

R O S E T T A
FLIGHT REPORTS
of RPC-MAG

RO-IGEP-TR-0027

Issue: 2 Revision: 0

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OVERVIEW OF
AVAILABLE RPCMAG DATA
AND
DATA QUALITY ASSESSMENT

Mission Phases: STEINS
Time Period: September 2008 - November 2008

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 September, 2008 until November 2008. This covers this Mission Phase STEINS.

This time interval covers the flyby at Asteroid STEINS in September 2008.

For all the year, the months 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 calibrated LEVEL.F data (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 2008

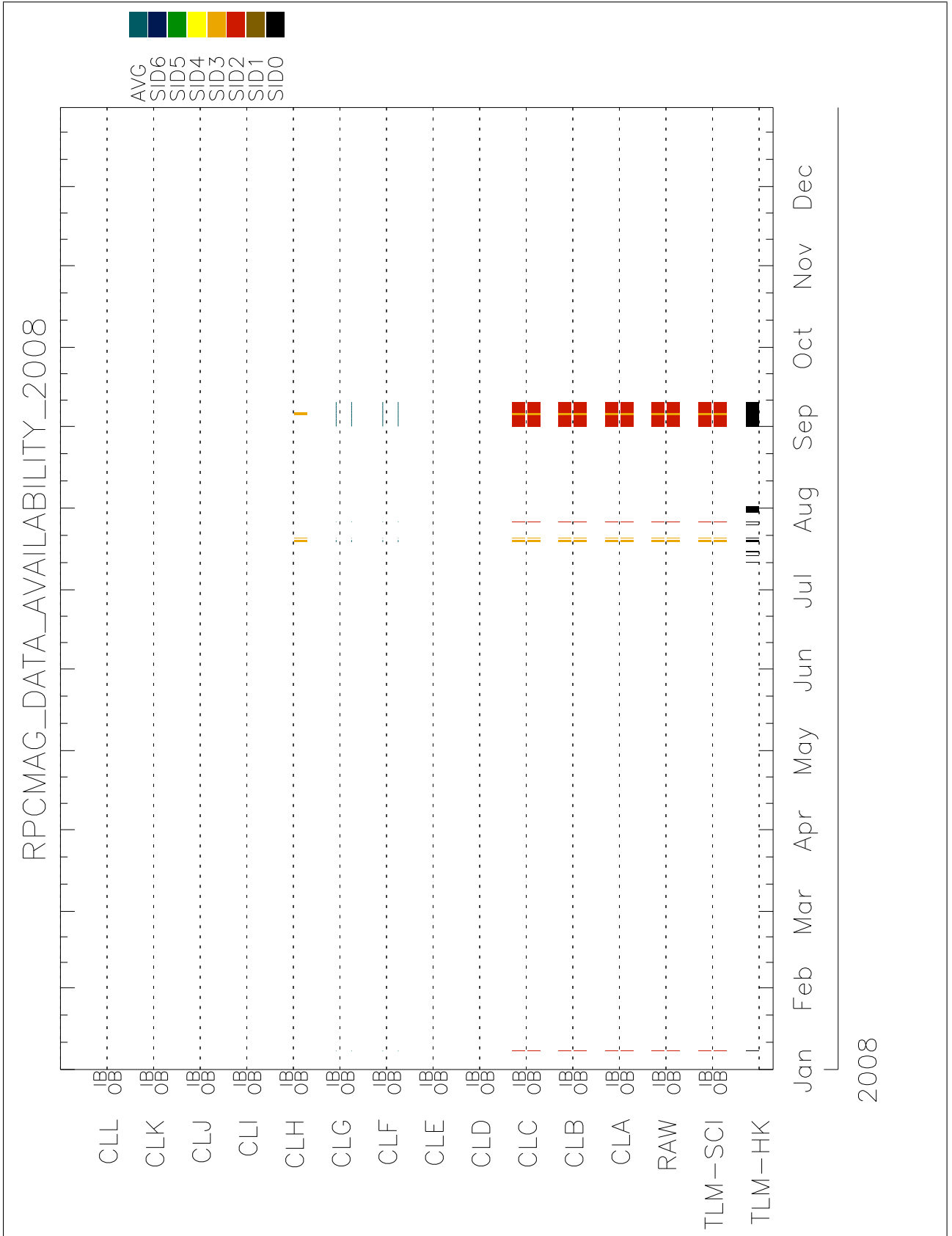


Figure 1: Overview 2008

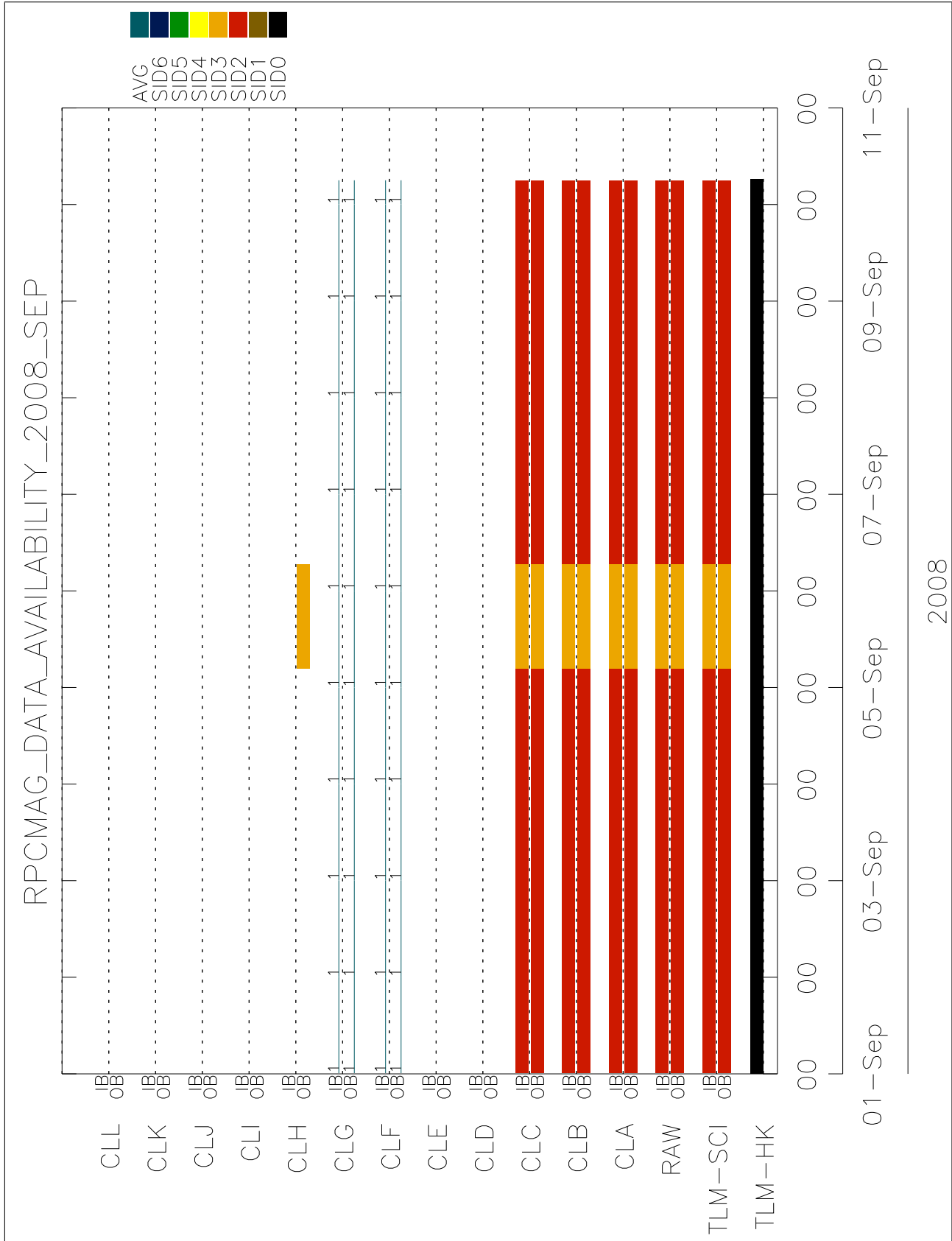


Figure 2: Overview September 2008

ROSETTA

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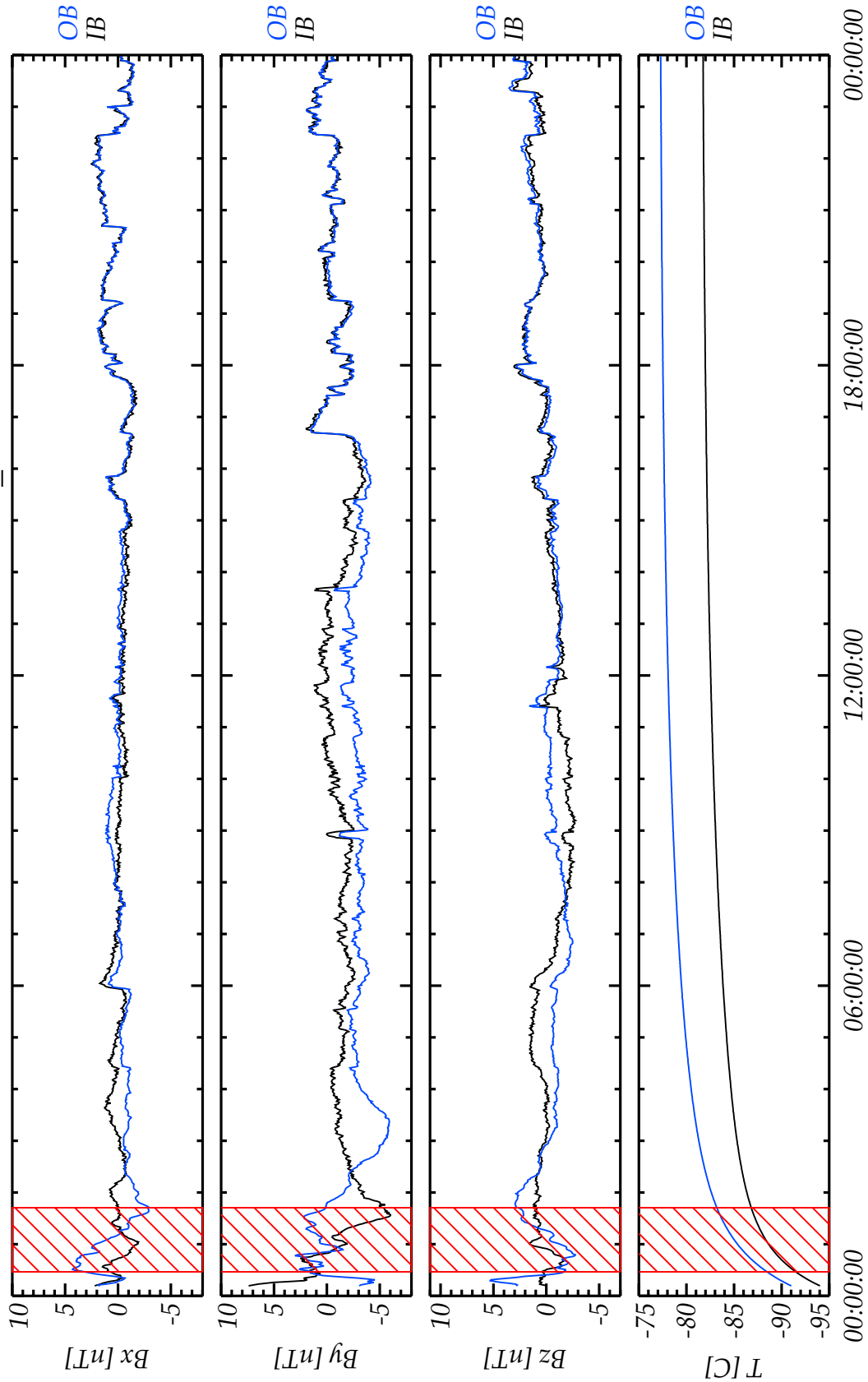
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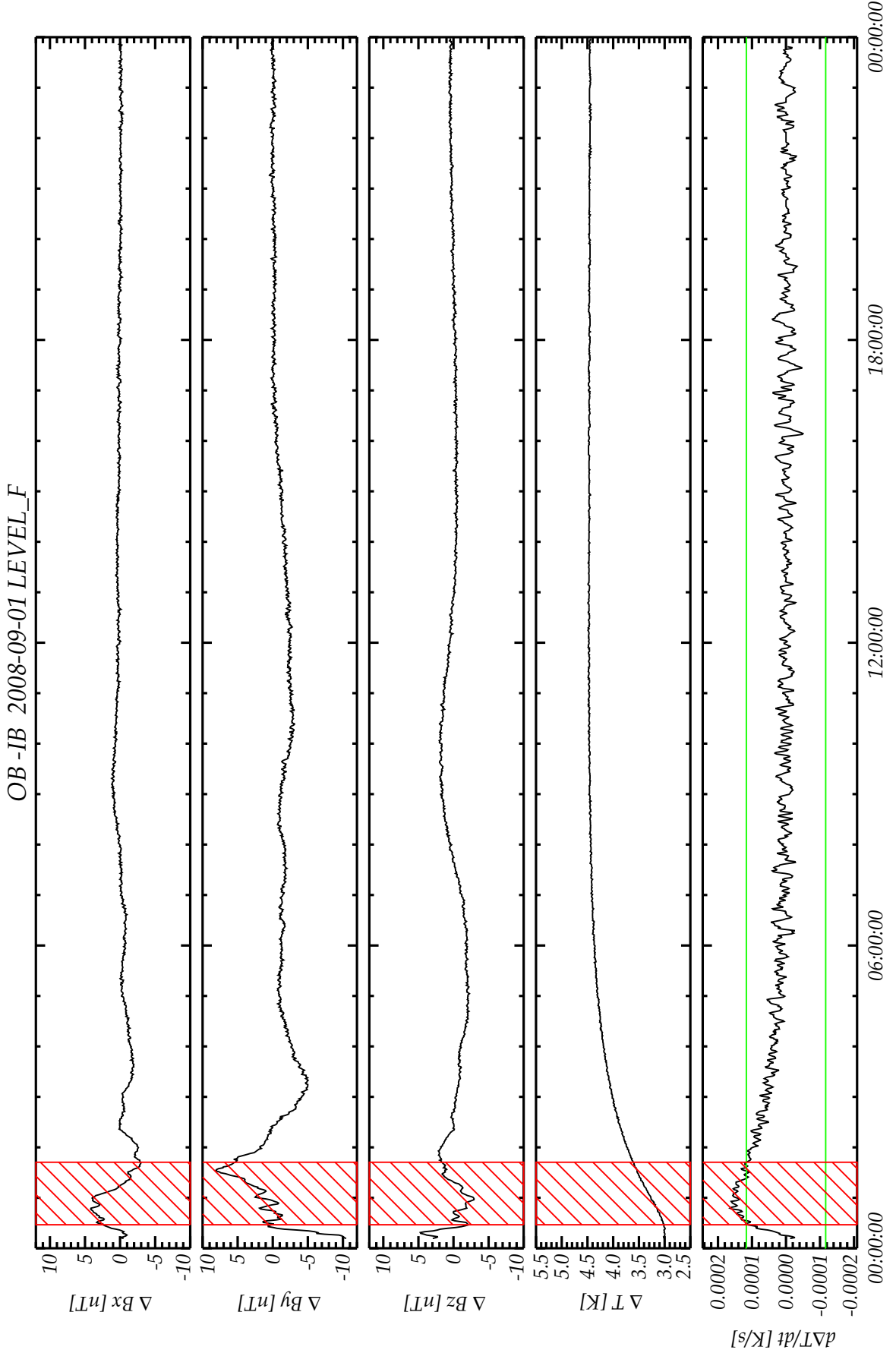
