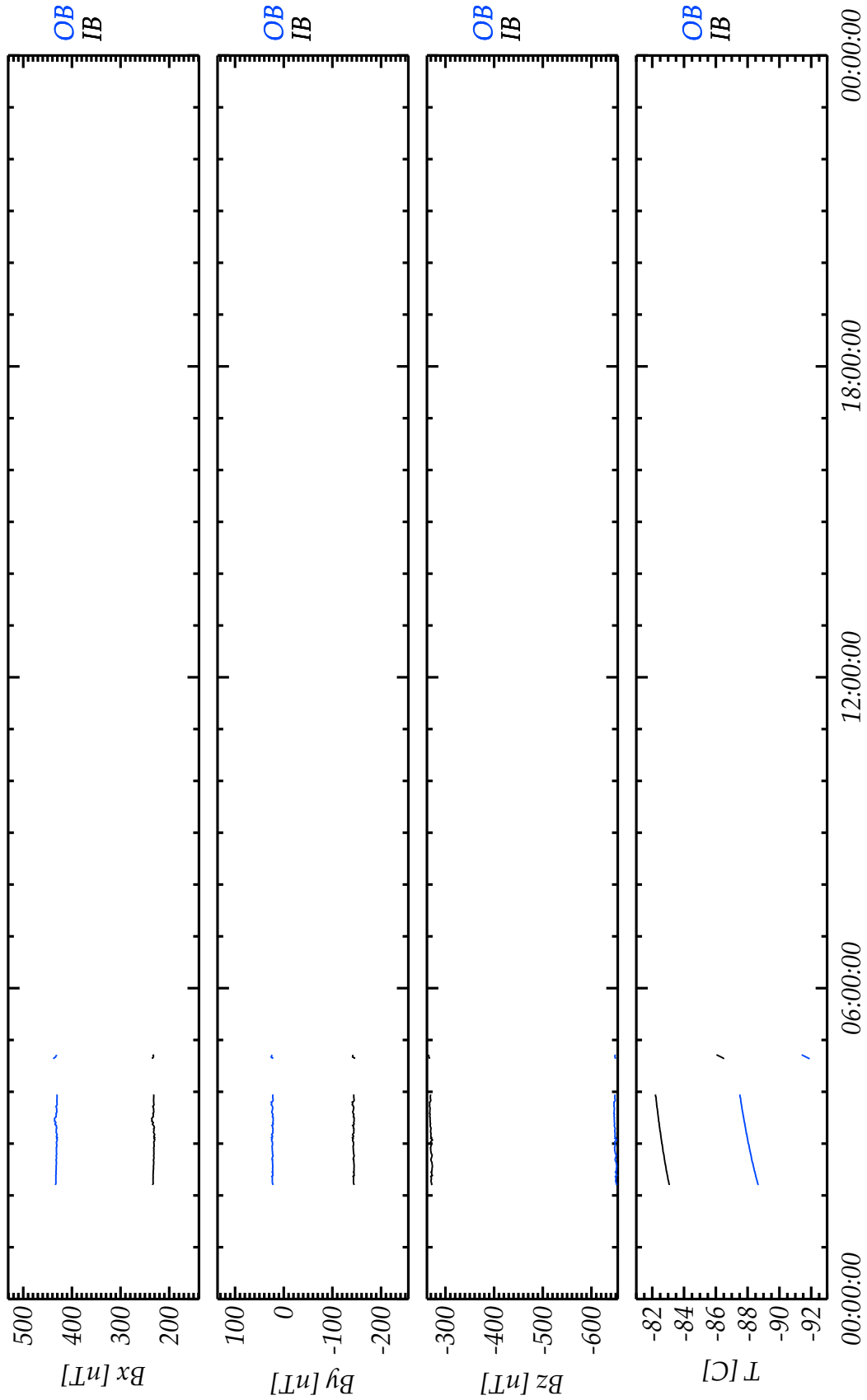
*OB vs. IB 2004-03-17 LEVEL\_F*

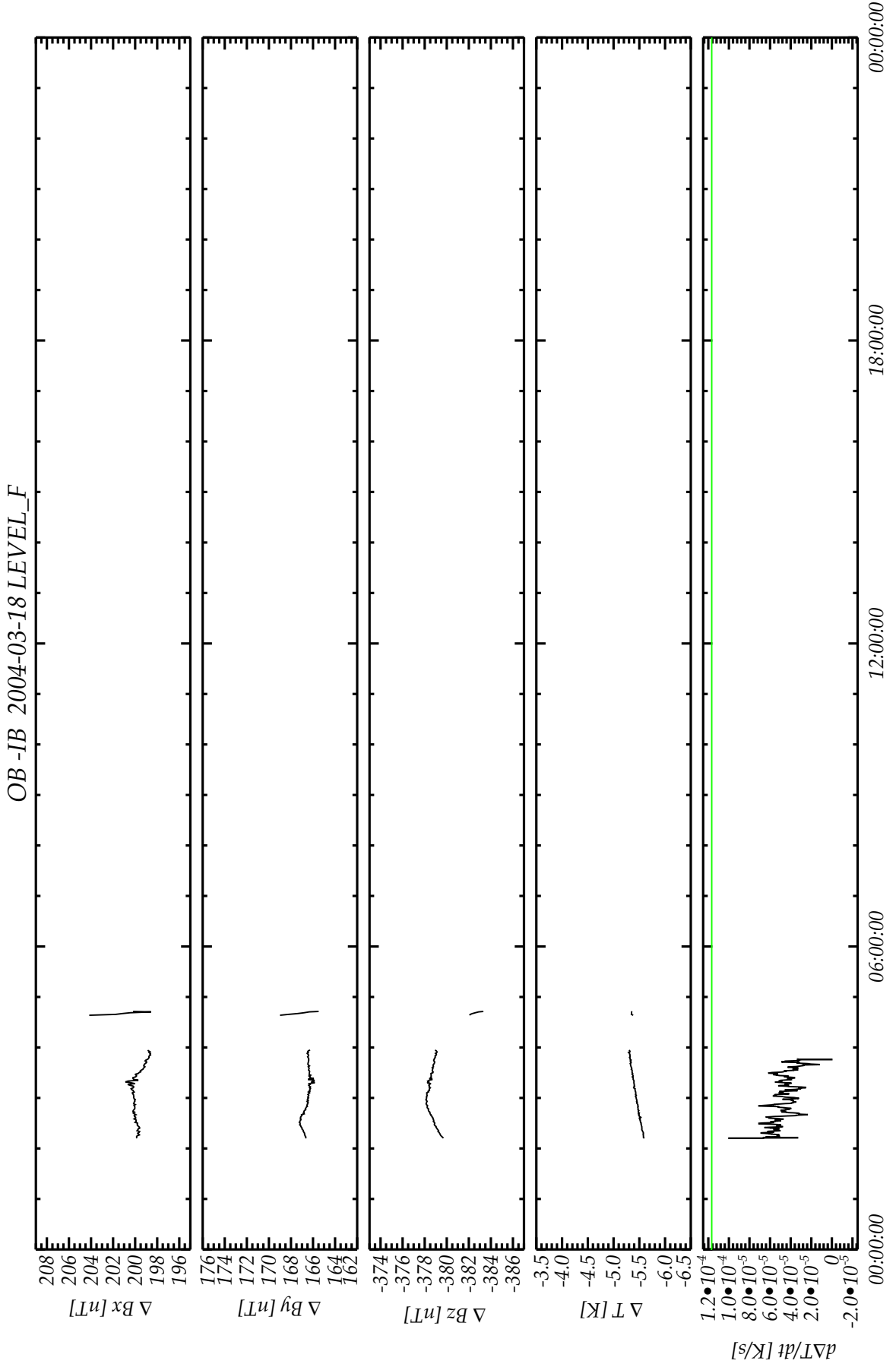




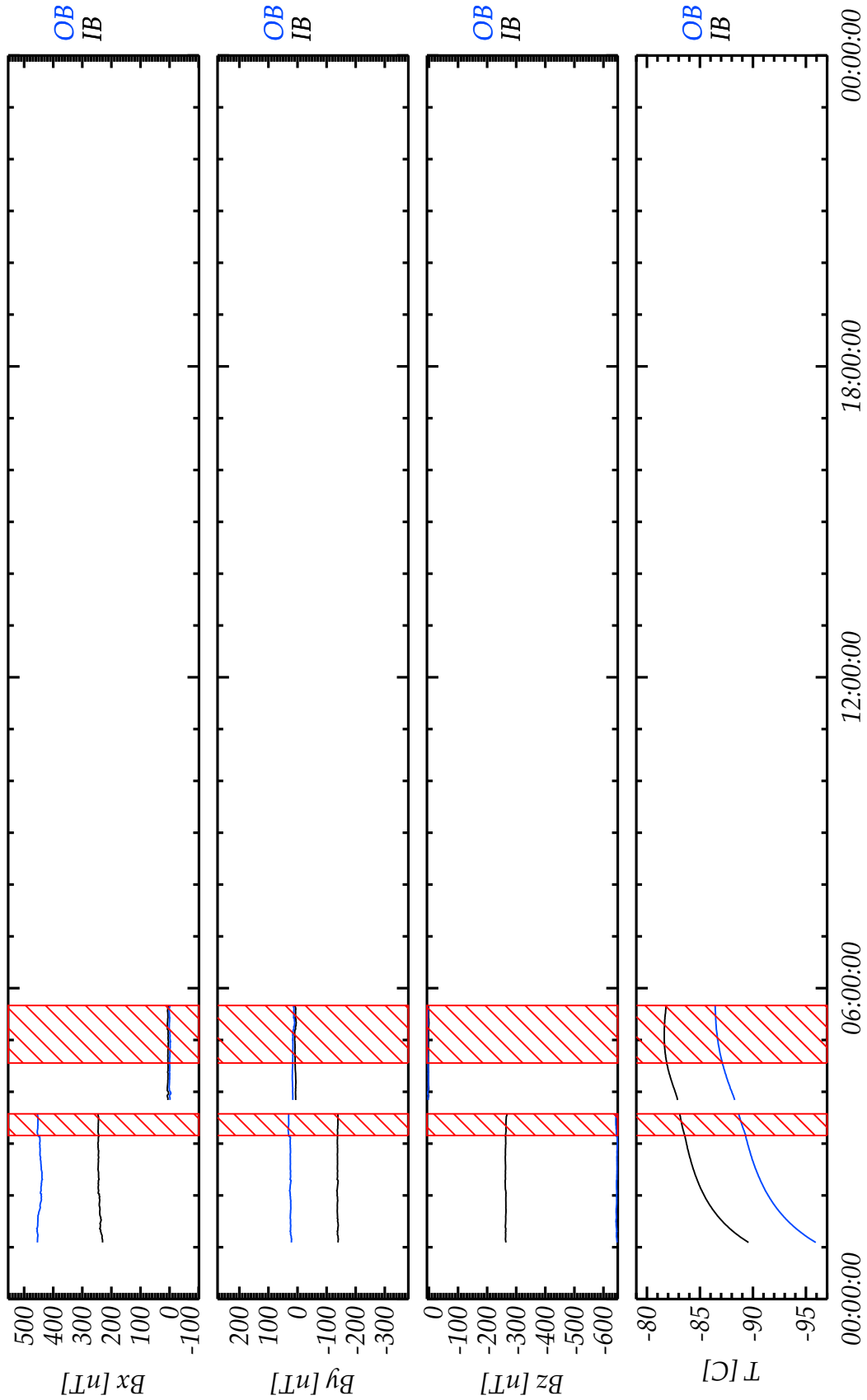


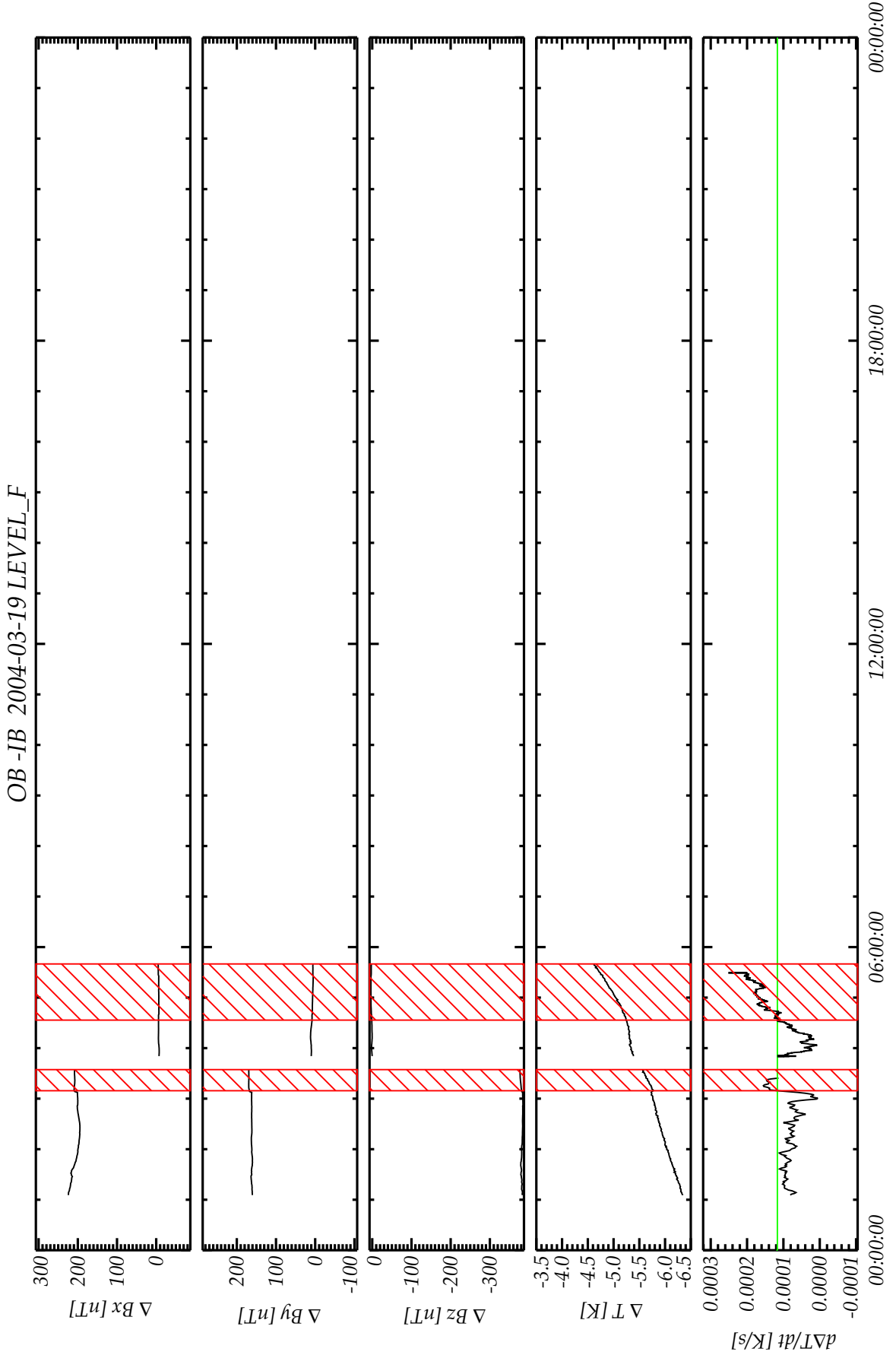
*OB vs. IB 2004-03-18 LEVEL\_F*





*OB vs. IB 2004-03-19 LEVEL\_F*





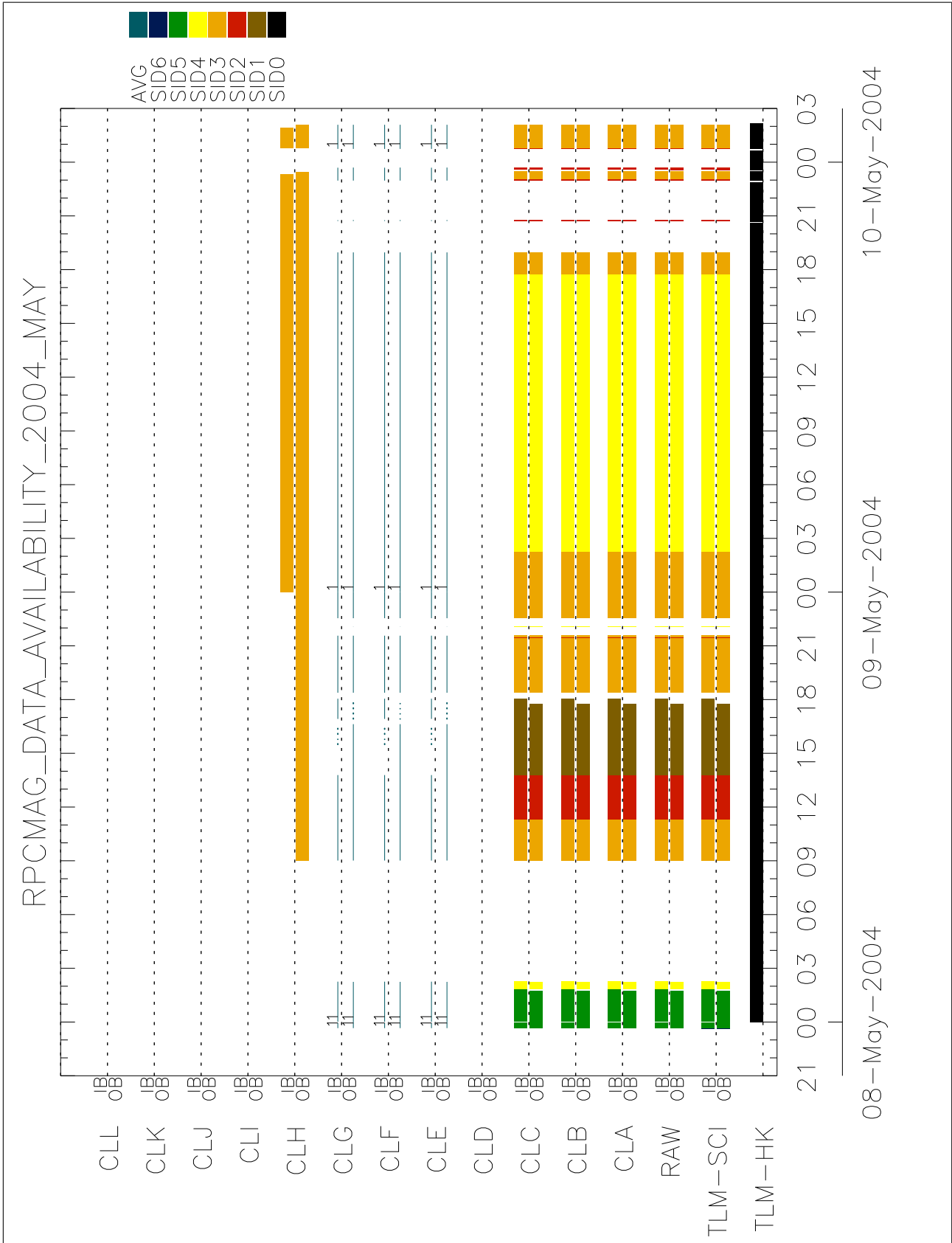


Figure 3: Overview May 2004

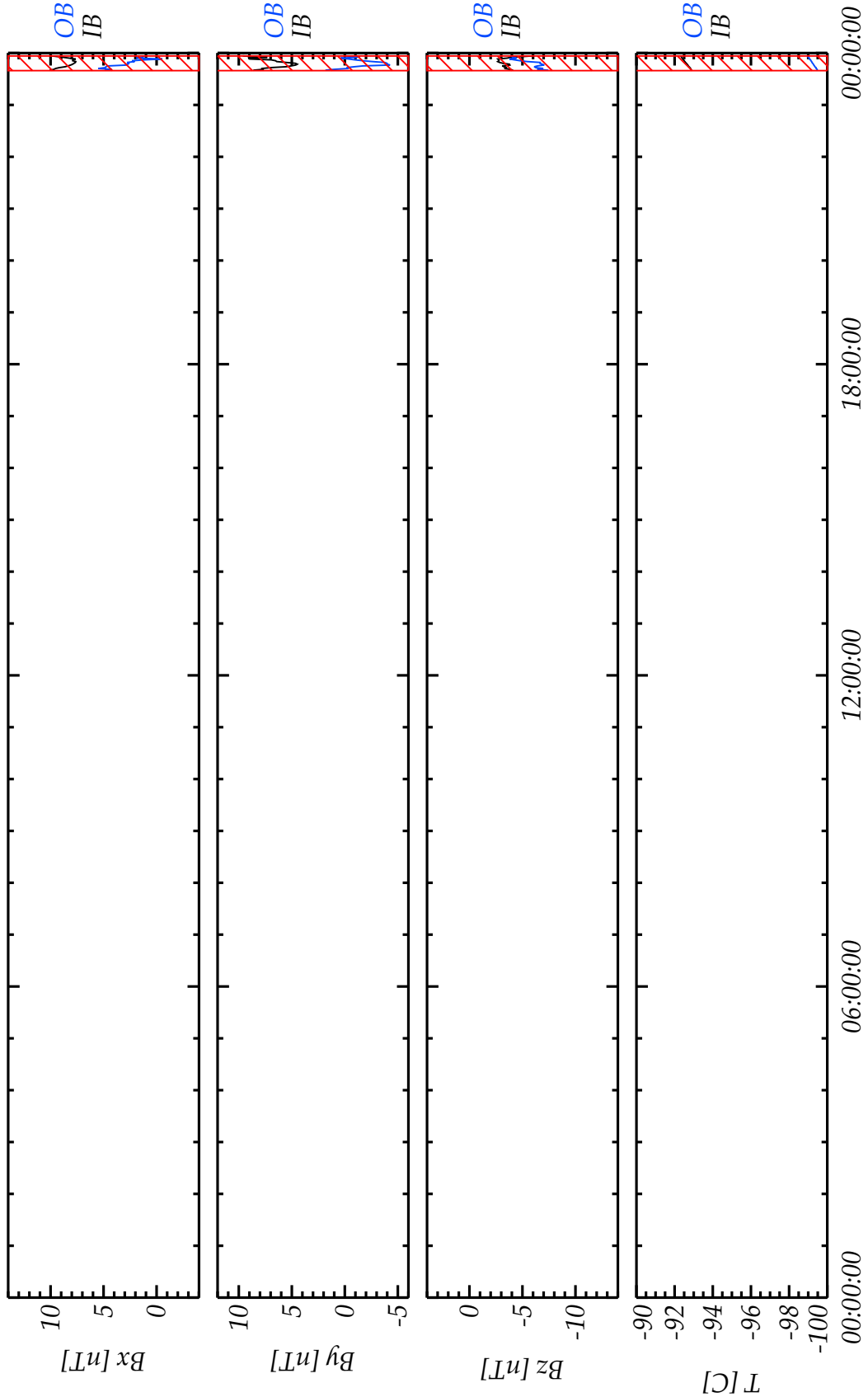
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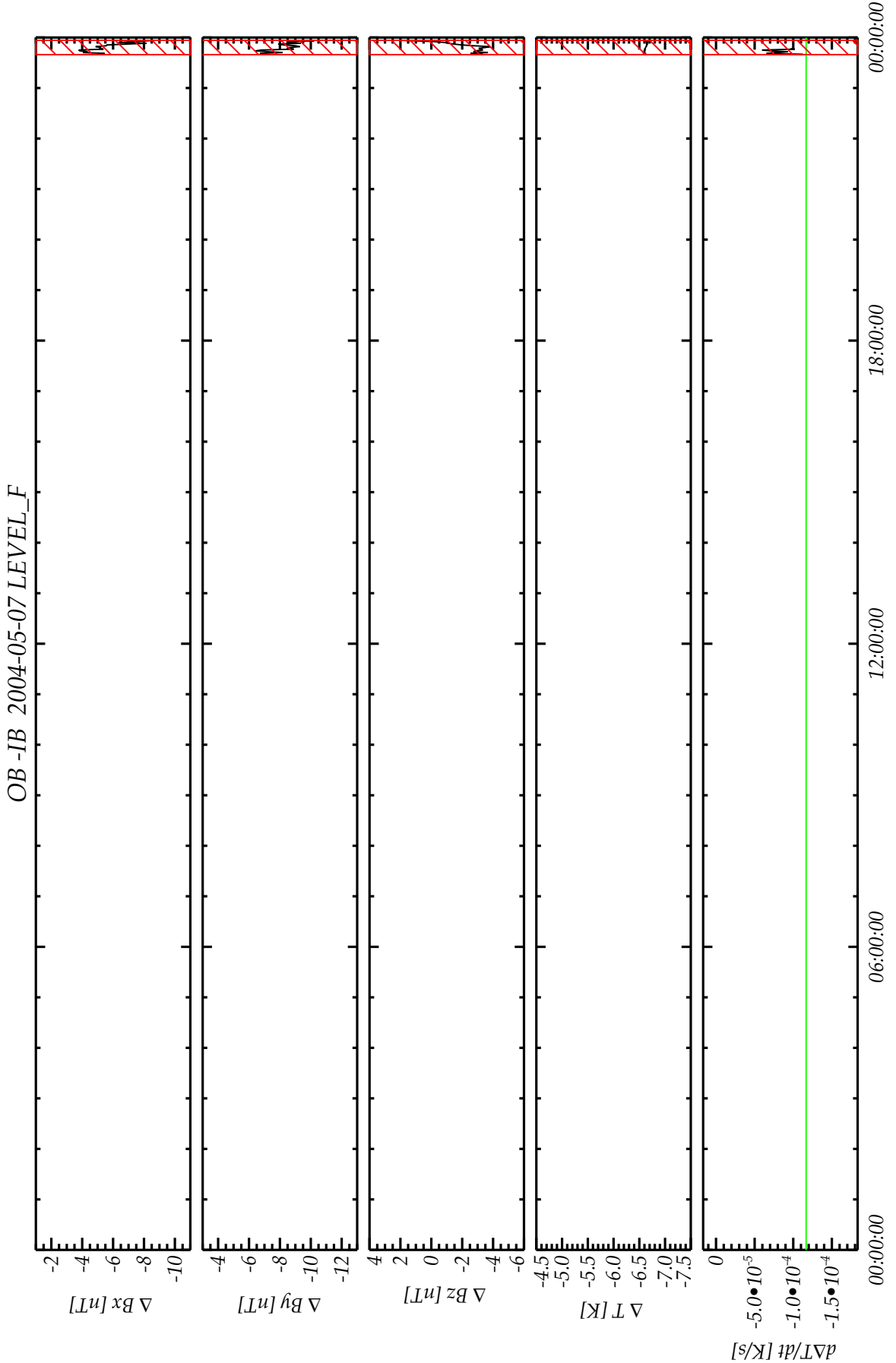
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DATE	LEVEL	AVERAGE [s]	SENSOR
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2004-05-07	CLG	1	IB
2004-05-07	CLE	1	IB
2004-05-07	CLF	1	OB
2004-05-07	CLE	1	OB
2004-05-08	CLF	1	OB
2004-05-08	CLG	1	OB
2004-05-08	CLE	1	OB
2004-05-08	CLG	1	IB
2004-05-08	CLF	1	IB
2004-05-08	CLE	1	IB
2004-05-09	CLE	1	OB
2004-05-09	CLF	1	IB
2004-05-09	CLE	1	IB
2004-05-09	CLG	1	OB
2004-05-09	CLG	1	IB
2004-05-09	CLF	1	OB
2004-05-10	CLF	1	OB
2004-05-10	CLE	1	OB
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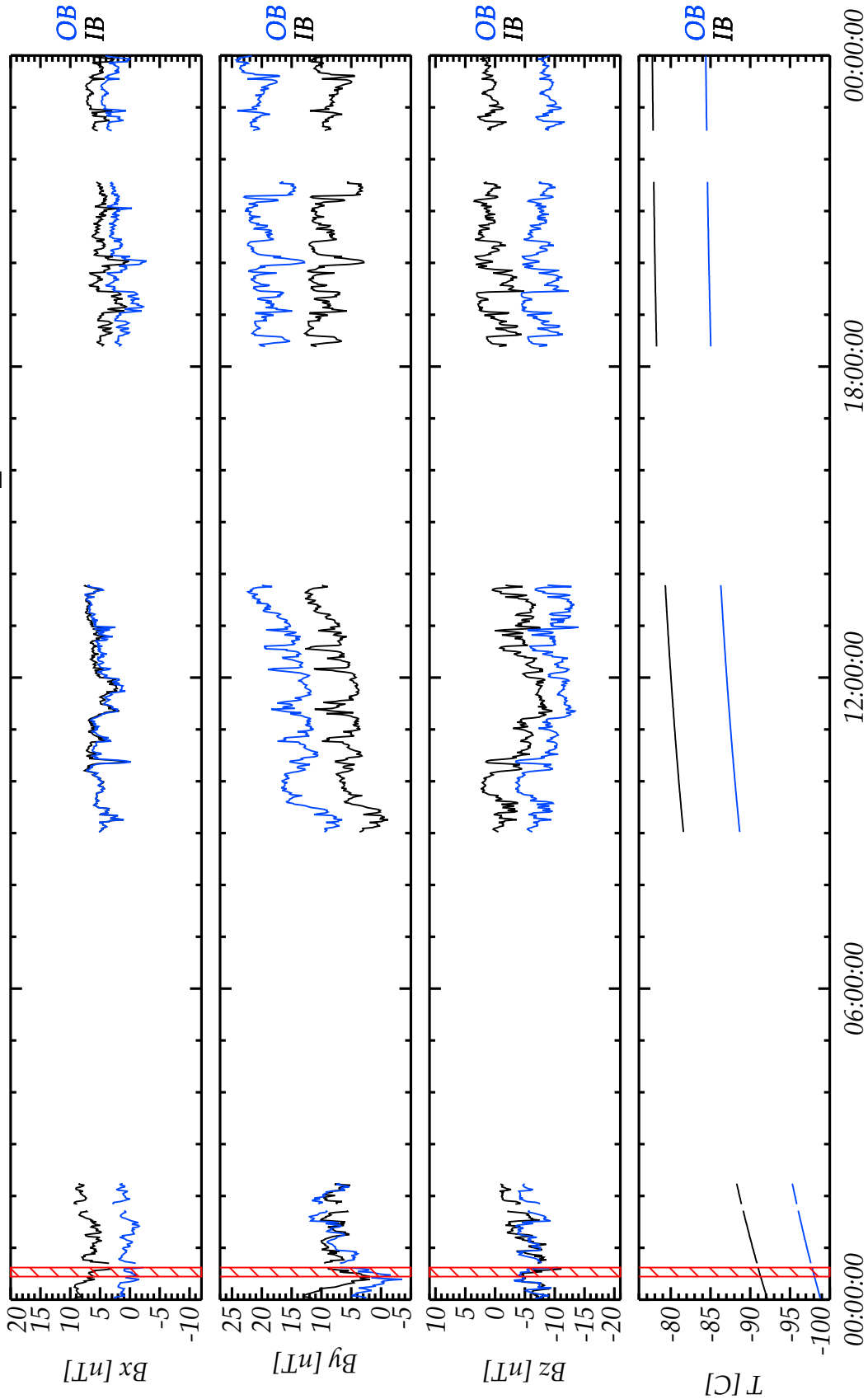
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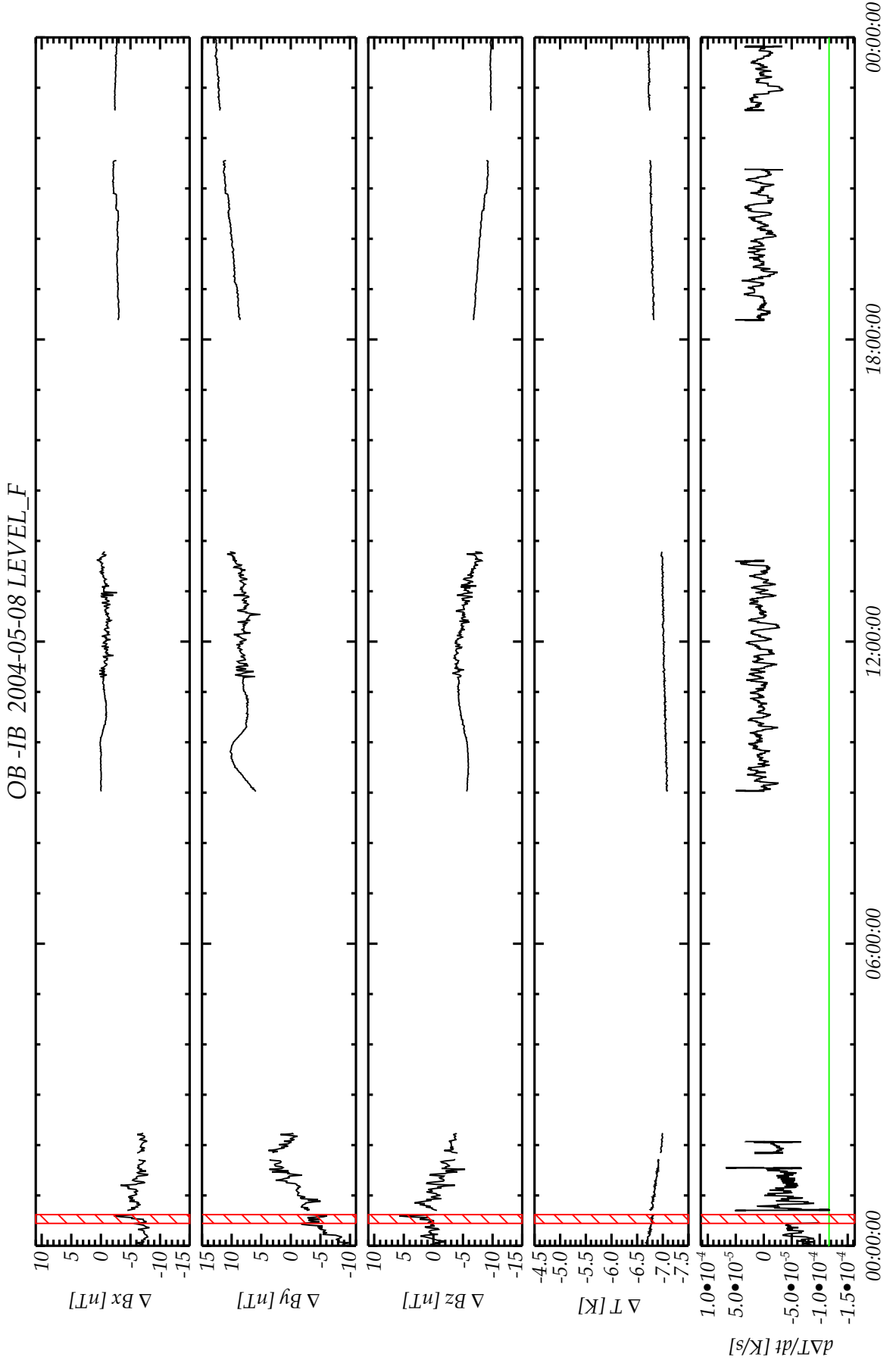