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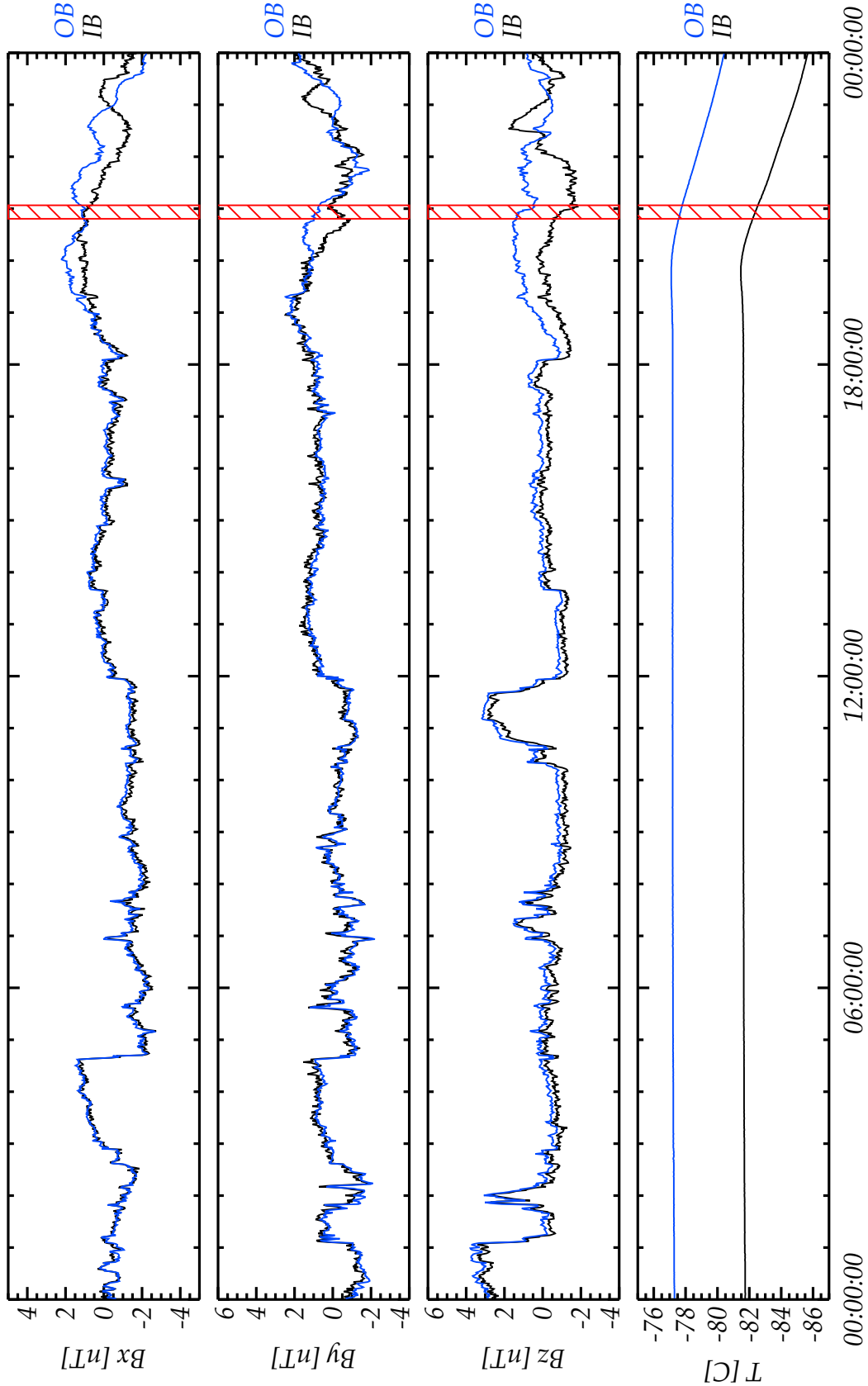
DATE	LEVEL	AVERAGE [s]	SENSOR
2008-09-01	CLG	1	OB
2008-09-01	CLF	1	OB
2008-09-01	CLF	1	IB
2008-09-01	CLG	1	IB
2008-09-02	CLF	1	OB
2008-09-02	CLG	1	OB
2008-09-02	CLG	1	IB
2008-09-02	CLF	1	IB
2008-09-03	CLF	1	OB
2008-09-03	CLG	1	OB
2008-09-03	CLG	1	IB
2008-09-03	CLF	1	IB
2008-09-04	CLG	1	OB
2008-09-04	CLF	1	OB
2008-09-04	CLG	1	IB
2008-09-04	CLF	1	IB
2008-09-05	CLG	1	OB
2008-09-05	CLF	1	OB
2008-09-05	CLF	1	IB
2008-09-05	CLG	1	IB
2008-09-06	CLF	1	OB
2008-09-06	CLG	1	OB
2008-09-06	CLF	1	IB
2008-09-06	CLG	1	IB
2008-09-07	CLG	1	OB
2008-09-07	CLF	1	OB
2008-09-07	CLG	1	IB
2008-09-07	CLF	1	IB
2008-09-08	CLF	1	OB
2008-09-08	CLG	1	OB
2008-09-08	CLG	1	IB
2008-09-08	CLF	1	IB
2008-09-09	CLG	1	OB
2008-09-09	CLF	1	OB
2008-09-09	CLF	1	IB
2008-09-09	CLG	1	IB
2008-09-10	CLF	1	OB
2008-09-10	CLG	1	OB
2008-09-10	CLF	1	IB
2008-09-10	CLG	1	IB