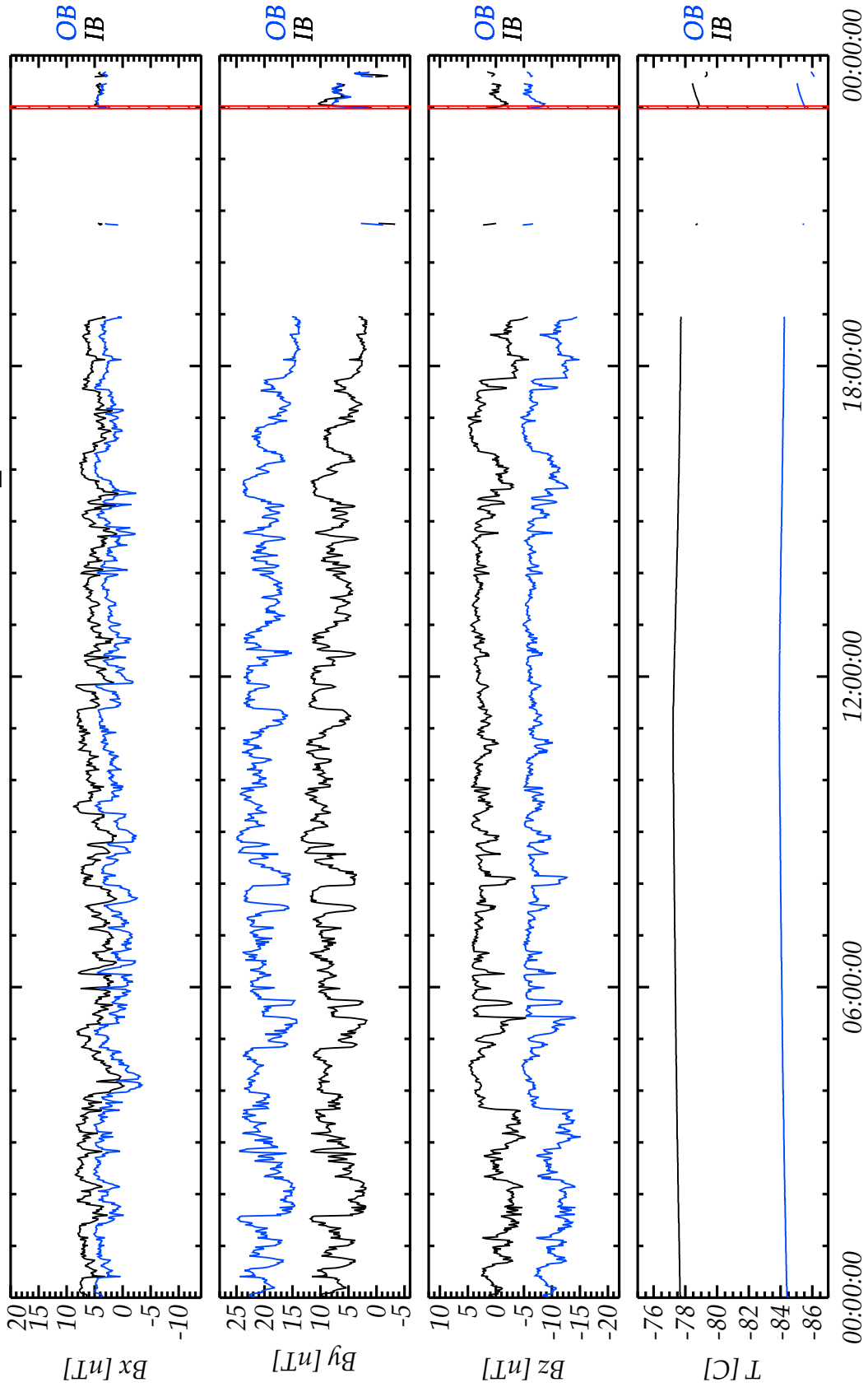


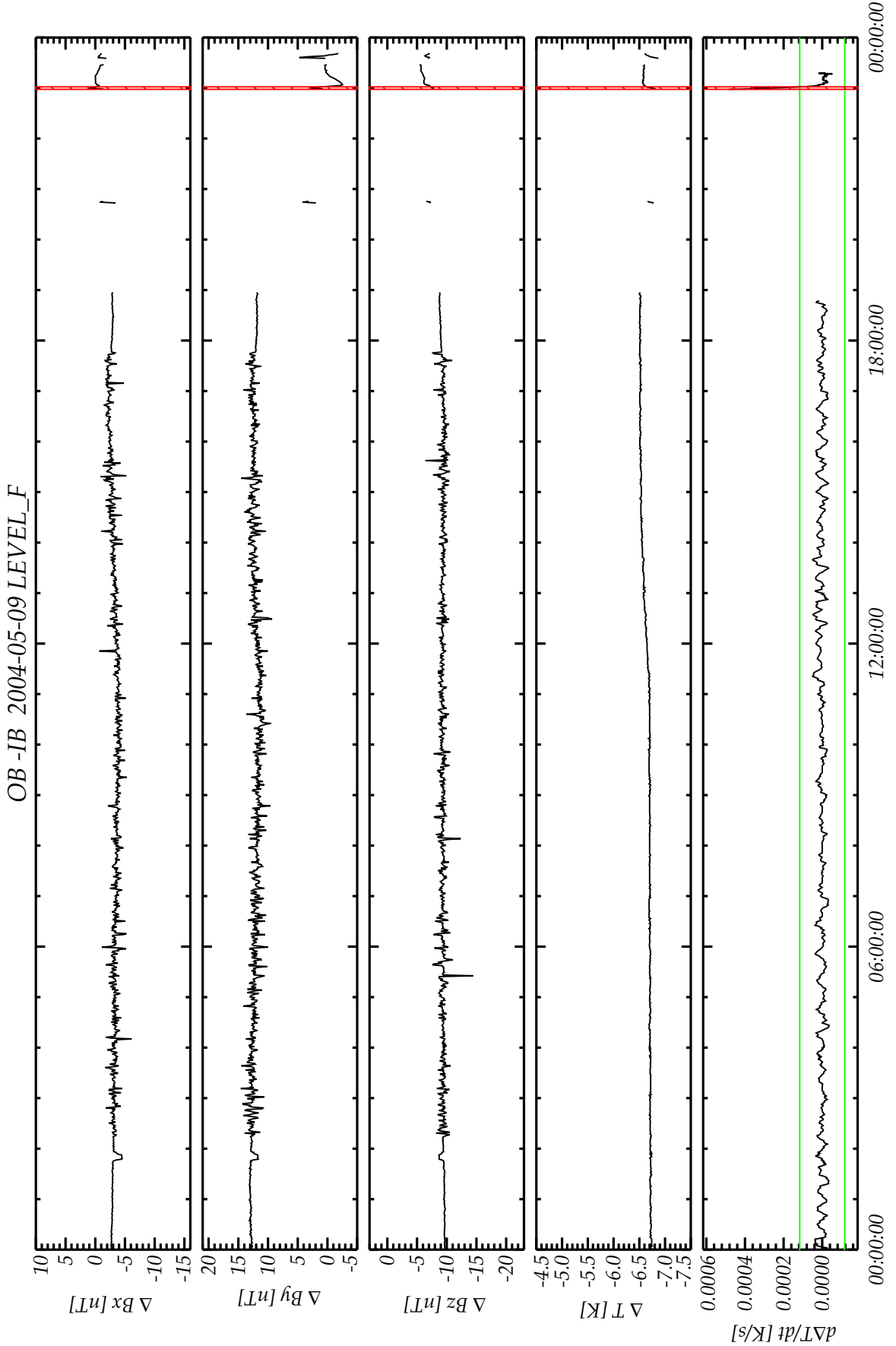
OB vs. IB 2004-05-08 LEVEL\_F





OB vs. IB 2004-05-09 LEVEL\_F





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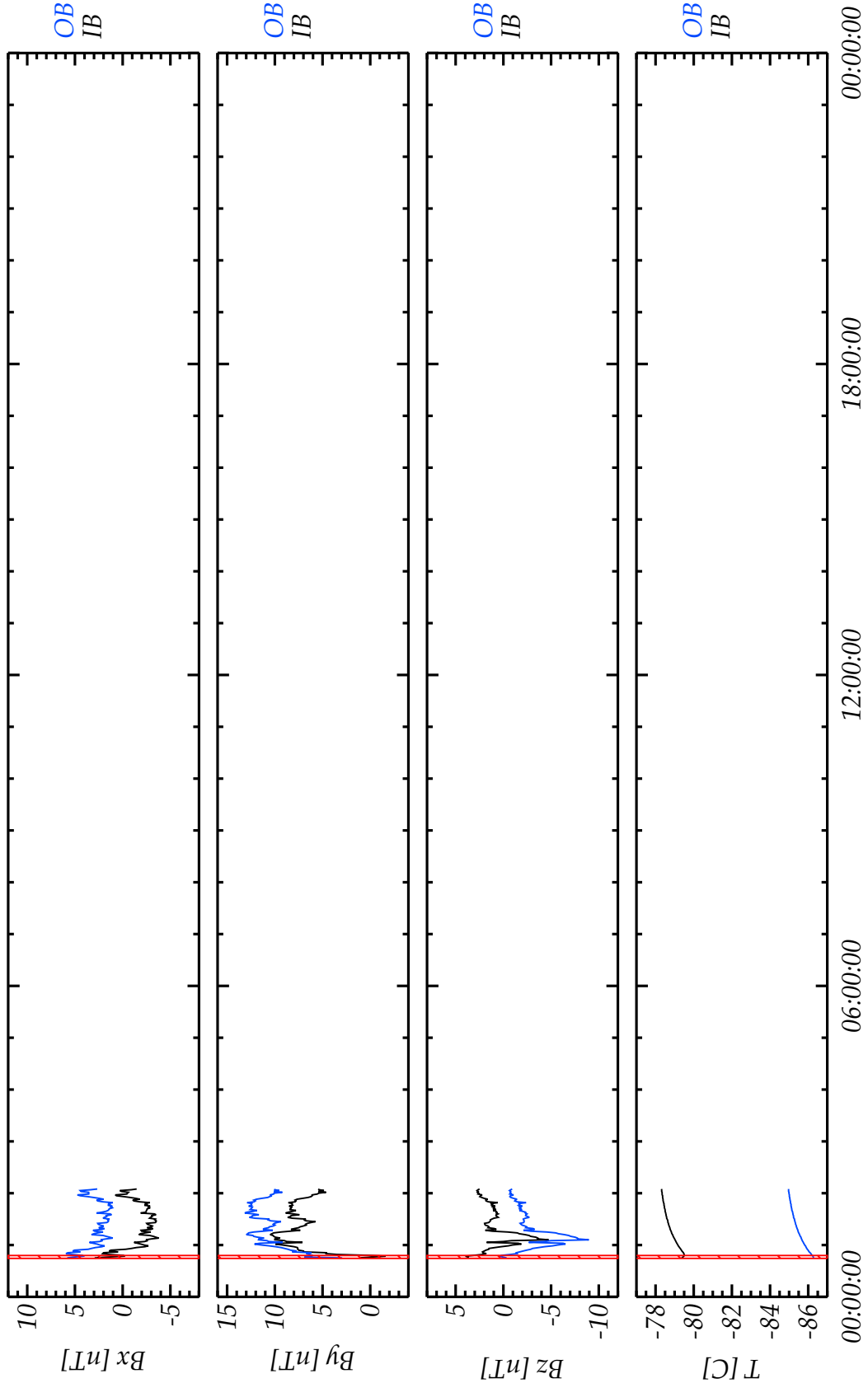
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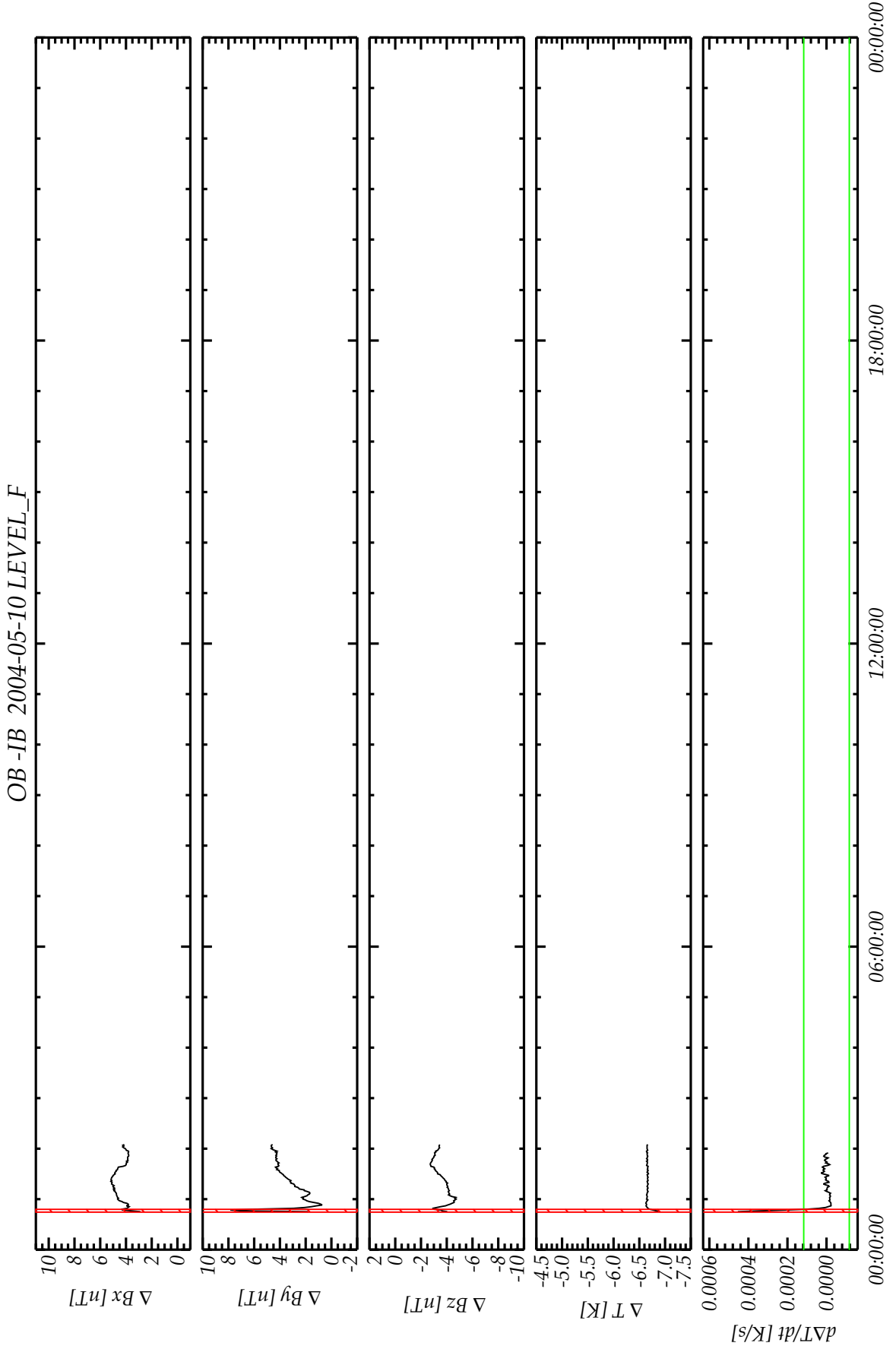
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*OB vs. IB 2004-05-10 LEVEL\_F*





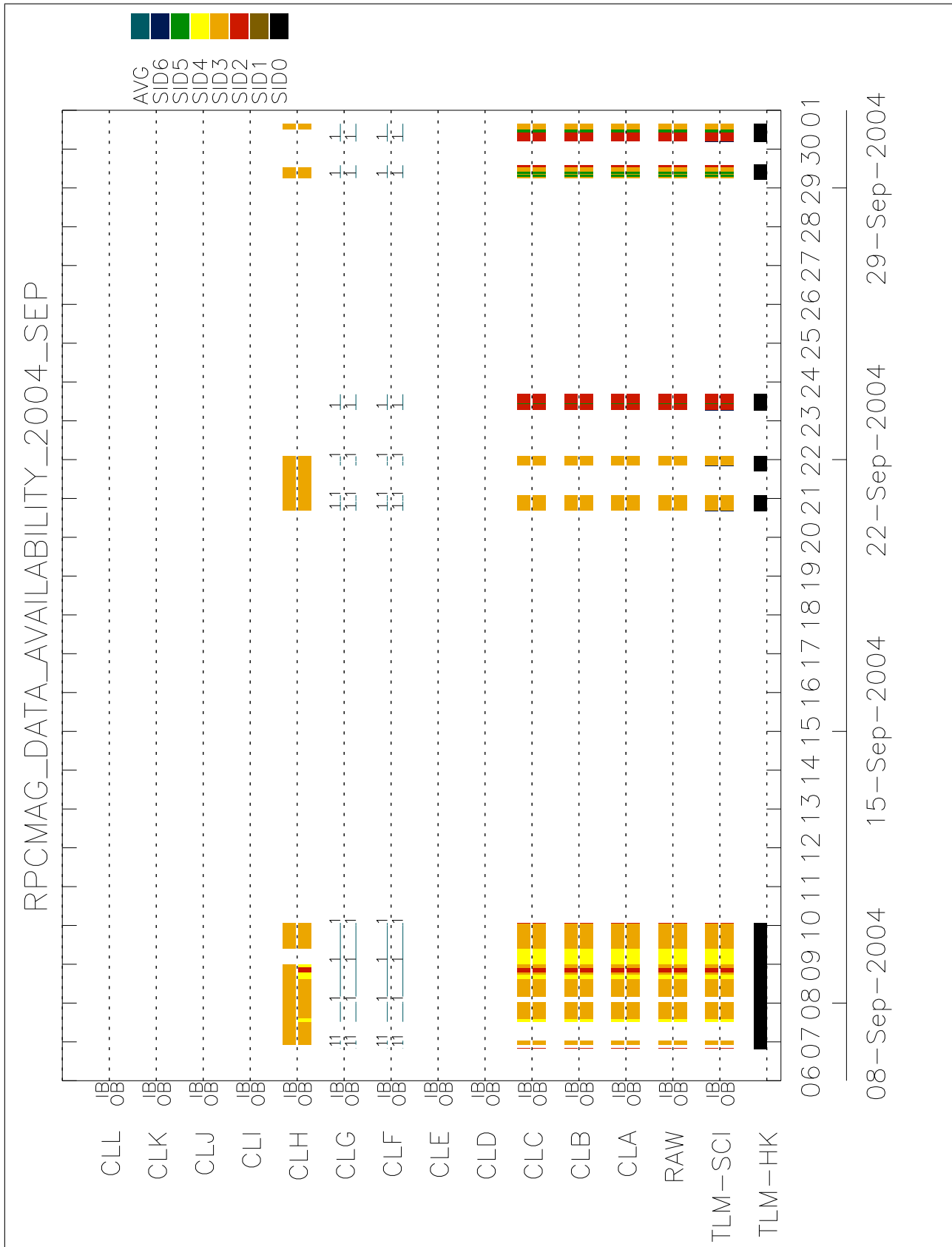


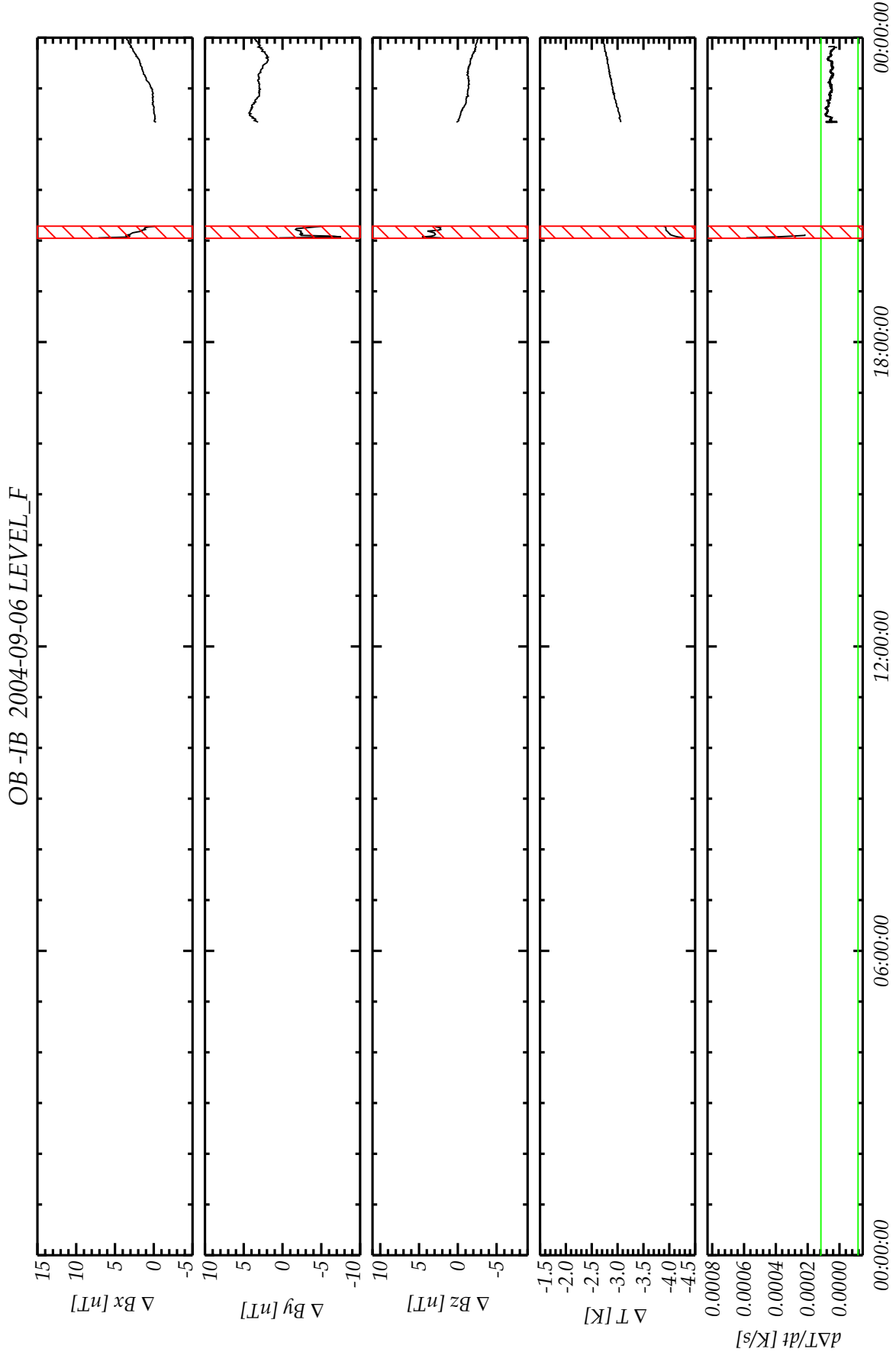
Figure 4: Overview September 2004

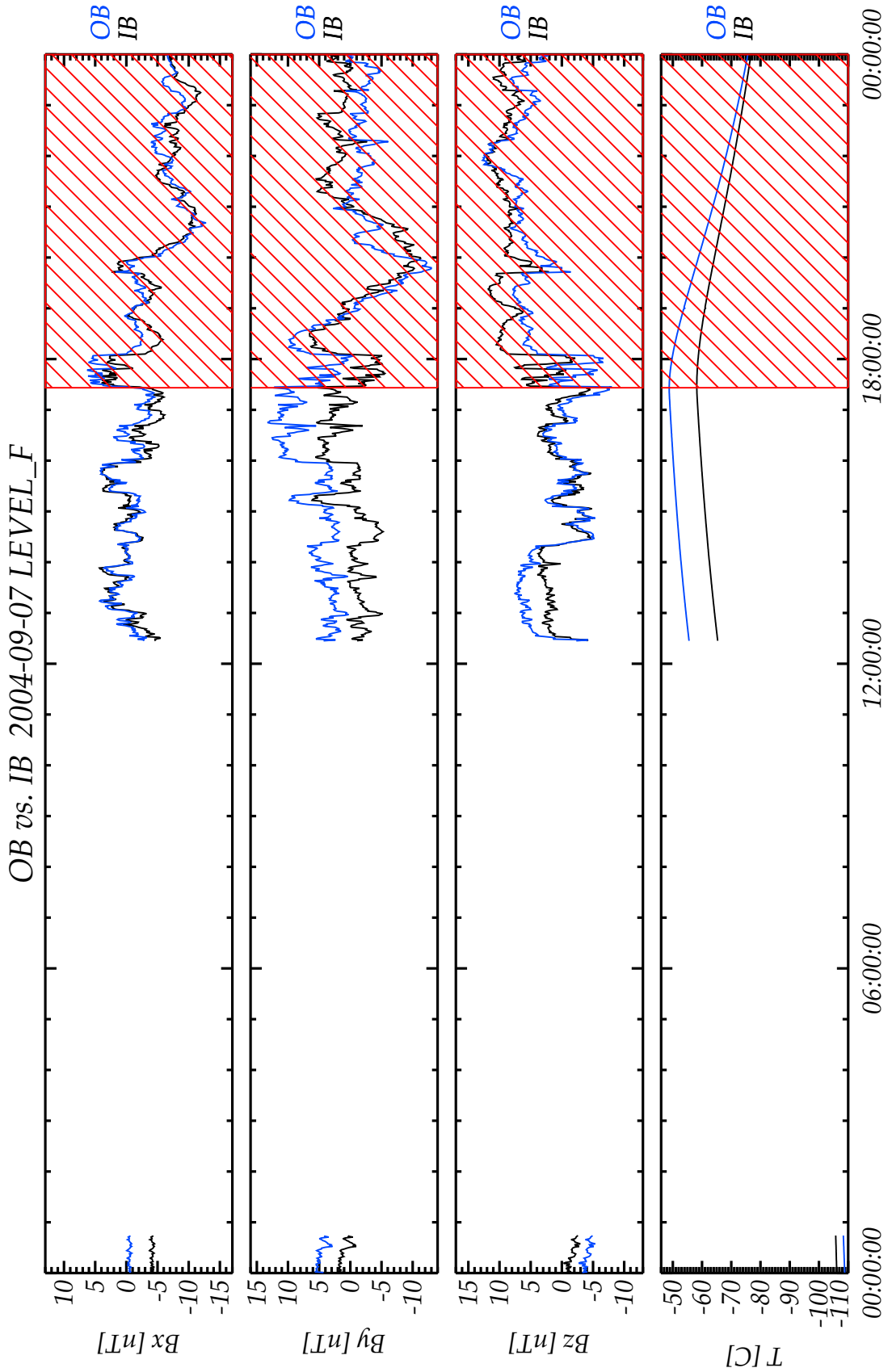


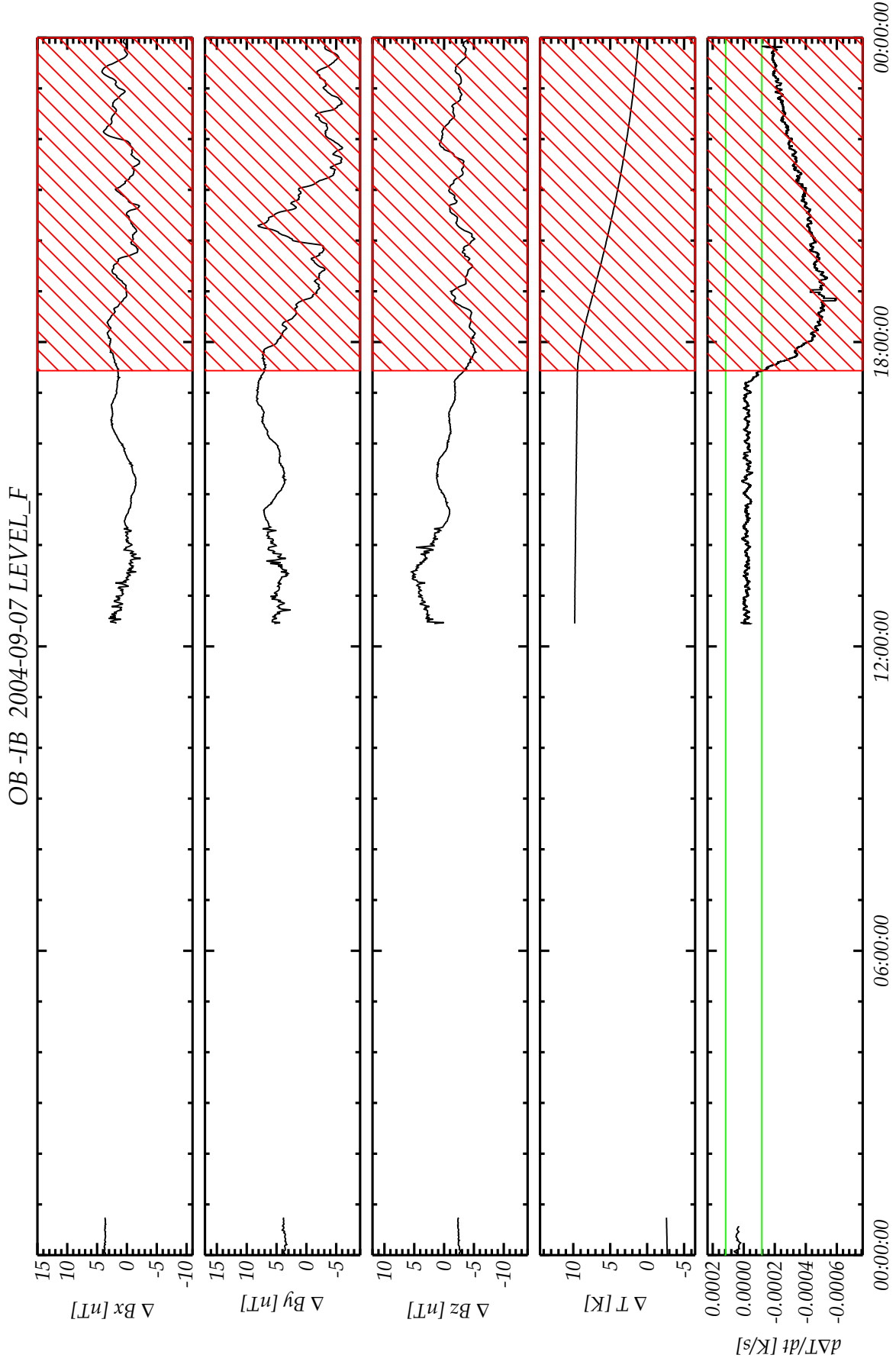
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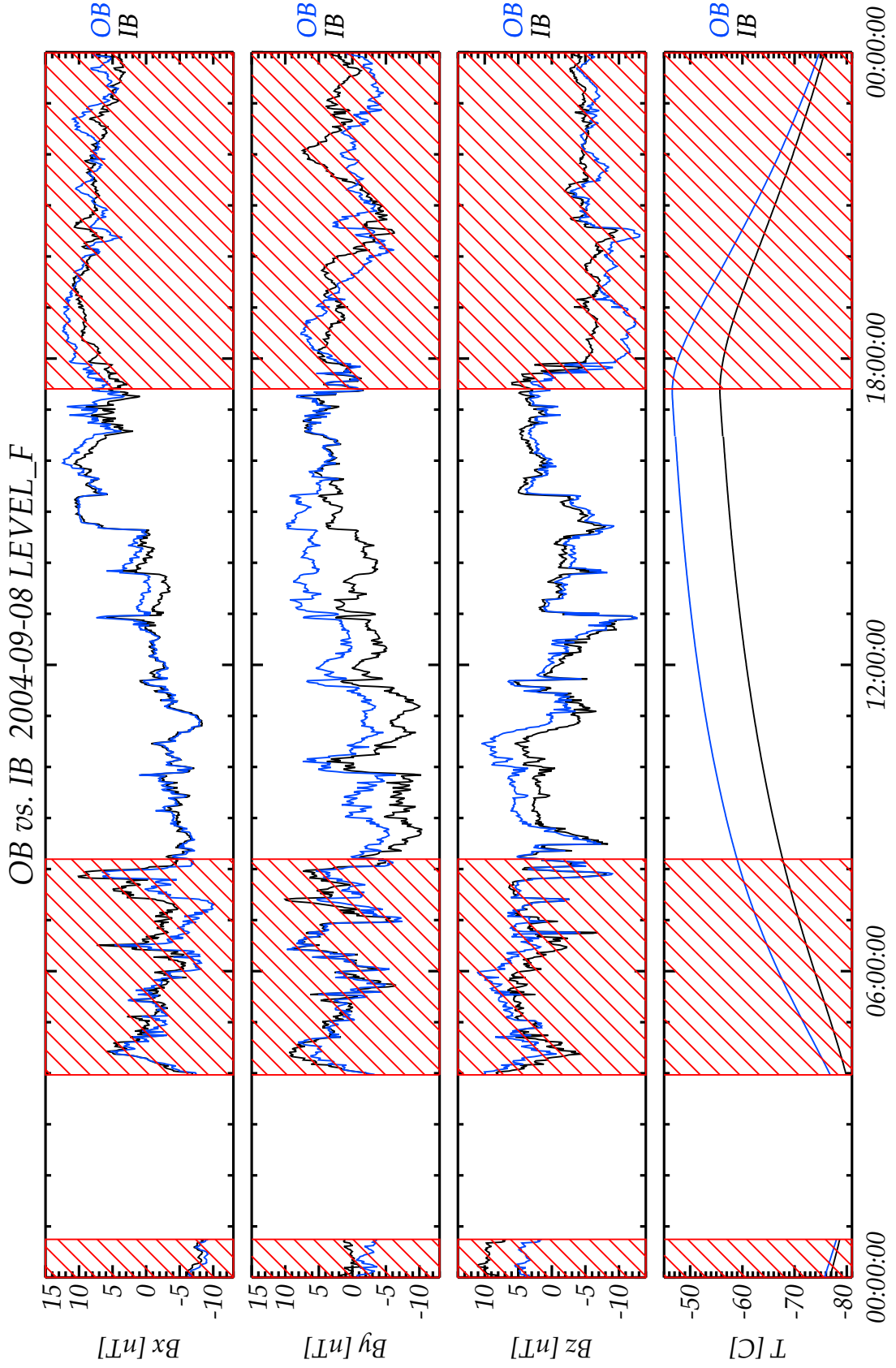
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2004-09-07	CLG	1	IB
2004-09-07	CLF	1	IB
2004-09-08	CLG	1	IB
2004-09-08	CLF	1	IB
2004-09-08	CLG	1	OB
2004-09-08	CLF	1	OB
2004-09-09	CLG	1	OB
2004-09-09	CLF	1	OB
2004-09-09	CLF	1	IB
2004-09-09	CLG	1	IB
2004-09-10	CLG	1	OB
2004-09-10	CLF	1	OB
2004-09-10	CLG	1	IB
2004-09-10	CLF	1	IB
2004-09-20	CLF	1	IB
2004-09-20	CLG	1	IB
2004-09-20	CLF	1	OB
2004-09-20	CLG	1	OB
2004-09-21	CLF	1	OB
2004-09-21	CLG	1	OB
2004-09-21	CLG	1	IB
2004-09-21	CLF	1	IB
2004-09-22	CLF	1	OB
2004-09-22	CLG	1	OB
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2004-09-23	CLF	1	OB
2004-09-23	CLG	1	OB
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2004-09-23	CLG	1	IB
2004-09-29	CLG	1	OB
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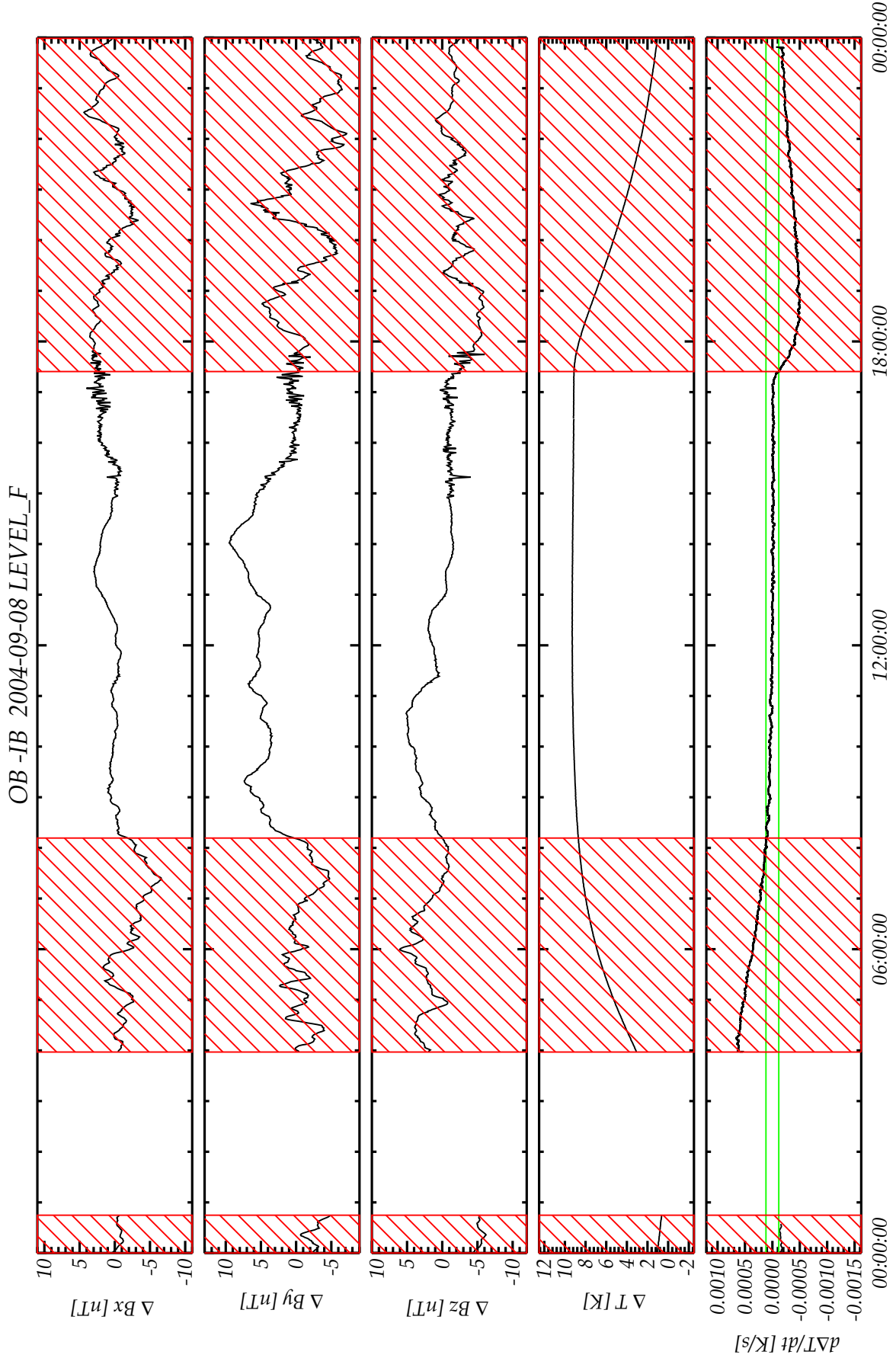