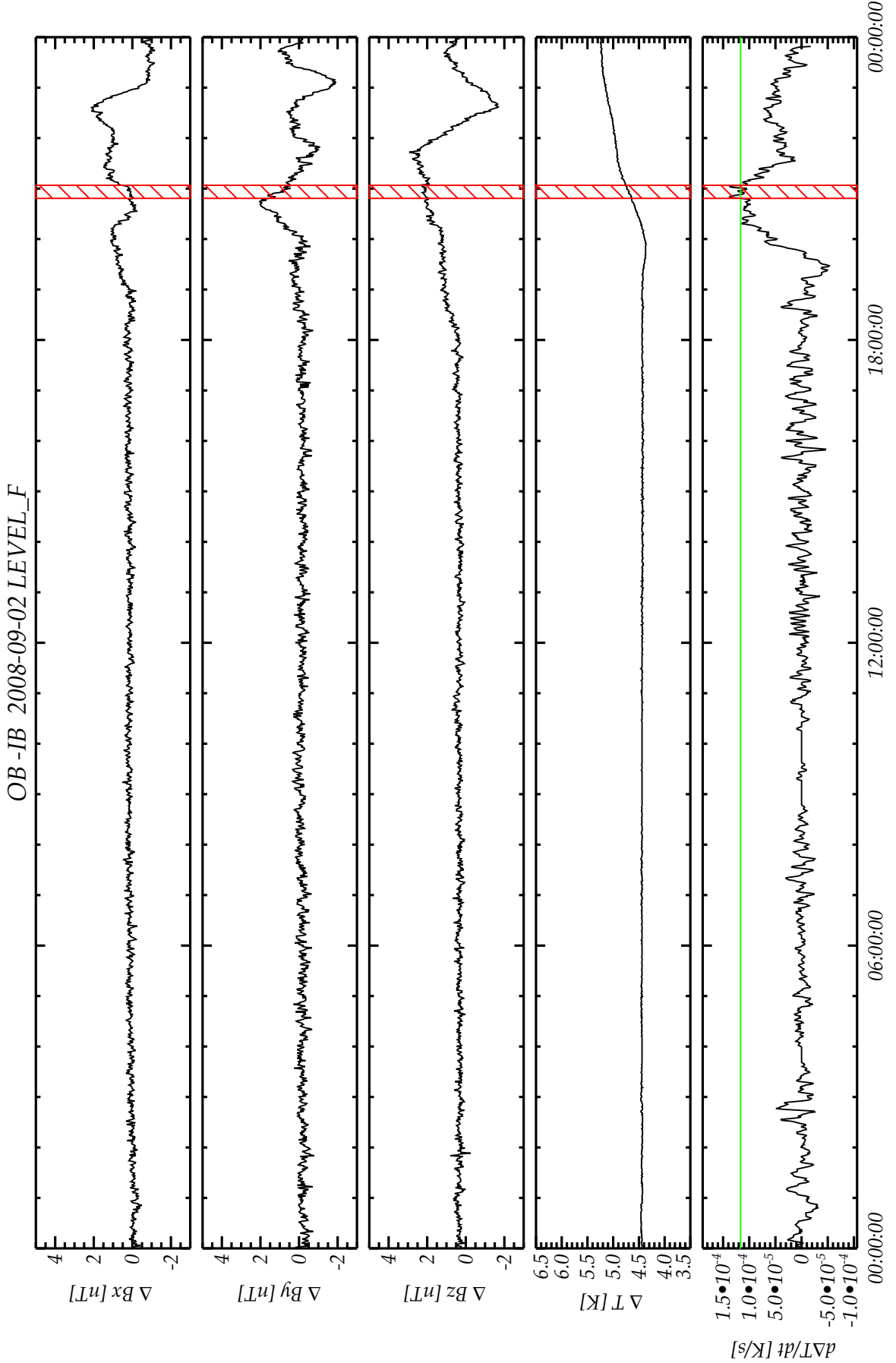
OB vs. IB 2008-09-01 LEVEL_F



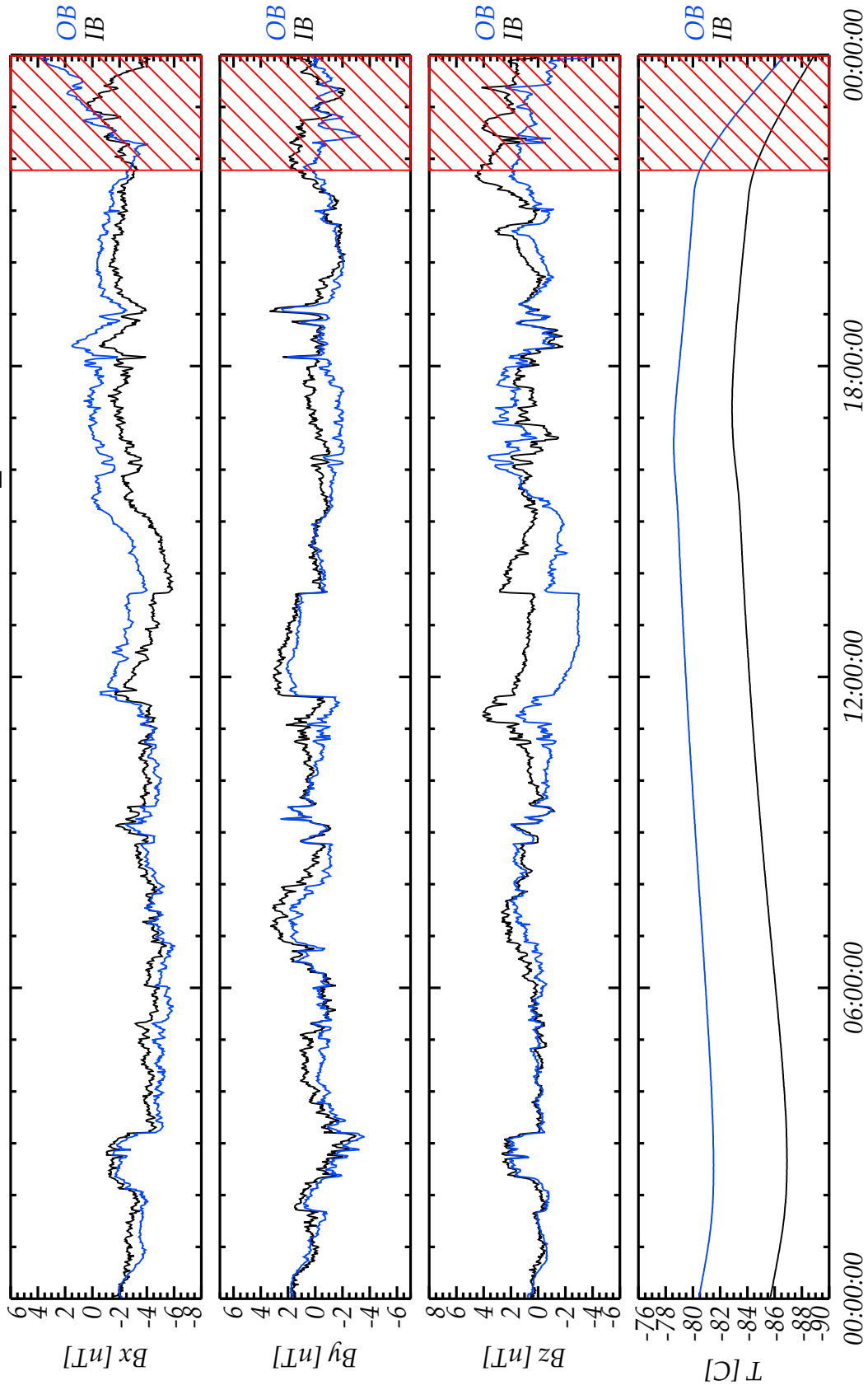


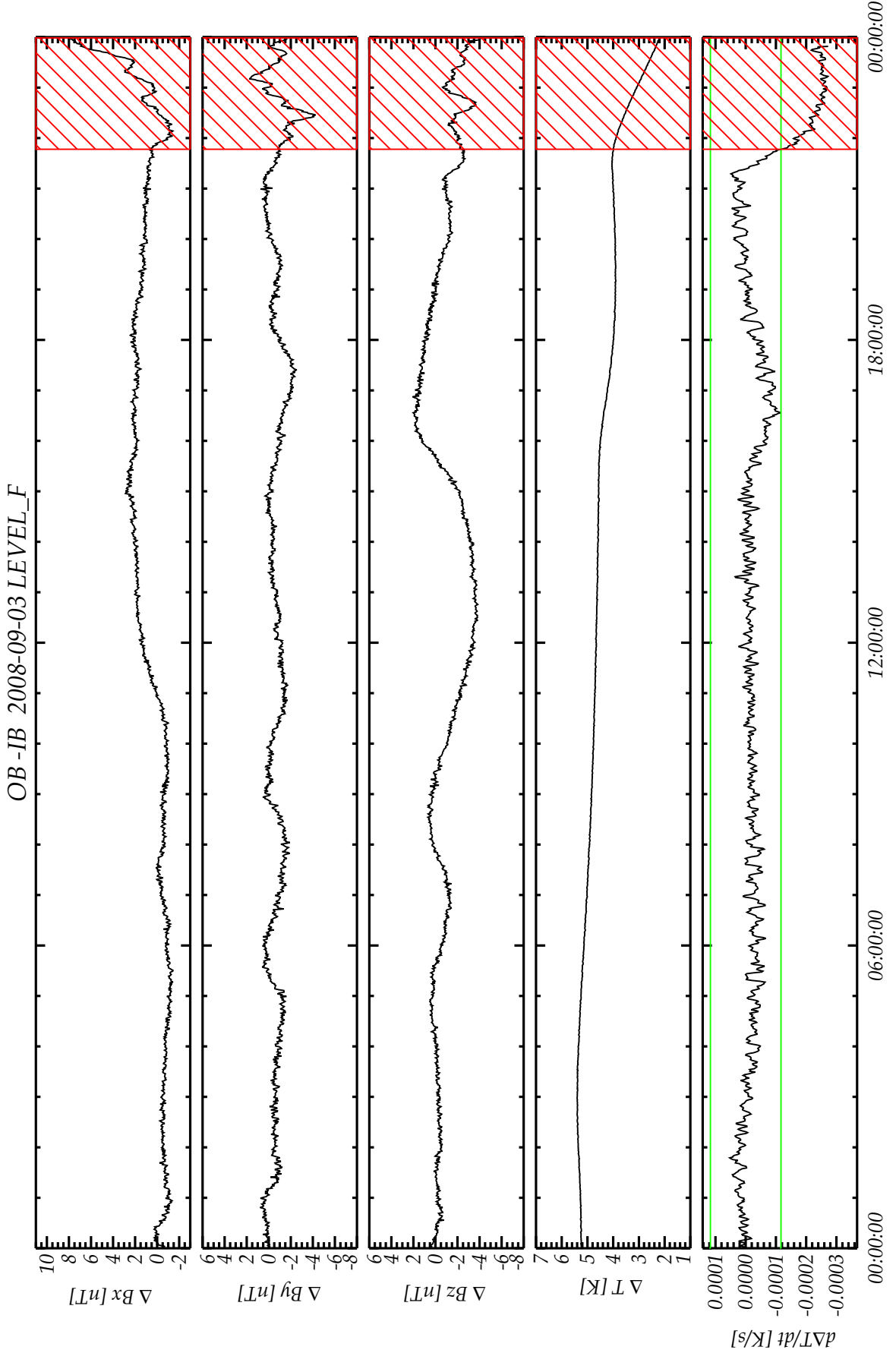