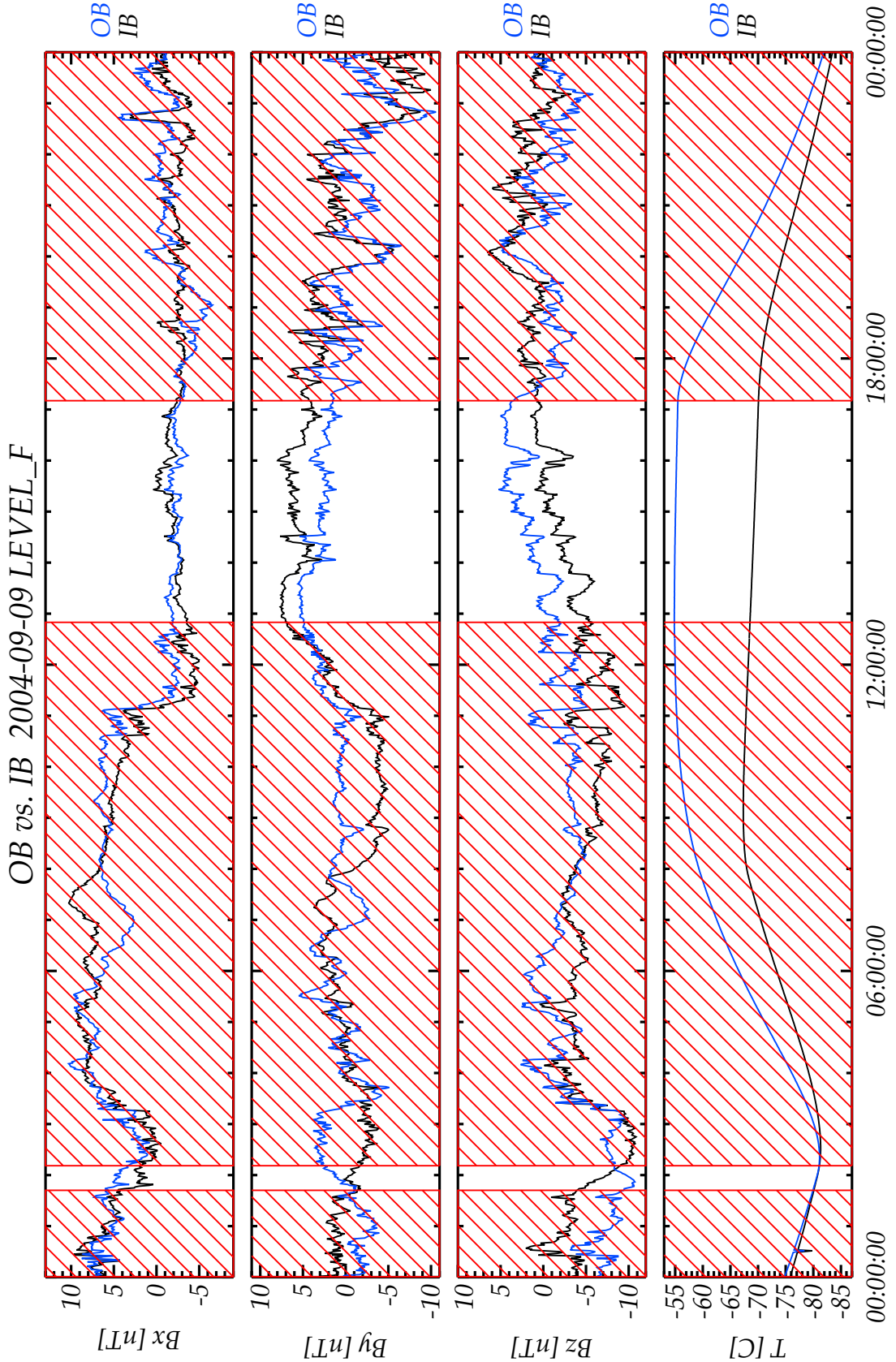


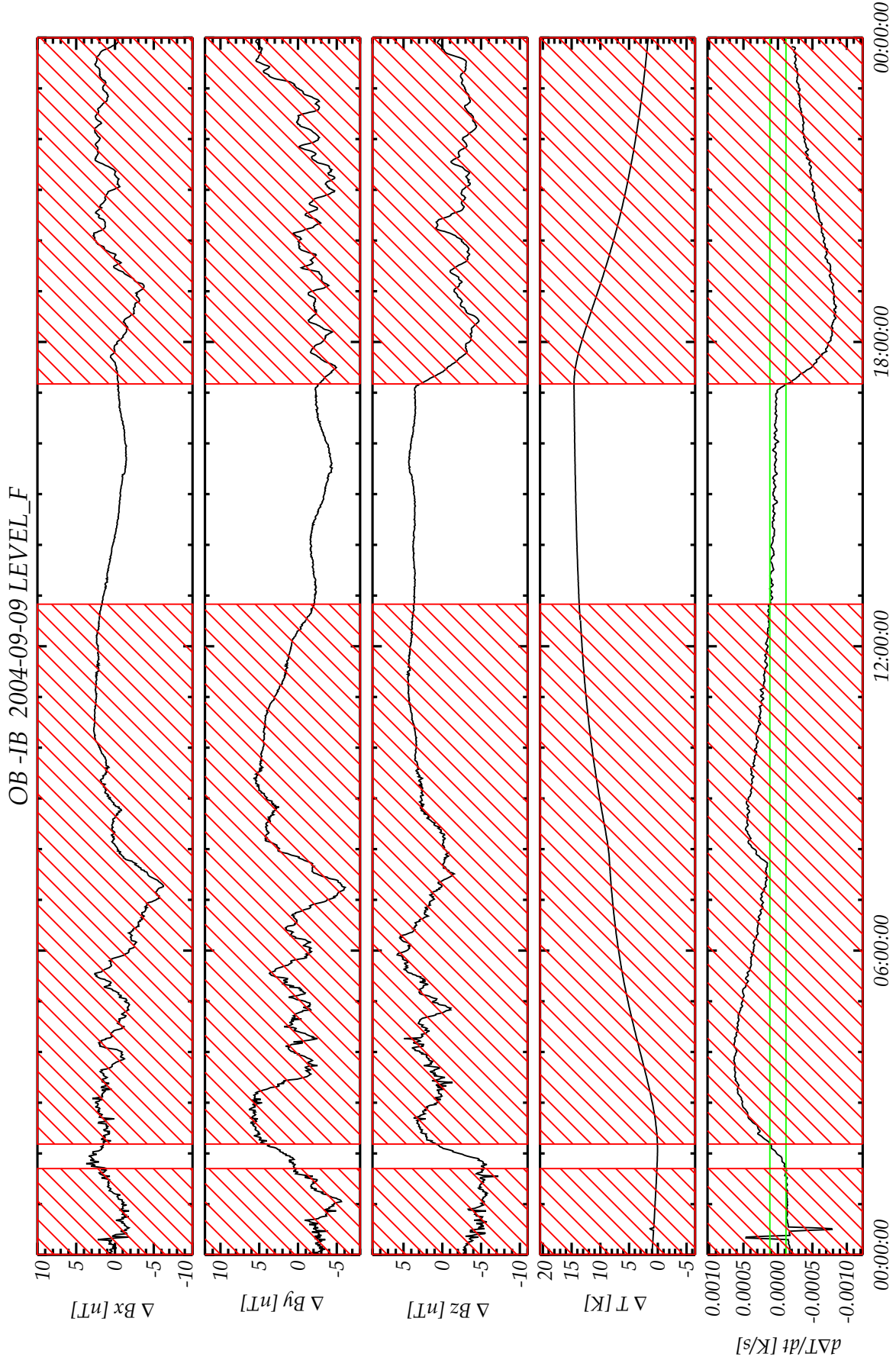


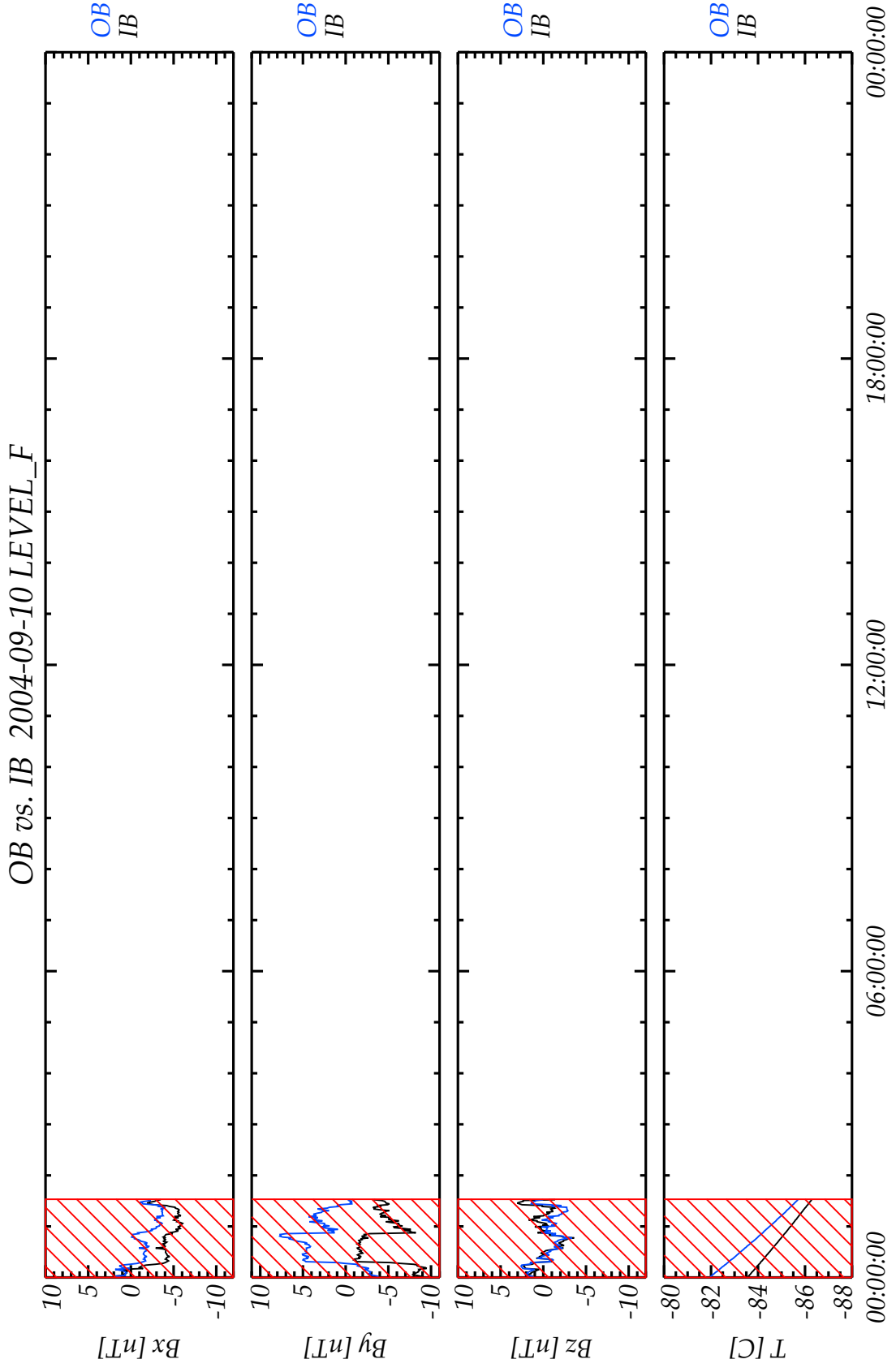


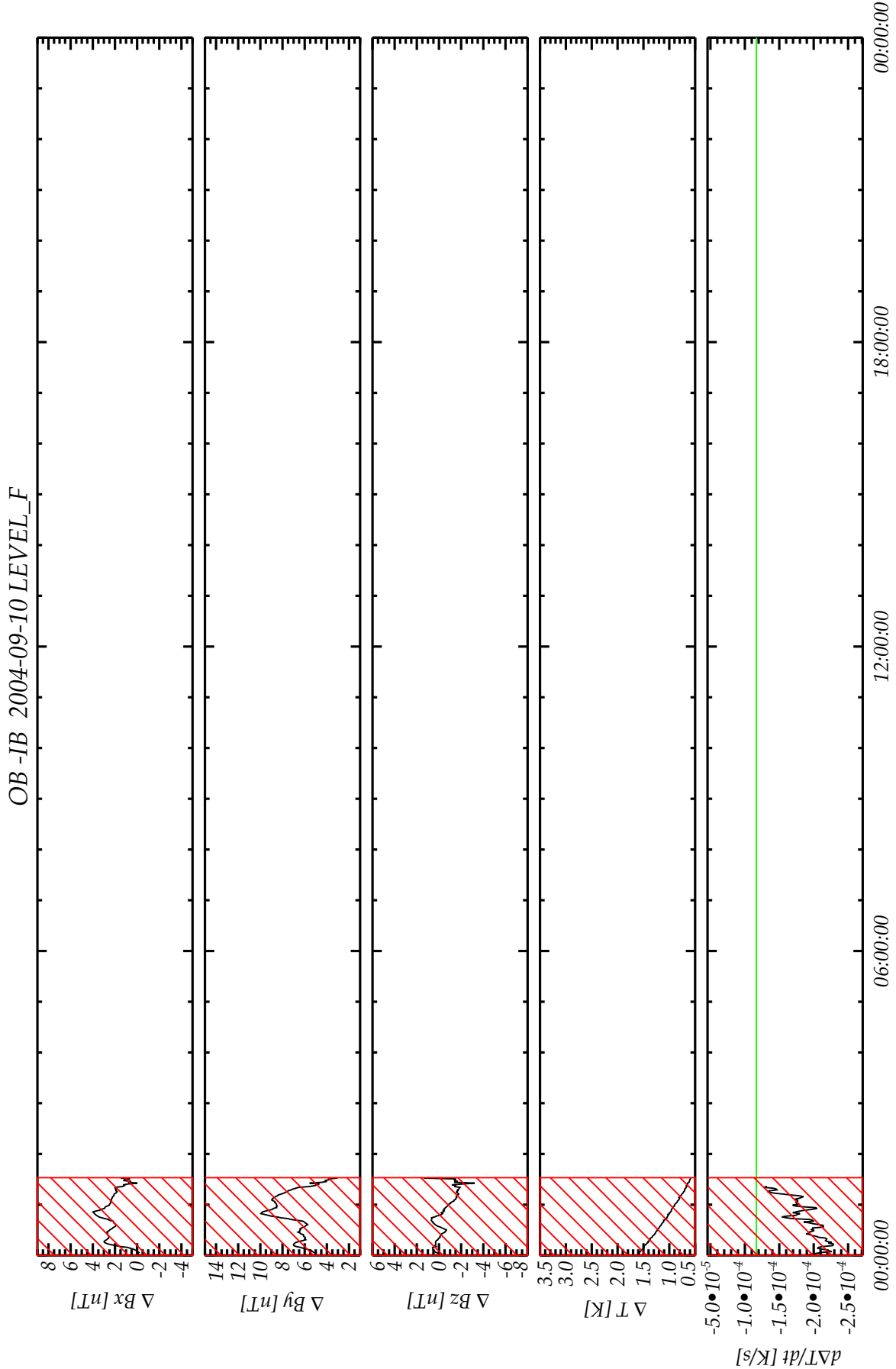


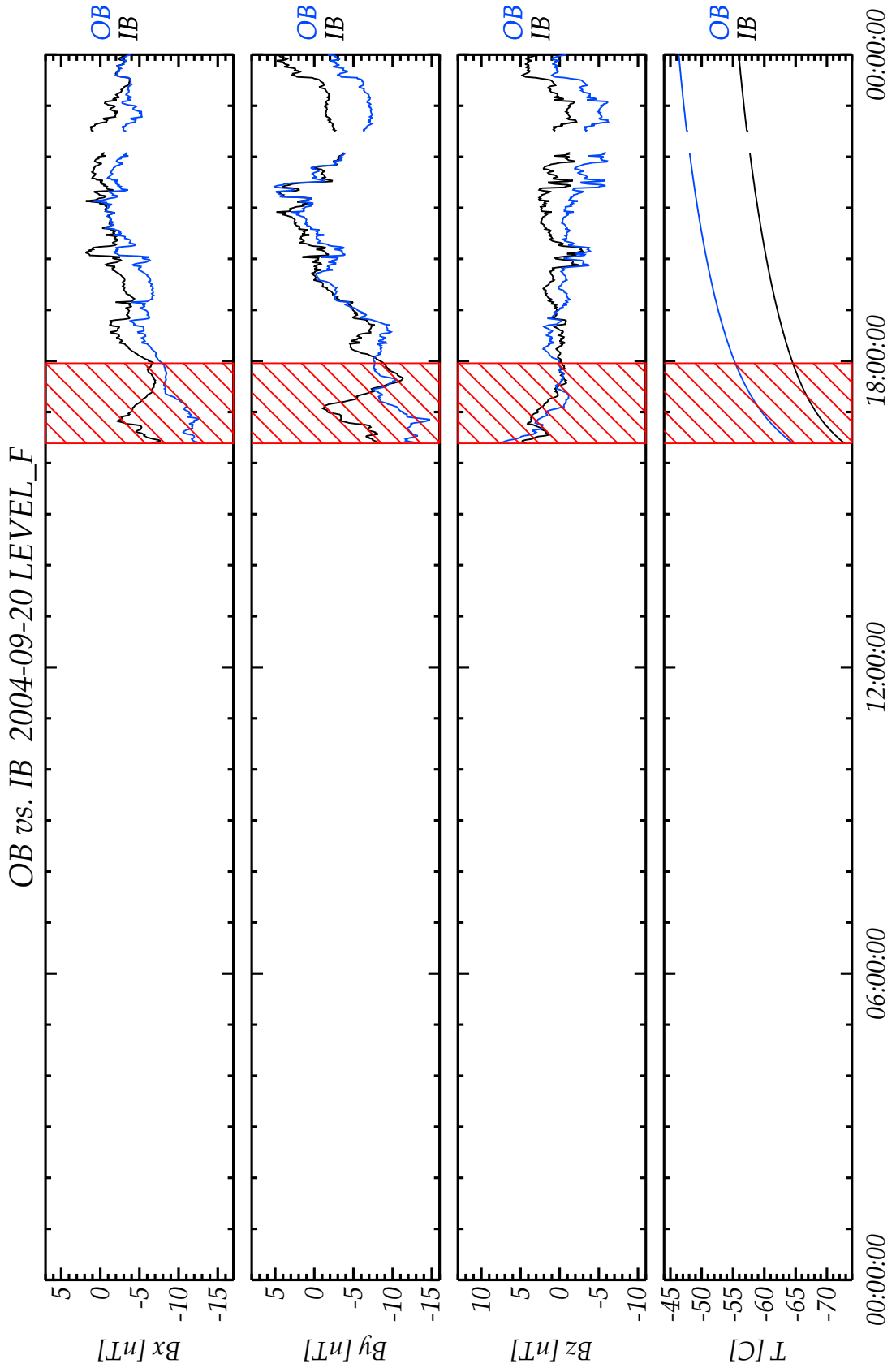


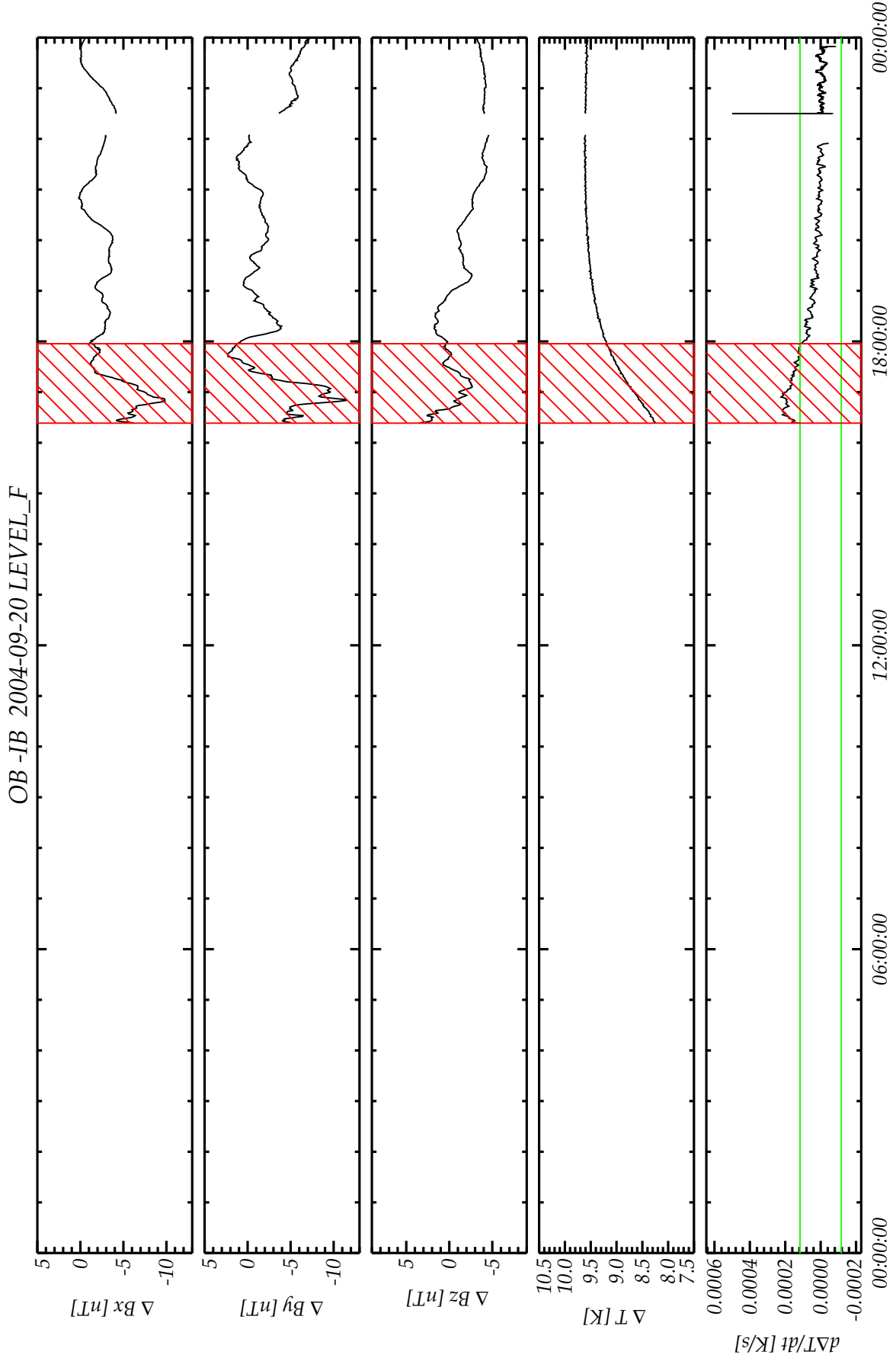


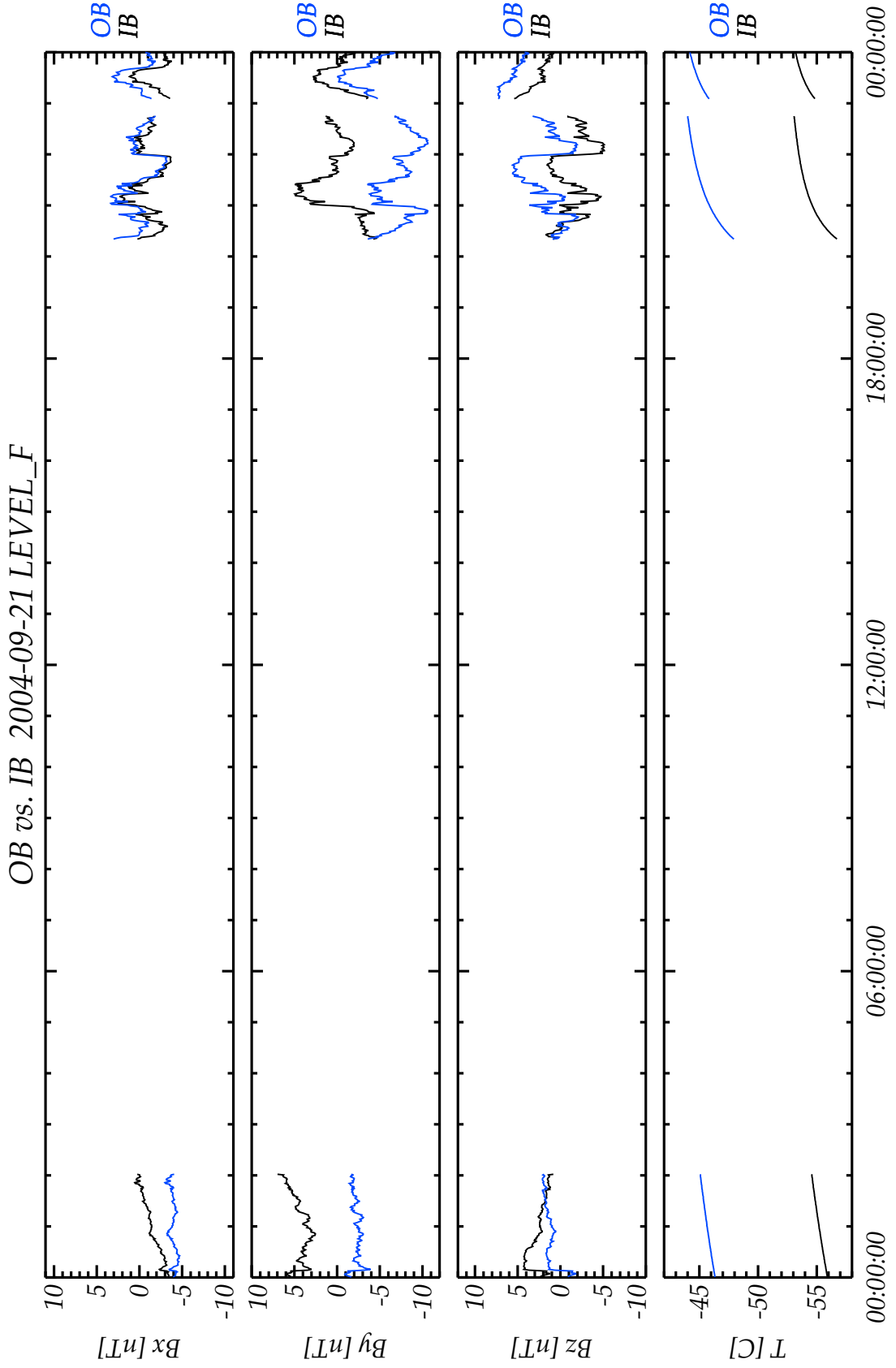




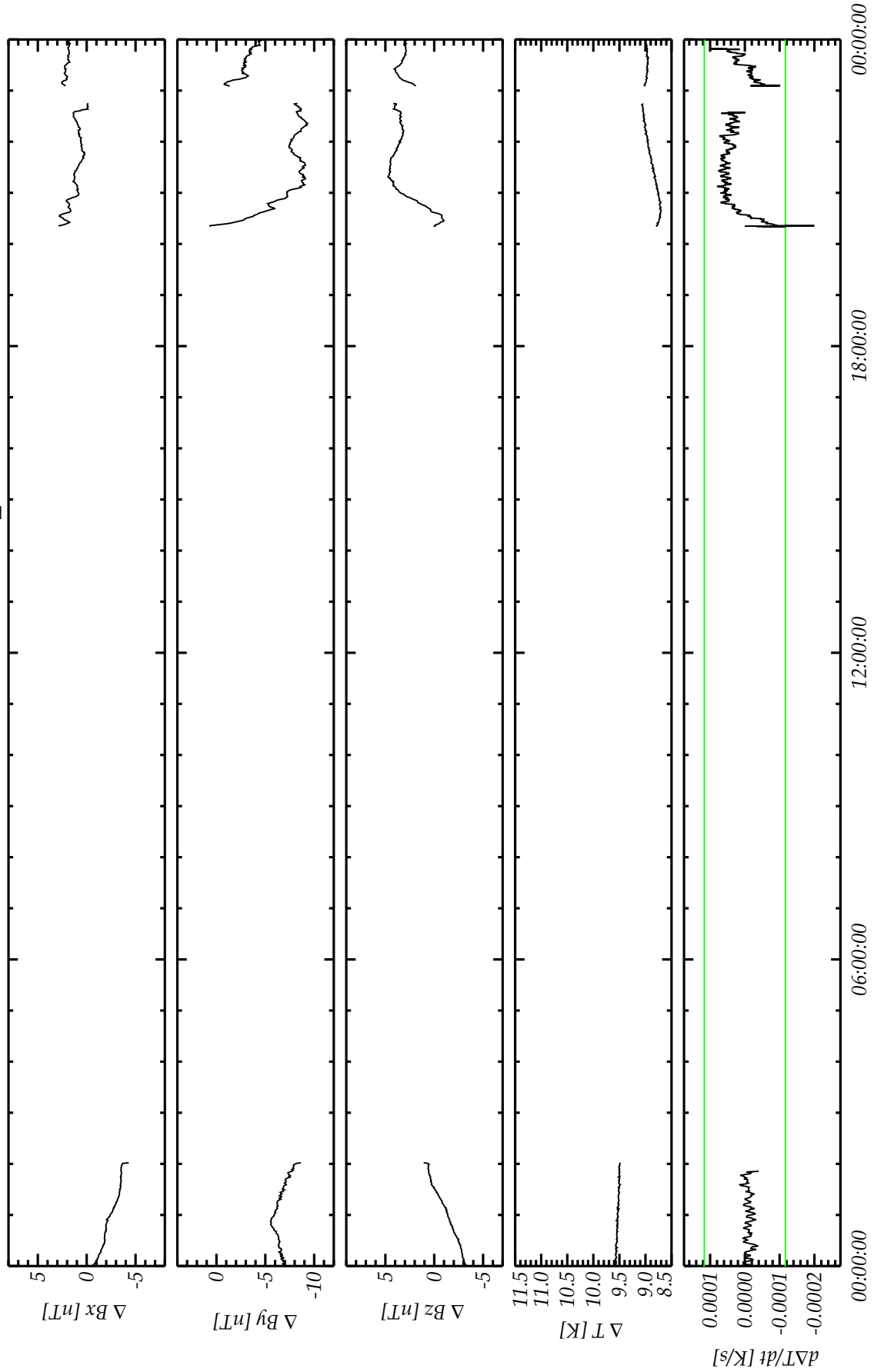




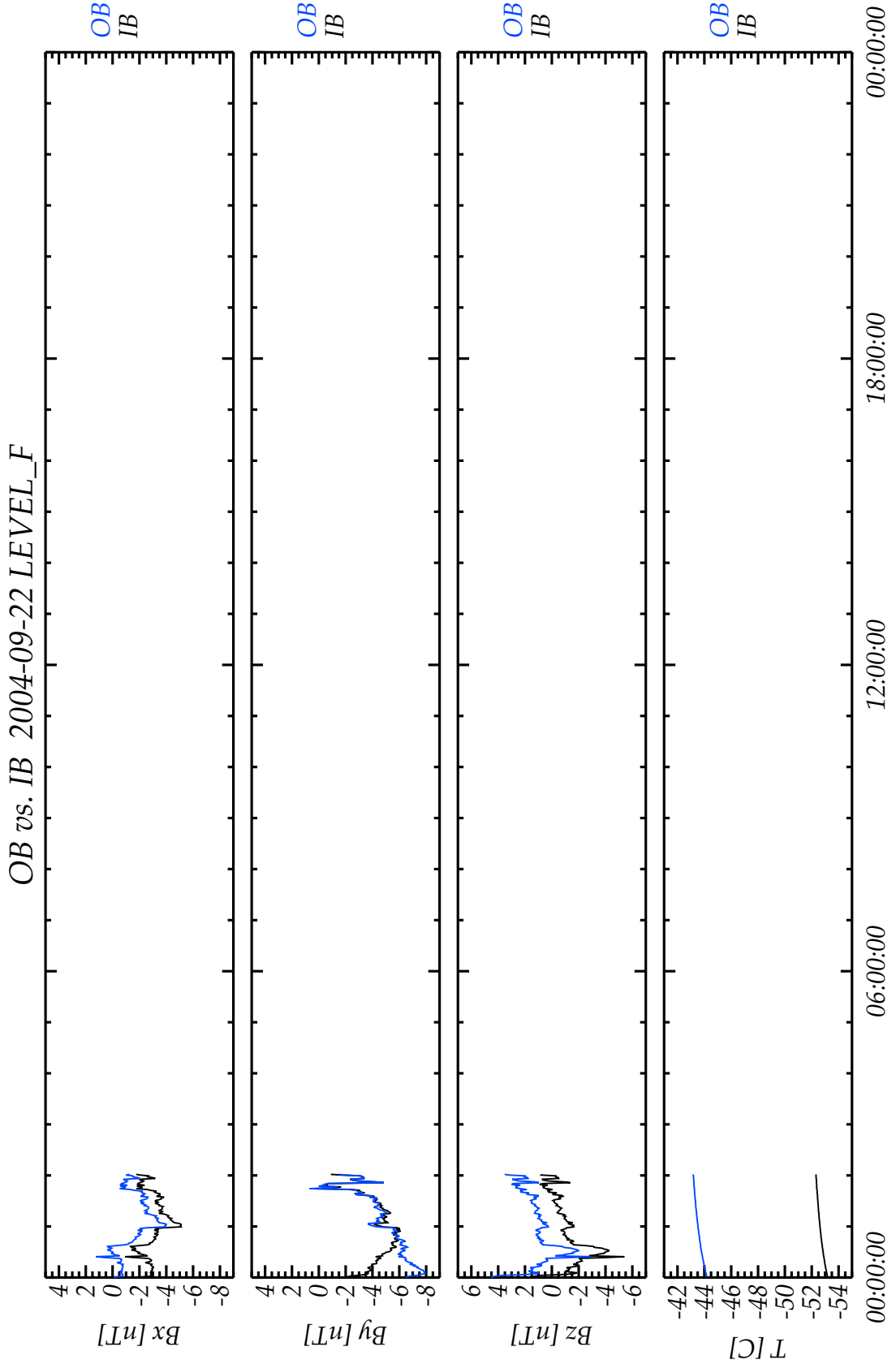


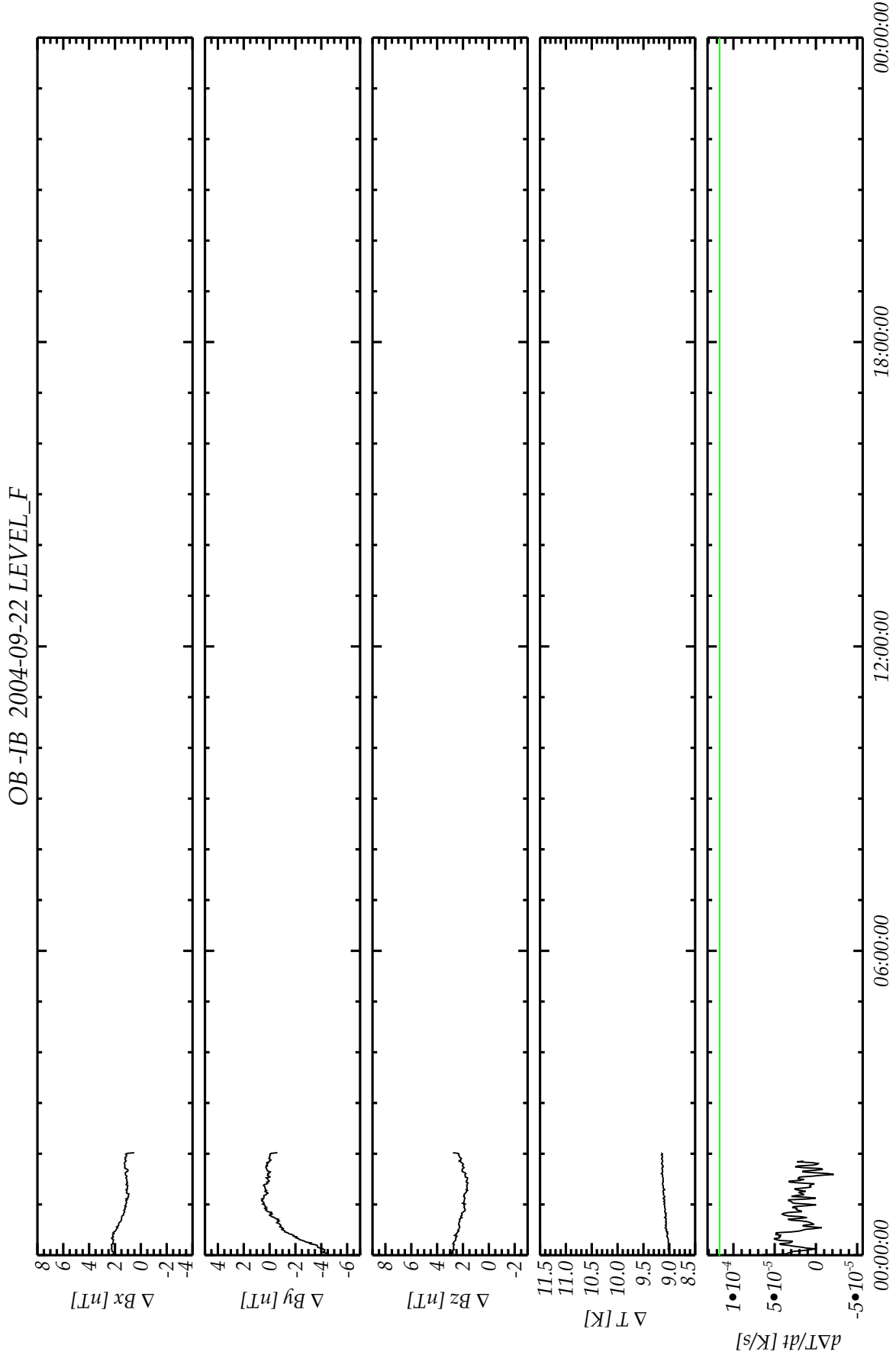


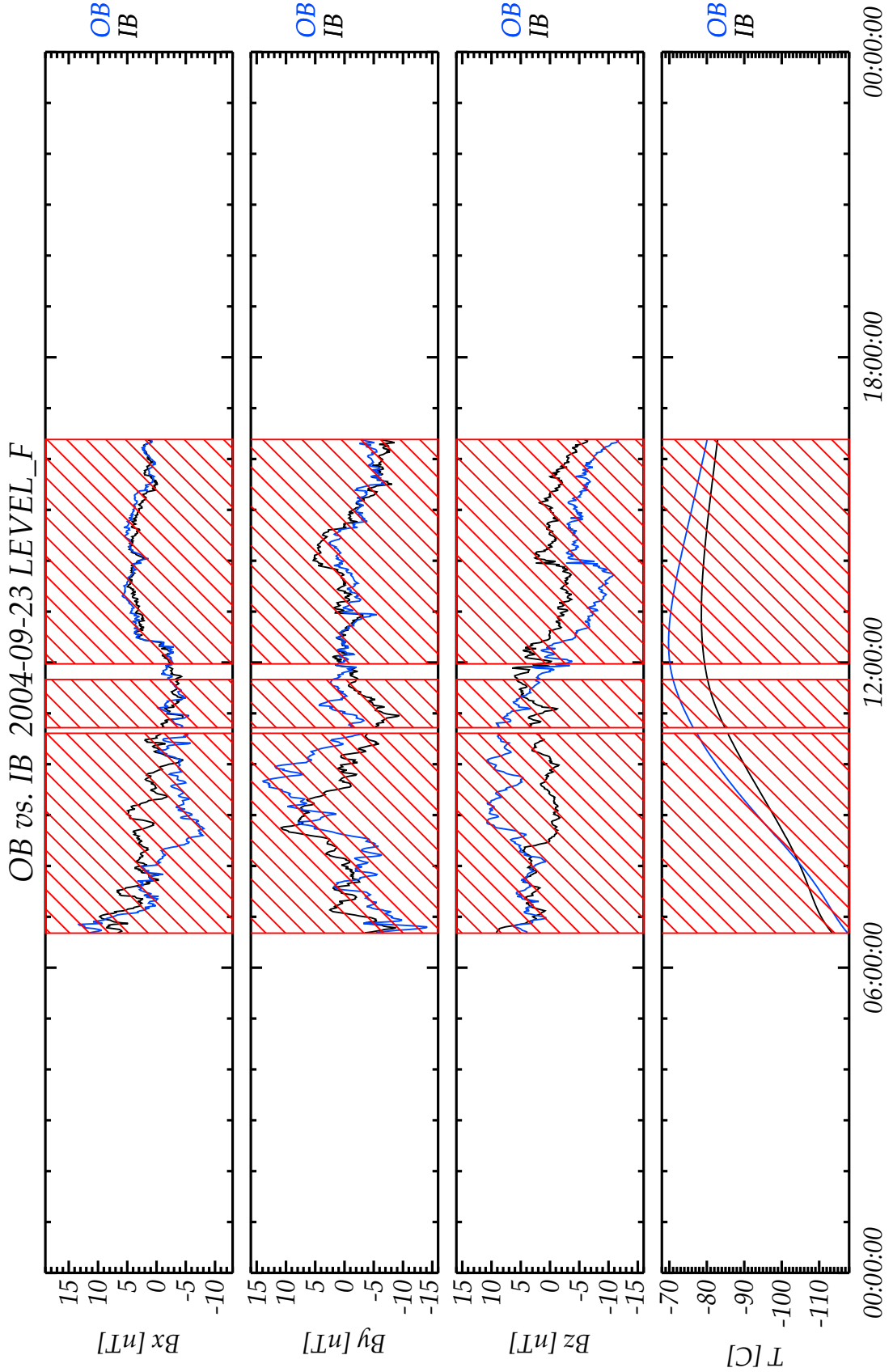
OB-IB 2004-09-21 LEVEL\_F

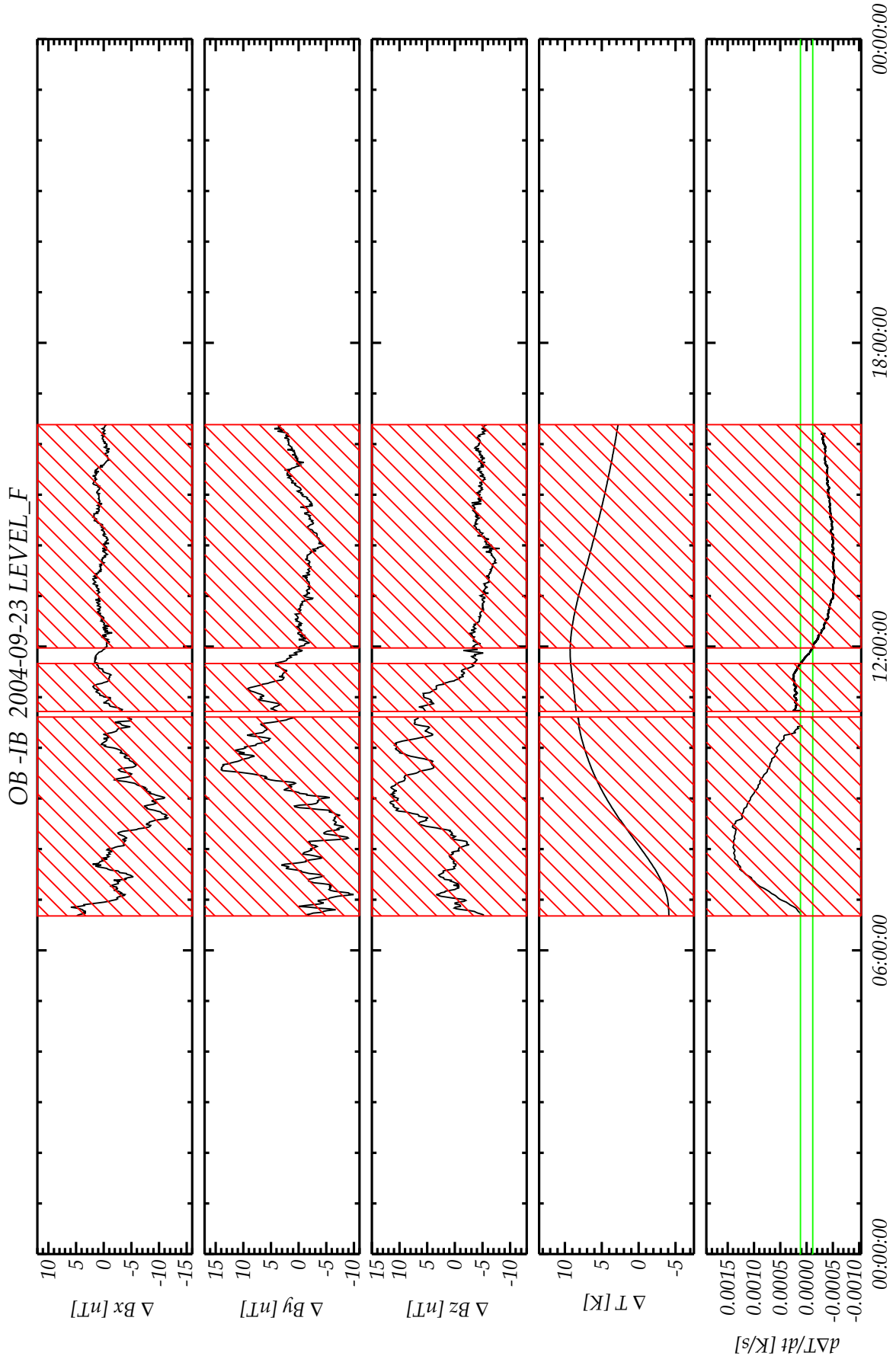


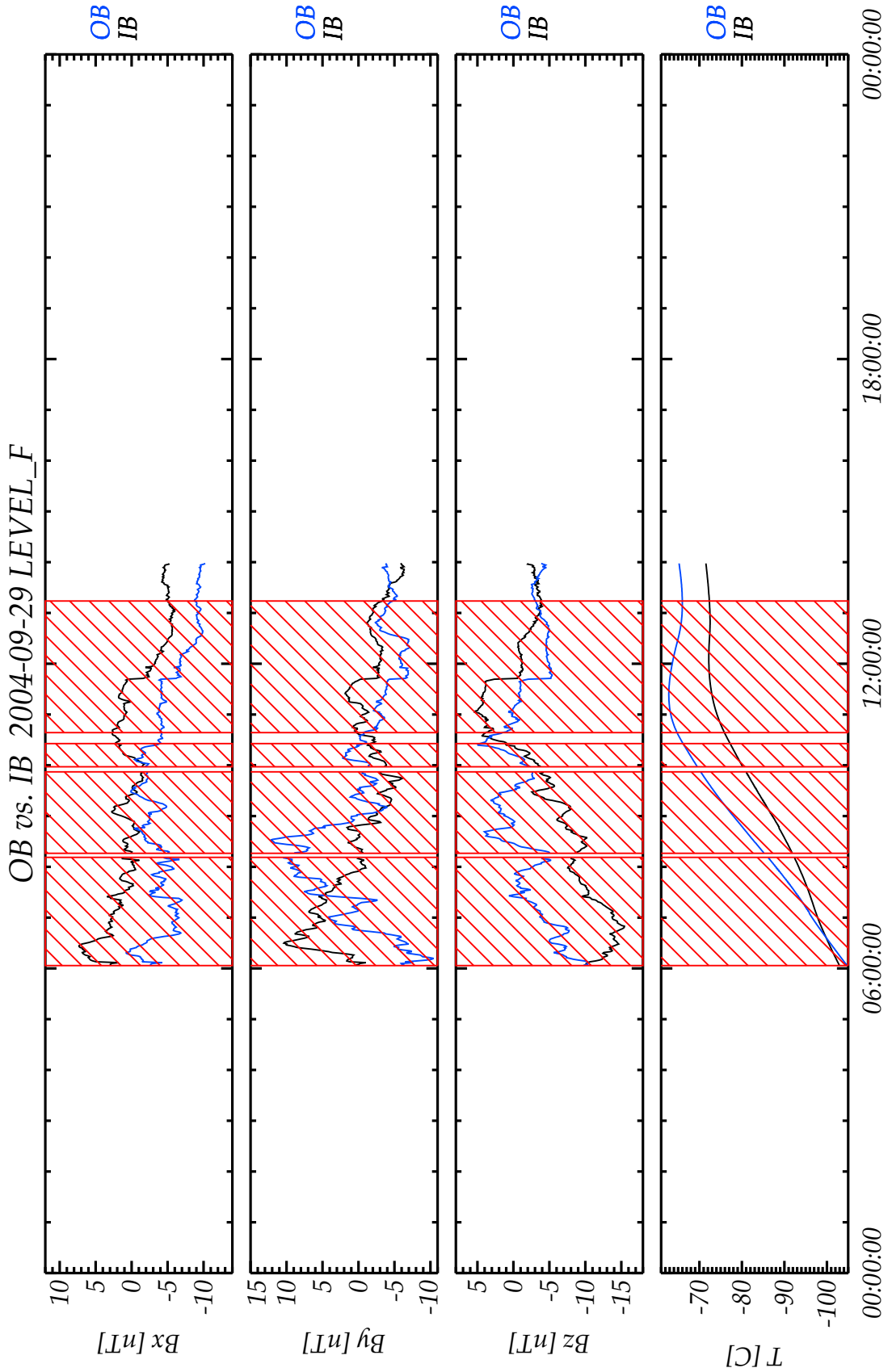


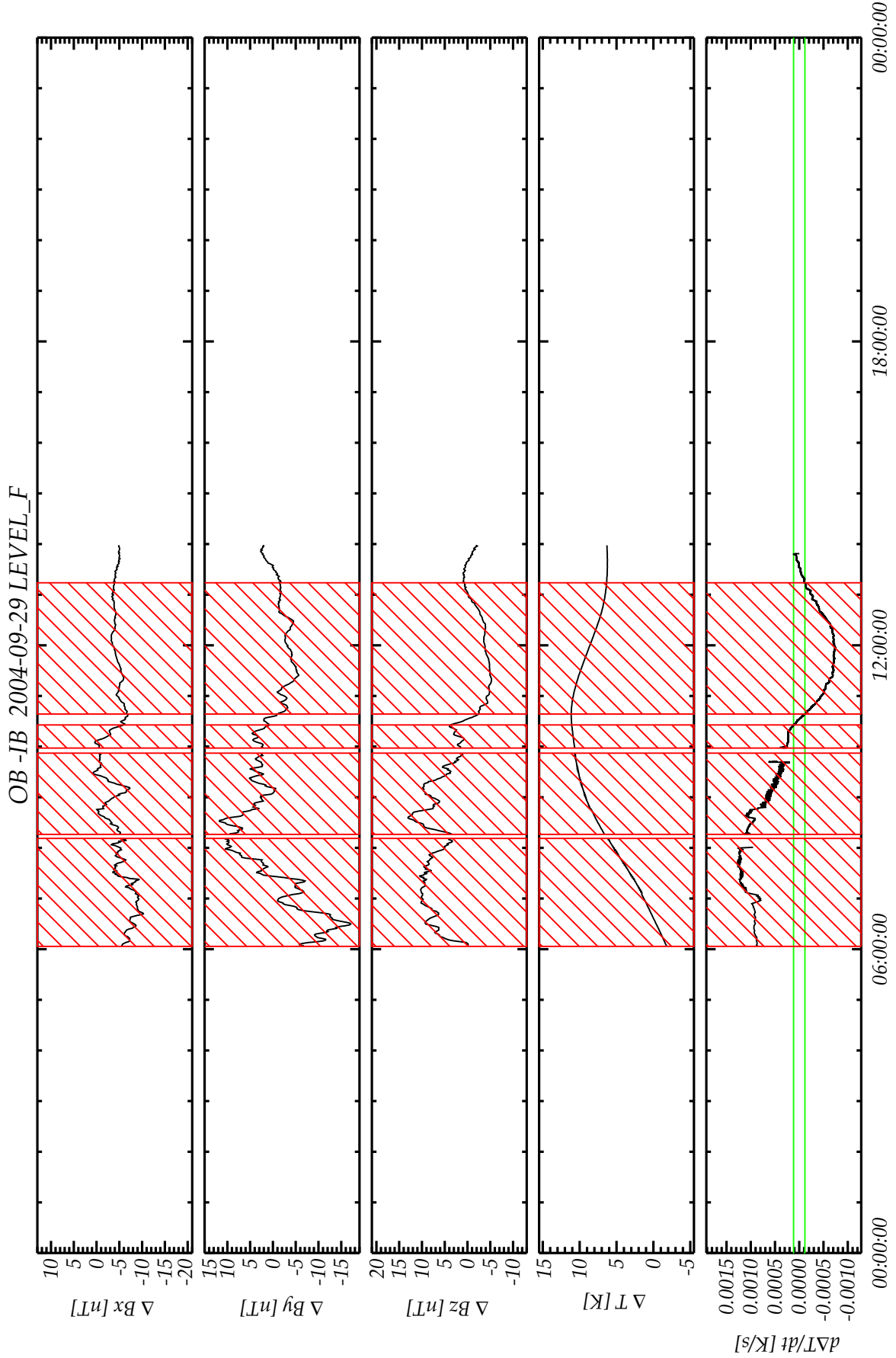


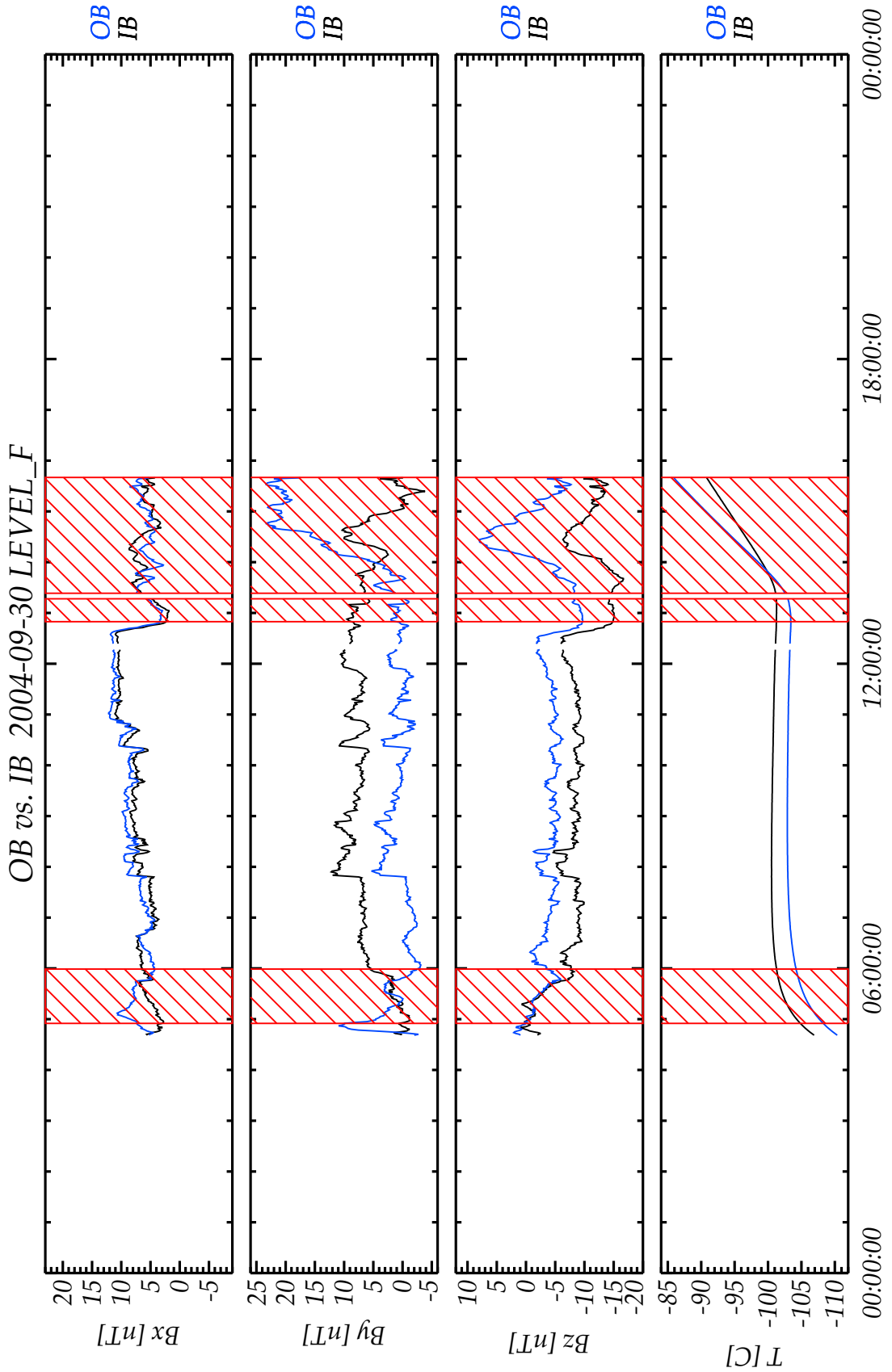


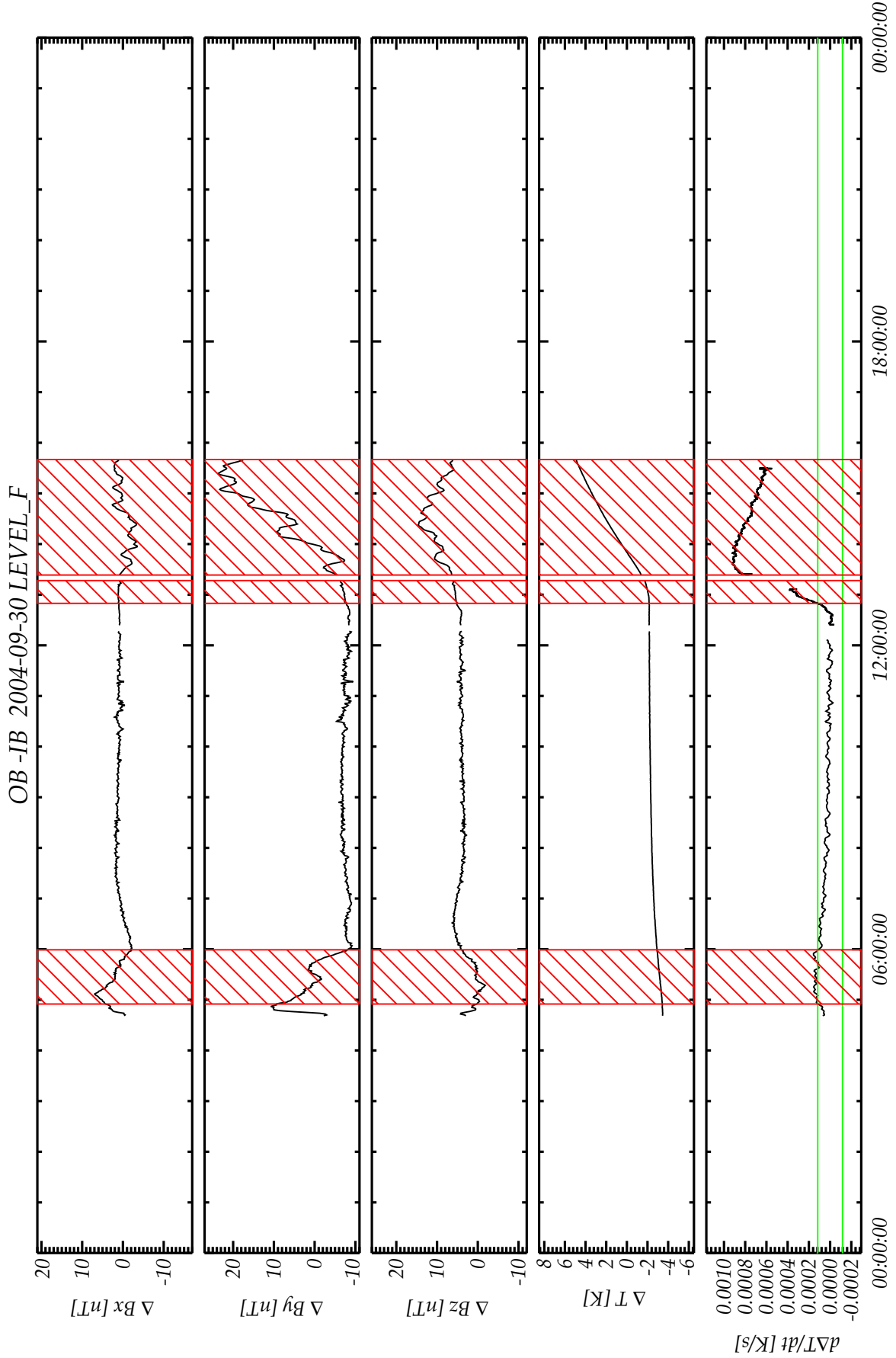














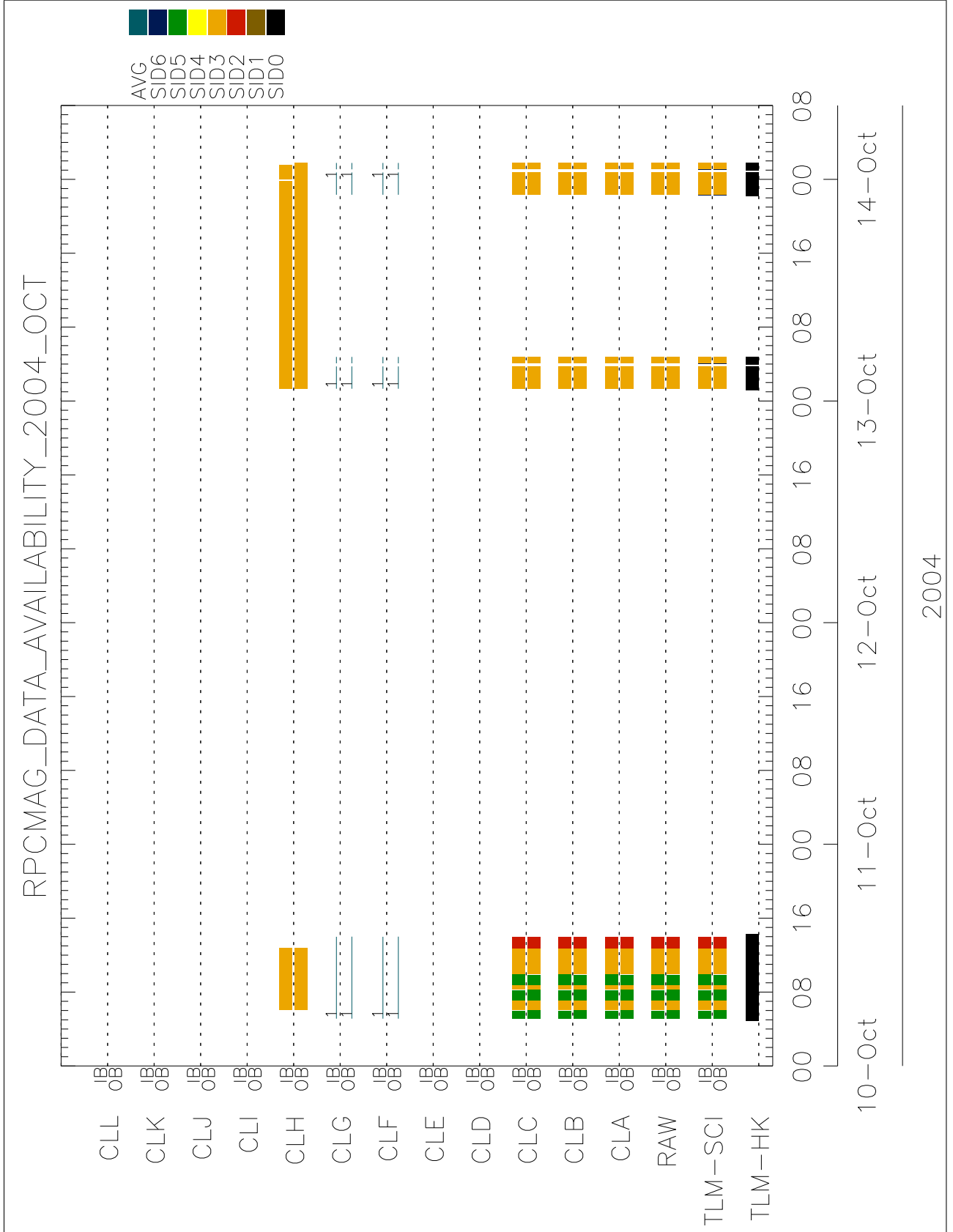


Figure 5: Overview October 2004

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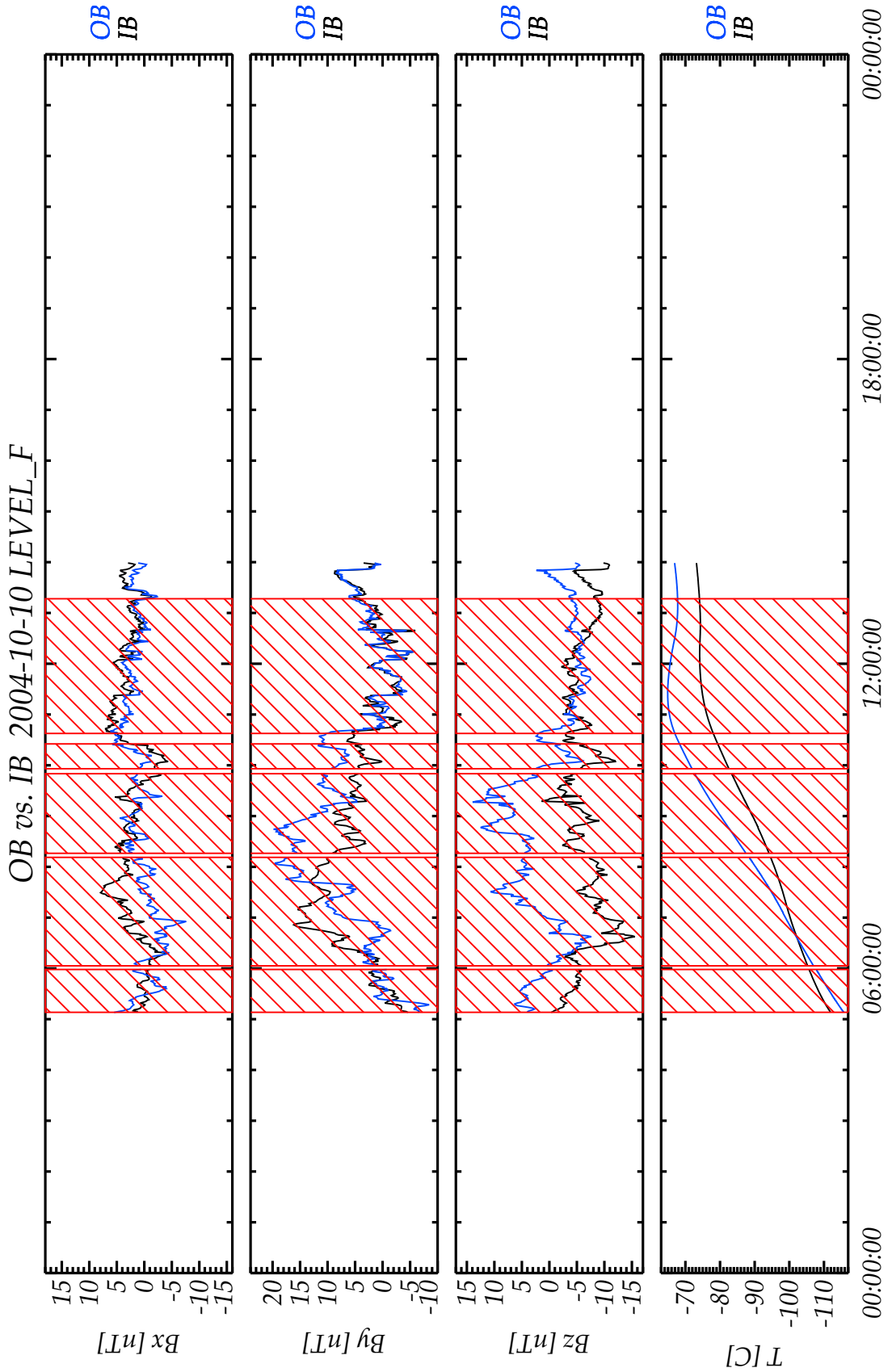
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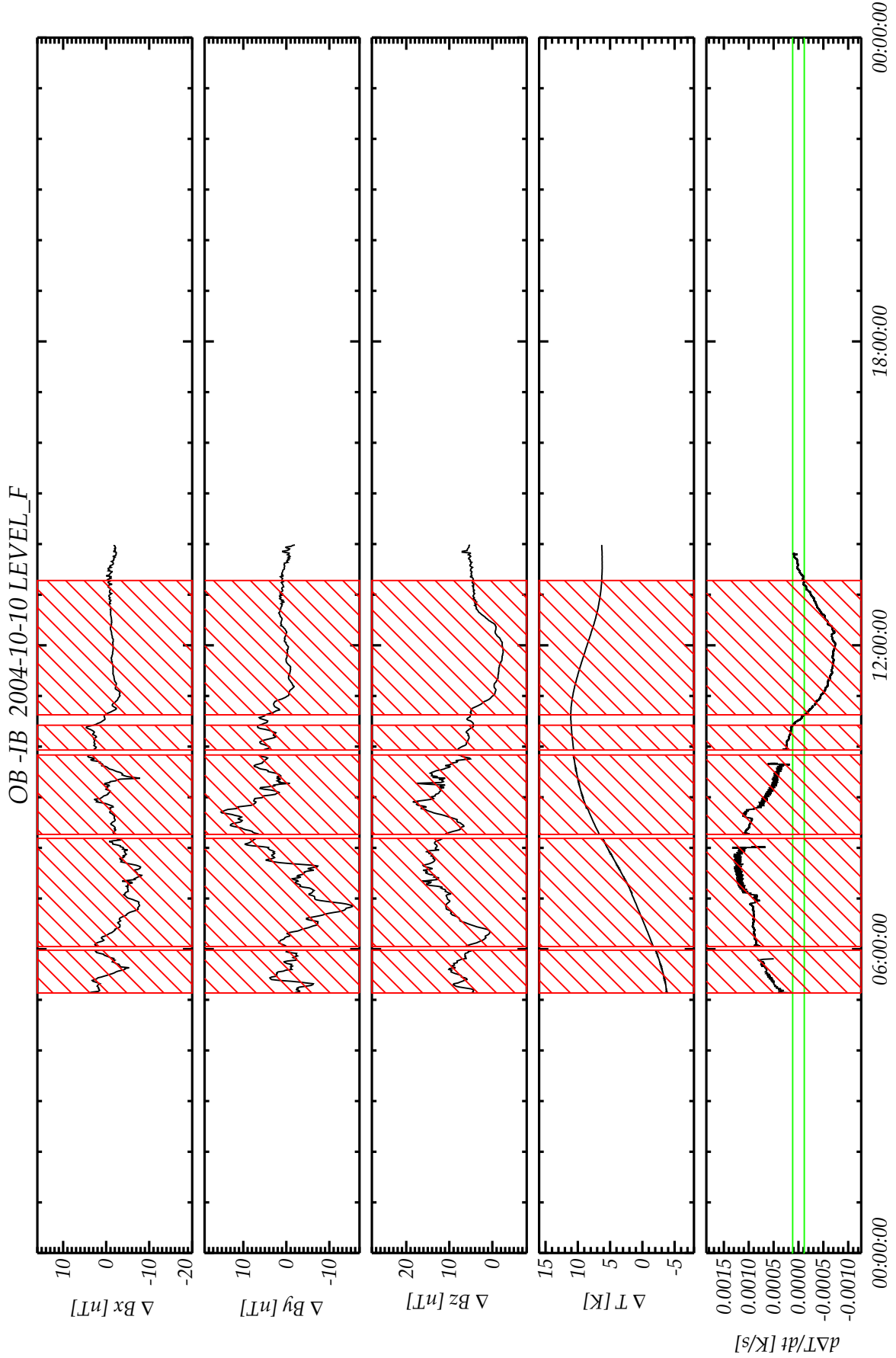
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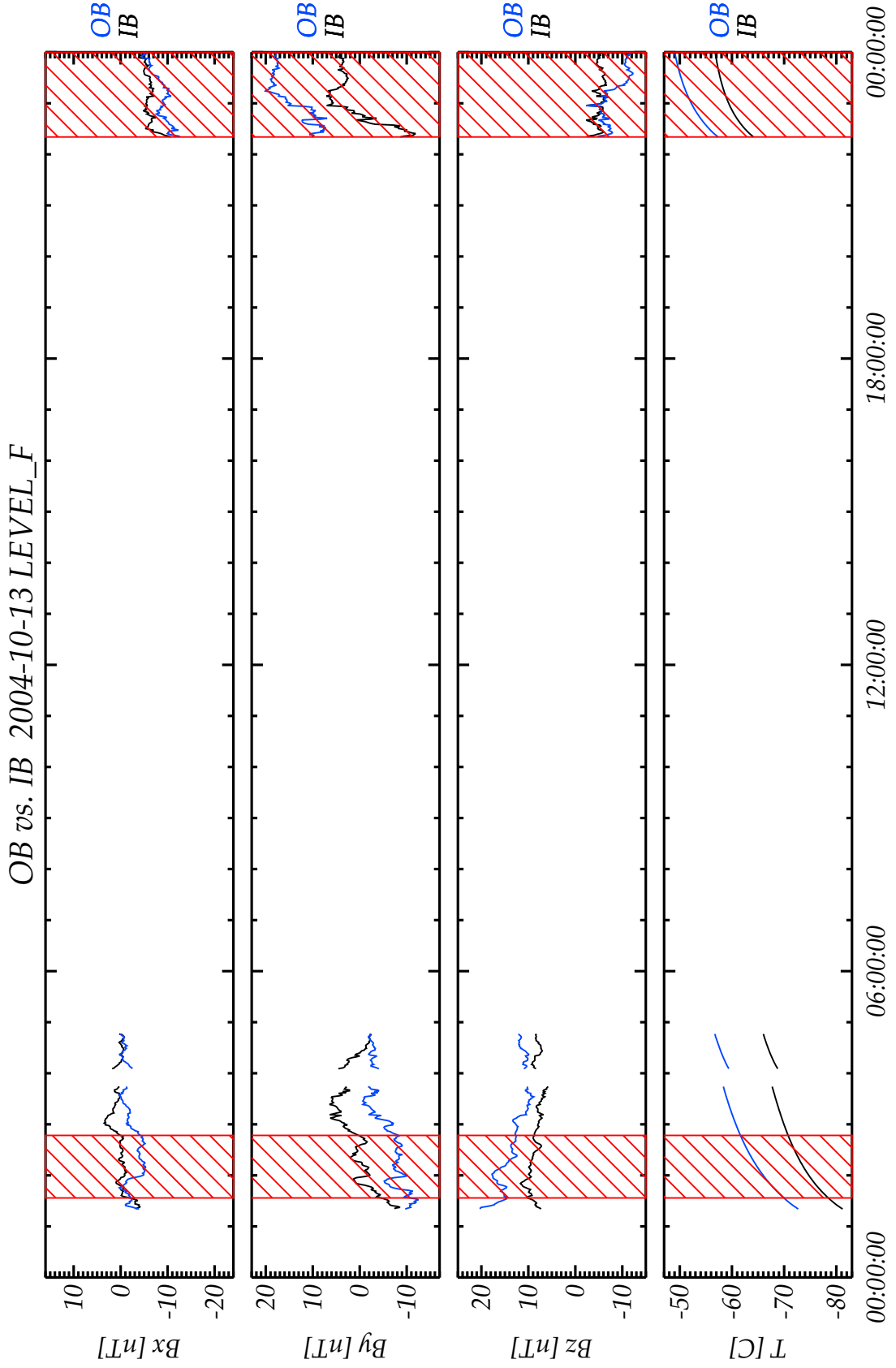
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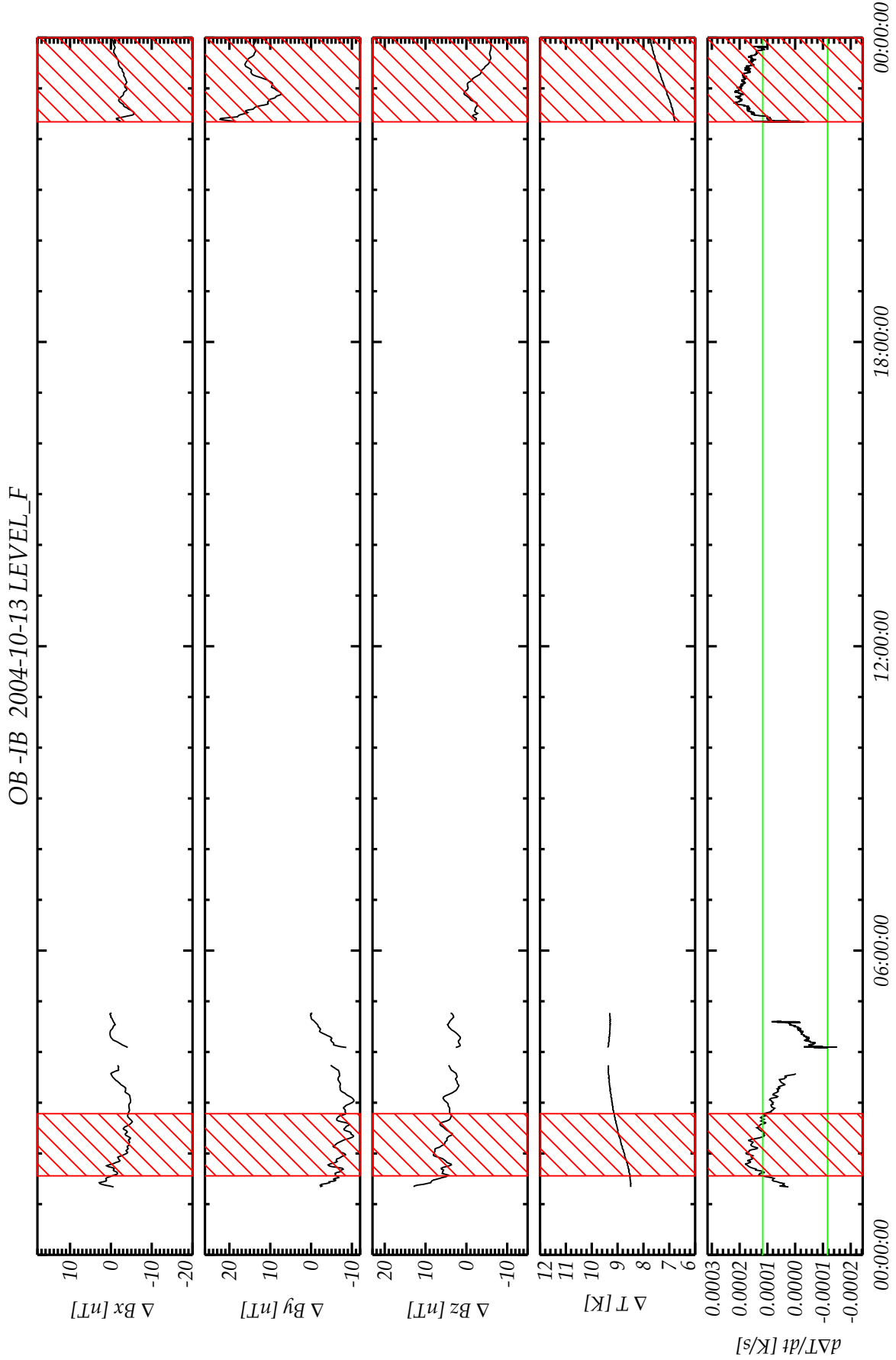
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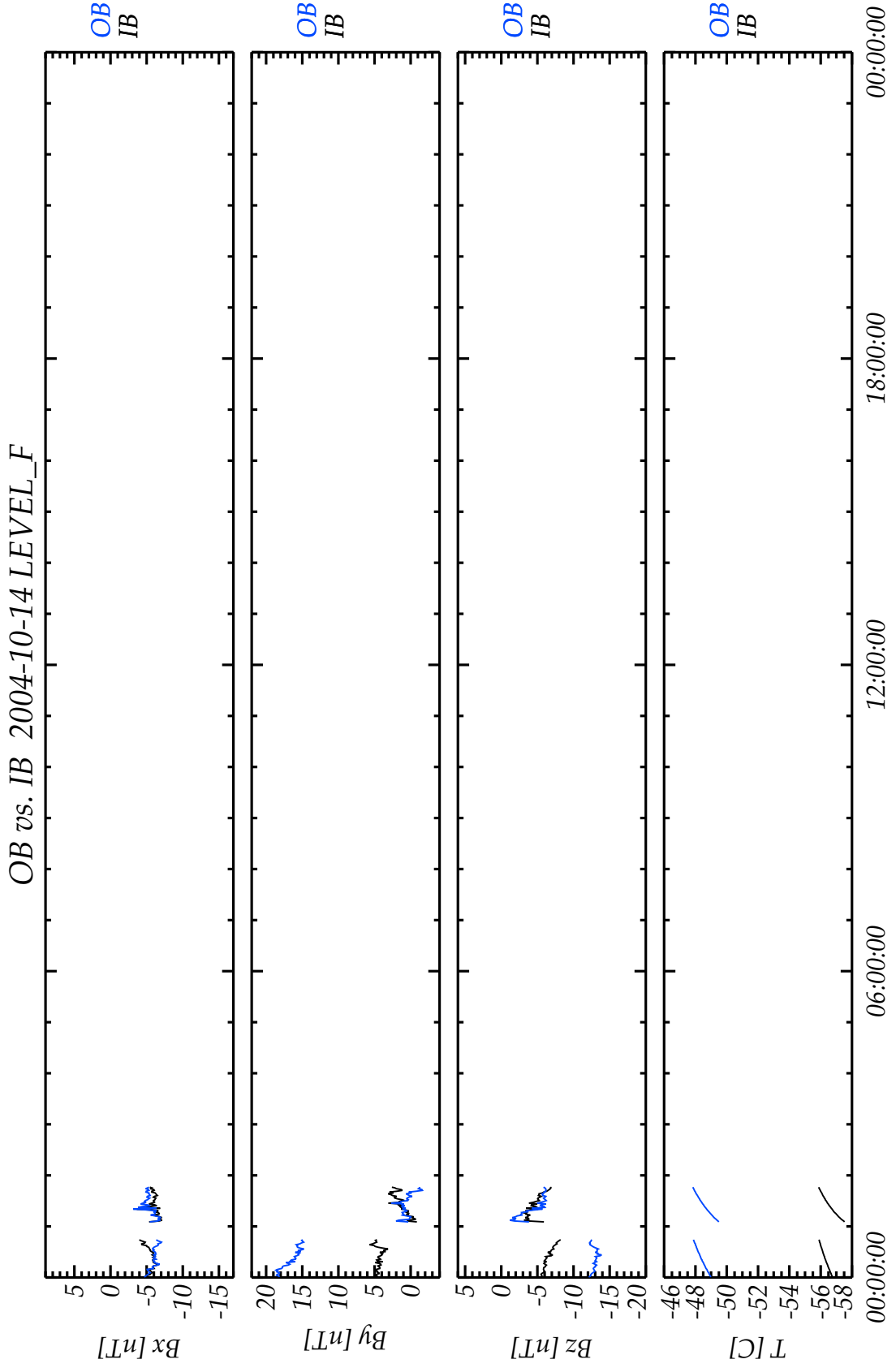
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2004-10-10	CLF	1	IB
2004-10-10	CLF	1	OB
2004-10-13	CLF	1	IB
2004-10-13	CLG	1	IB
2004-10-13	CLG	1	OB
2004-10-13	CLF	1	OB
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2004-10-14	CLG	1	IB