OB vs. IB 2008-09-02 LEVEL_F



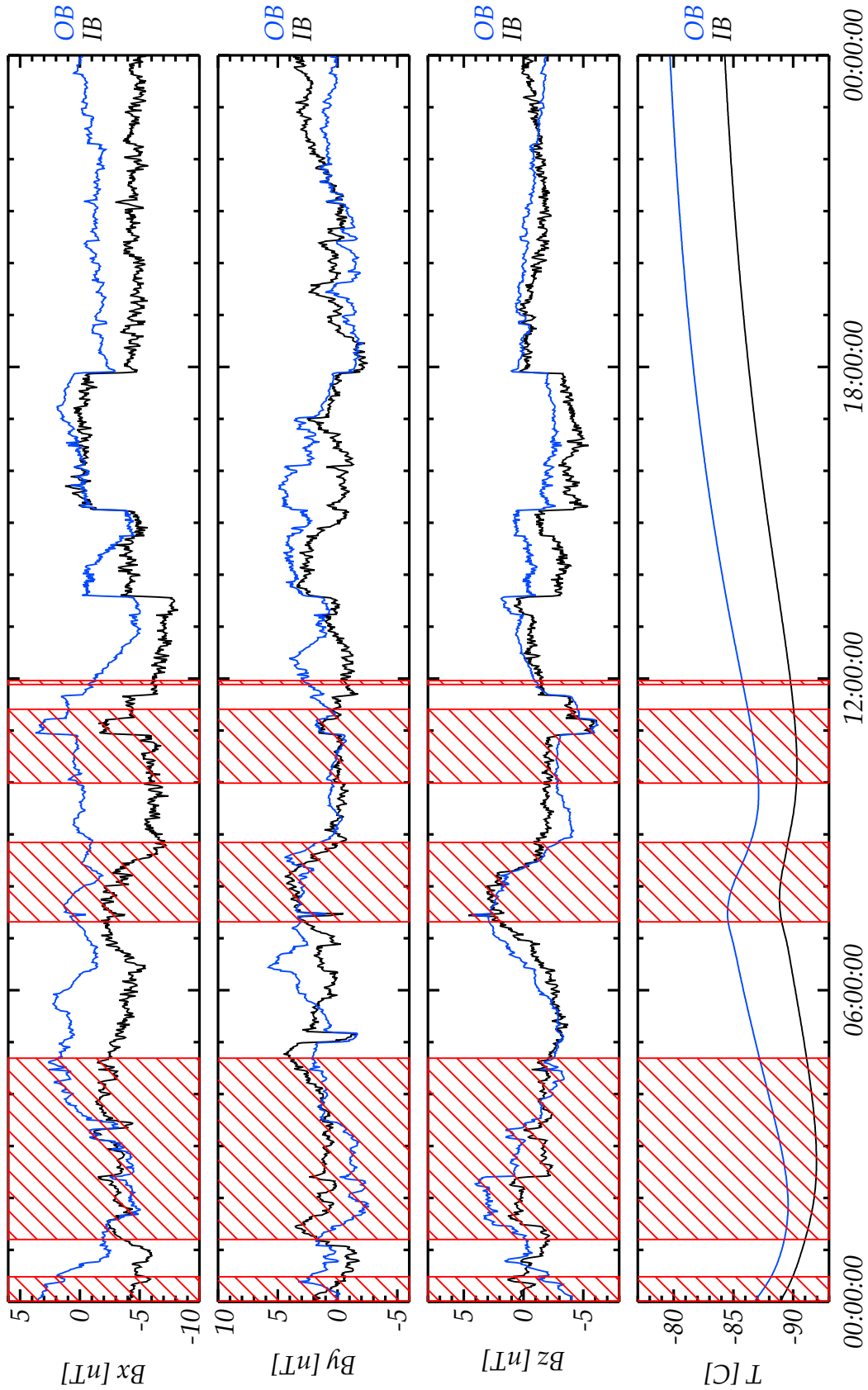


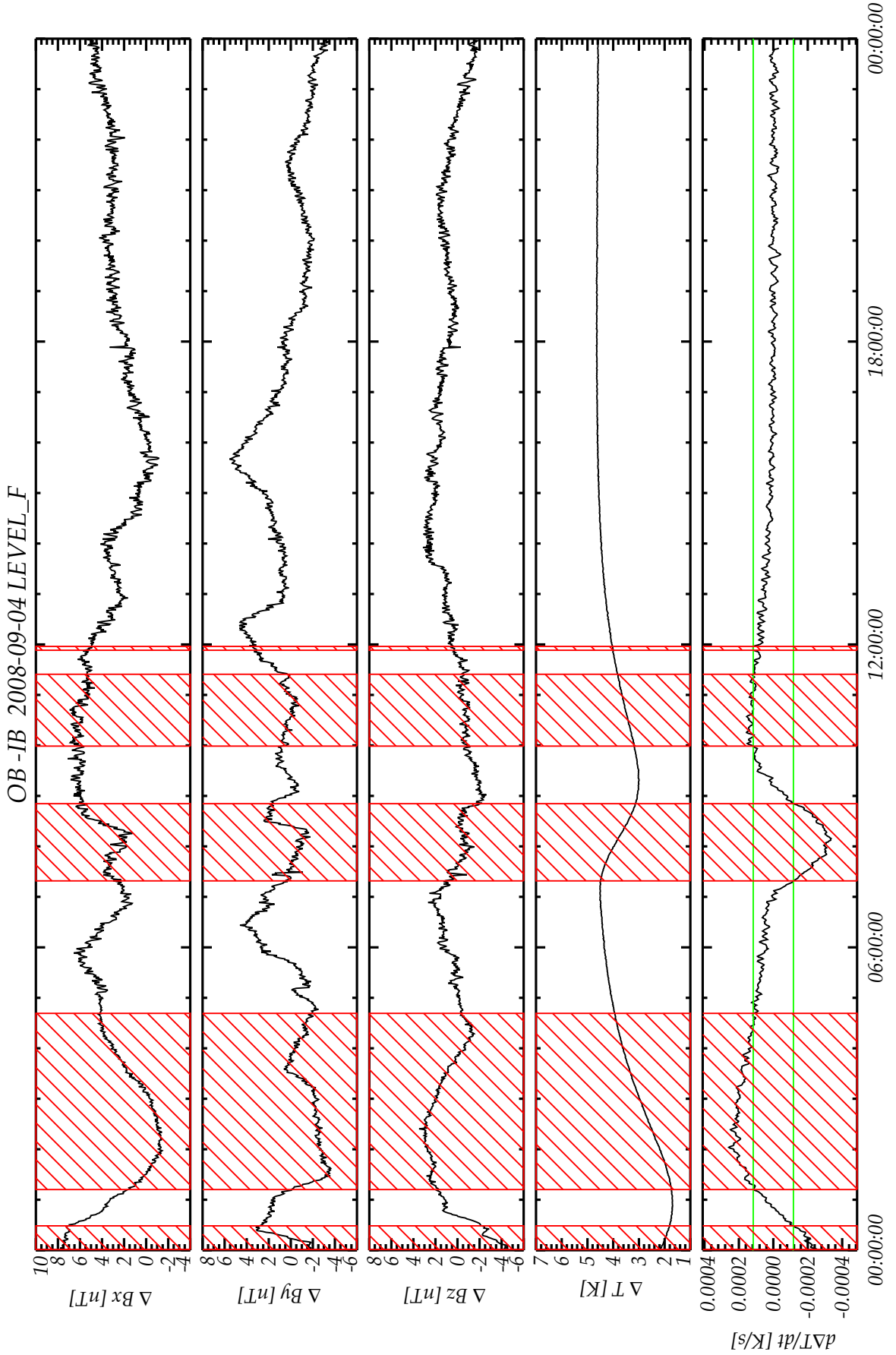
OB vs. IB 2008-09-03 LEVEL_F



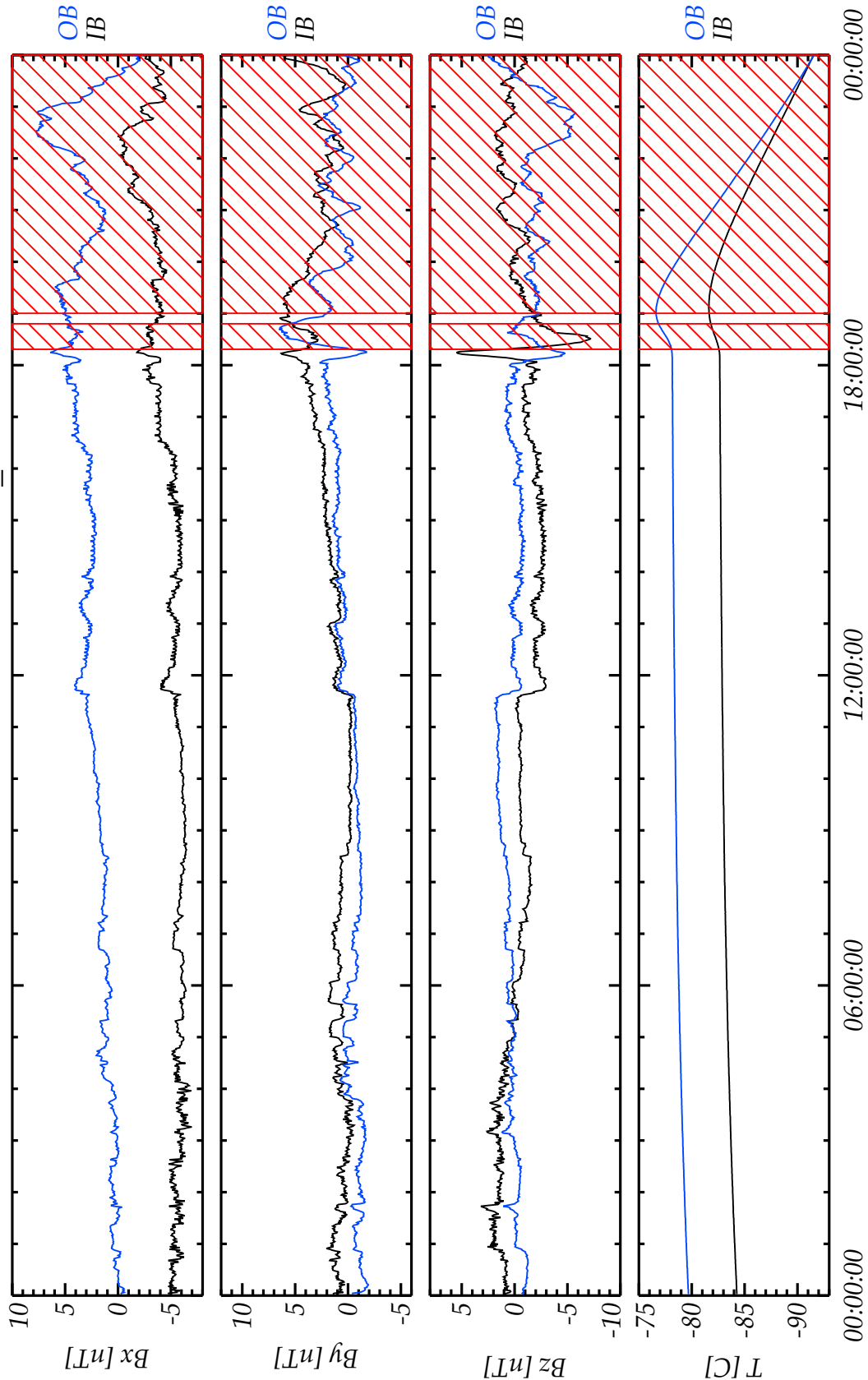


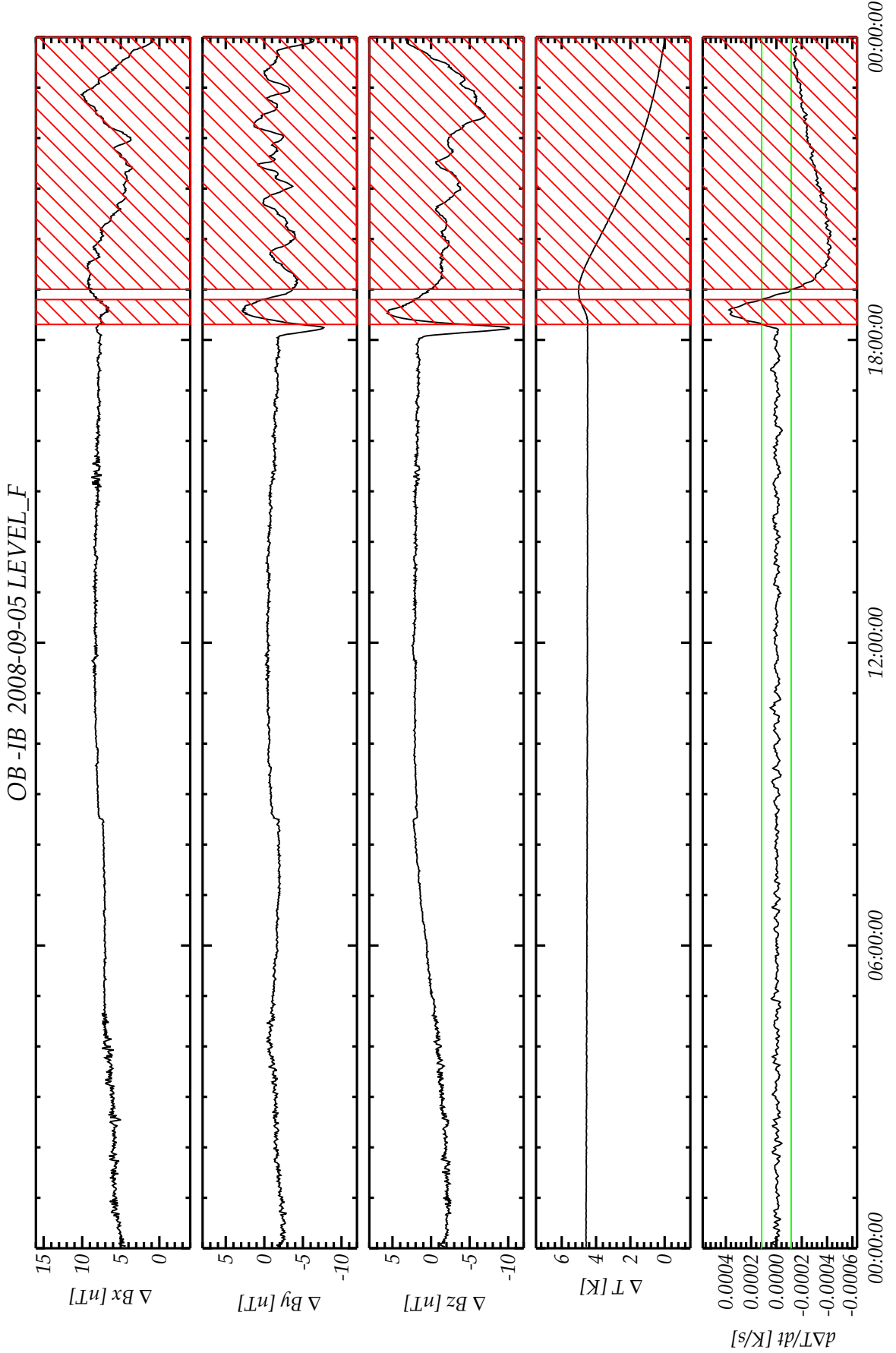
OB vs. IB 2008-09-04 LEVEL_F



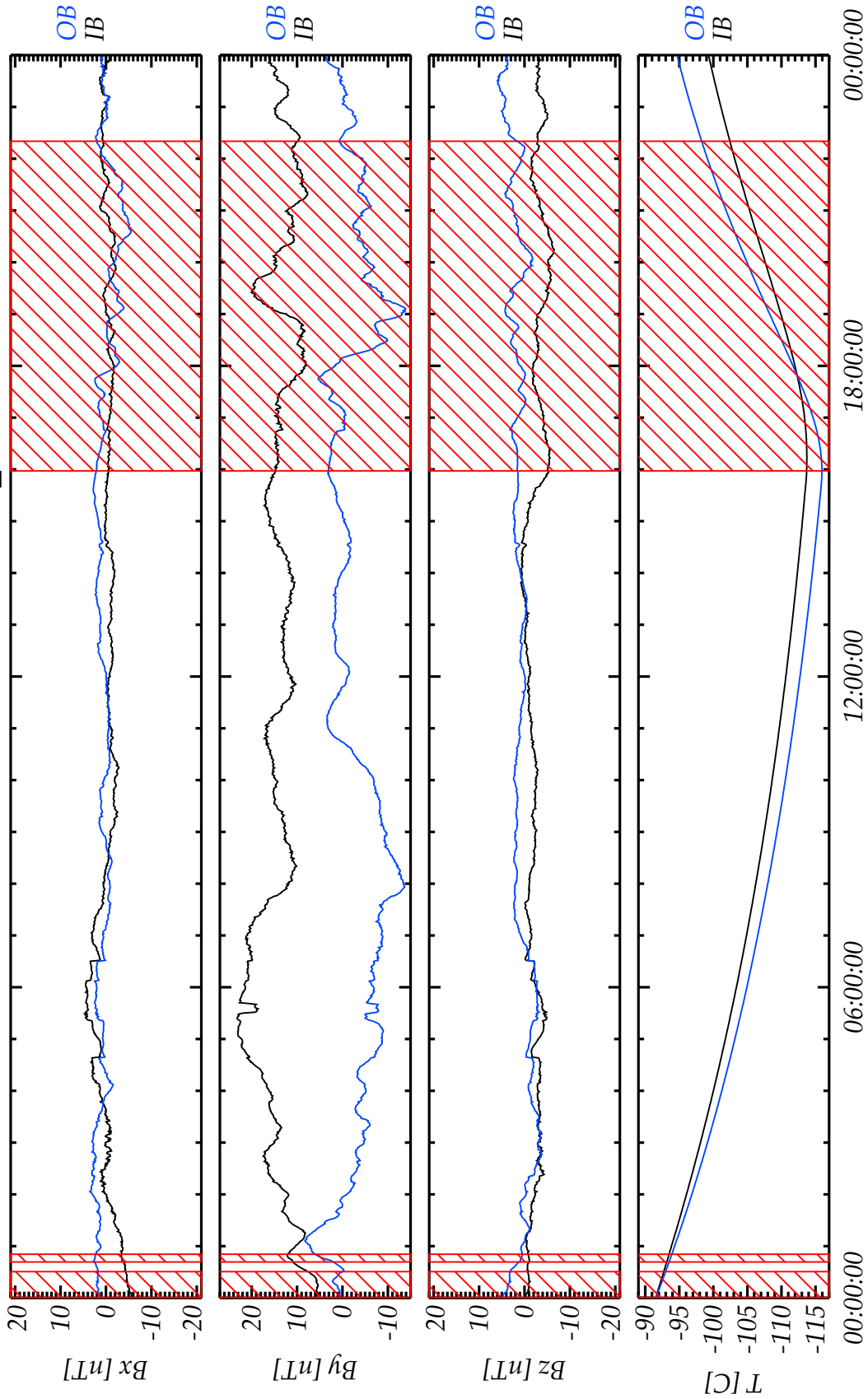