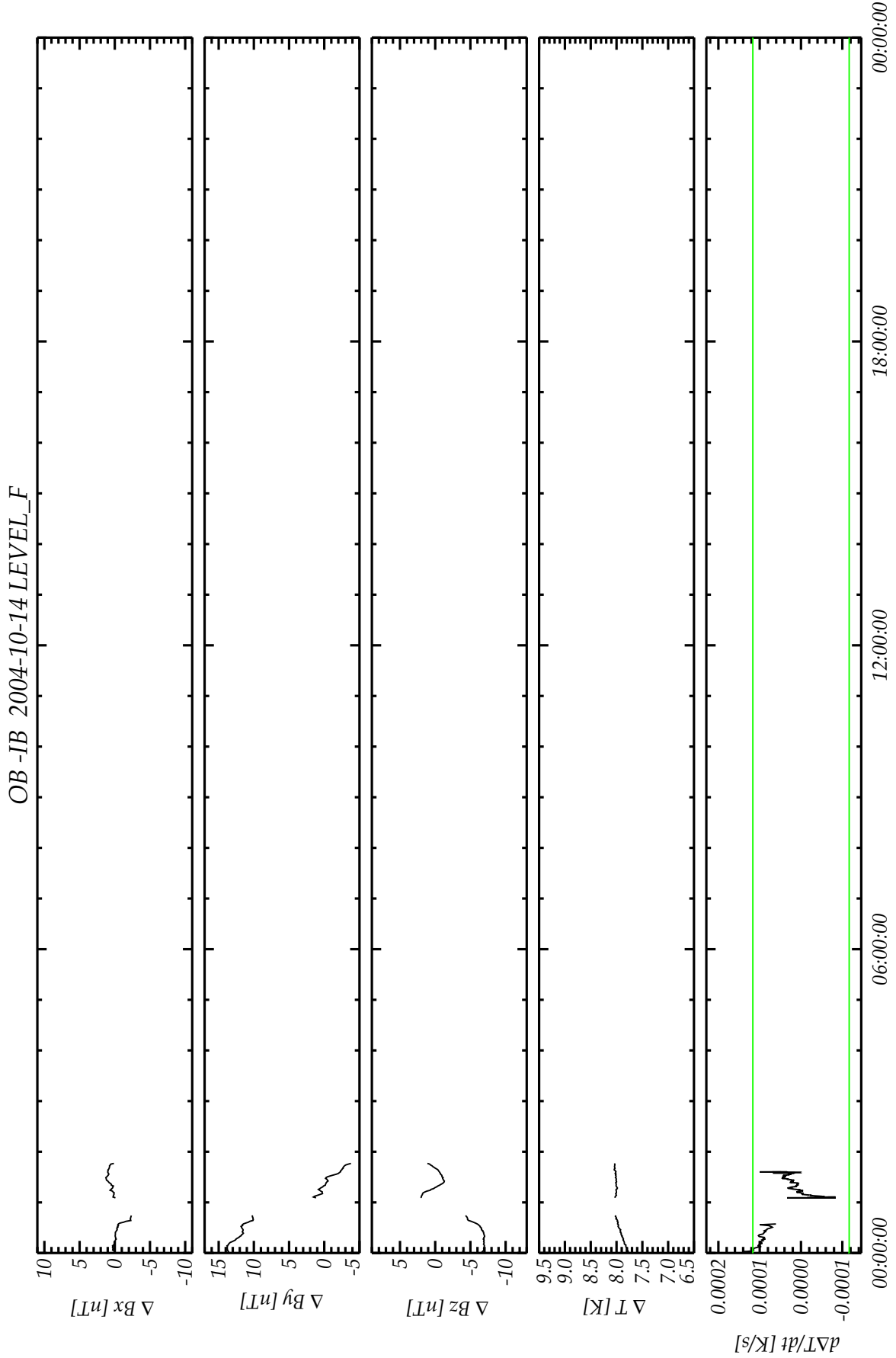














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**3 2005**

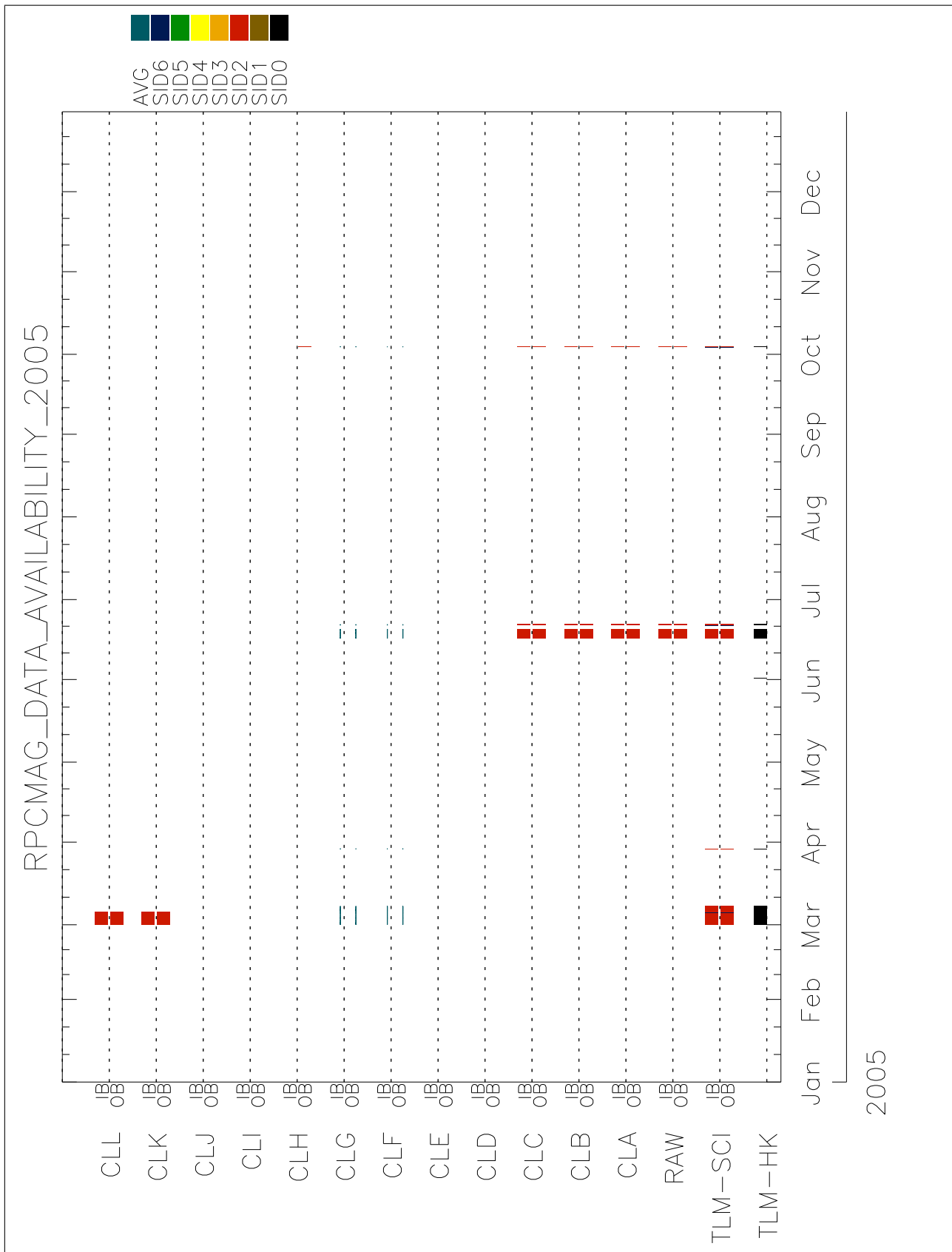


Figure 6: Overview 2005

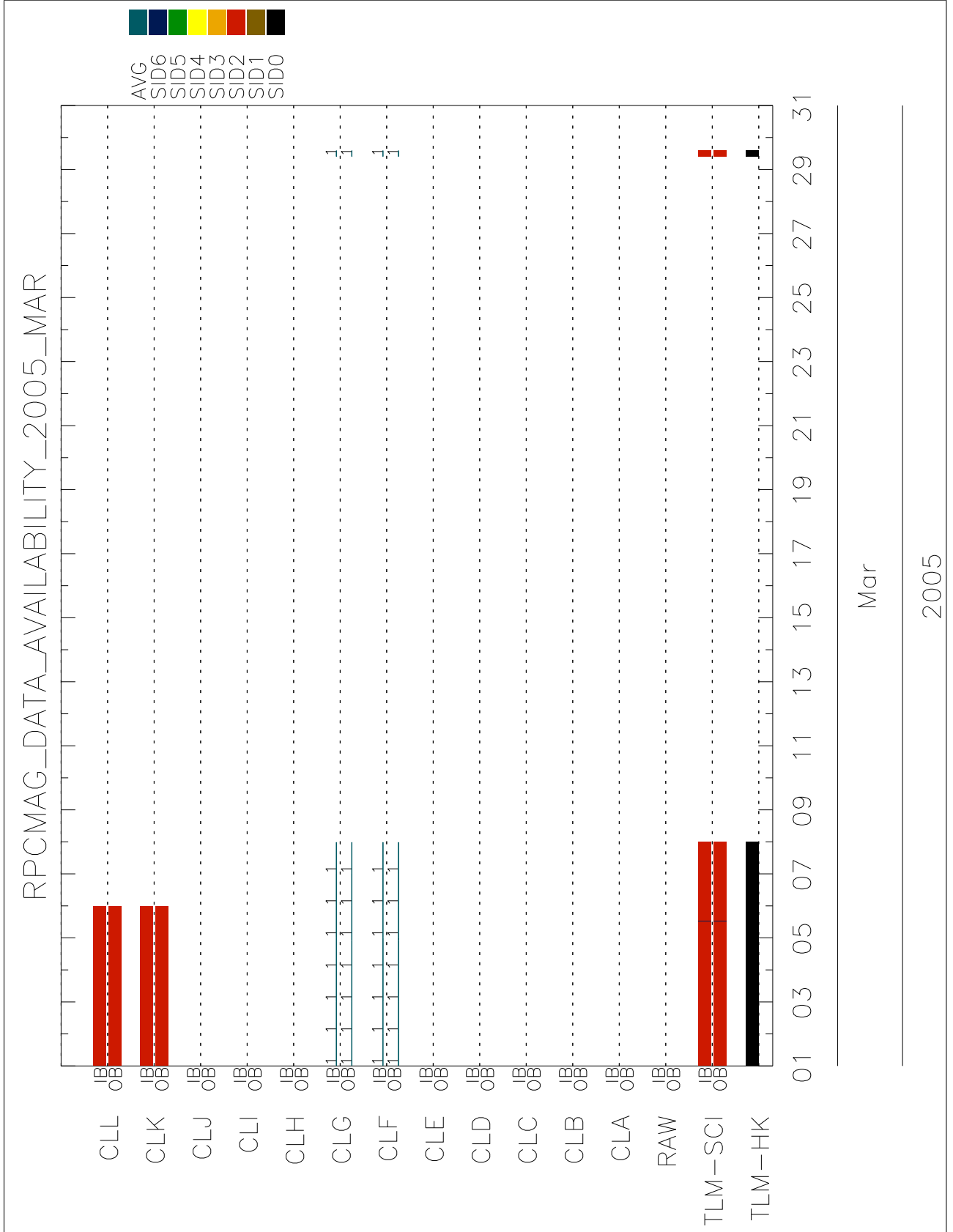


Figure 7: Overview March 2005

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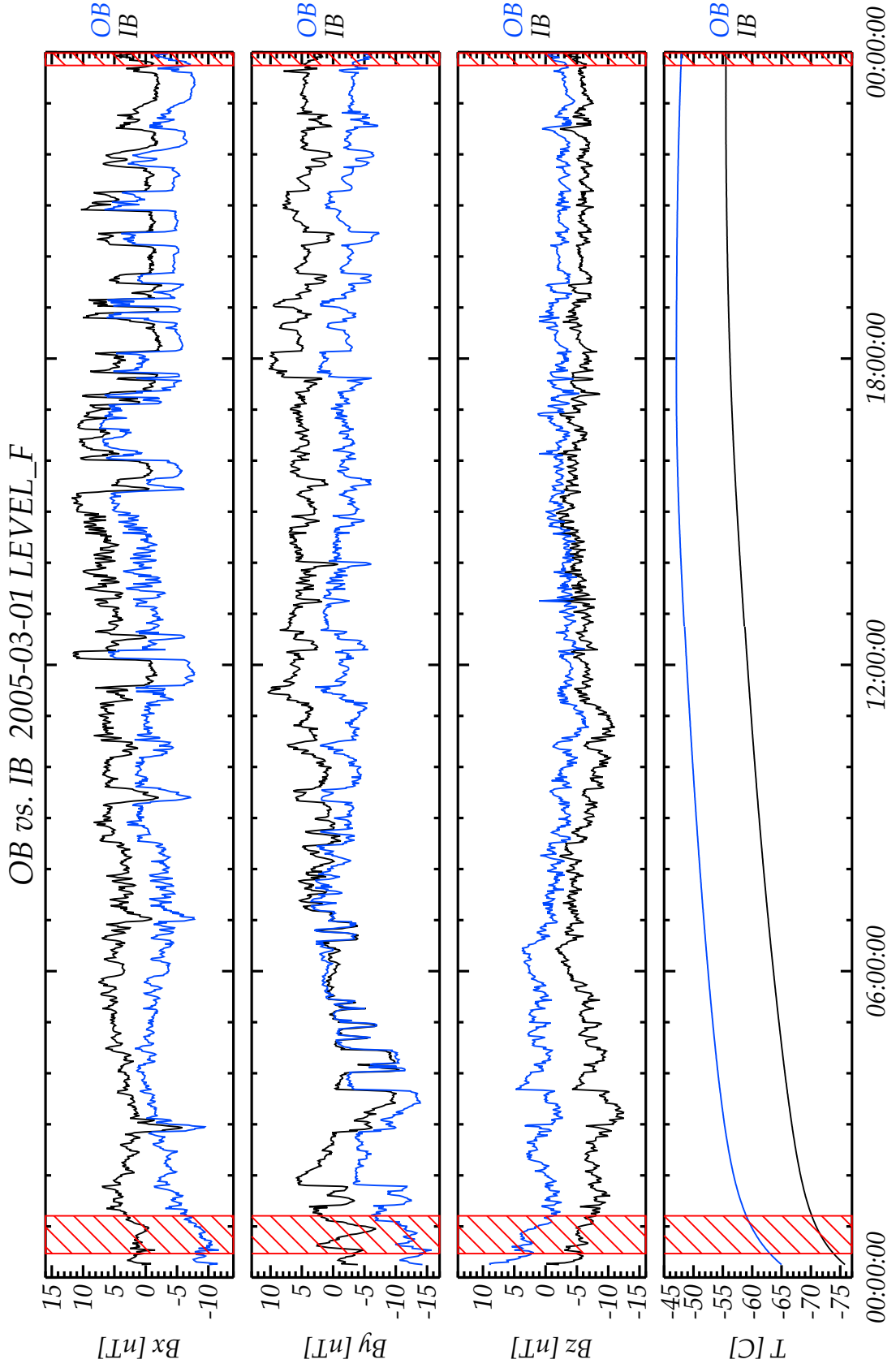
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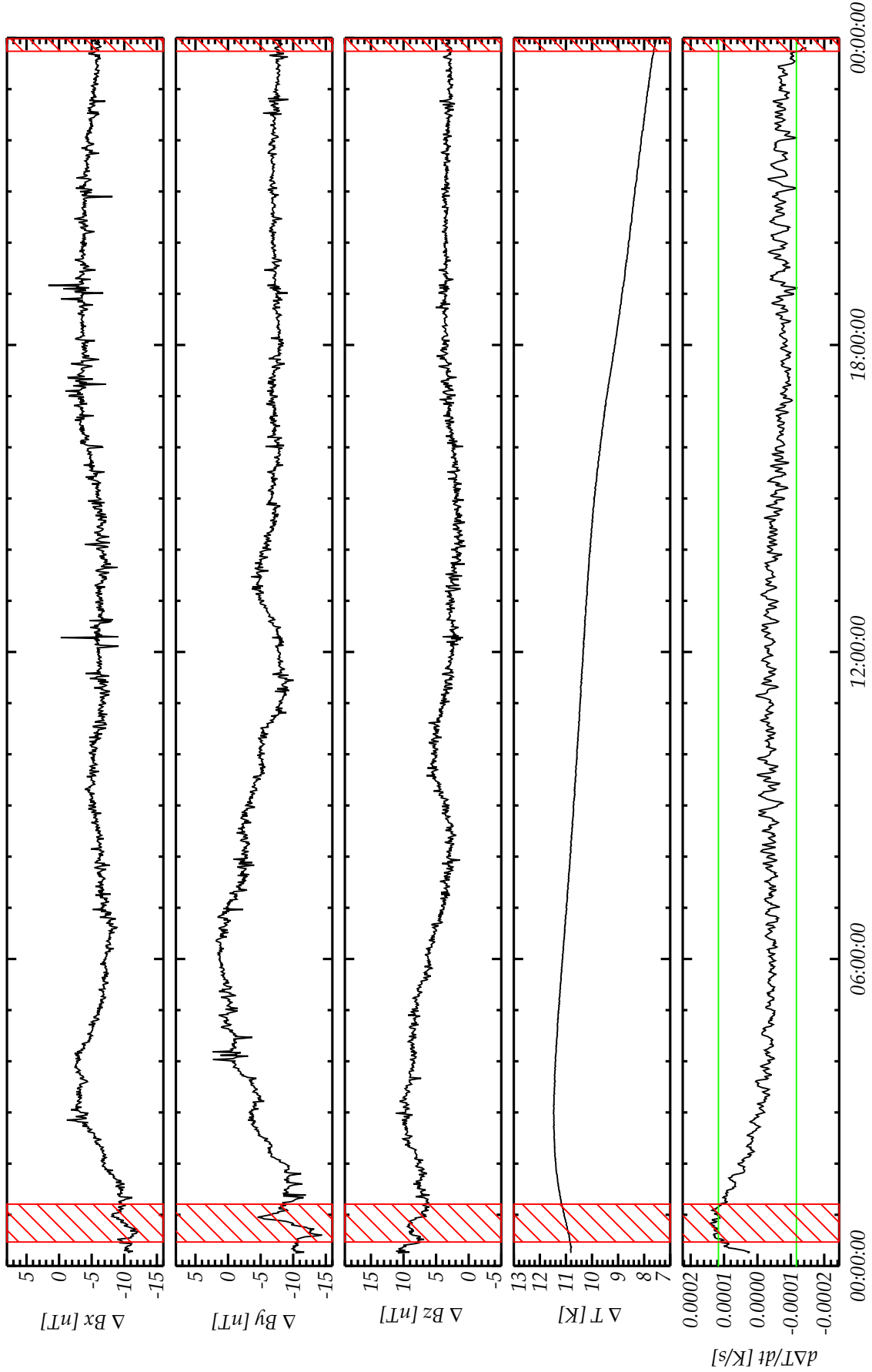
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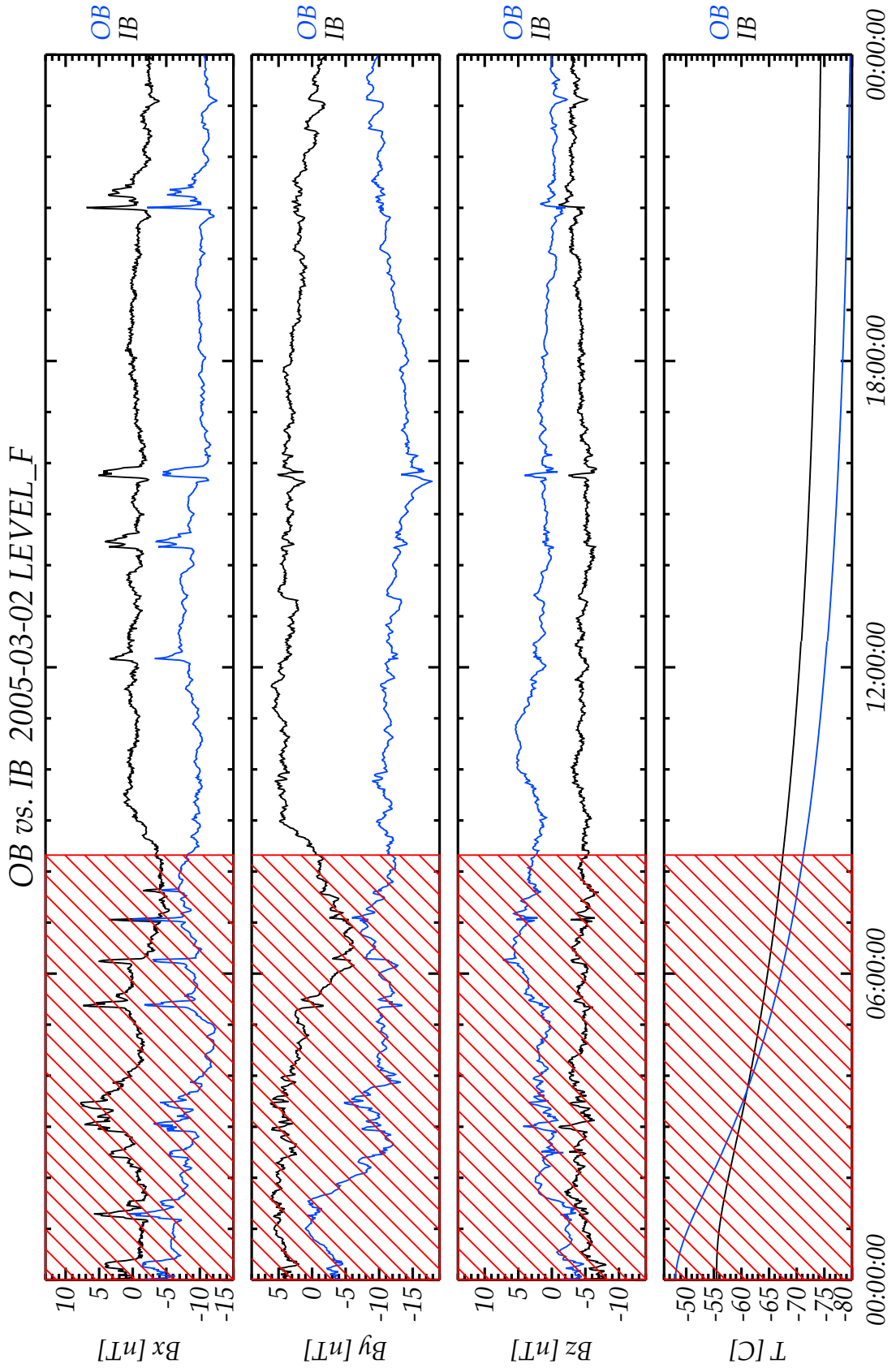
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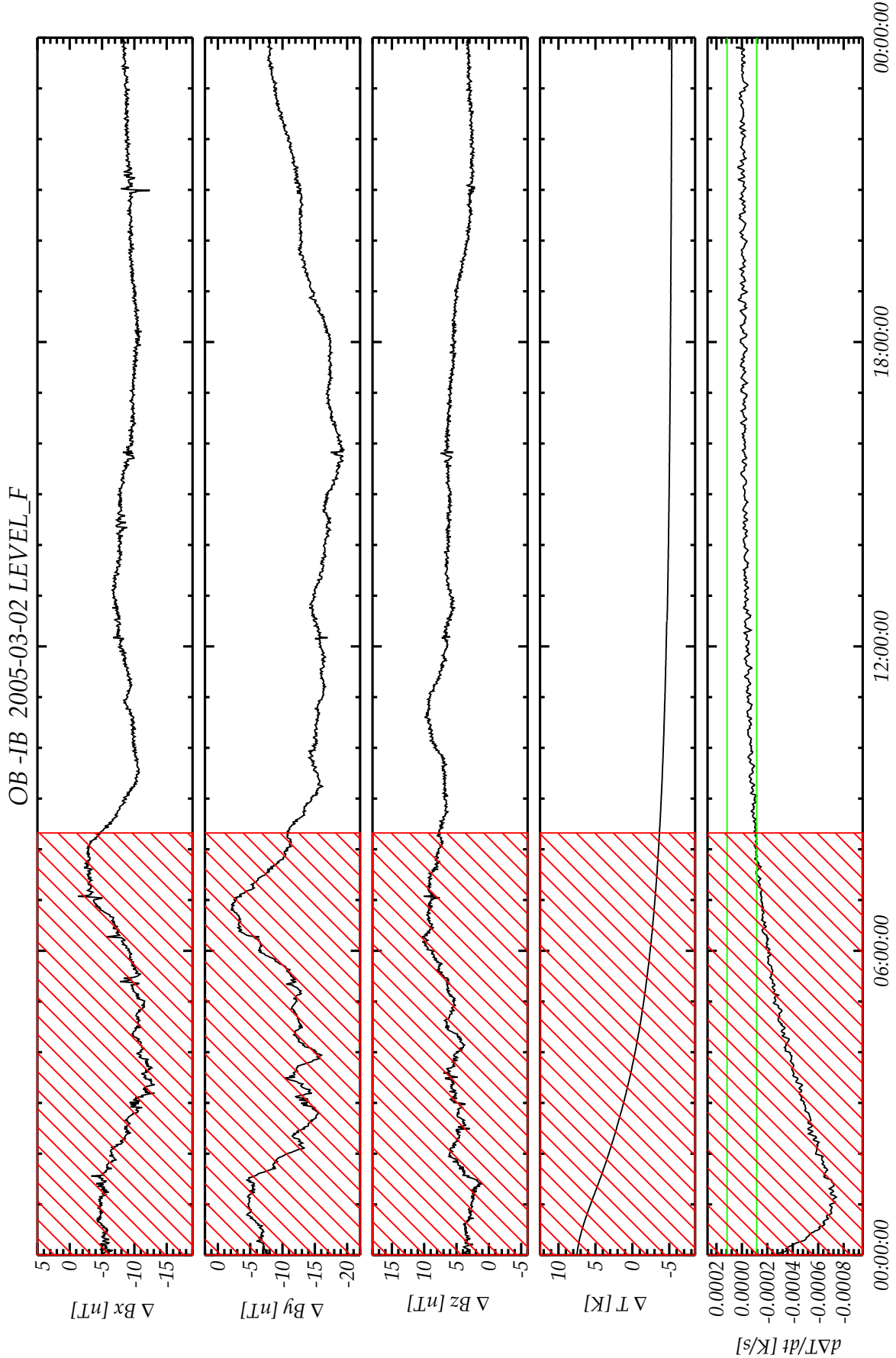
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2005-03-01	CLG	1	IB
2005-03-01	CLG	1	OB
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2005-03-02	CLF	1	OB
2005-03-02	CLF	1	IB
2005-03-02	CLG	1	IB
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2005-03-03	CLF	1	OB
2005-03-03	CLG	1	IB
2005-03-03	CLF	1	IB
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2005-03-04	CLF	1	OB
2005-03-04	CLG	1	IB
2005-03-04	CLF	1	IB
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2005-03-05	CLG	1	IB
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2005-03-06	CLG	1	IB
2005-03-07	CLG	1	OB
2005-03-07	CLF	1	OB
2005-03-07	CLG	1	IB
2005-03-07	CLF	1	IB
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2005-03-29	CLG	1	OB



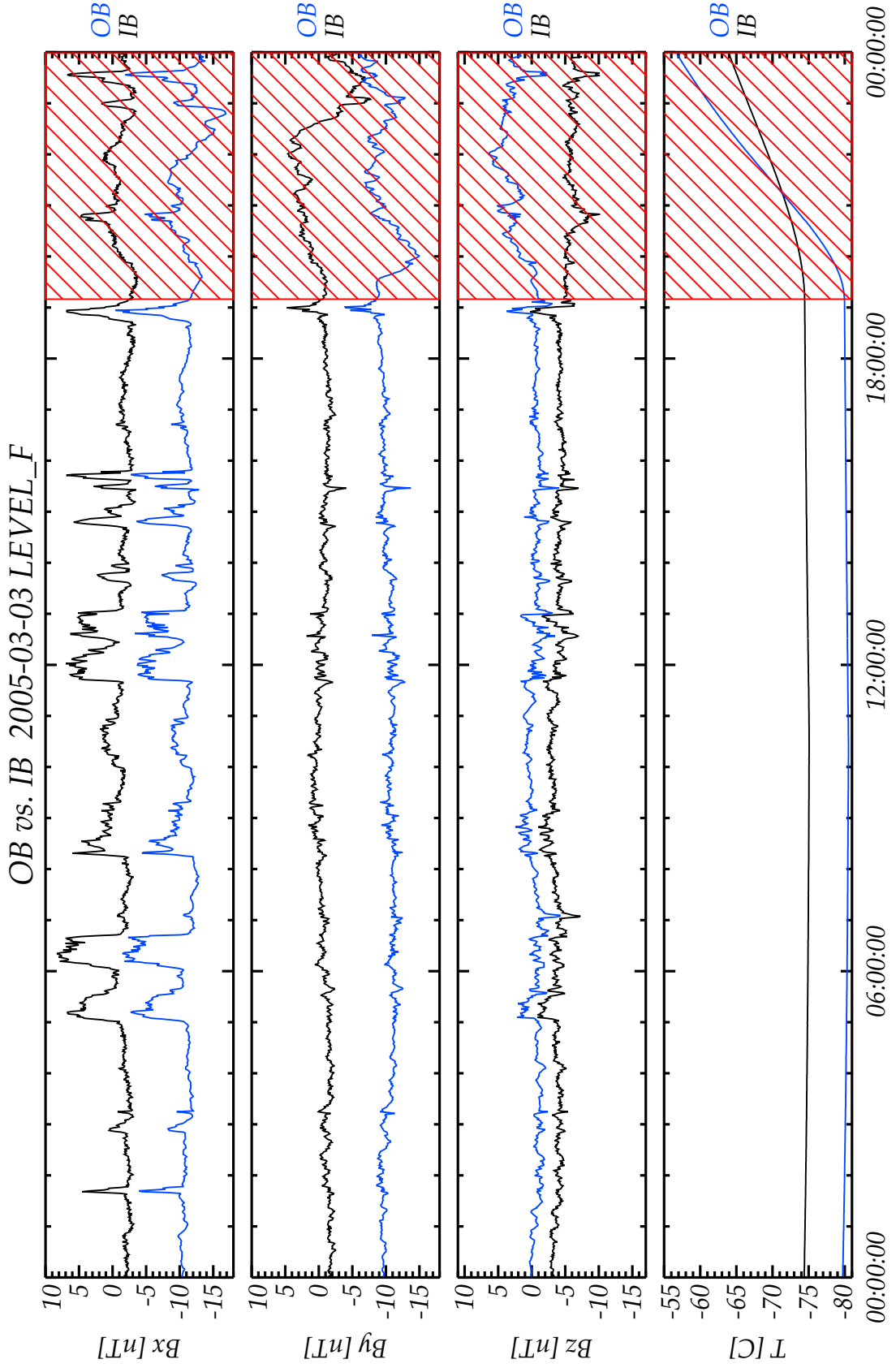
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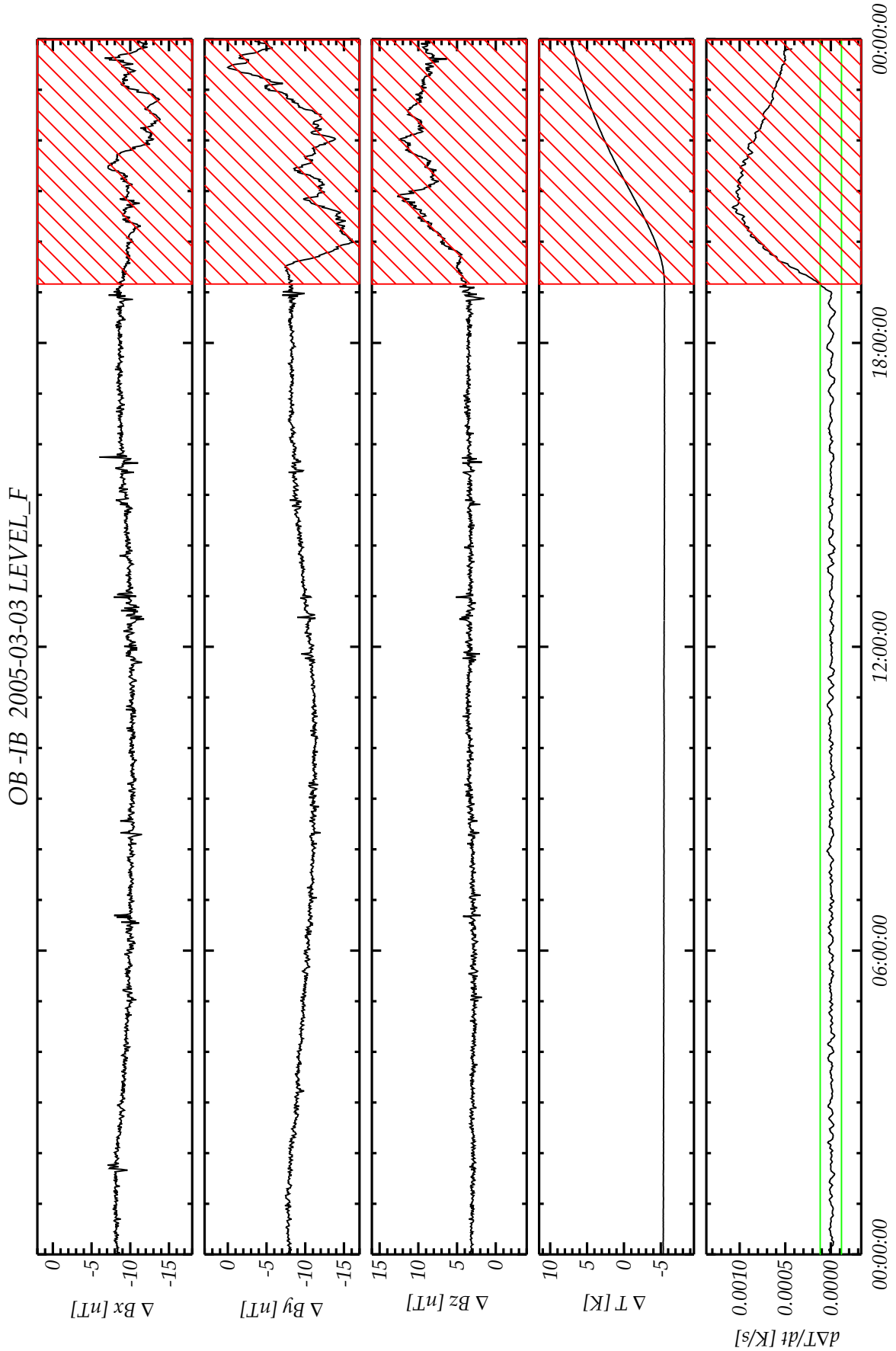