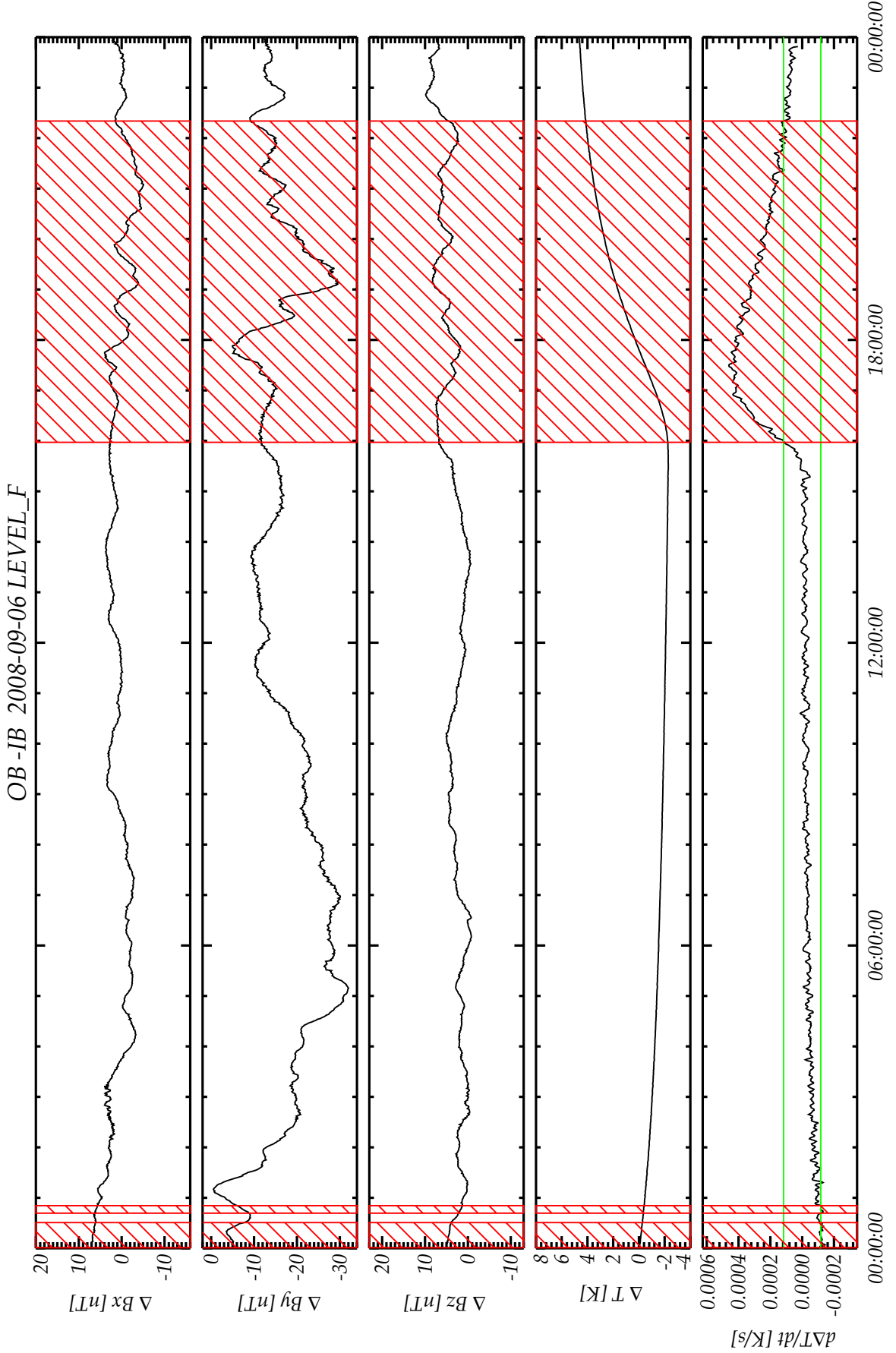
OB vs. IB 2008-09-05 LEVEL_F

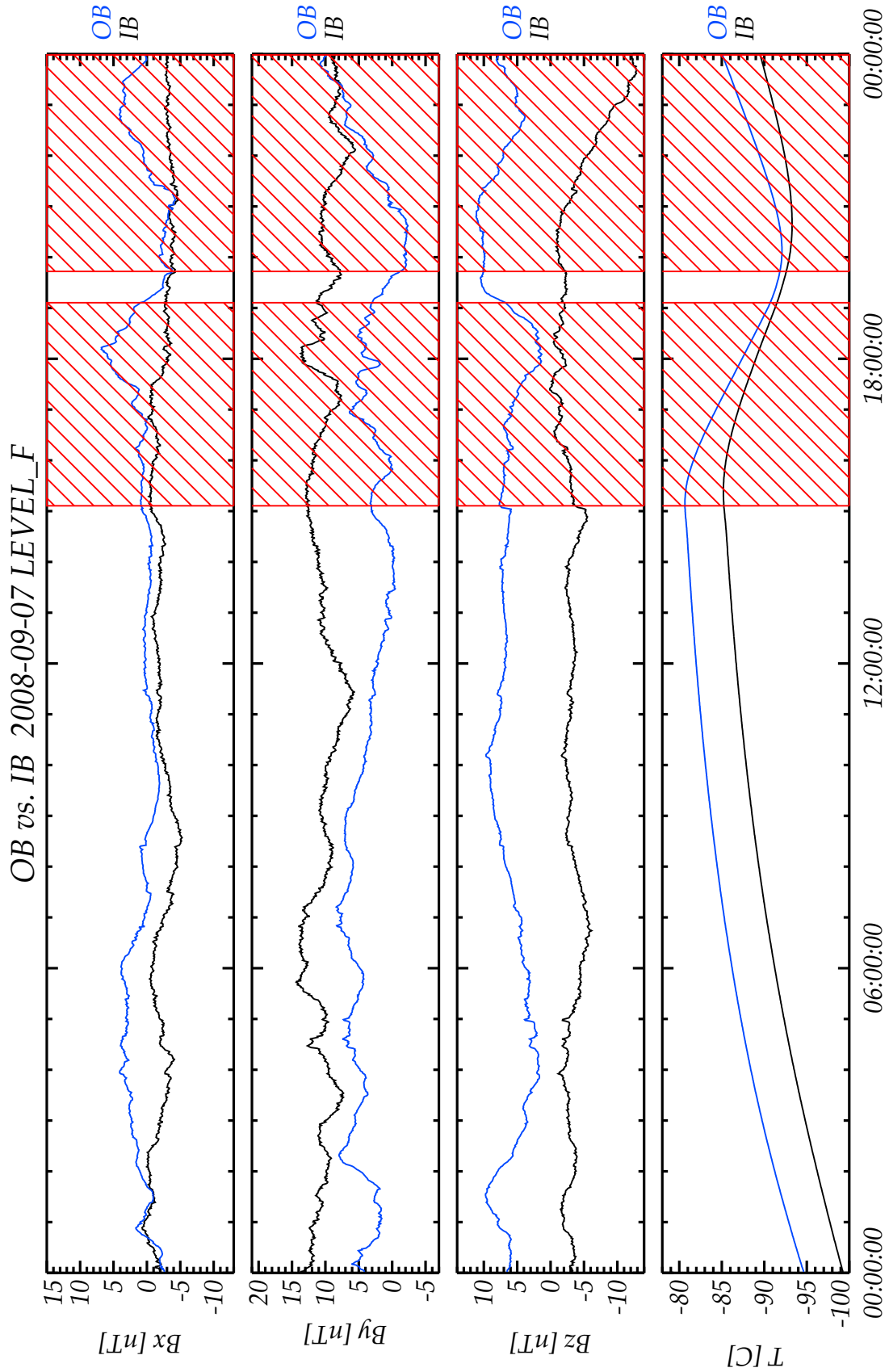