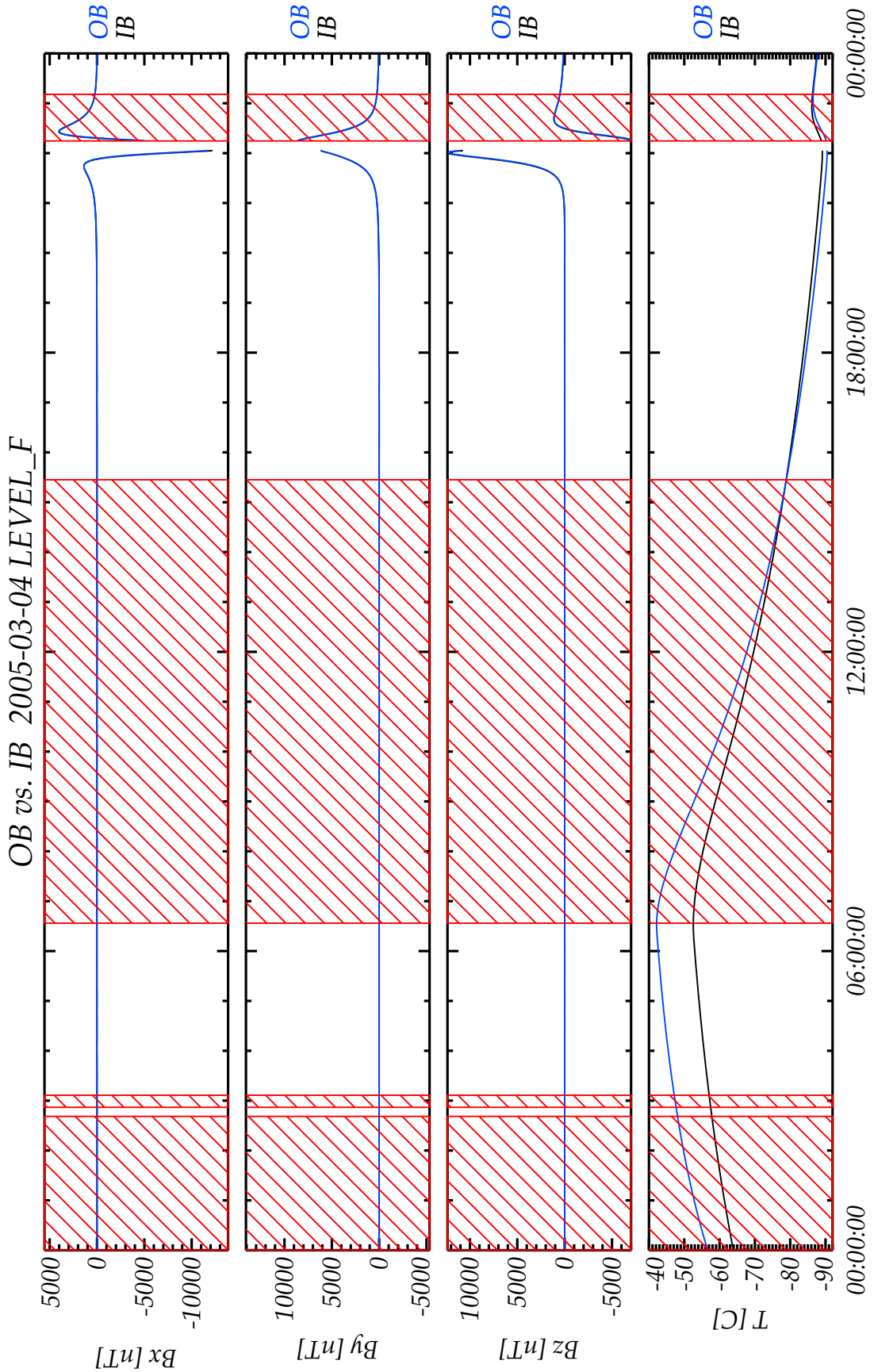


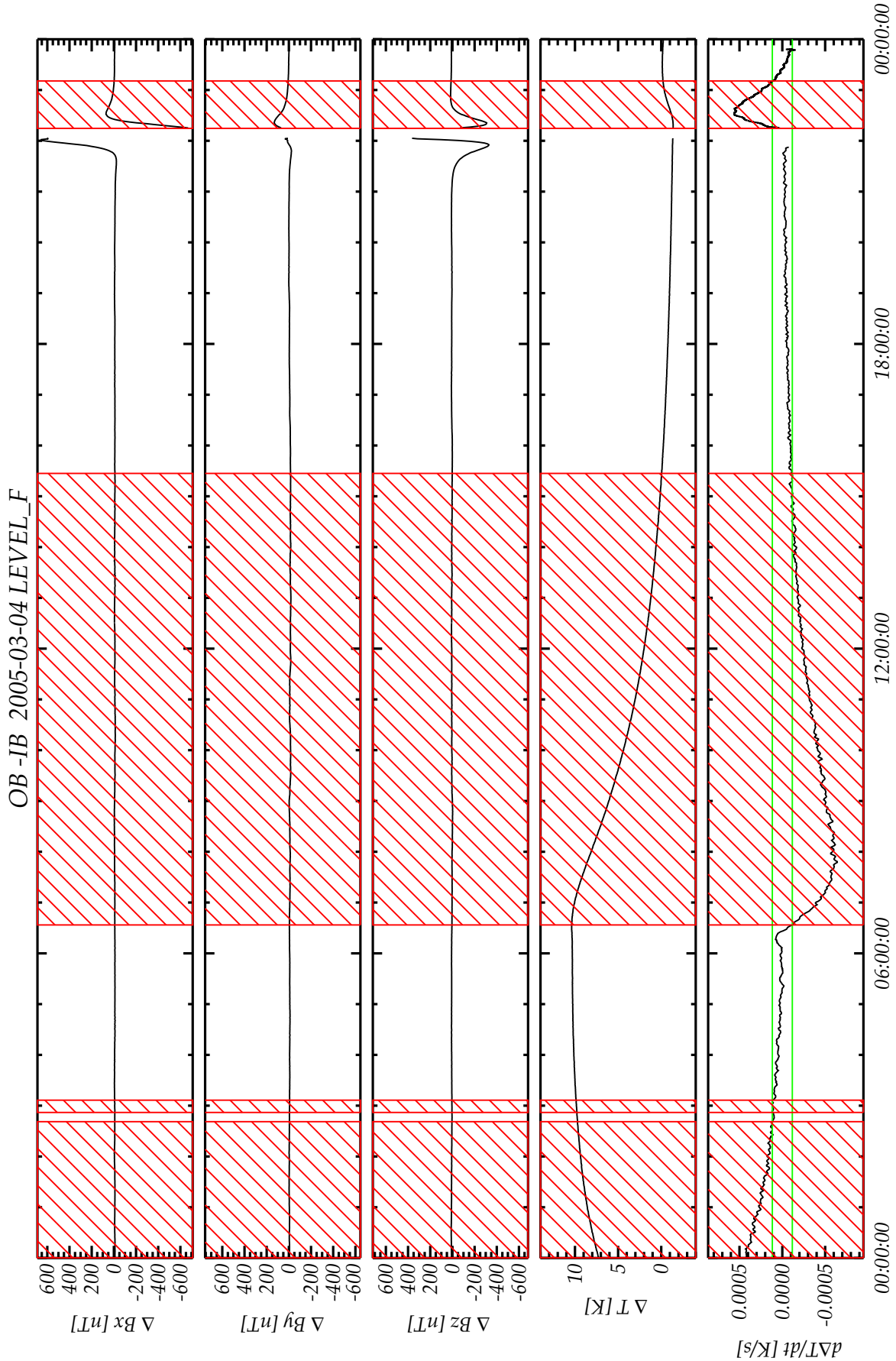


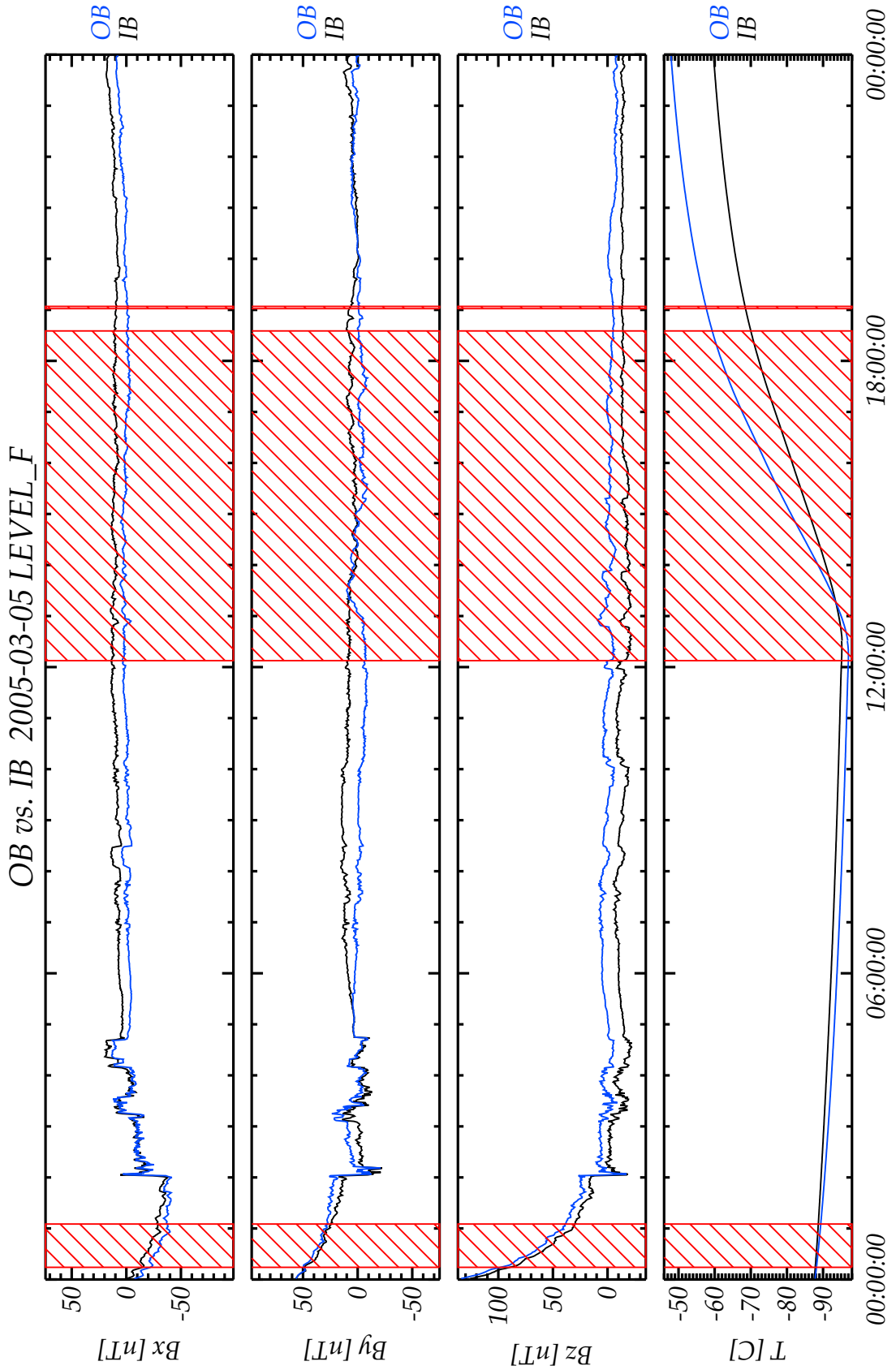


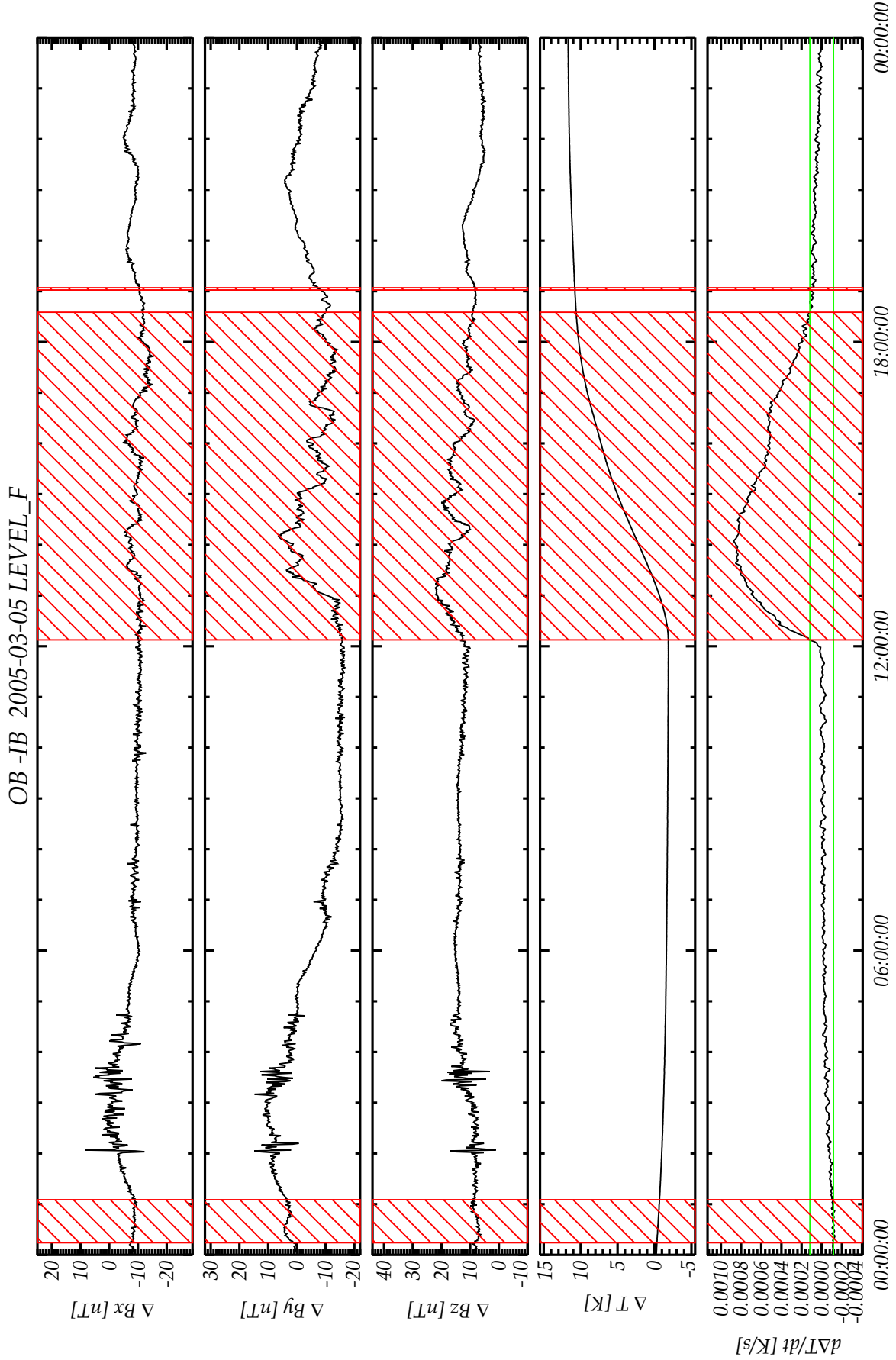


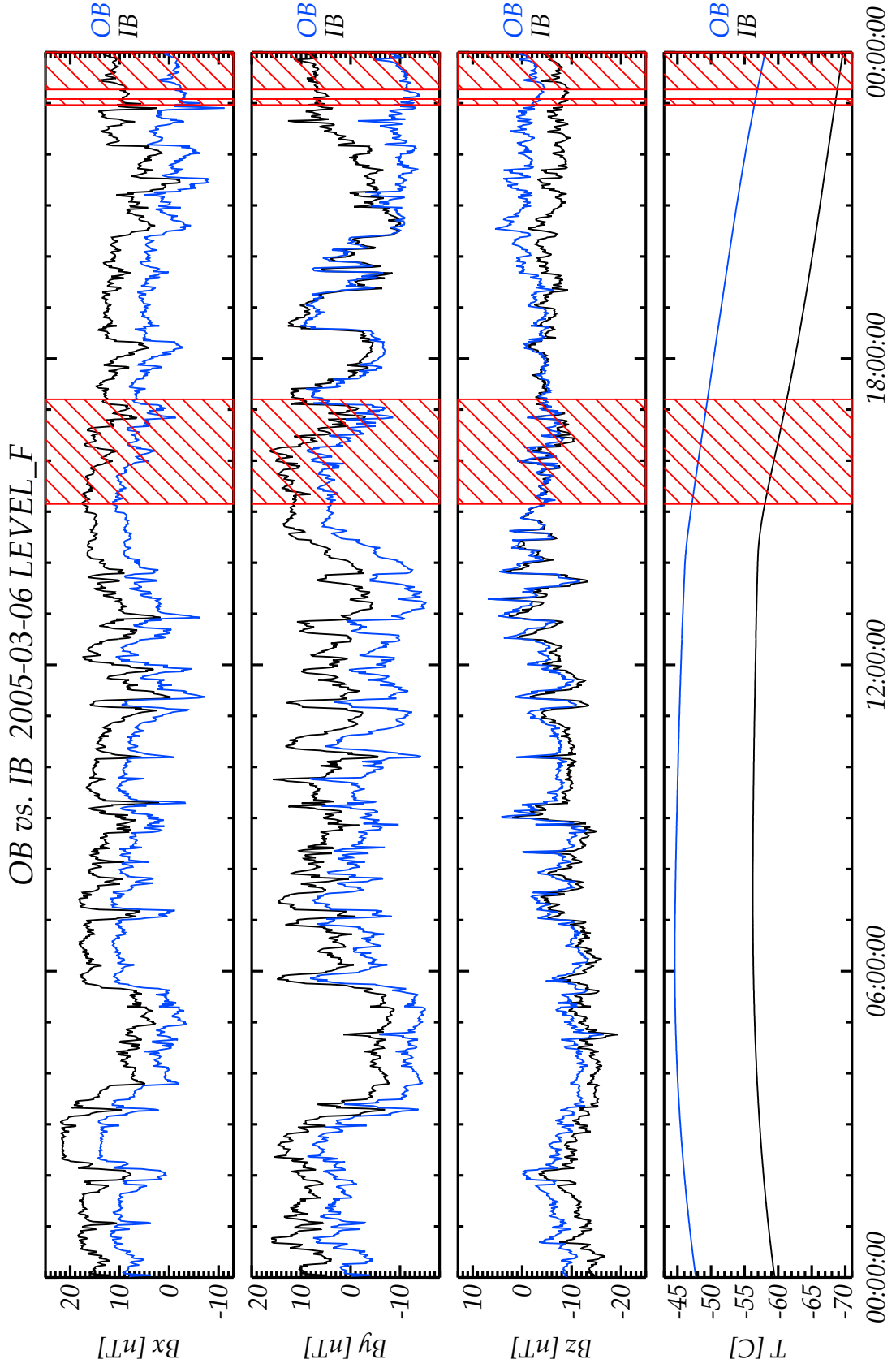


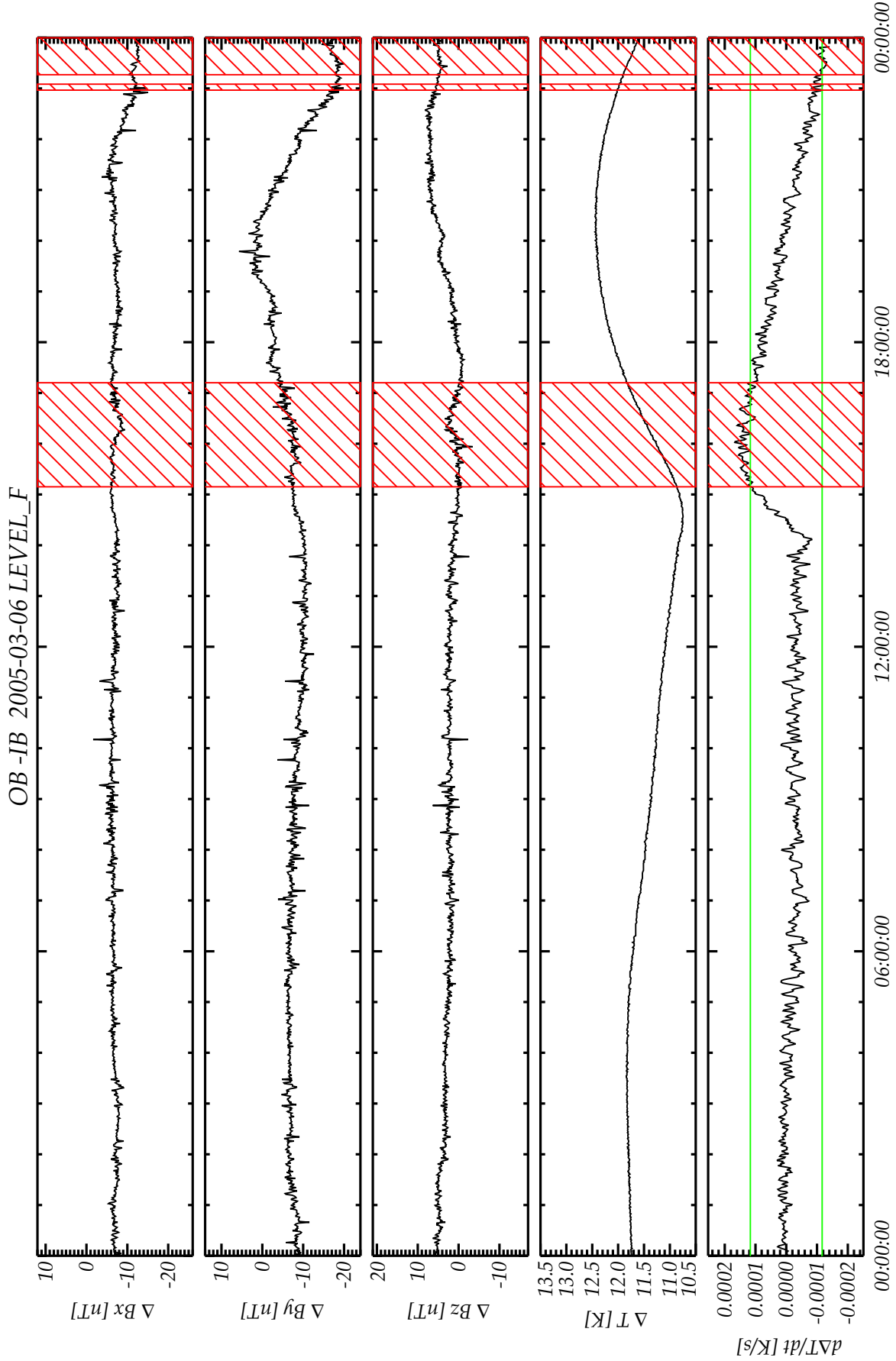




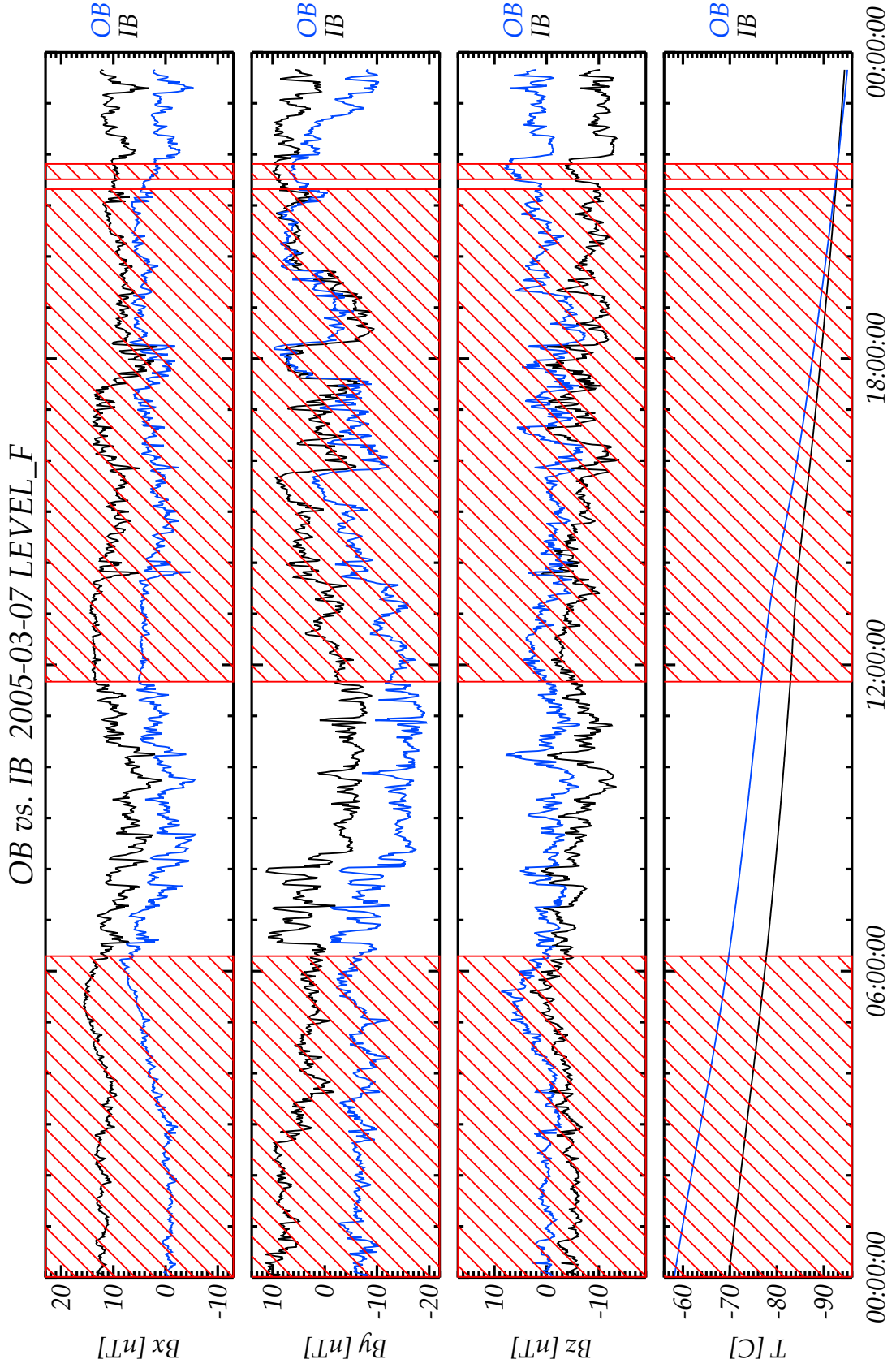


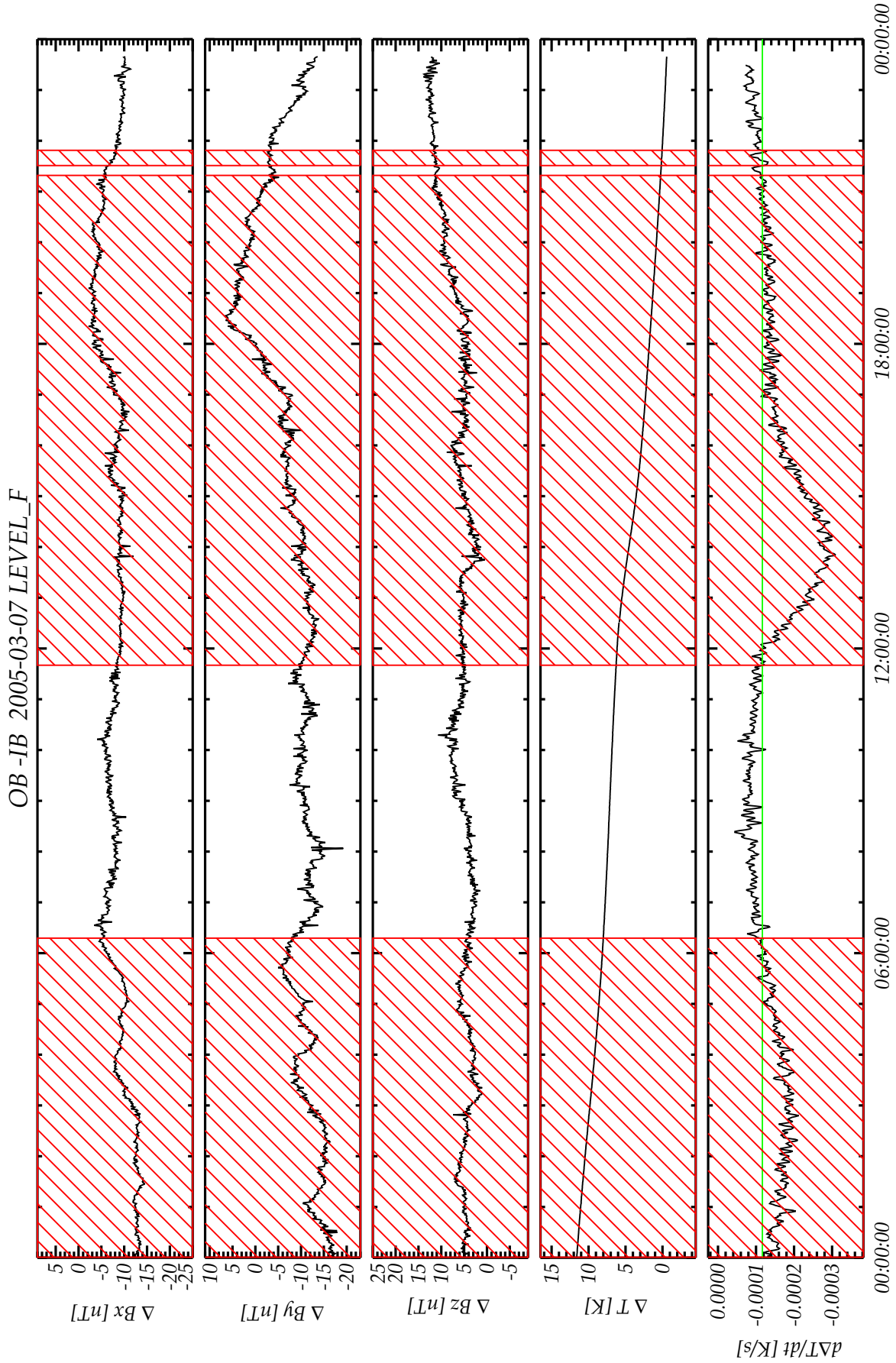


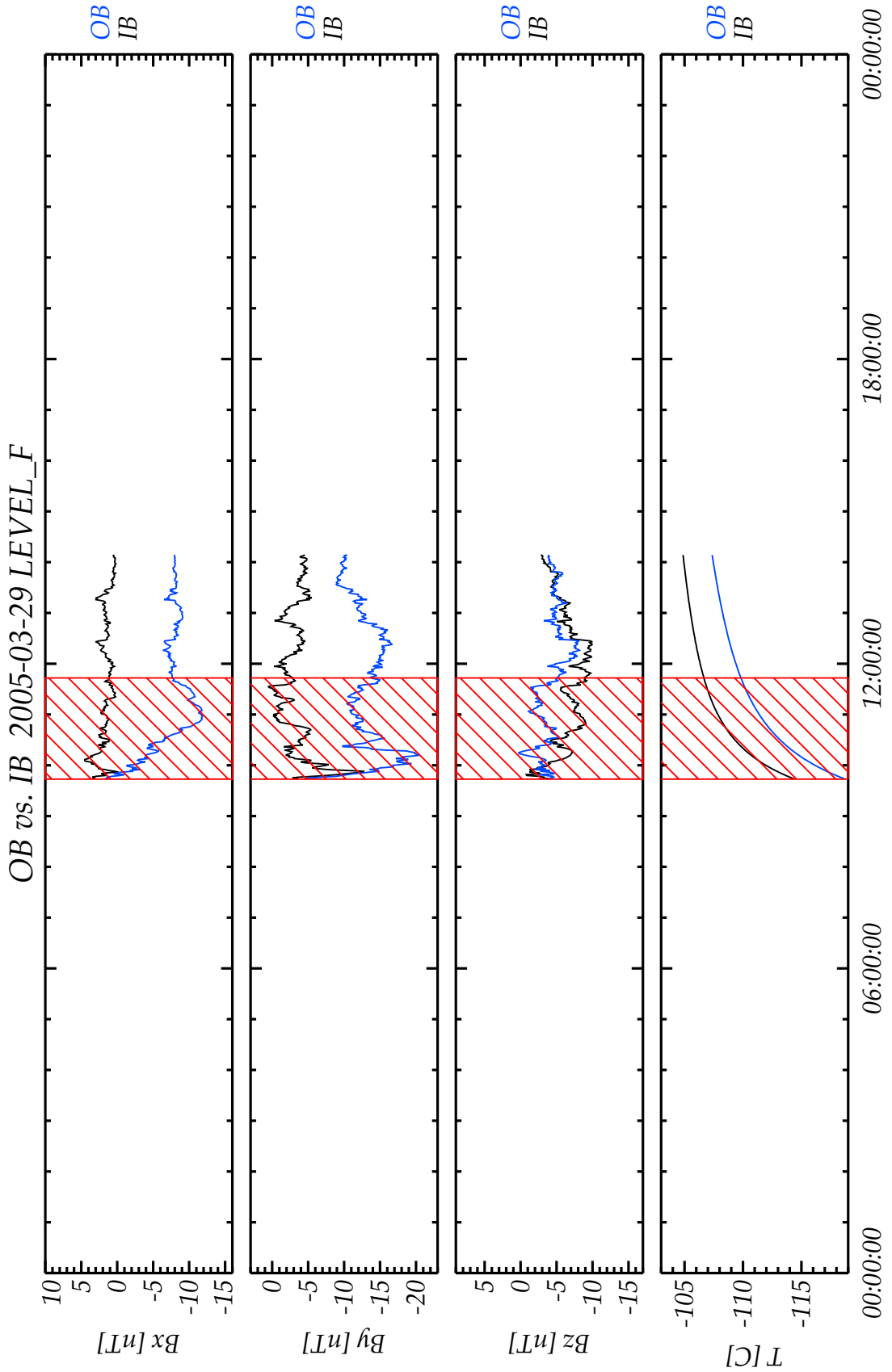


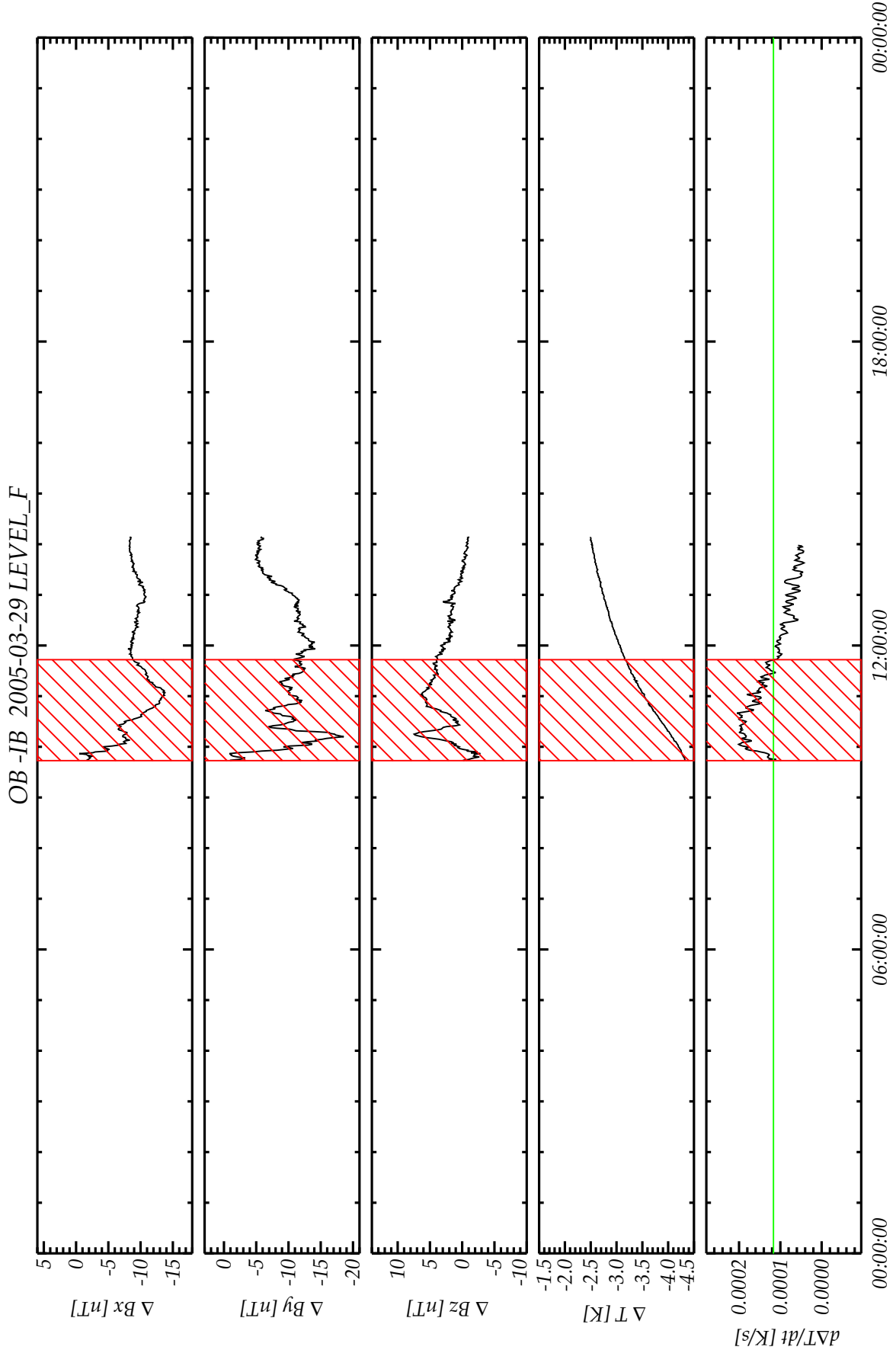












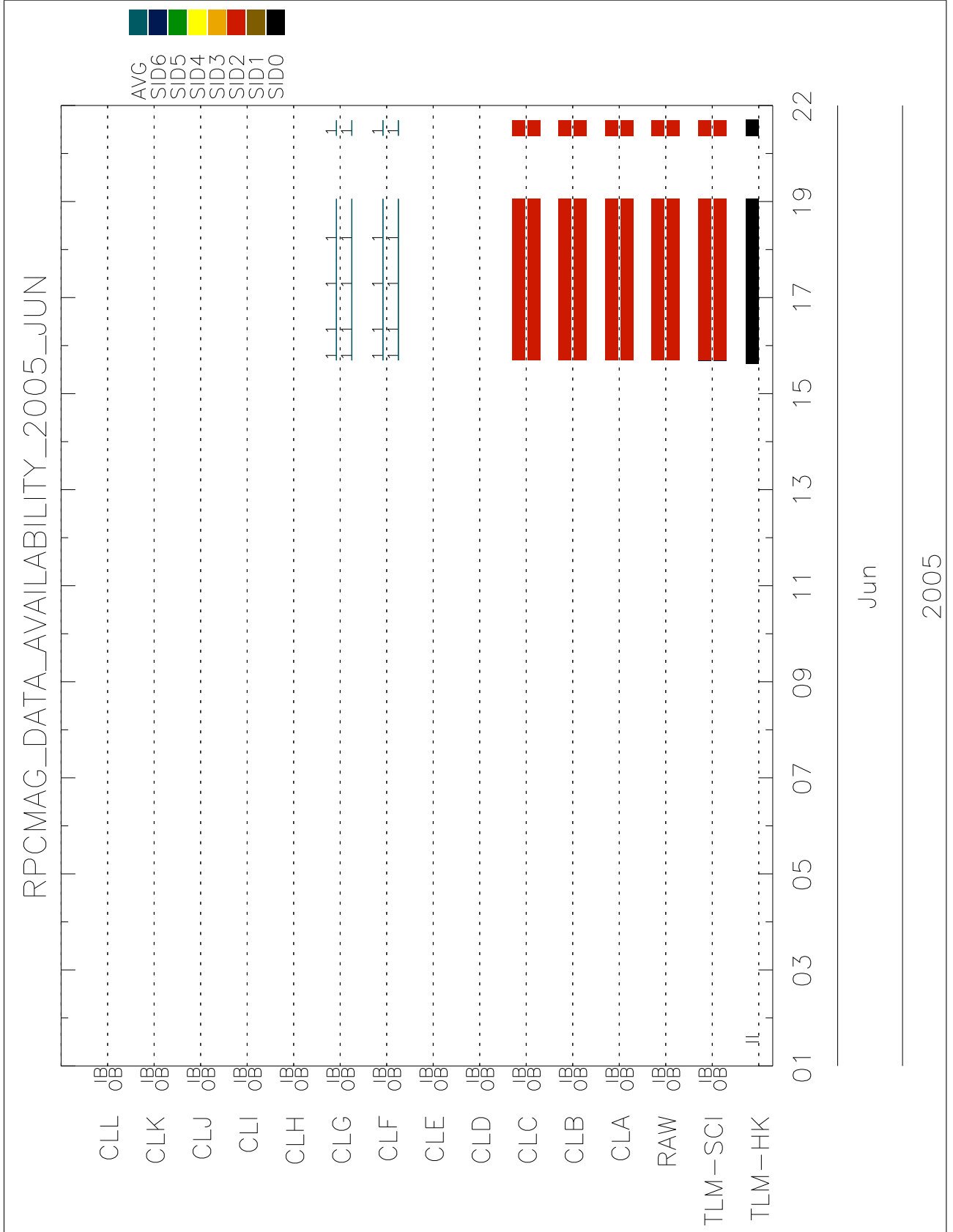


Figure 8: Overview June 2005

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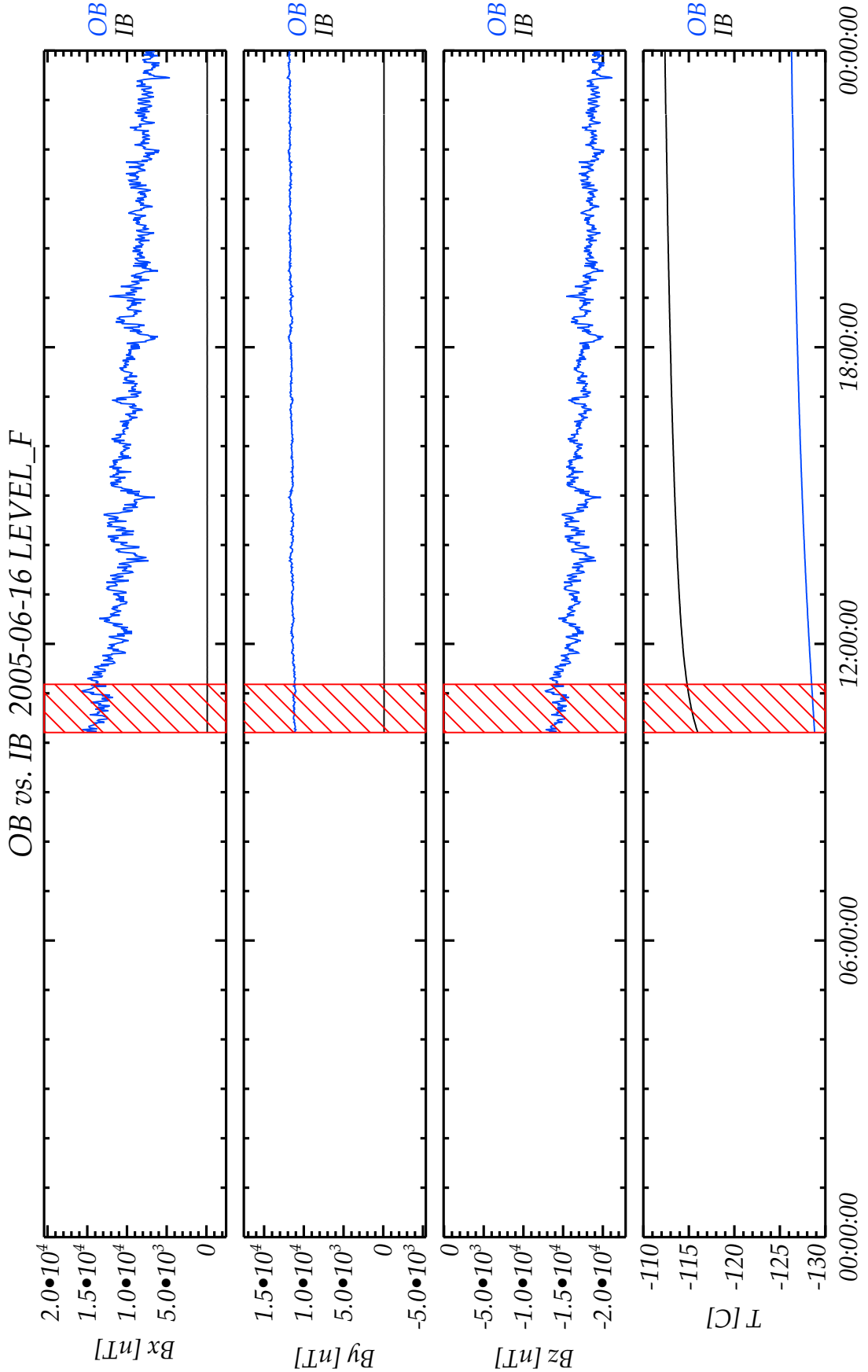
Revision: 5

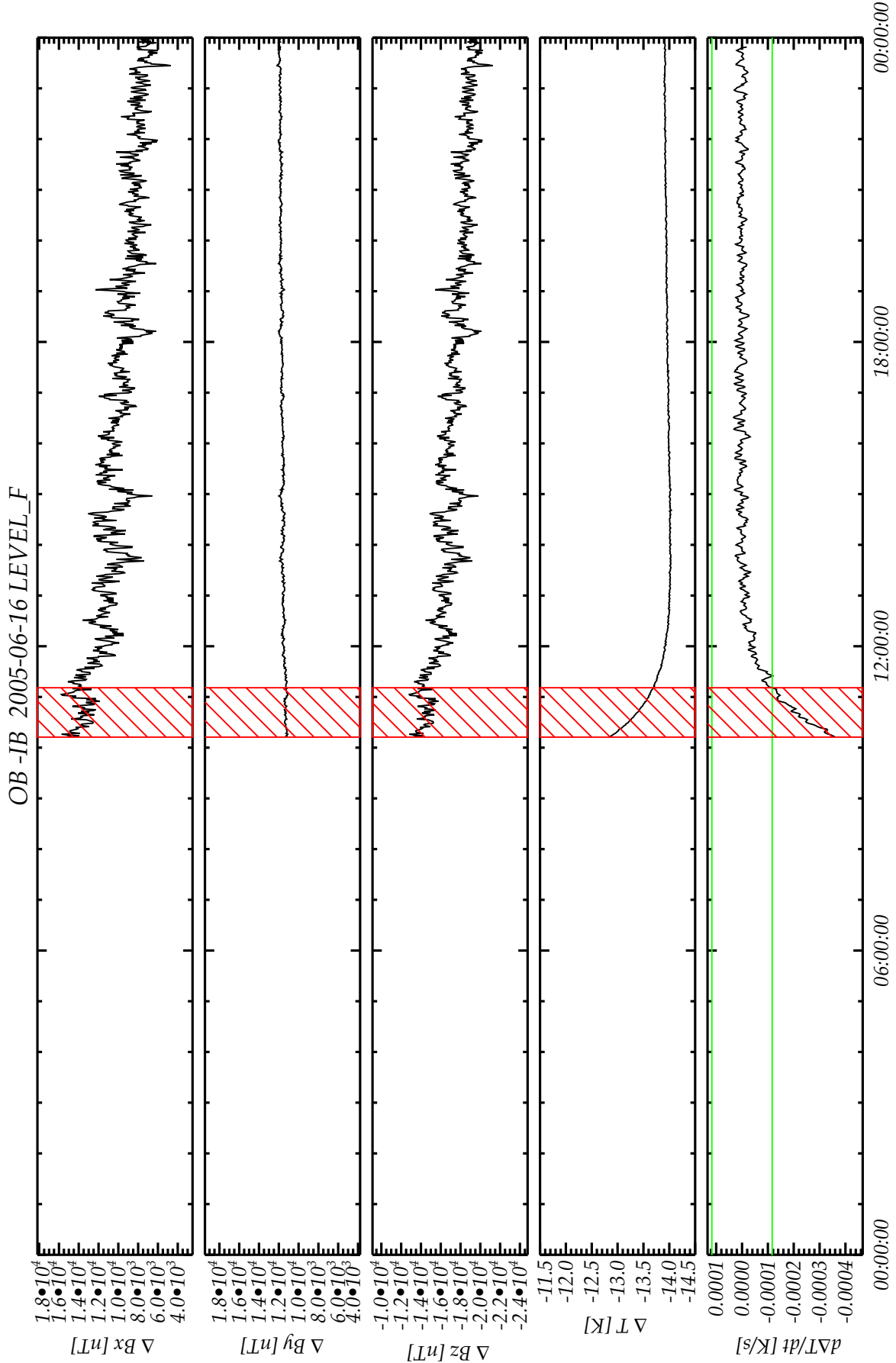
Date: 2007-04-18

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DATE	LEVEL	AVERAGE [s]	SENSOR
2005-06-16	CLF	1	IB
2005-06-16	CLF	1	OB
2005-06-16	CLG	1	IB
2005-06-16	CLG	1	OB
2005-06-17	CLF	1	OB
2005-06-17	CLG	1	OB
2005-06-17	CLG	1	IB
2005-06-17	CLF	1	IB
2005-06-18	CLF	1	OB
2005-06-18	CLG	1	OB
2005-06-18	CLG	1	IB
2005-06-18	CLF	1	IB
2005-06-19	CLG	1	OB
2005-06-19	CLF	1	OB
2005-06-19	CLG	1	IB
2005-06-19	CLF	1	IB
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2005-06-21	CLF	1	IB

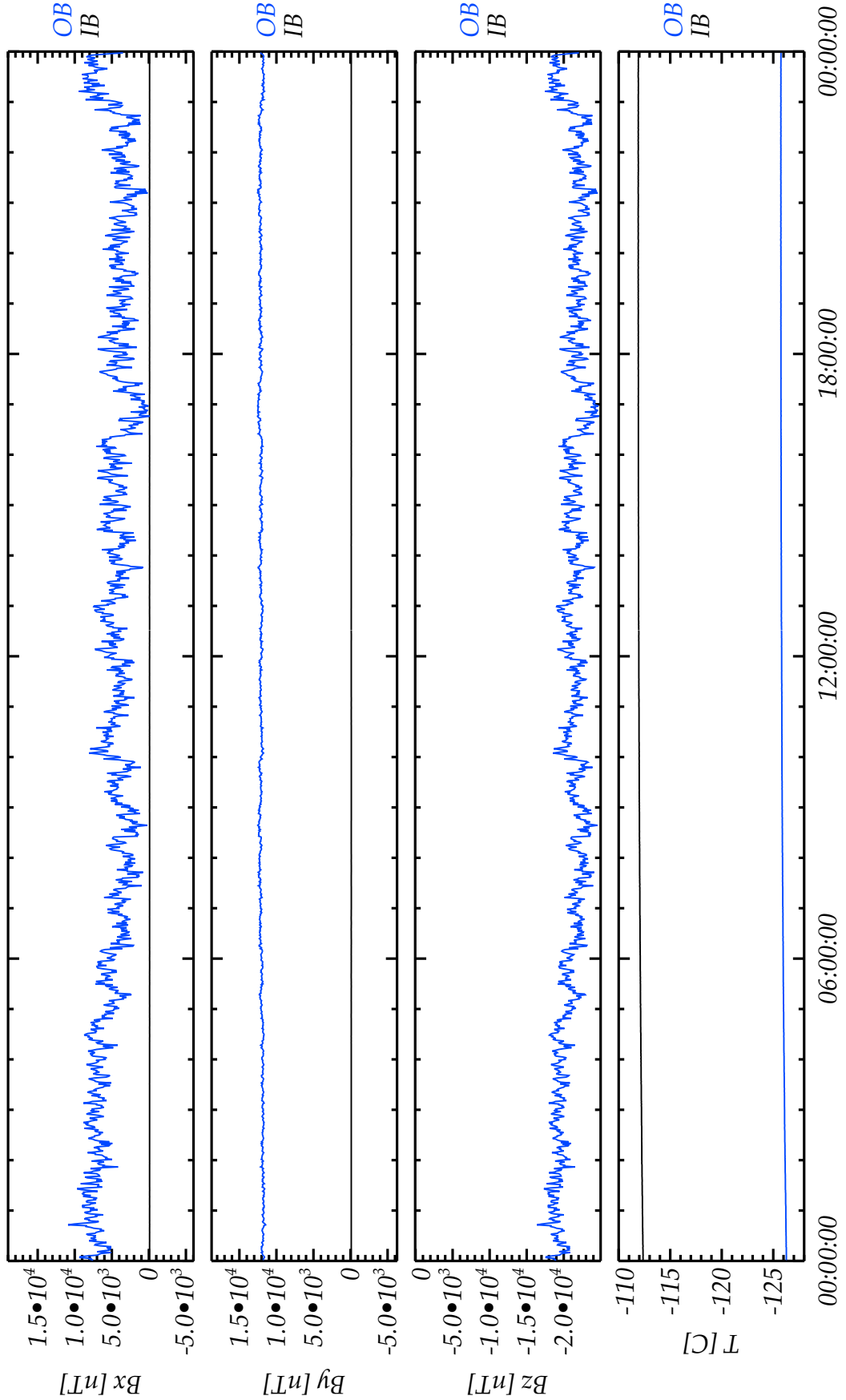
Data from June 16, 2005 to June 19, 2005 are not usable, as the instrument could not be powered on successfully.



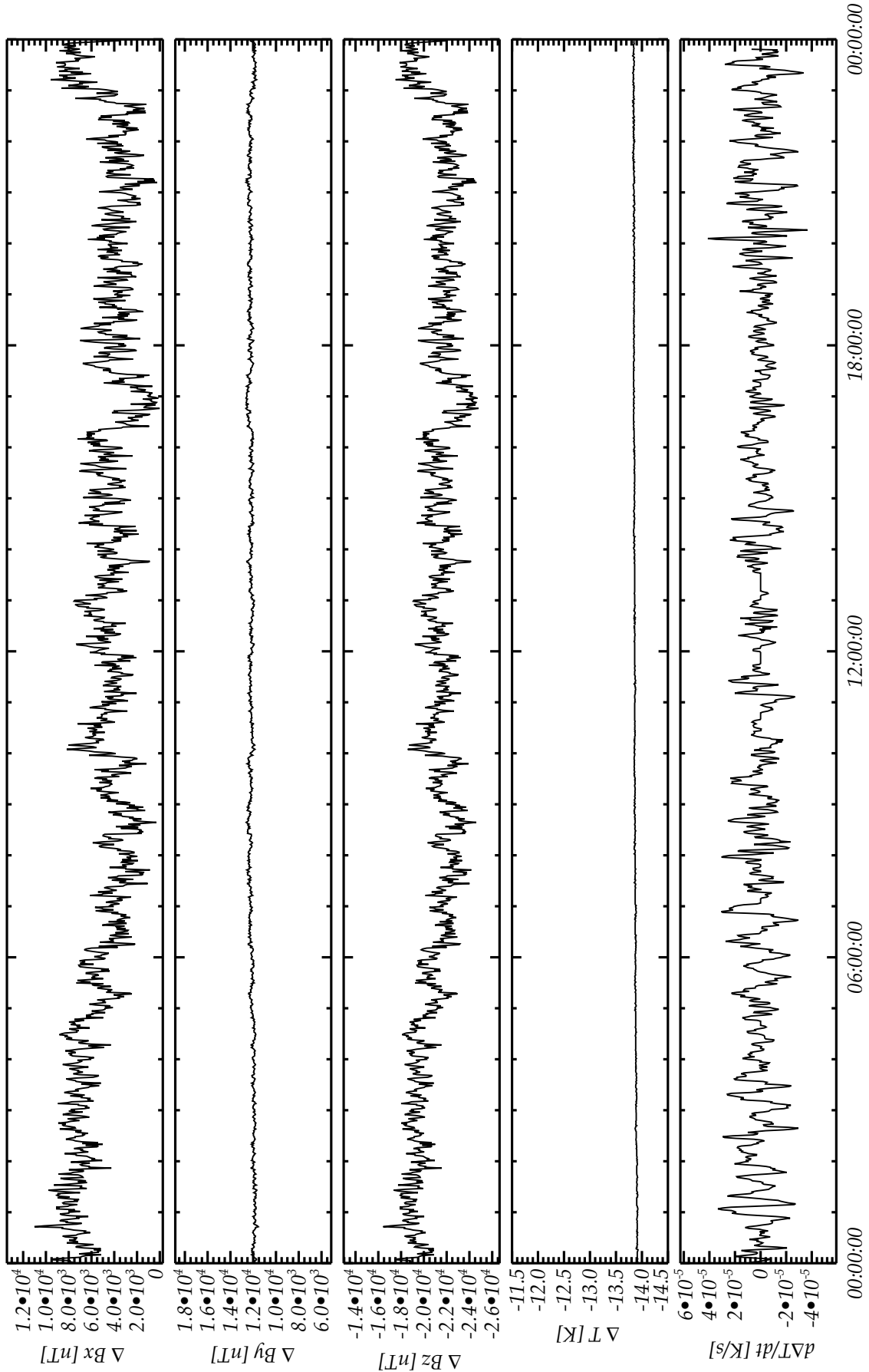


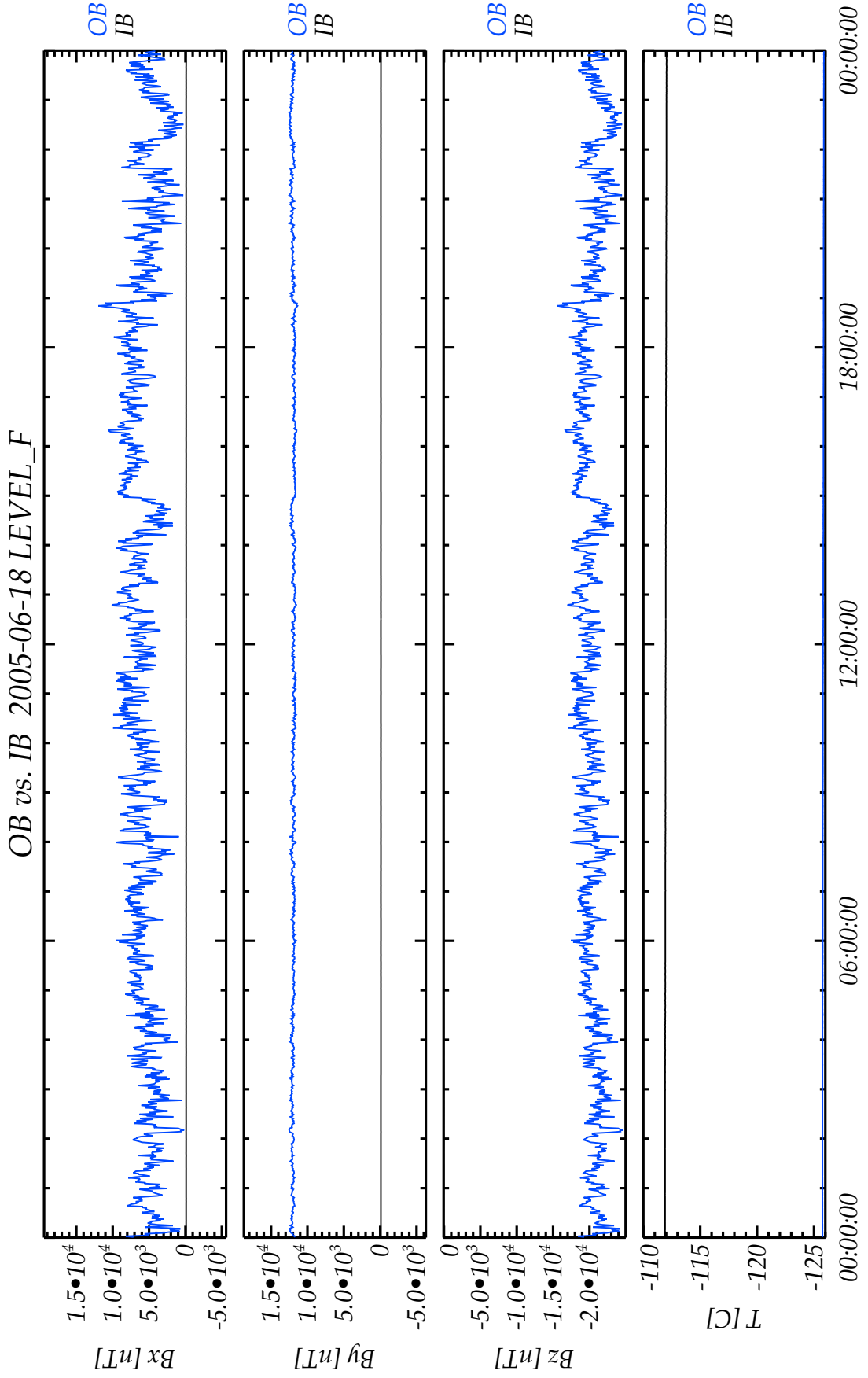


OB vs. IB 2005-06-17 LEVEL\_F

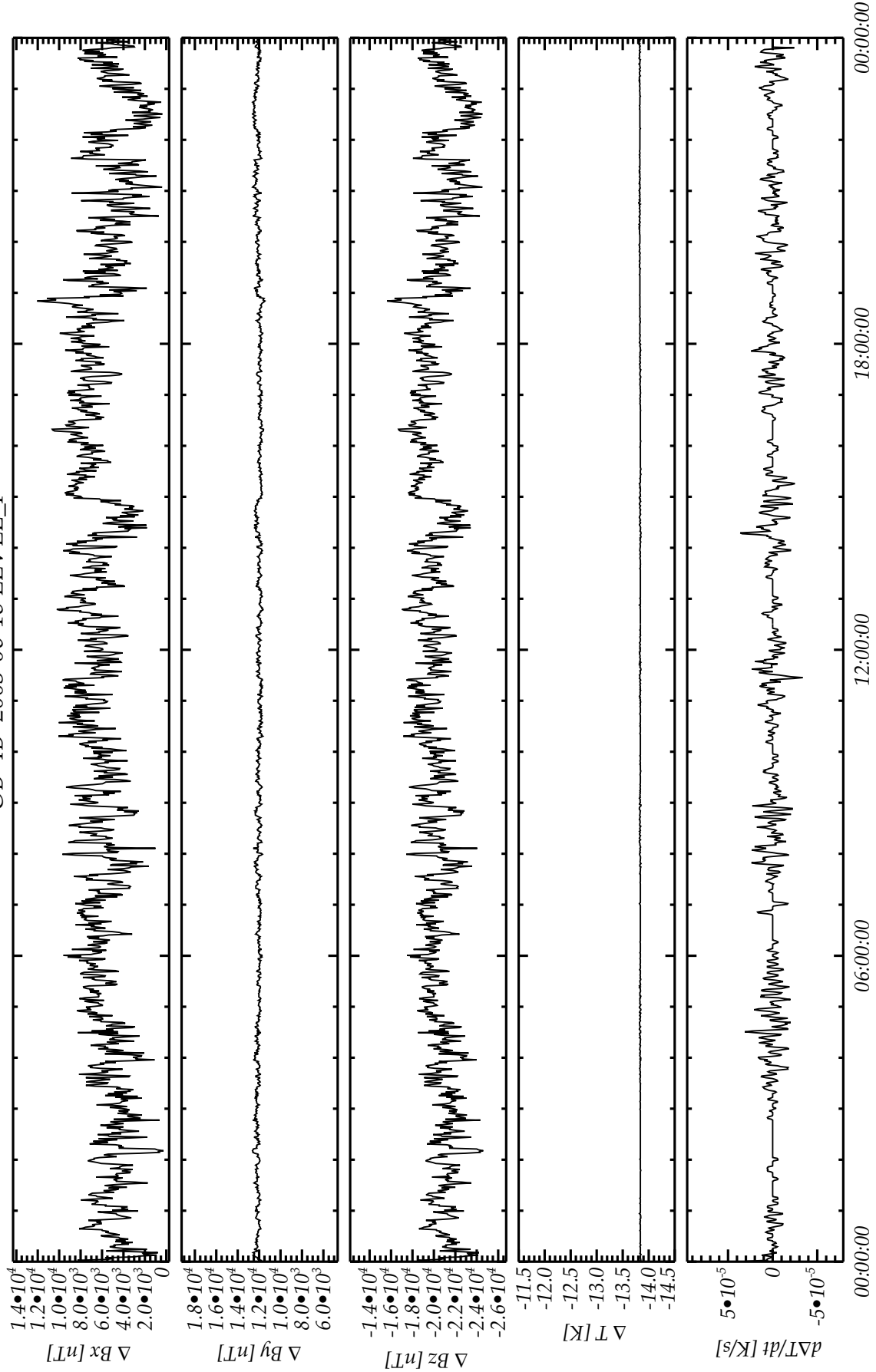


OB-IB 2005-06-17 LEVEL\_F

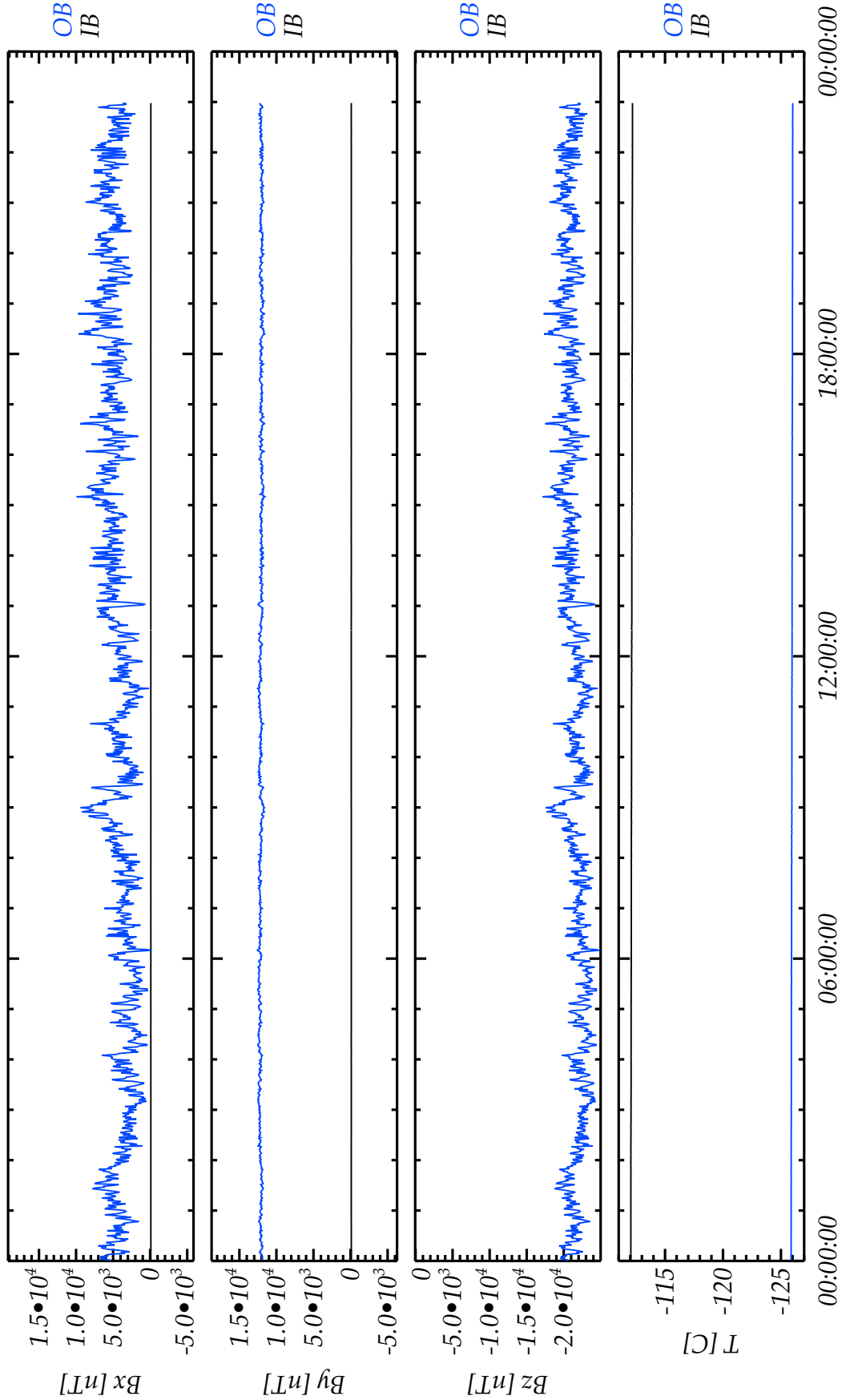




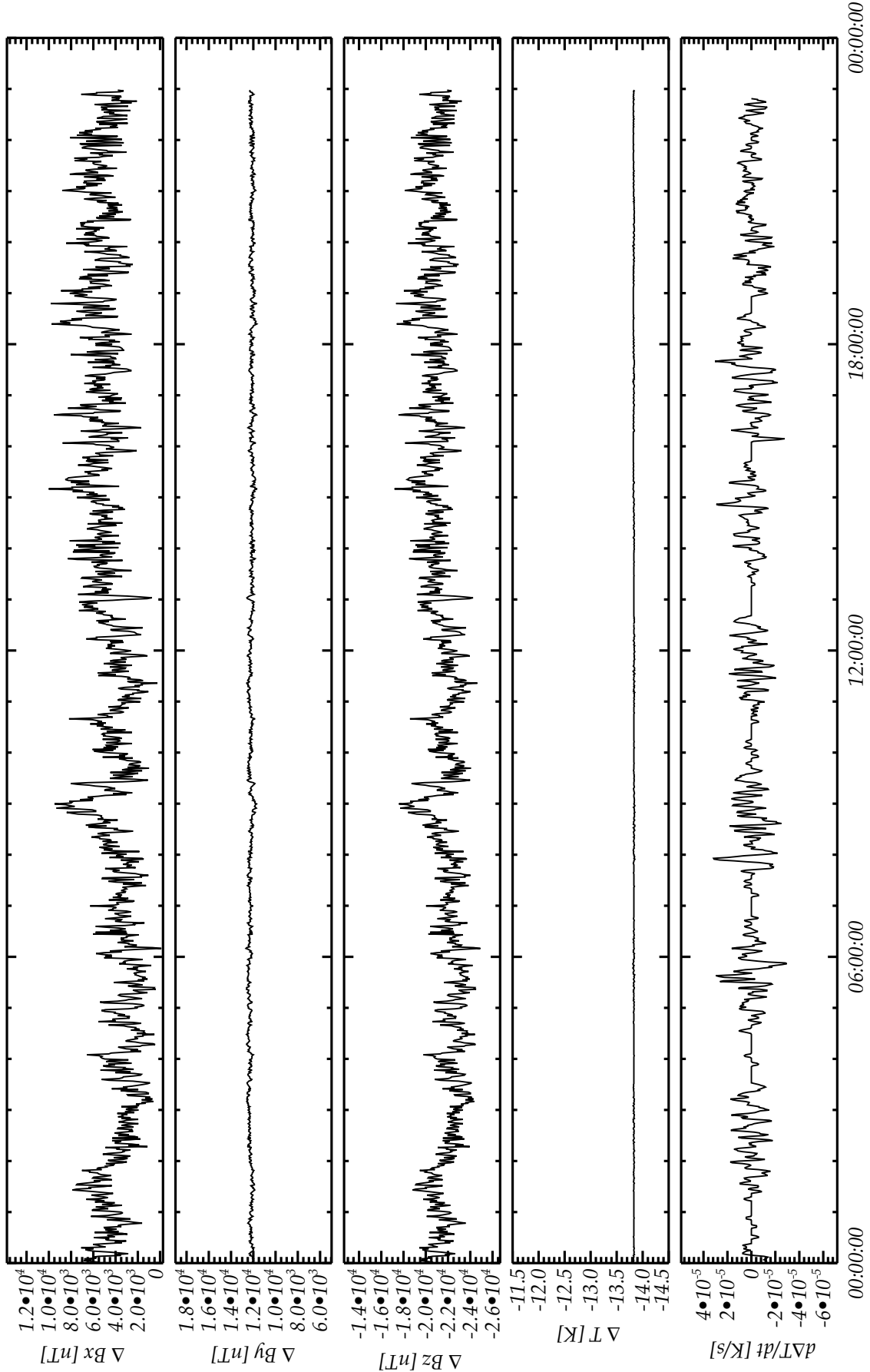
OB-IB 2005-06-18 LEVEL\_F

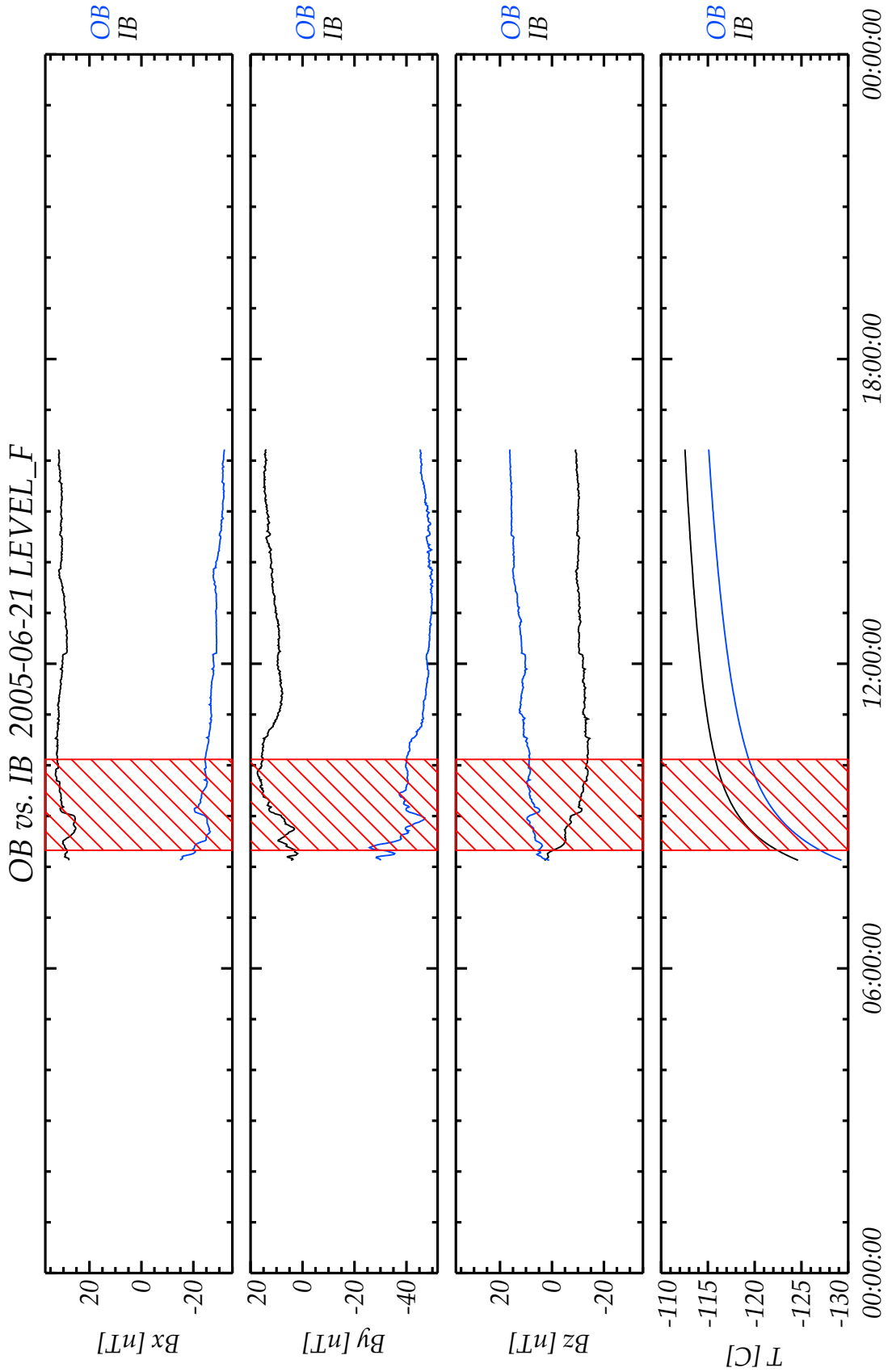


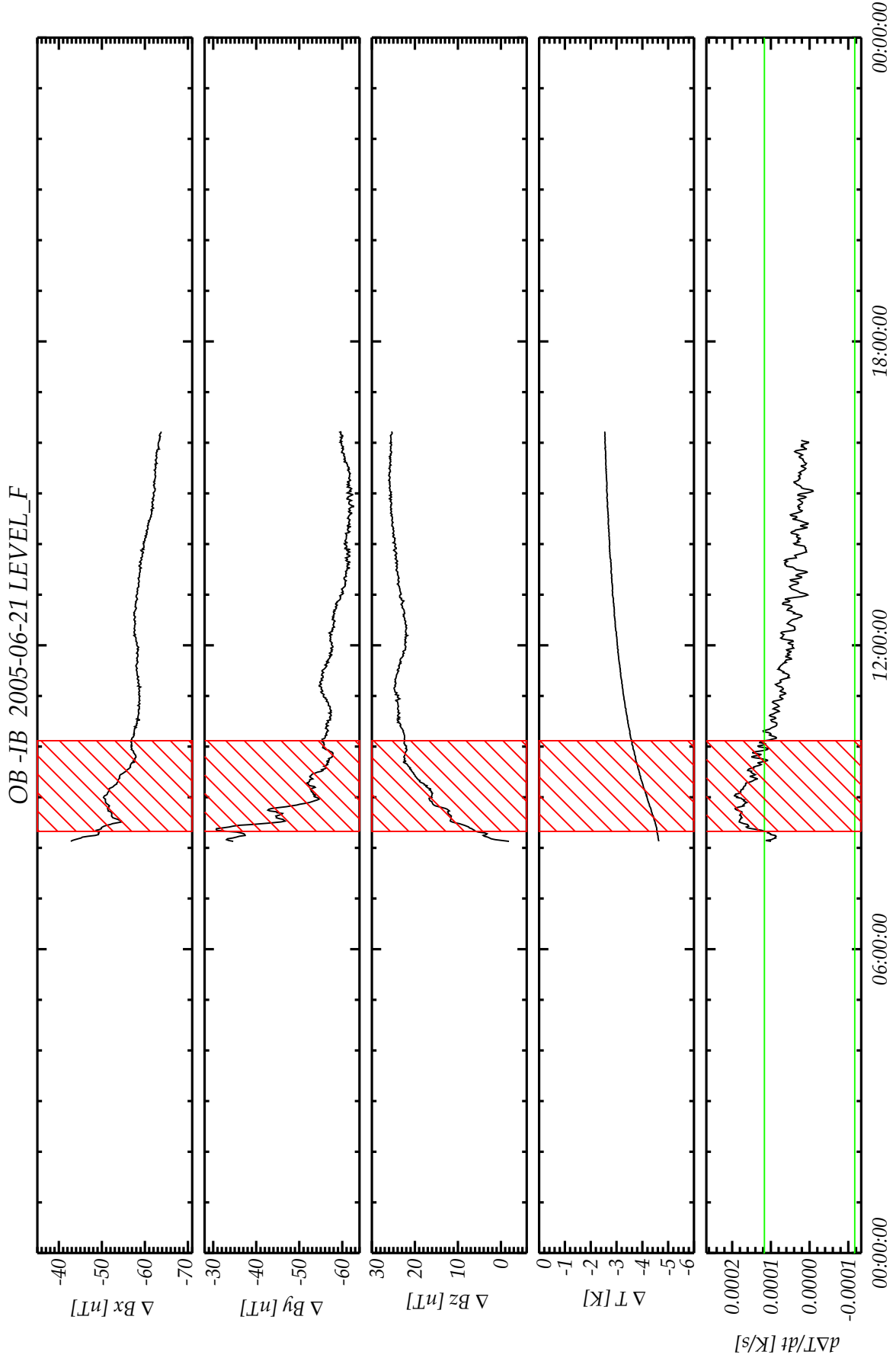
OB vs. IB 2005-06-19 LEVEL\_F



OB-IB 2005-06-19 LEVEL\_F









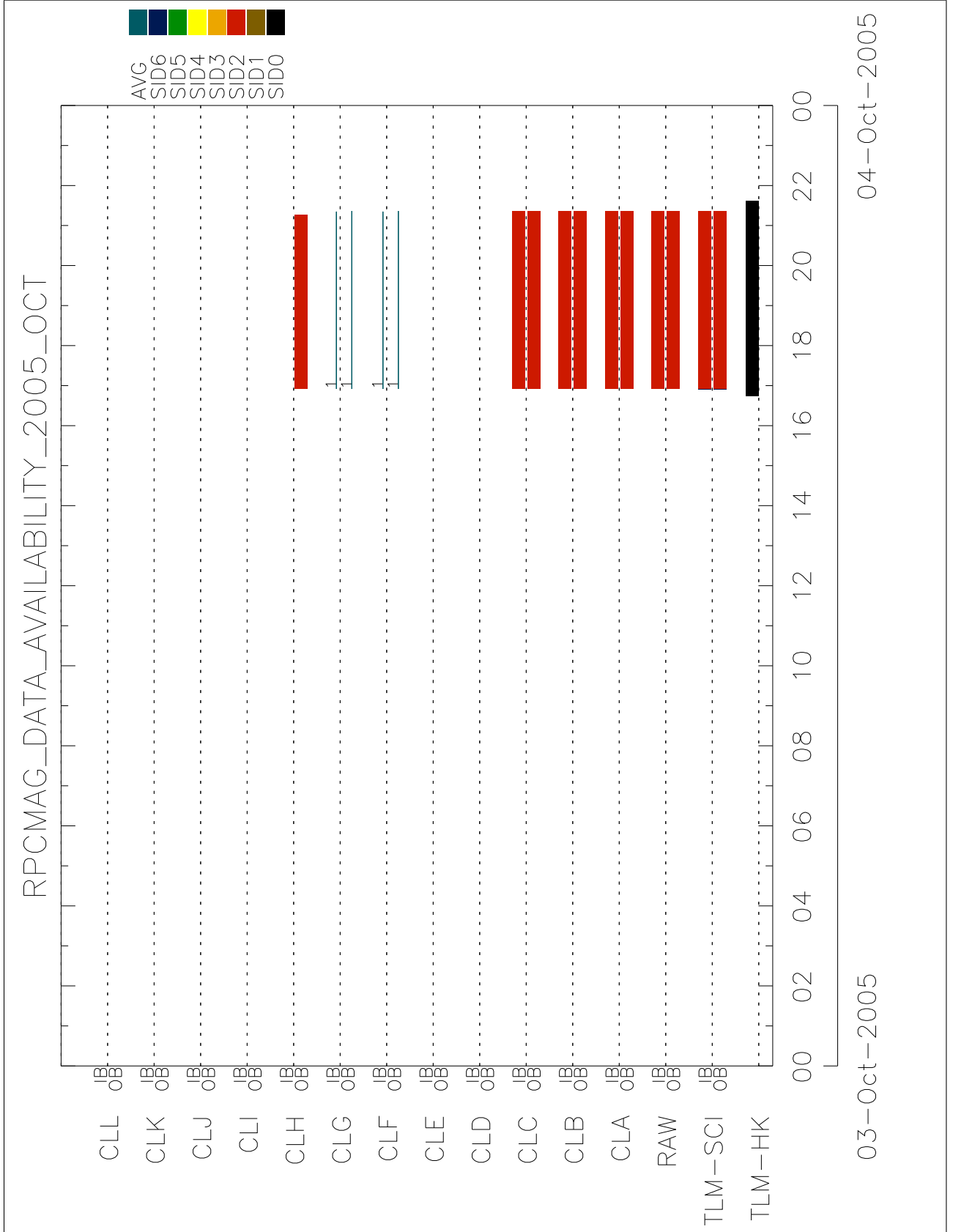
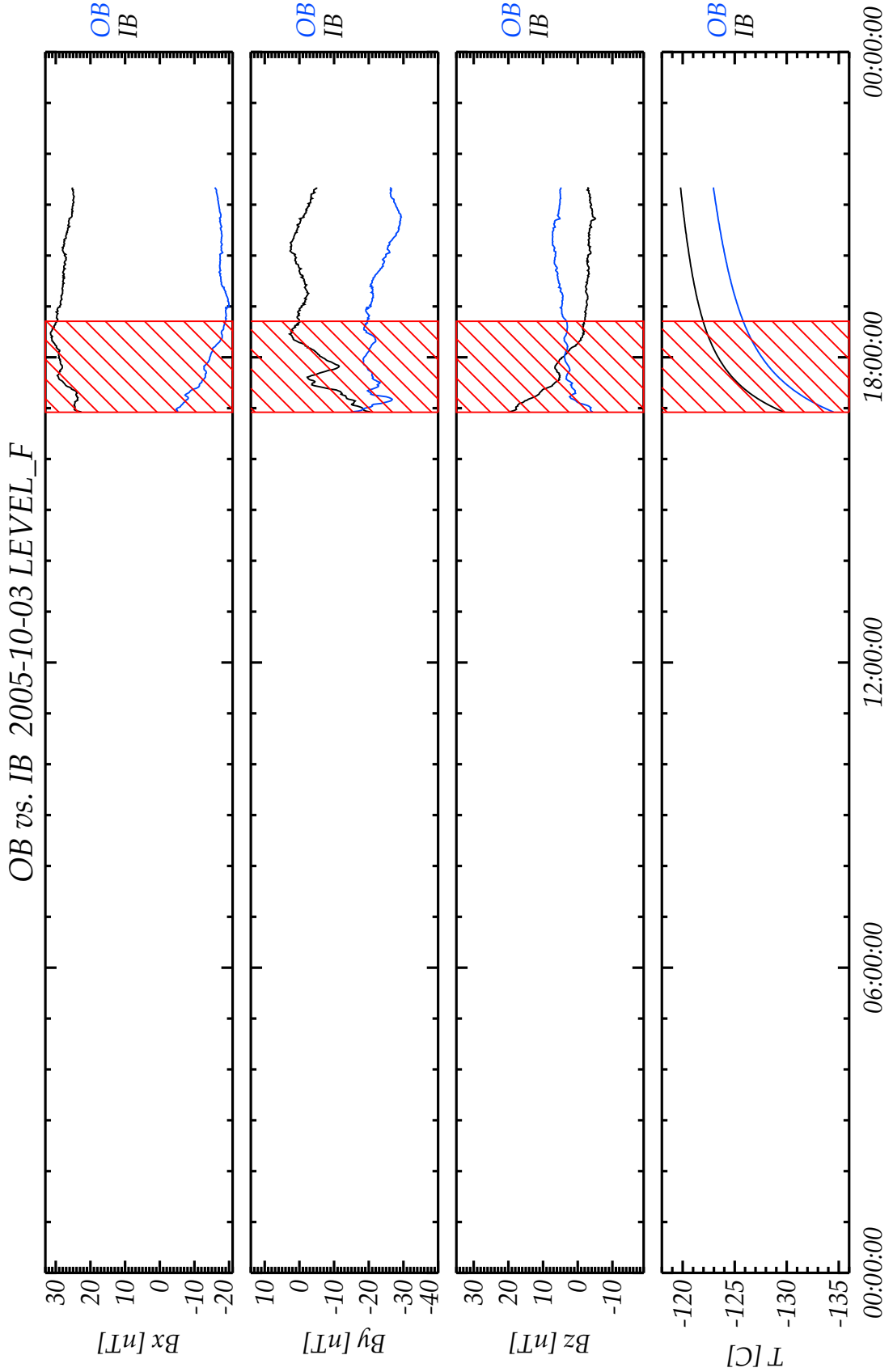
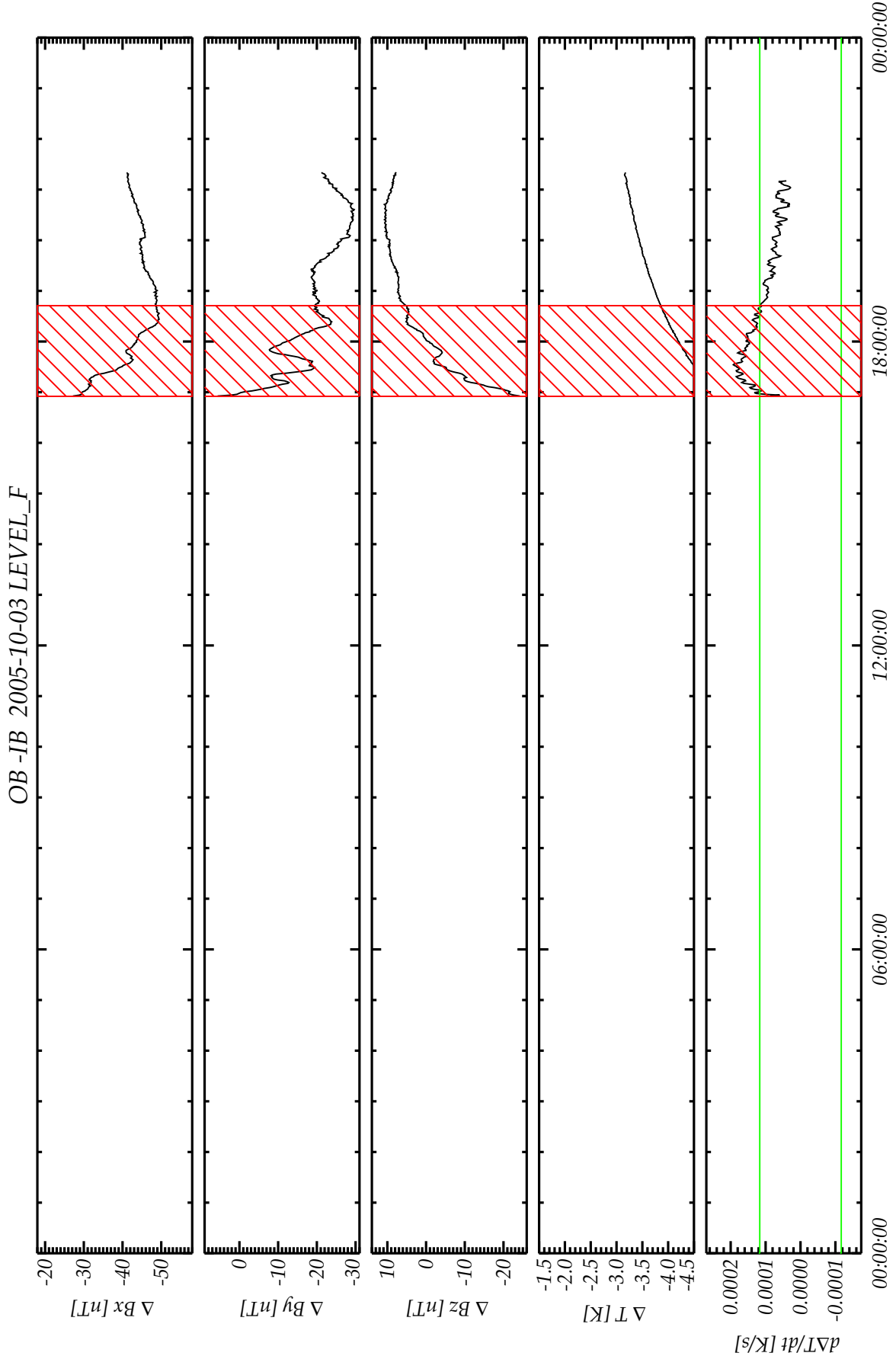


Figure 9: Overview October 2005

<h1 style="margin: 0;">R O S E T T A</h1>	Document: RO-IGEP-TR-0017 Issue: 1 Revision: 5
<h1 style="margin: 0;">IGEP</h1> Institut für Geophysik u. extraterr. Physik Technische Universität Braunschweig	Date: 2007-04-18 Page: 88

DATE	LEVEL	AVERAGE [s]	SENSOR
2005-10-03	CLF	1	IB
2005-10-03	CLG	1	IB
2005-10-03	CLG	1	OB
2005-10-03	CLF	1	OB





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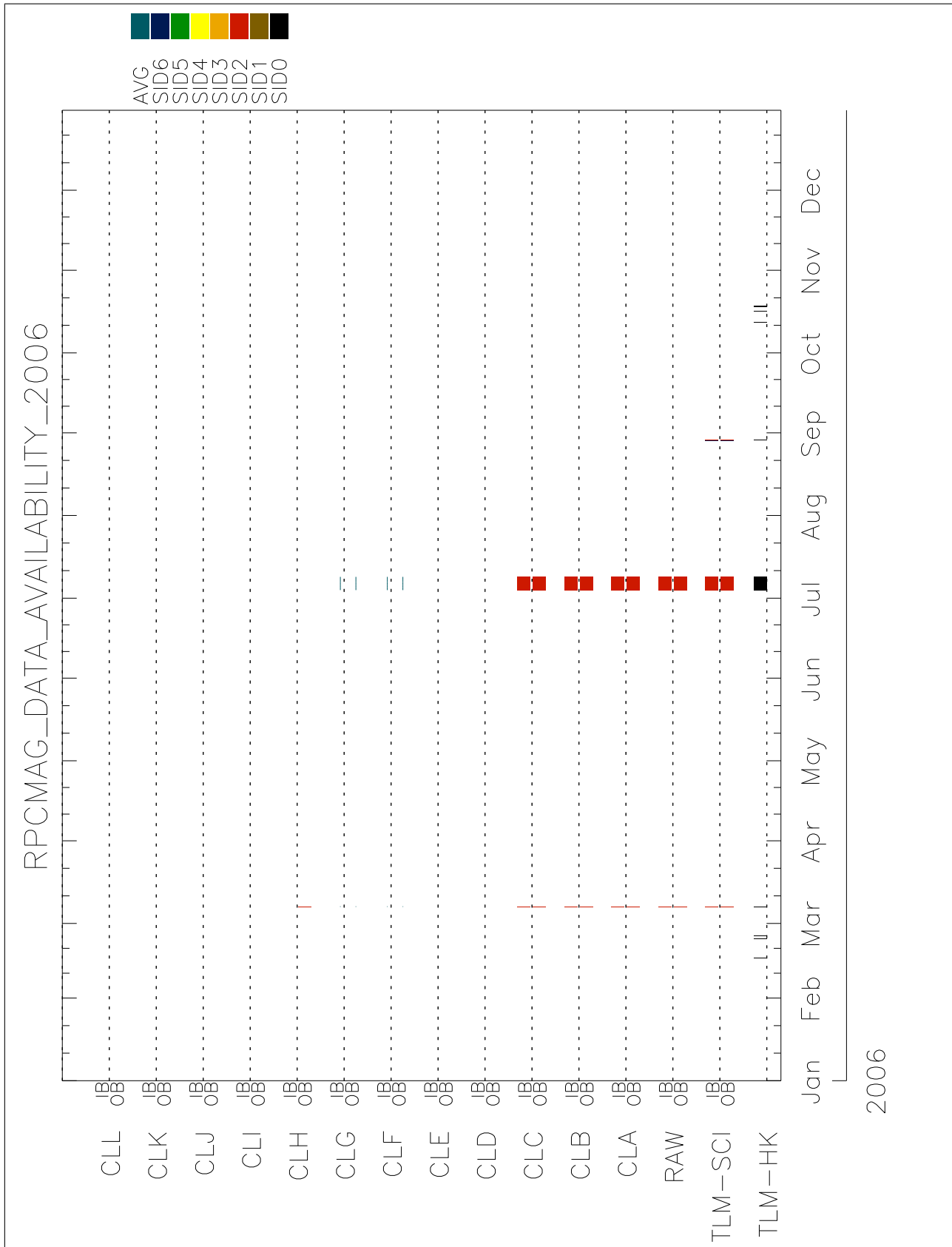


Figure 10: Overview 2006

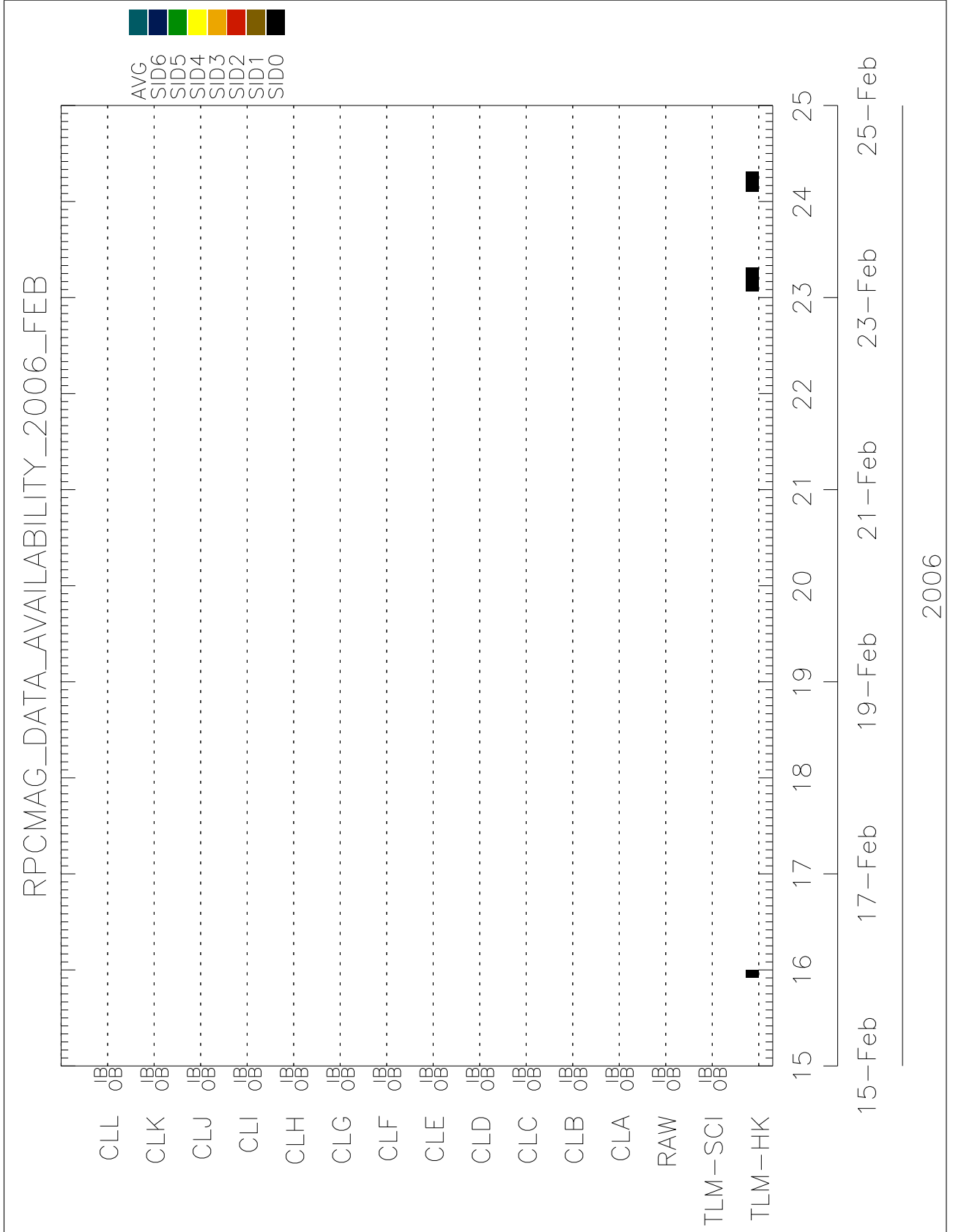


Figure 11: Overview February 2006

<h1 style="margin: 0;">R O S E T T A</h1>	Document: RO-IGEP-TR-0017 Issue: 1 Revision: 5
<h1 style="margin: 0;">IGEP</h1> Institut für Geophysik u. extraterr. Physik Technische Universität Braunschweig	Date: 2007-04-18 Page: 94

DATE	LEVEL	AVERAGE [s]	SENSOR



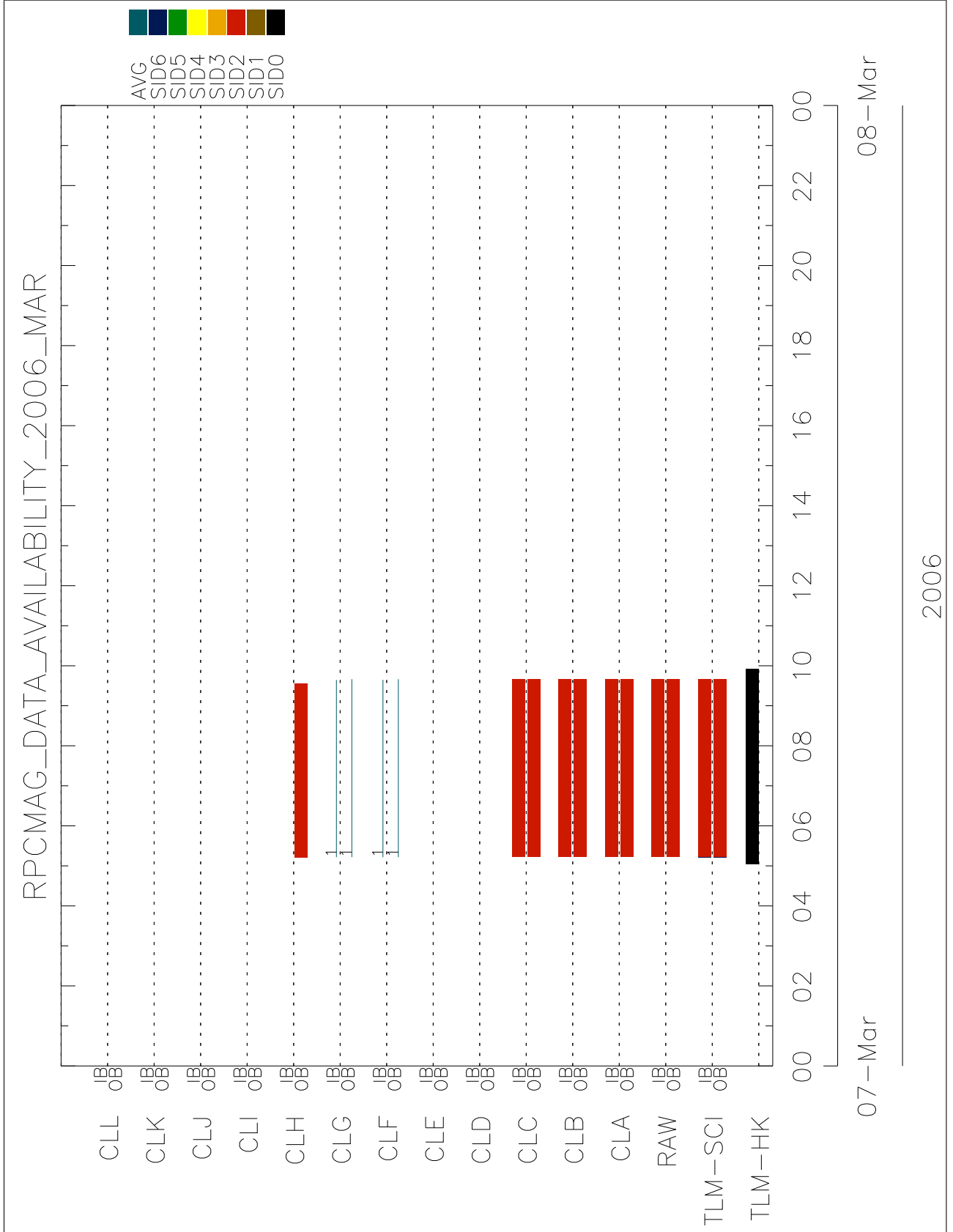
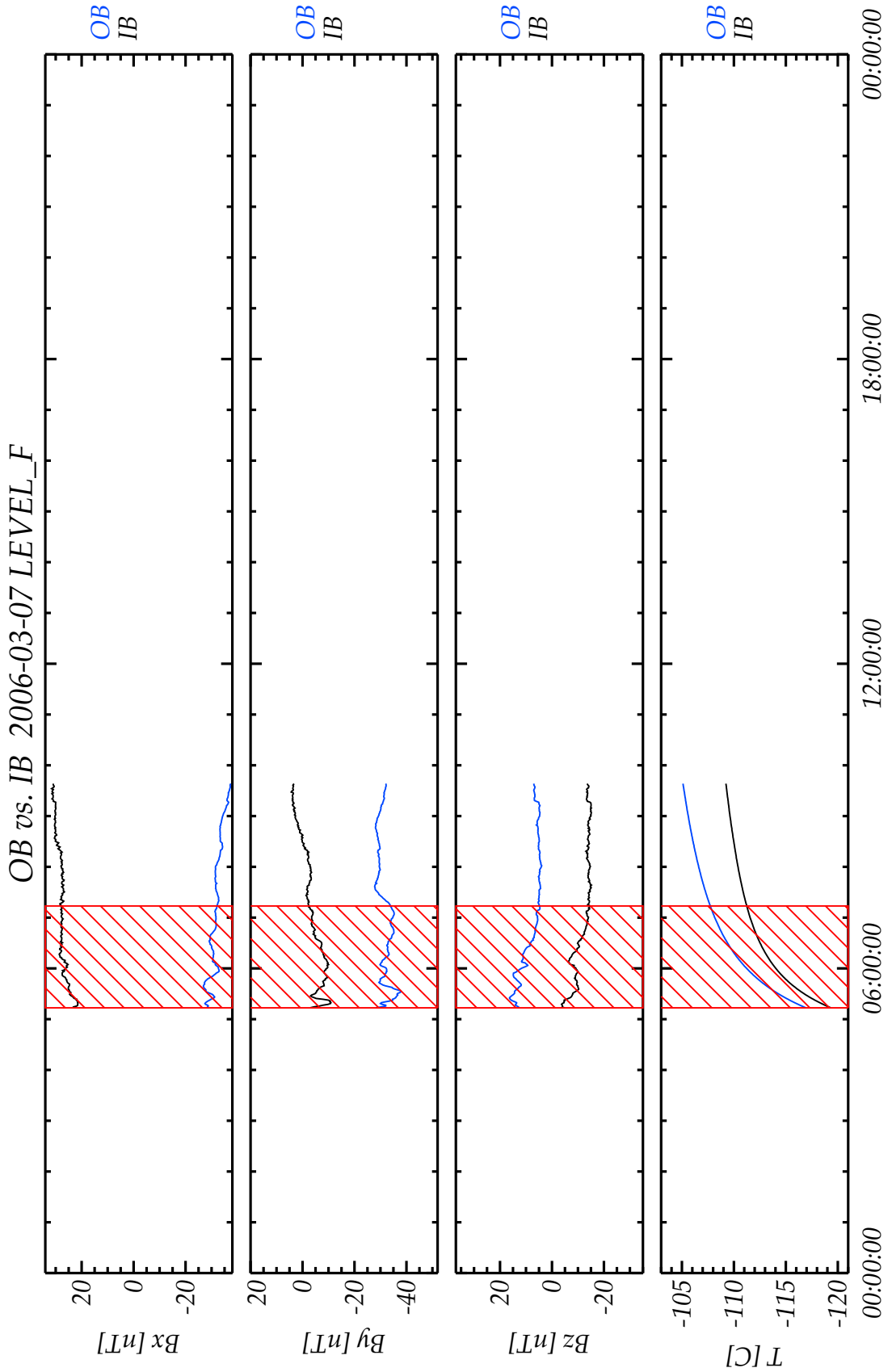
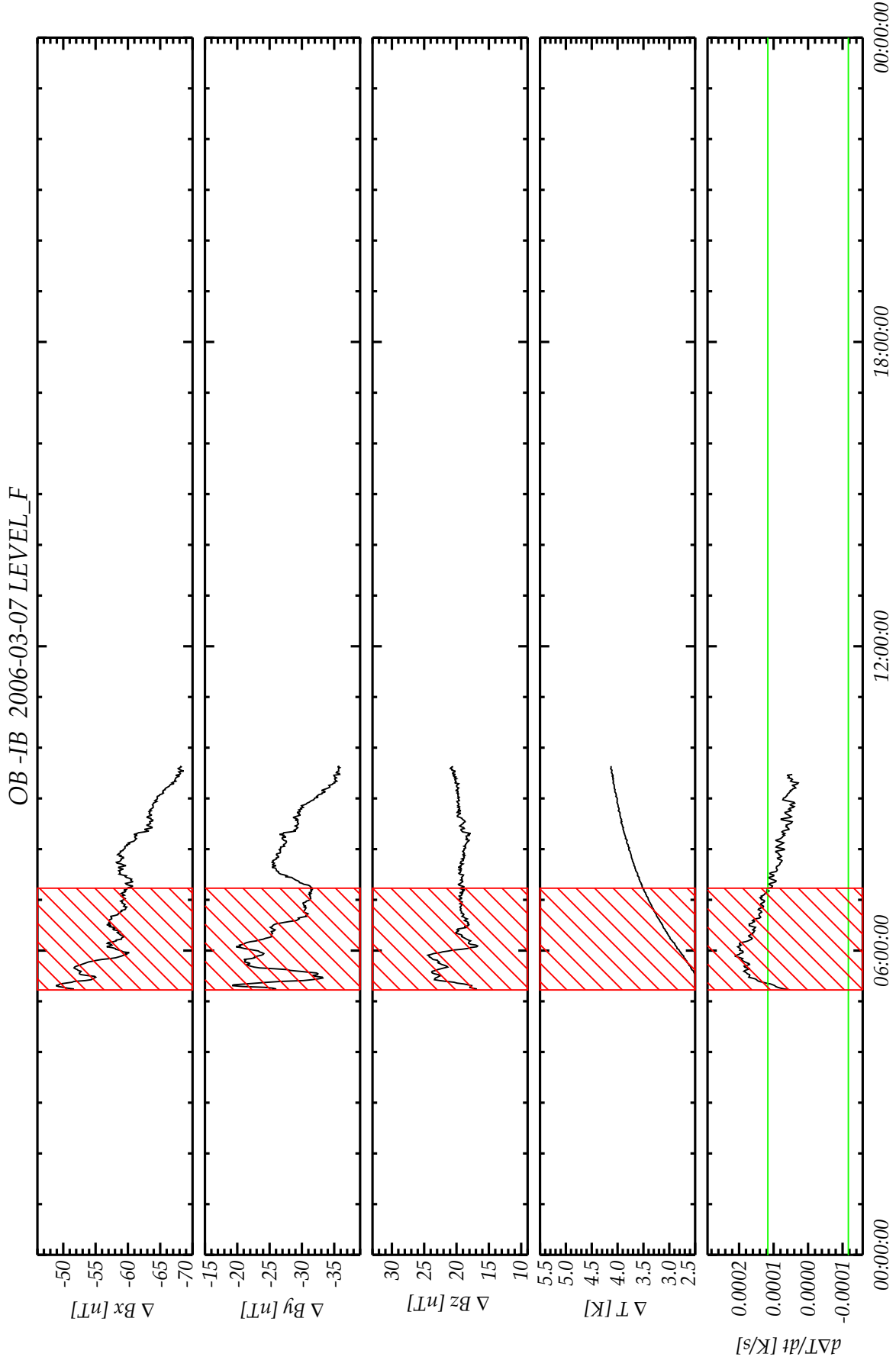