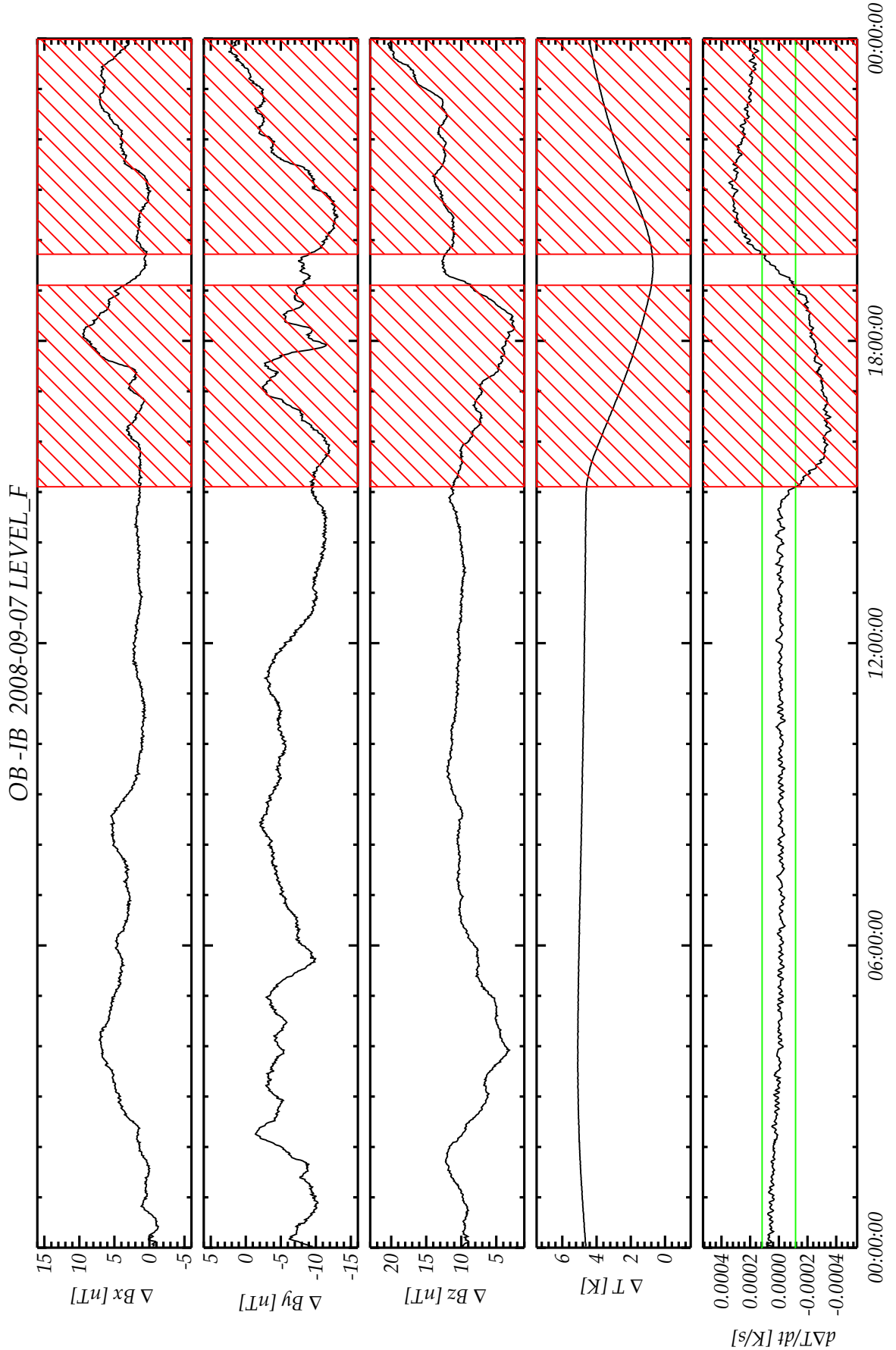


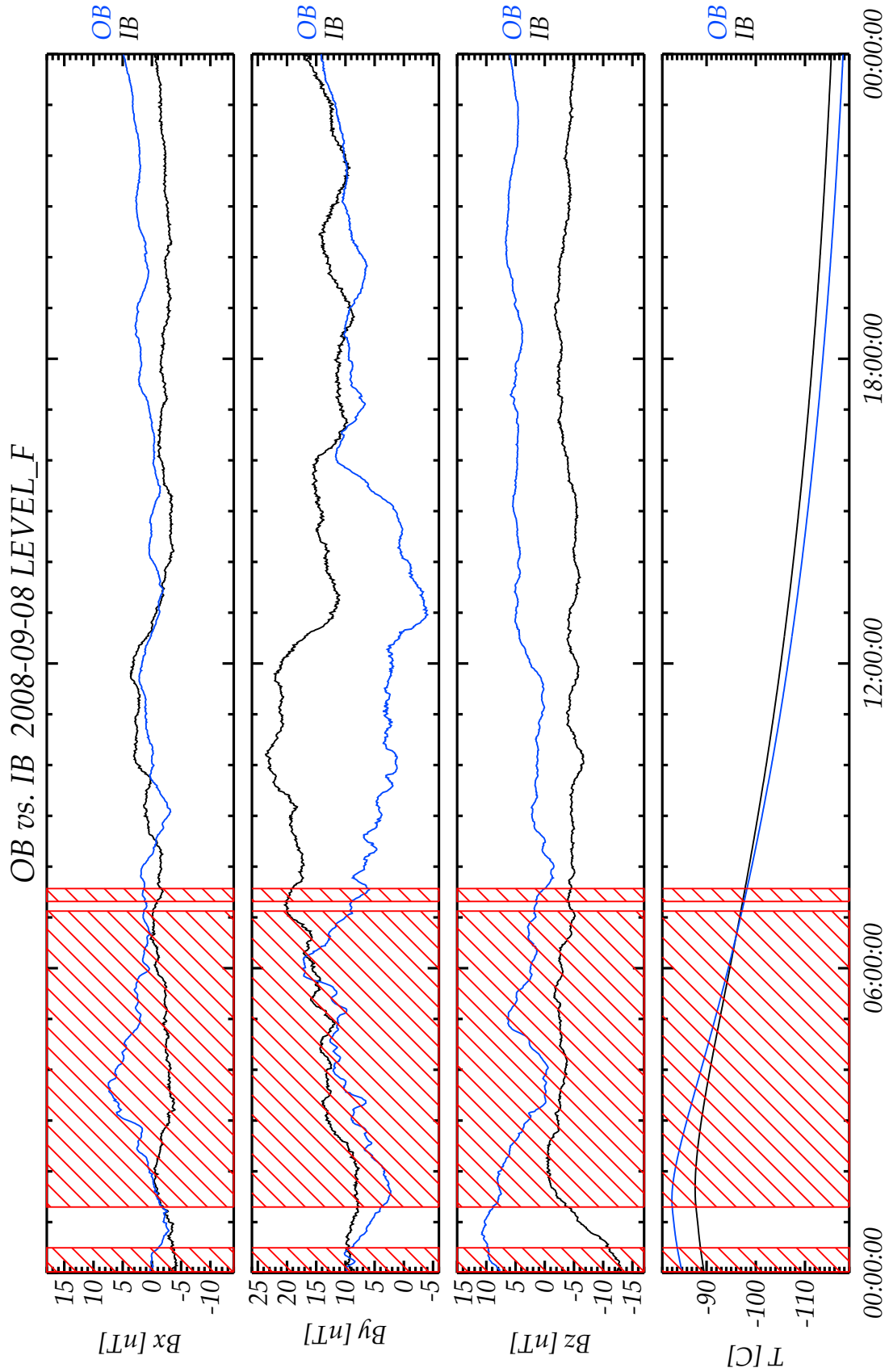
OB vs. IB 2008-09-06 LEVEL_F

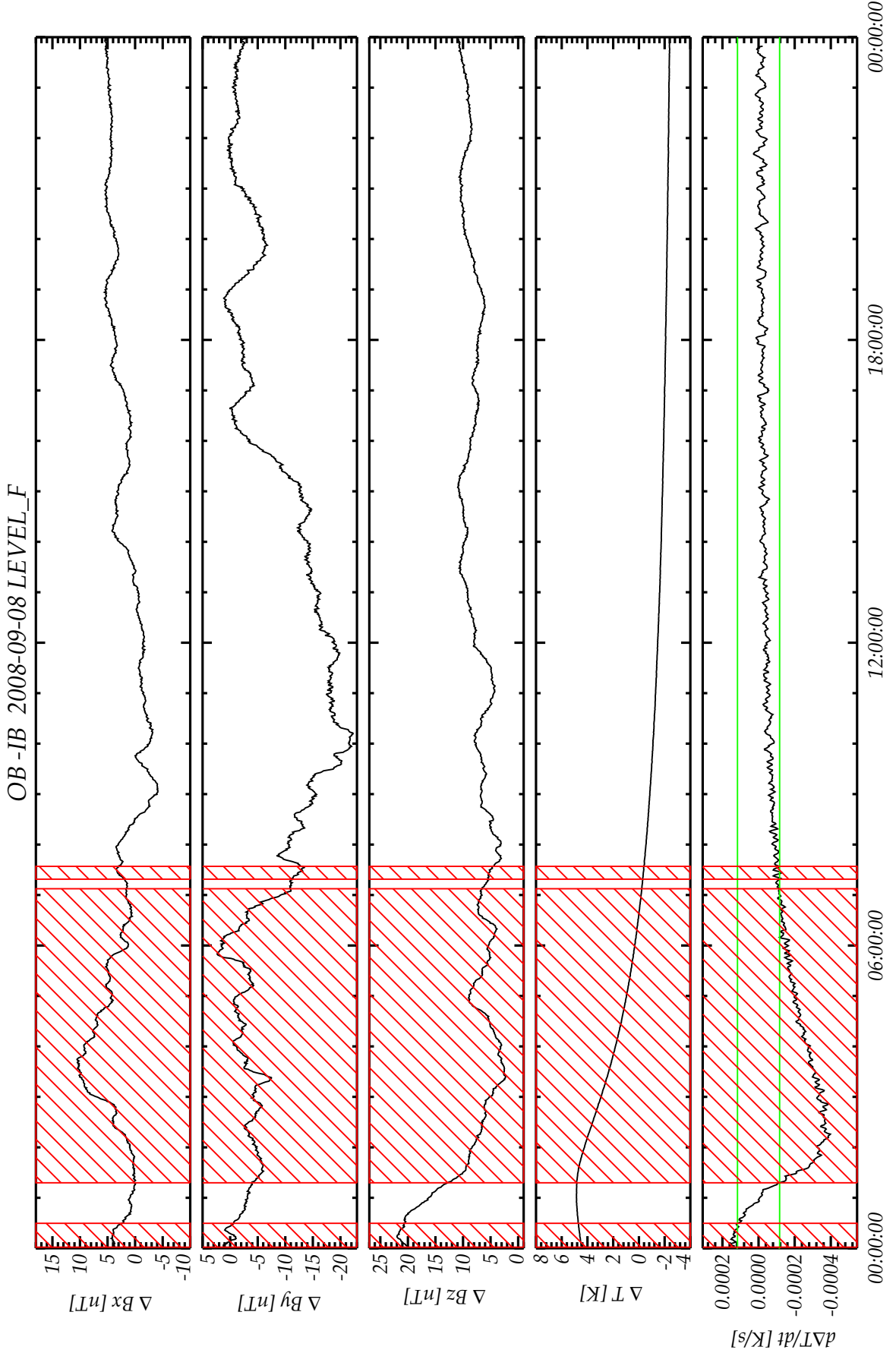