Figure 12: Overview March 2006

<h1 style="margin: 0;">R O S E T T A</h1>	Document: RO-IGEP-TR-0017 Issue: 1 Revision: 5 Date: 2007-04-18 Page: 96
<h1 style="margin: 0;">IGEP</h1> Institut für Geophysik u. extraterr. Physik Technische Universität Braunschweig	

DATE	LEVEL	AVERAGE [s]	SENSOR
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2006-03-07	CLG	1	OB
2006-03-07	CLF	1	IB
2006-03-07	CLG	1	IB





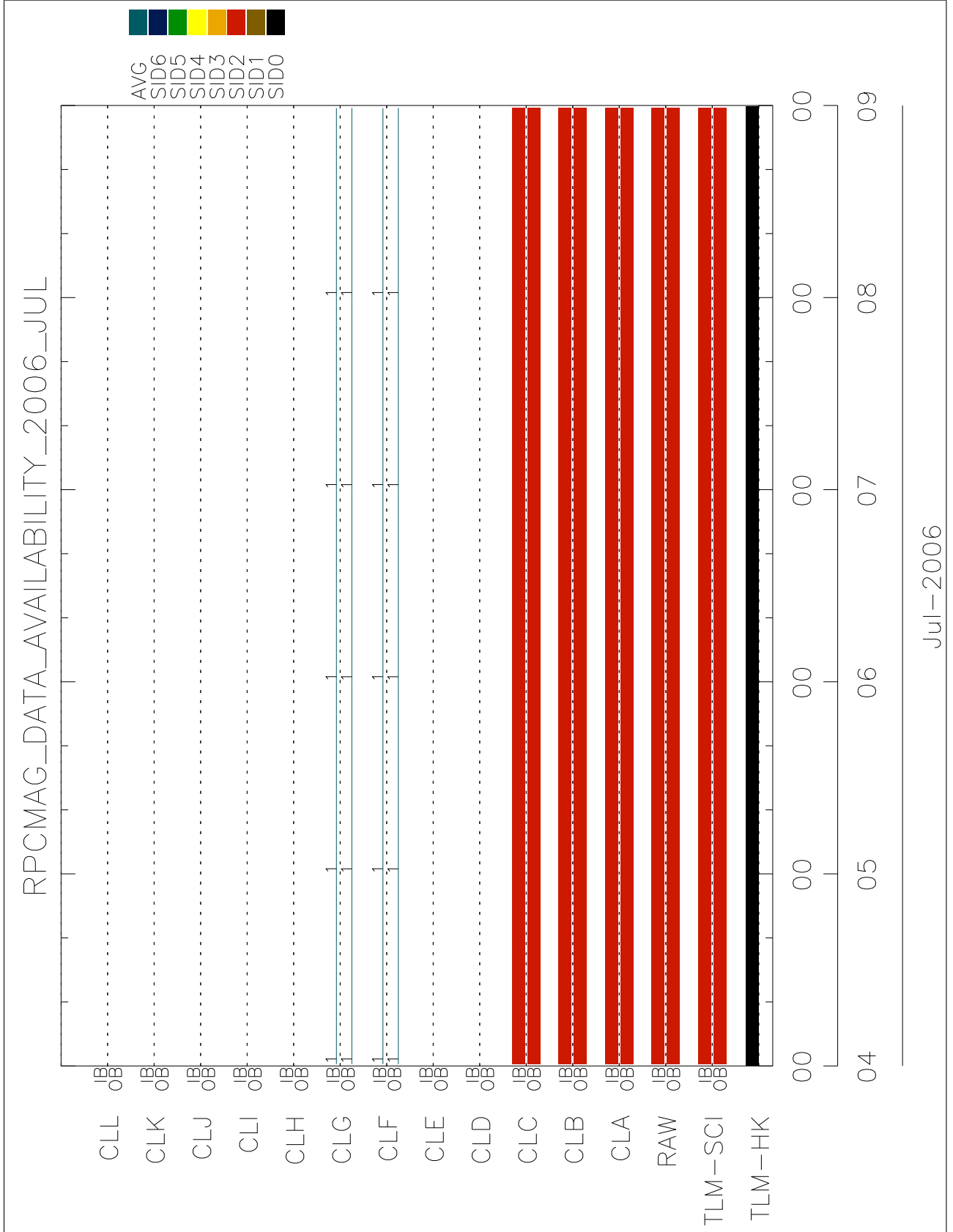


Figure 13: Overview February 2006

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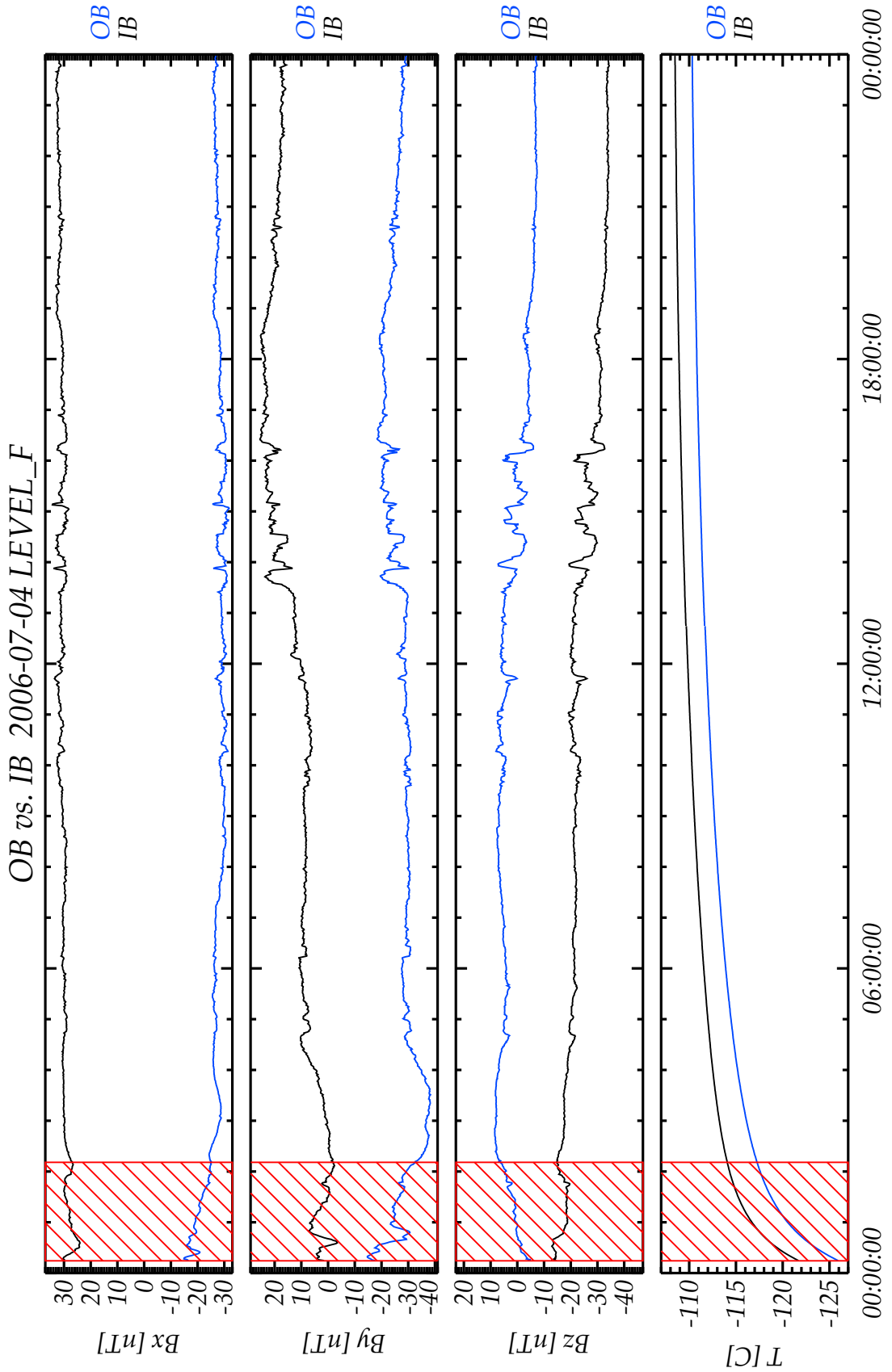
Issue: 1

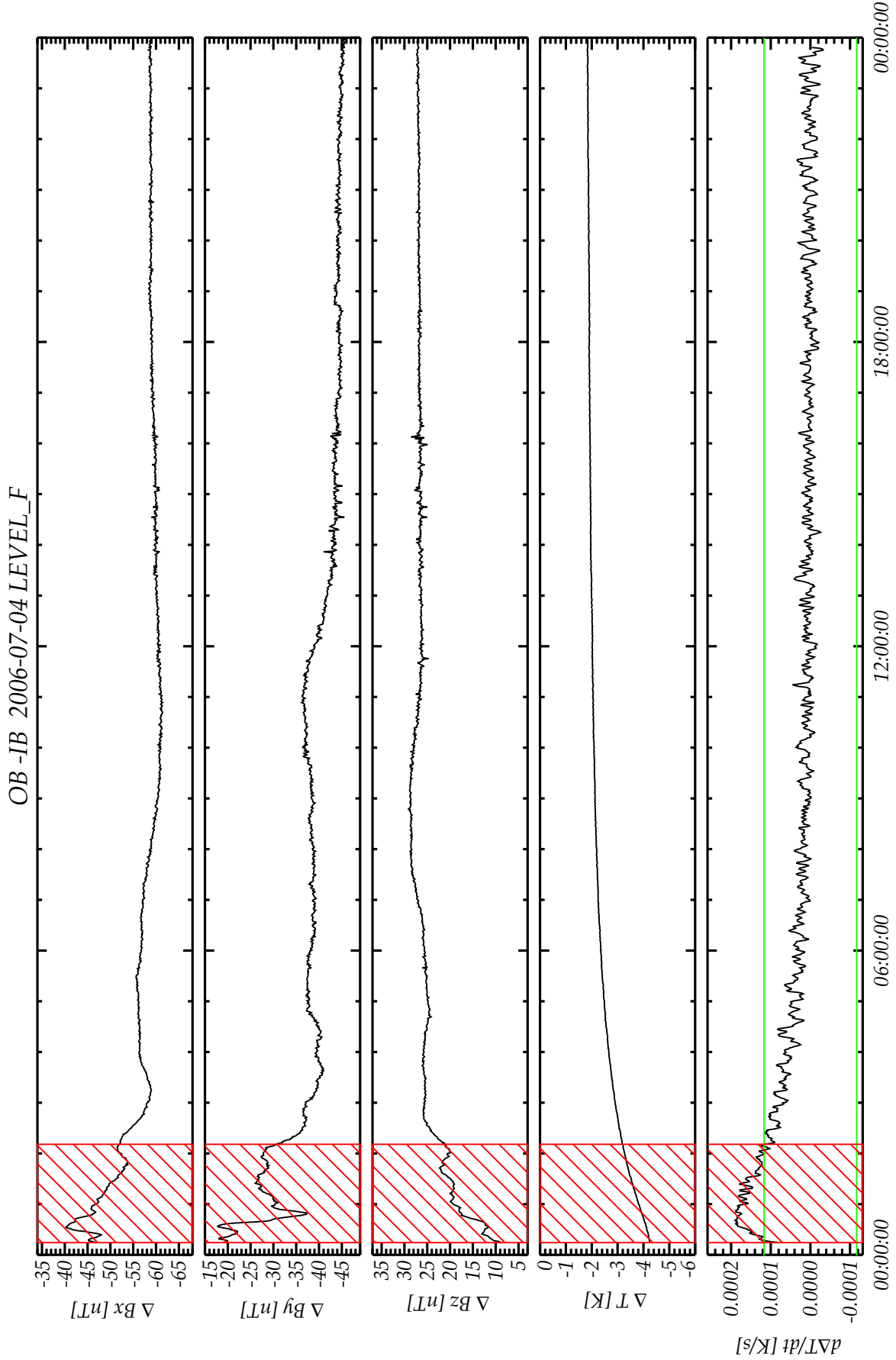
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Date: 2007-04-18

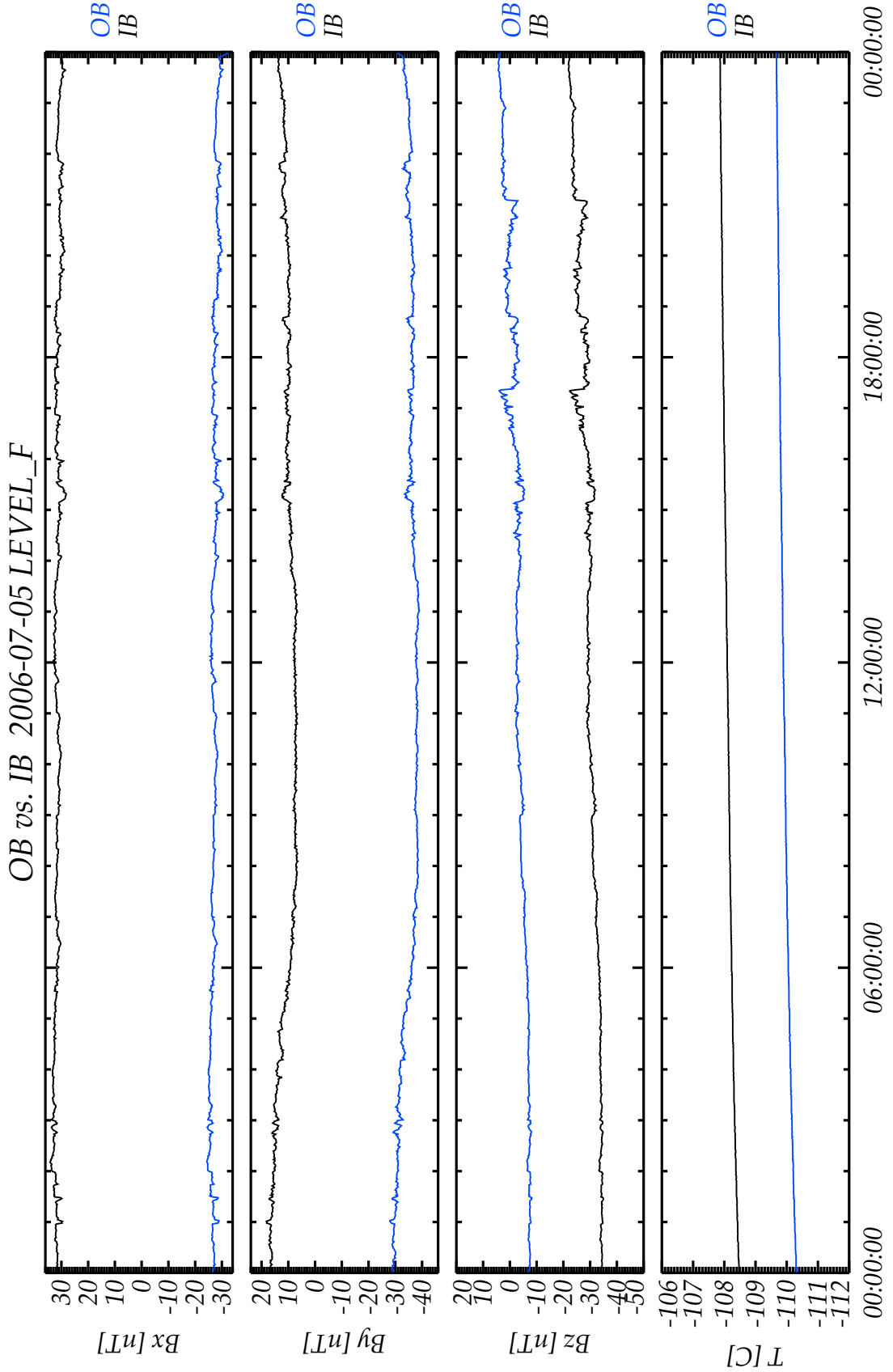
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2006-07-04	CLG	1	IB
2006-07-04	CLG	1	OB
2006-07-05	CLF	1	OB
2006-07-05	CLG	1	OB
2006-07-05	CLG	1	IB
2006-07-05	CLF	1	IB
2006-07-06	CLG	1	OB
2006-07-06	CLF	1	OB
2006-07-06	CLG	1	IB
2006-07-06	CLF	1	IB
2006-07-07	CLF	1	OB
2006-07-07	CLG	1	OB
2006-07-07	CLF	1	IB
2006-07-07	CLG	1	IB
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2006-07-08	CLF	1	IB

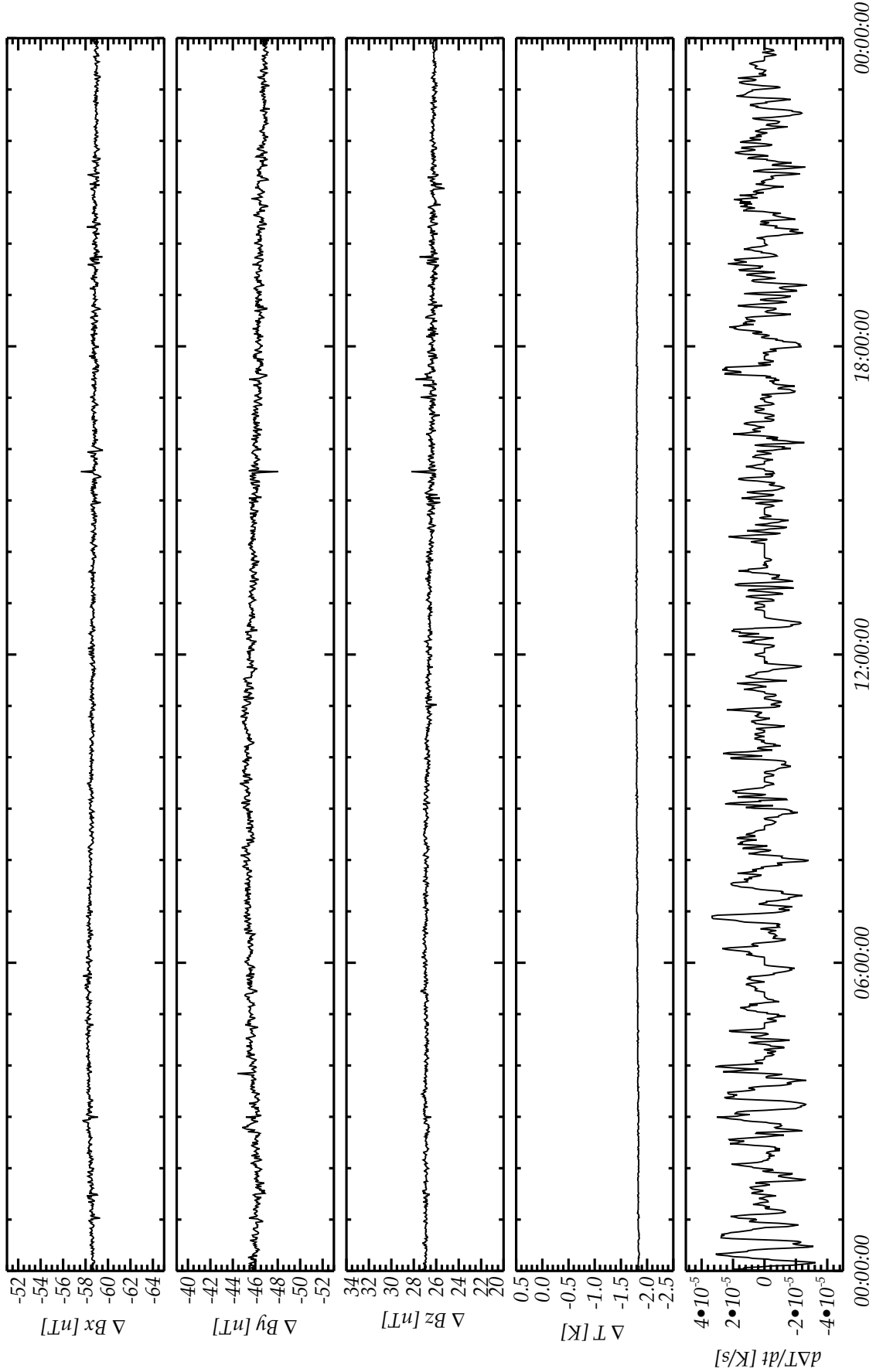


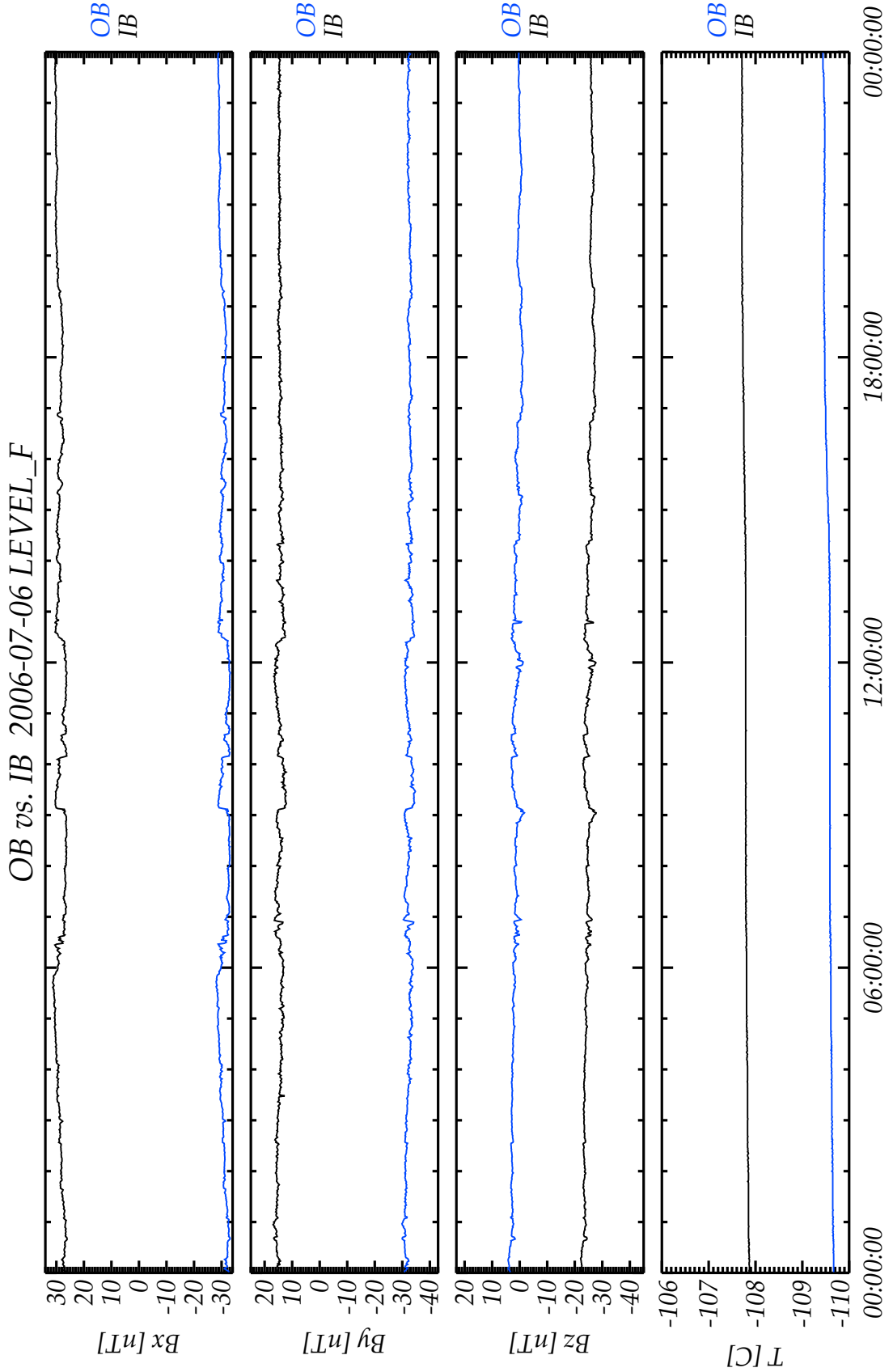




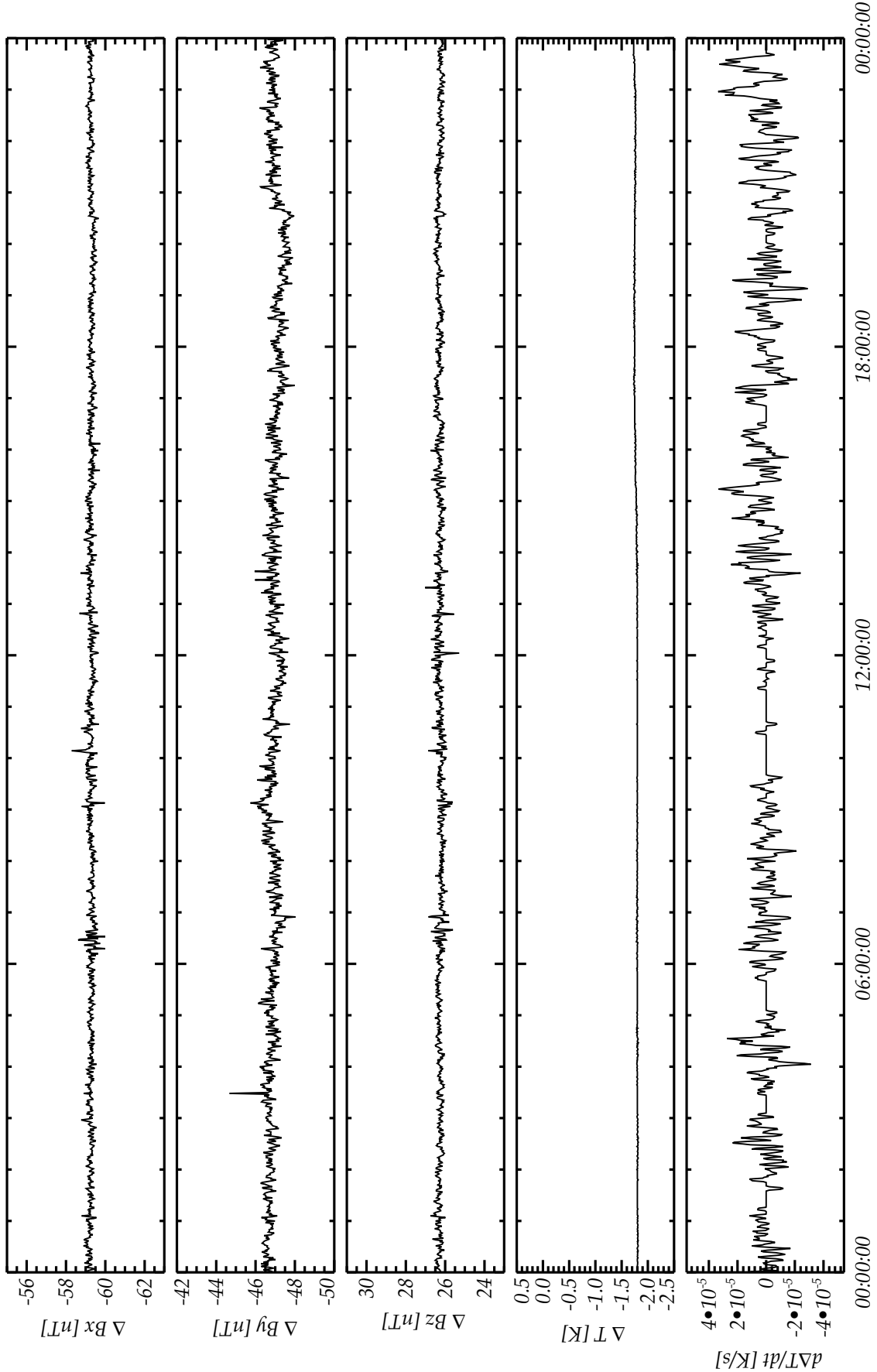


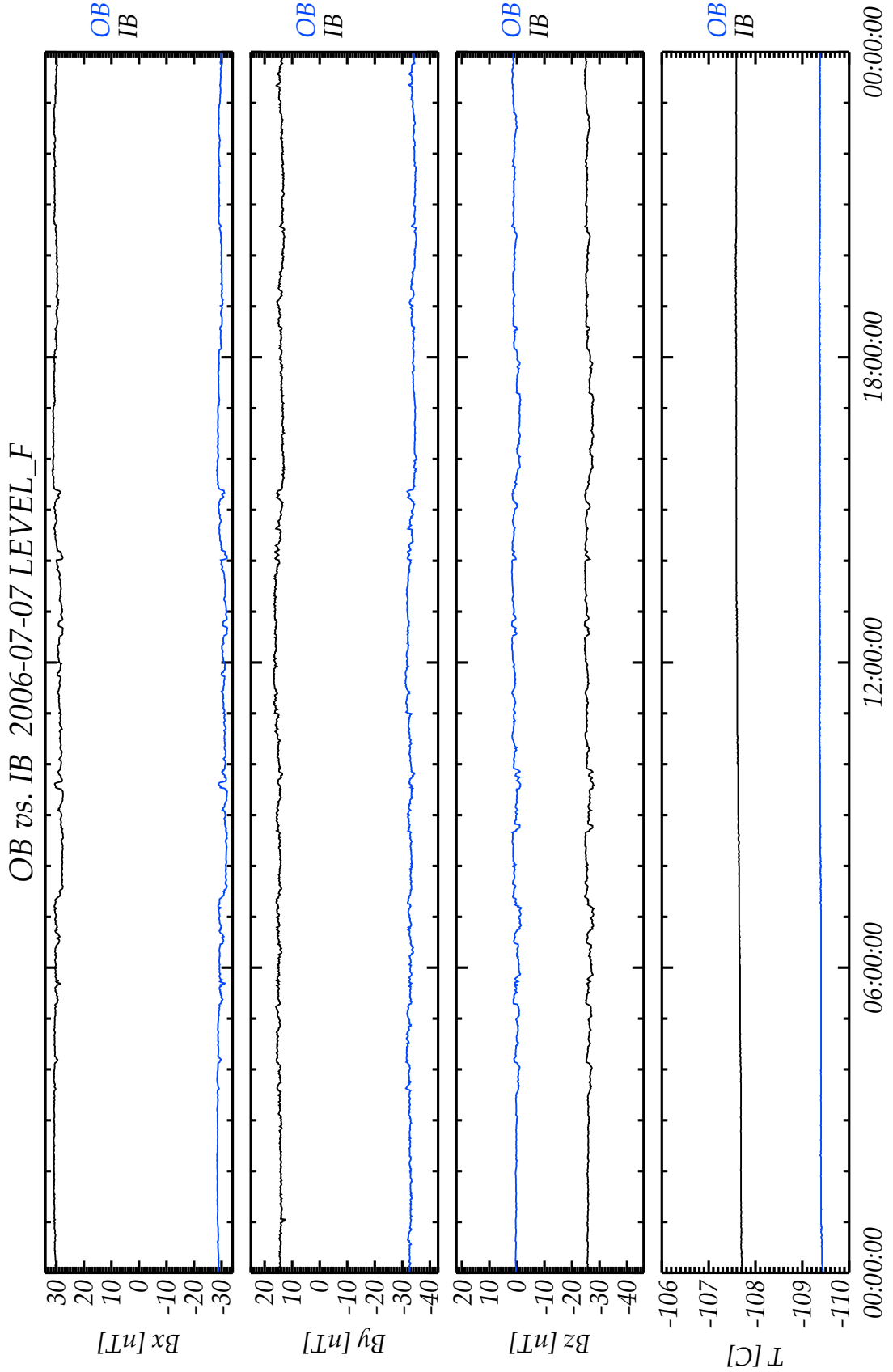
OB-IB 2006-07-05 LEVEL\_F



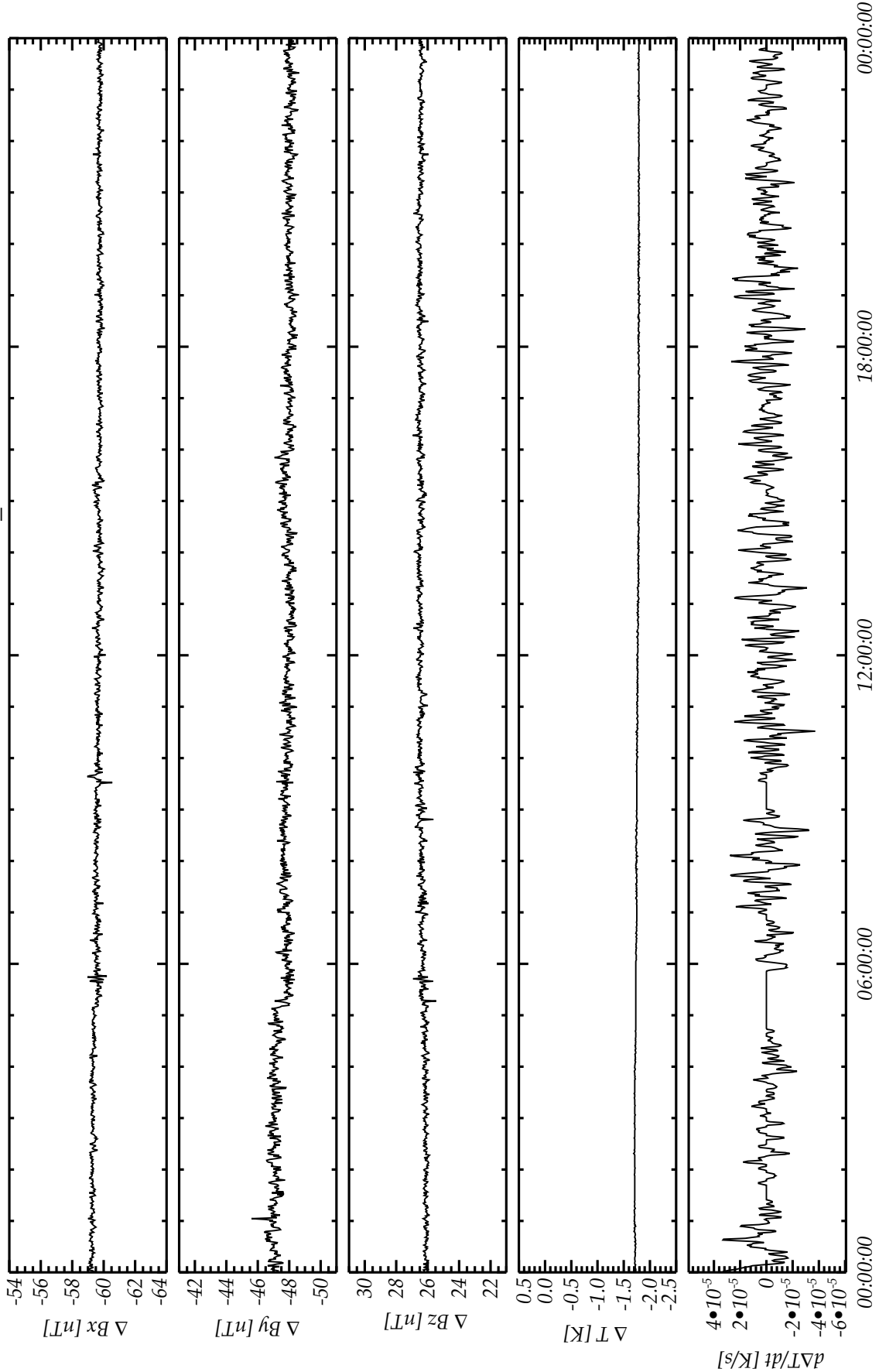


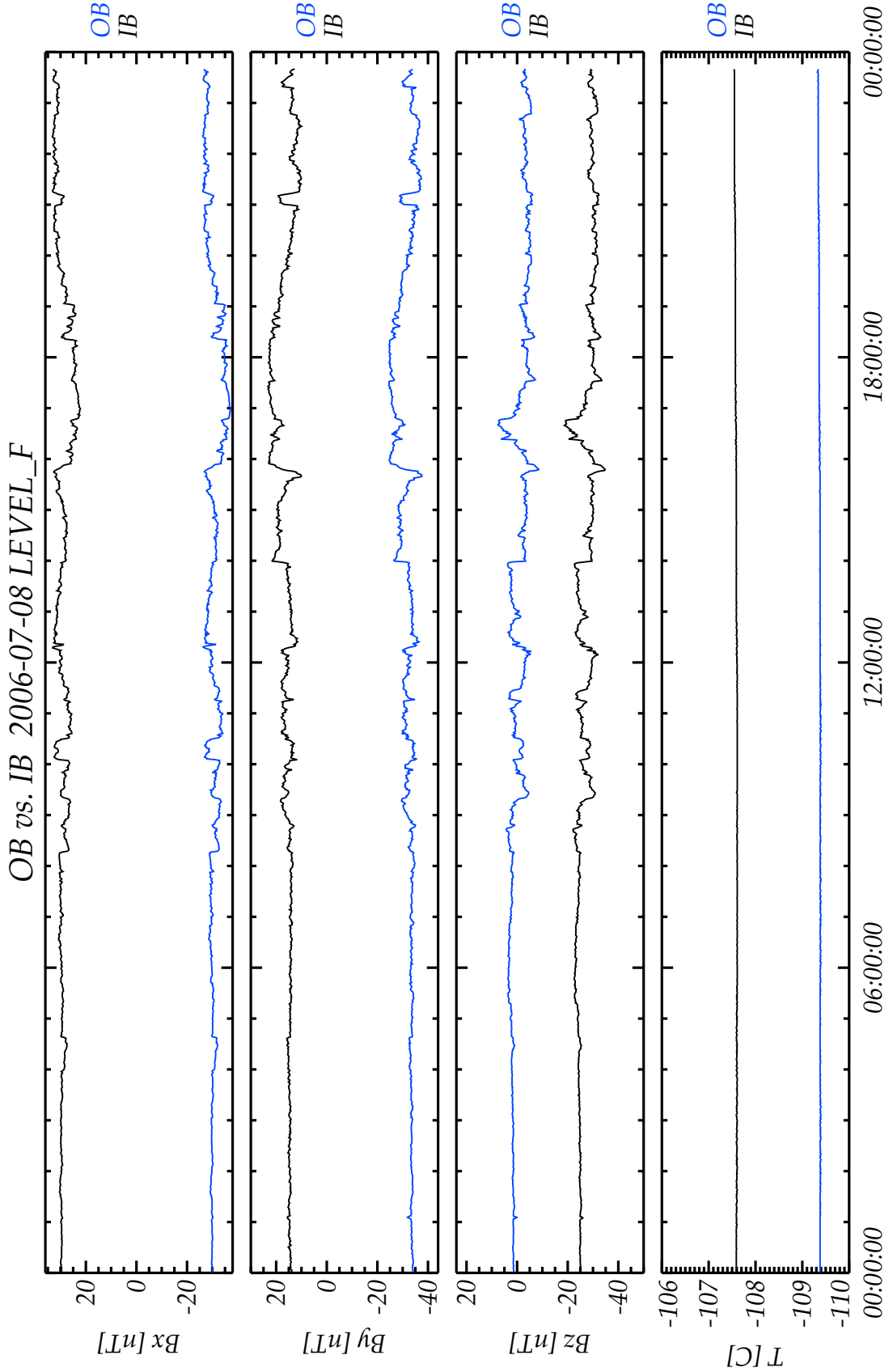
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OB-IB 2006-07-07 LEVEL\_F





OB-IB 2006-07-08 LEVEL\_F