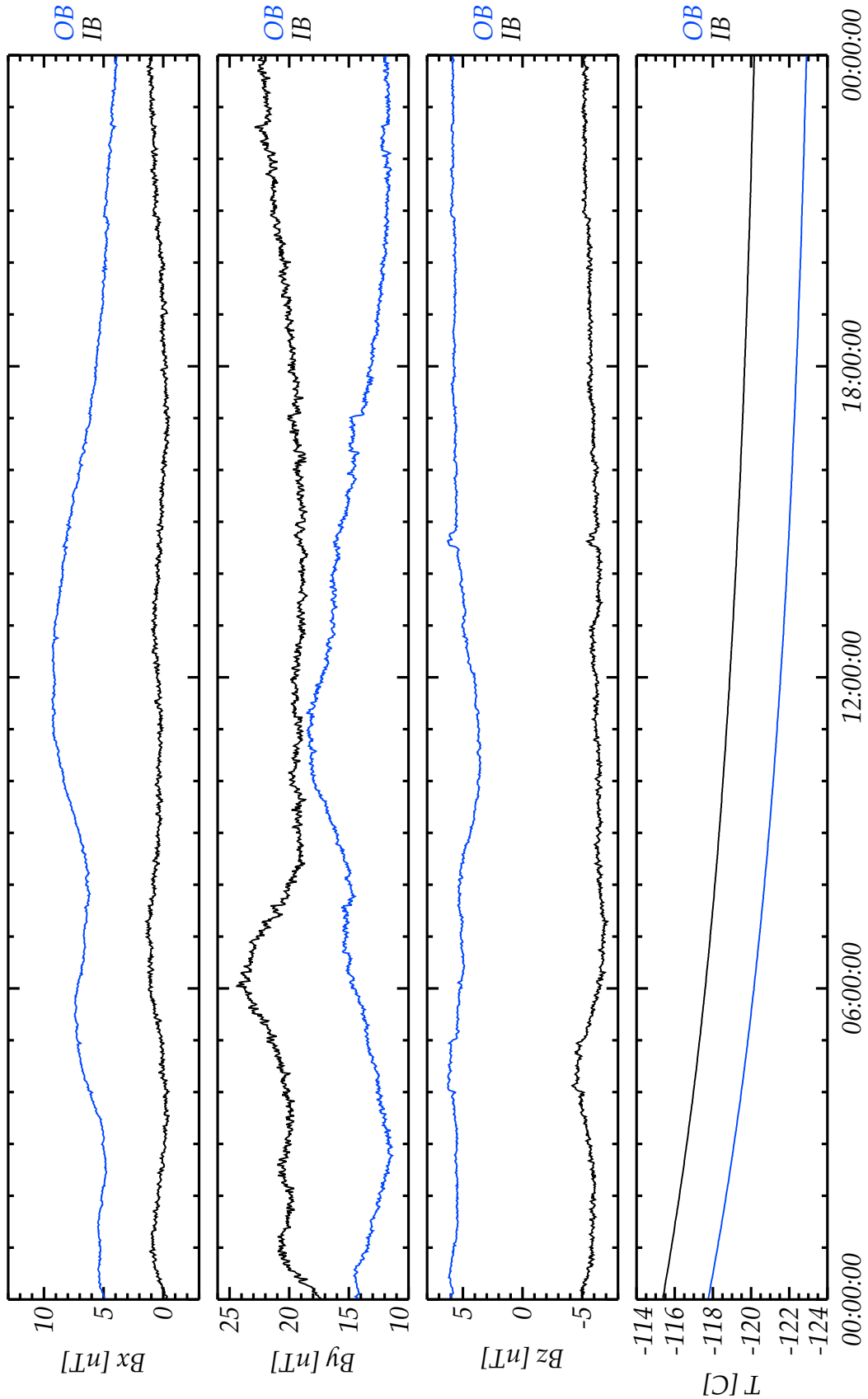


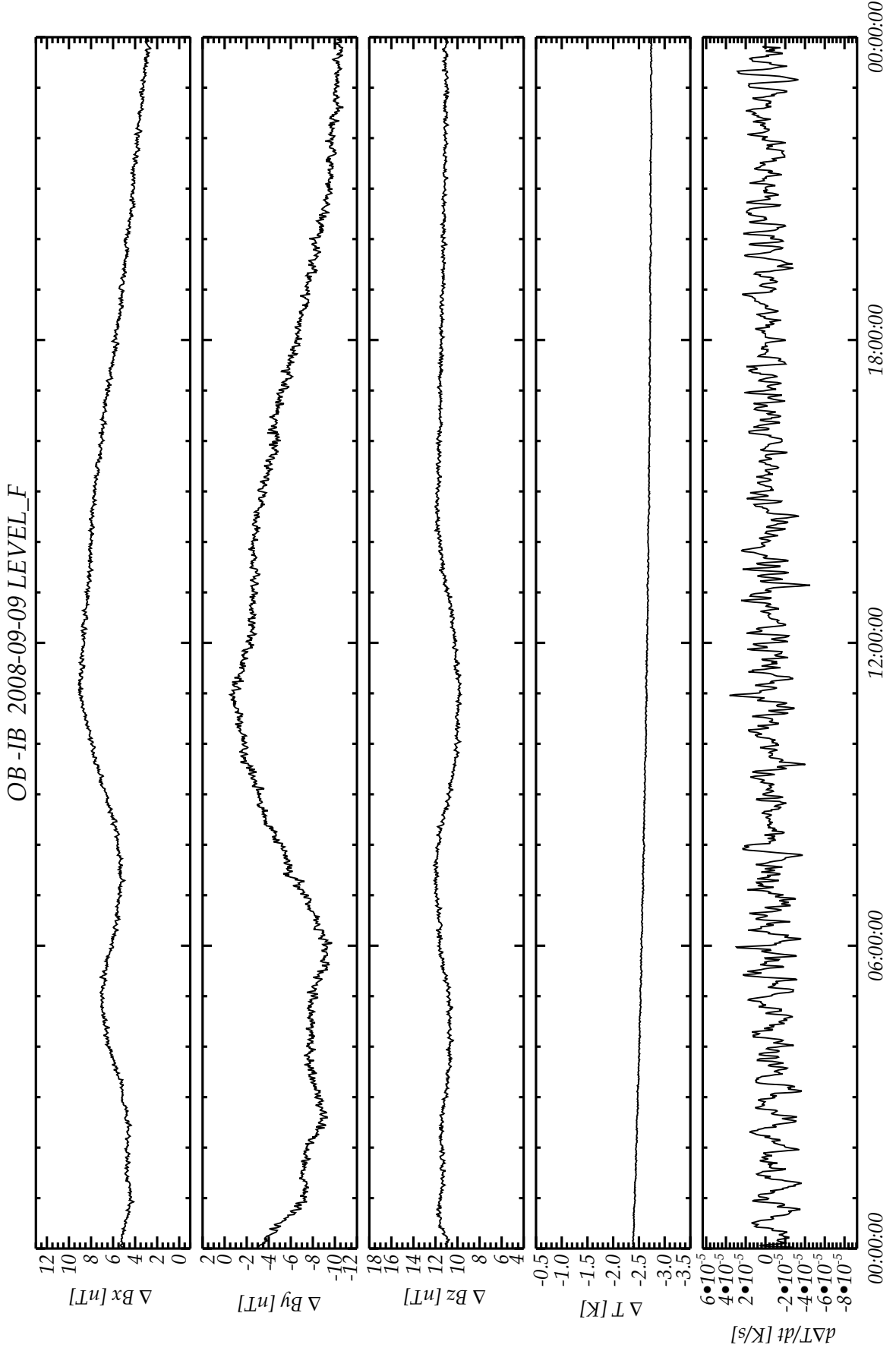






OB vs. IB 2008-09-09 LEVEL_F





OB vs. IB 2008-09-10 LEVEL_F

