R O S E T T A

FLIGHT REPORTS
of RPC–MAG

RO–IGEP–TR–0017

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OVERVIEW OF
AVAILABLE RPCMAG DATA
AND
DATA QUALITY ASSESSMENT

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

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Contents

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

$$I = \frac{\partial(T_{\mathrm{OB}} - T_{\mathrm{IB}})}{\partial dt}$$

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

2 2004

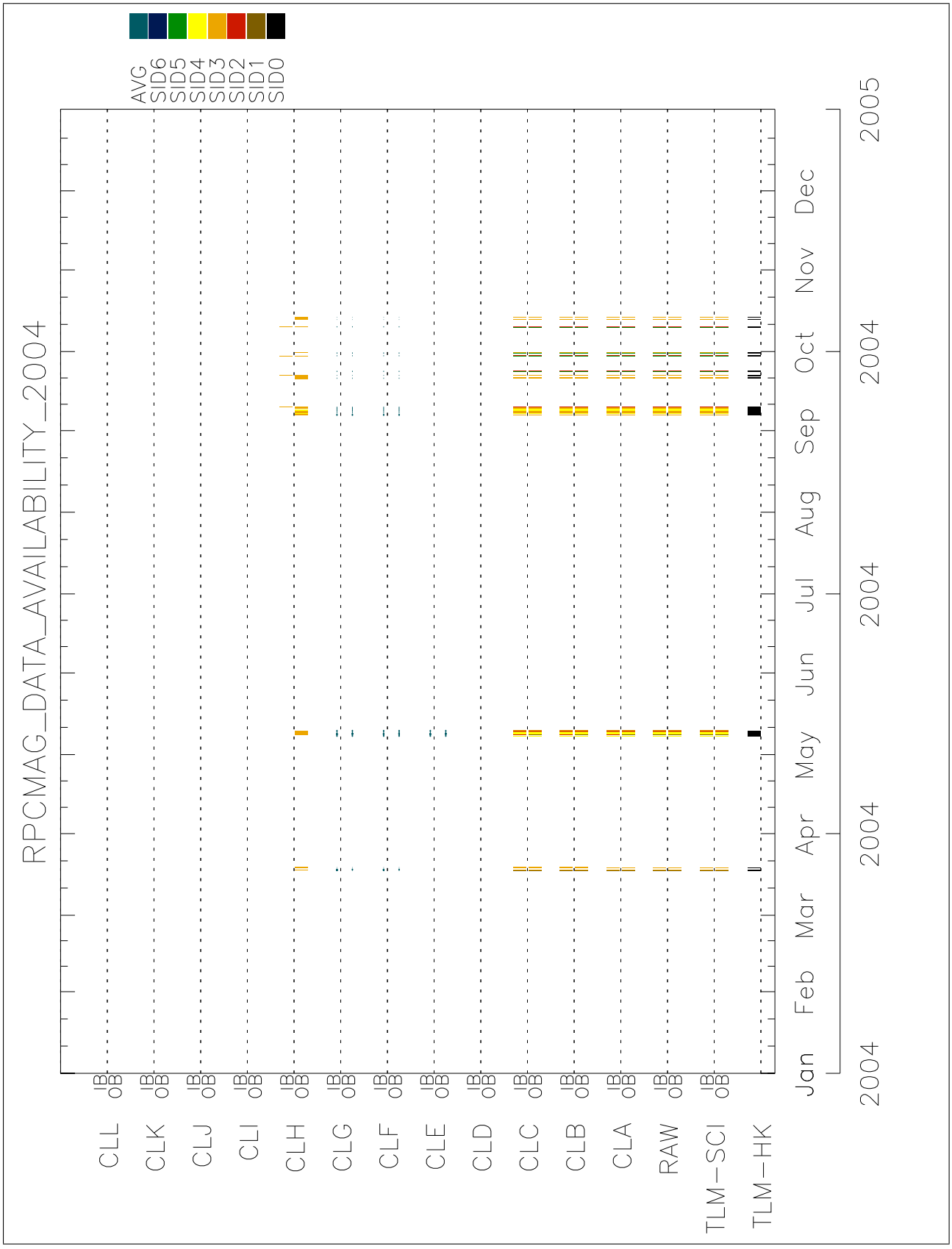


Figure 1: Overview 2004

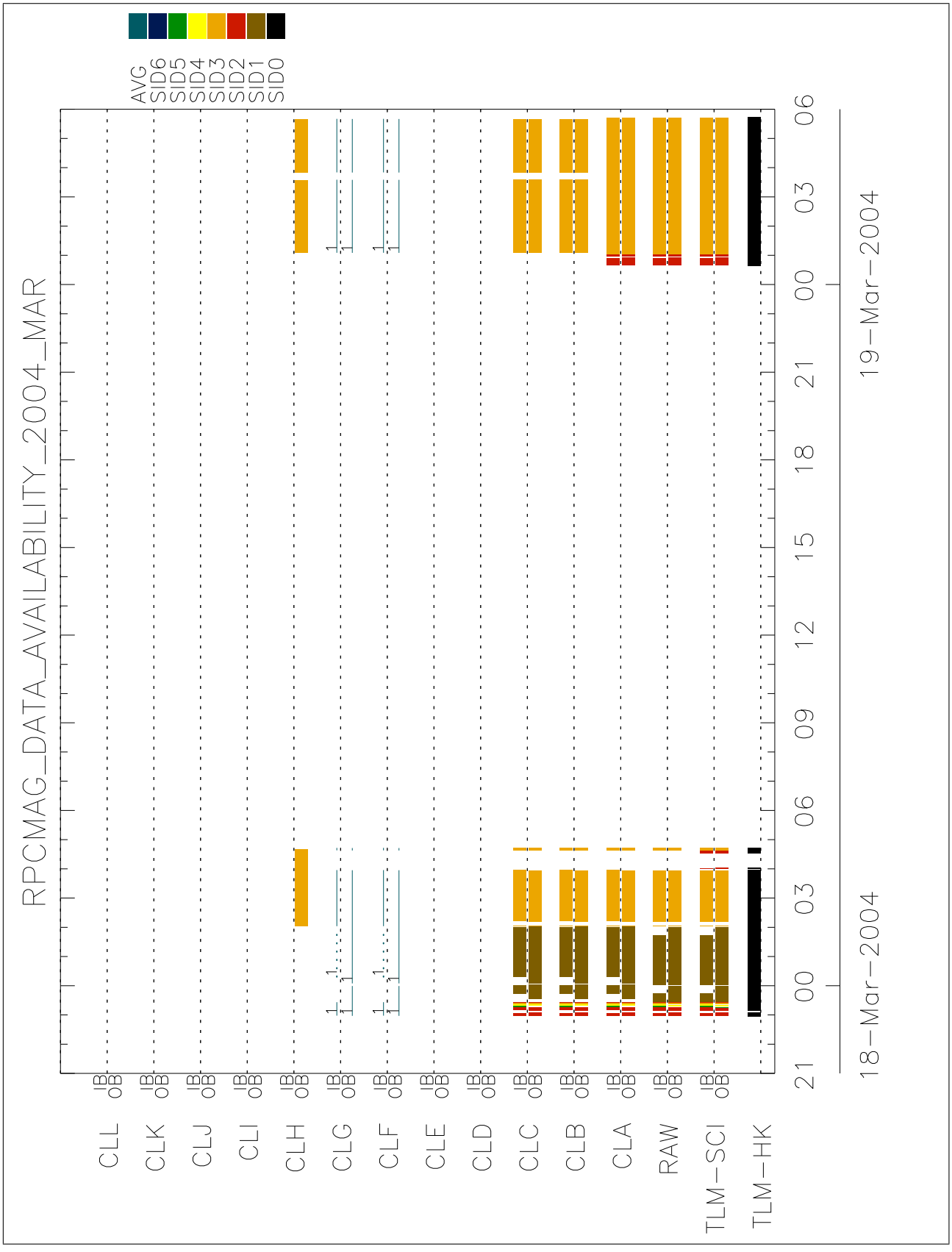
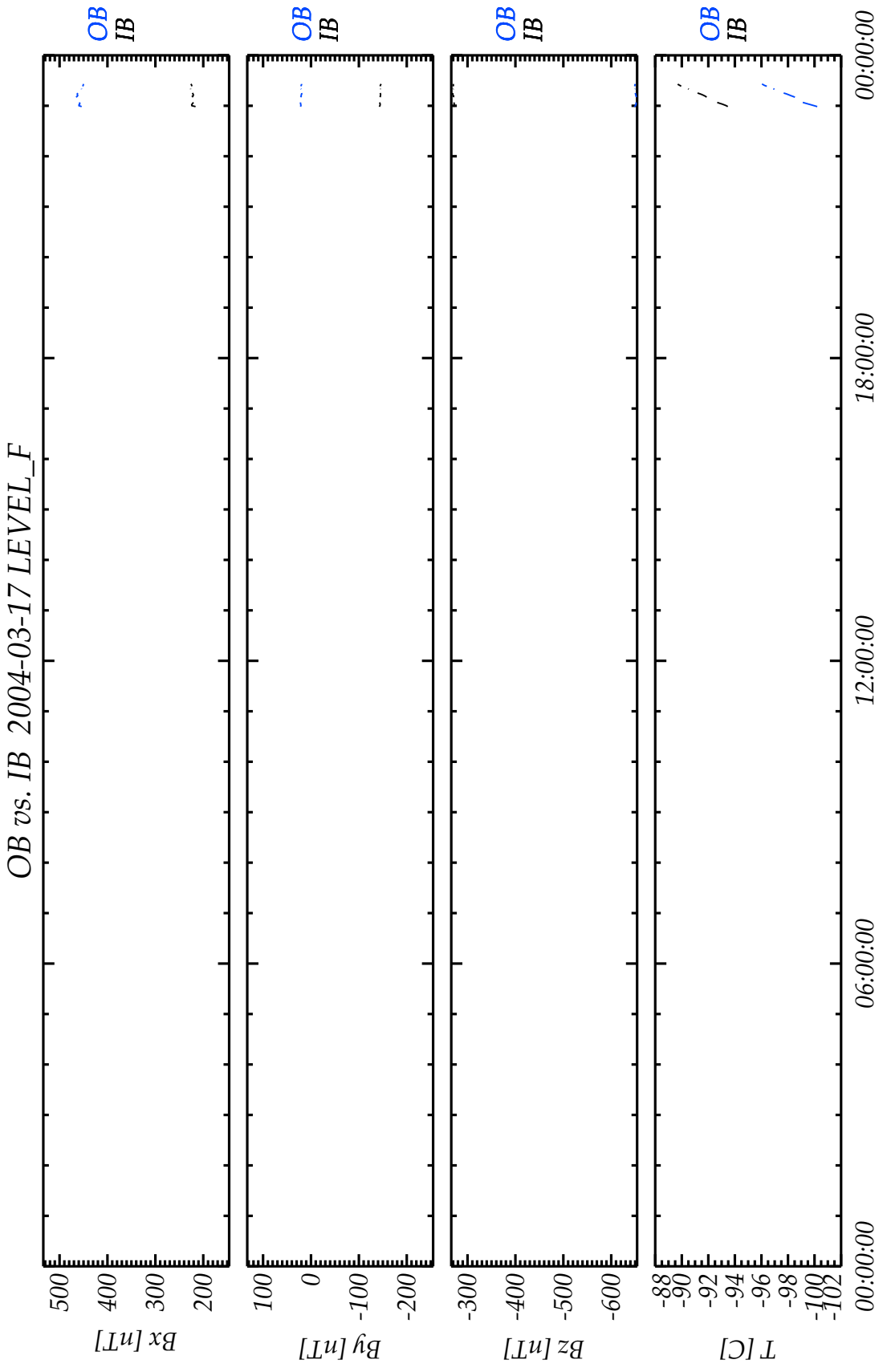
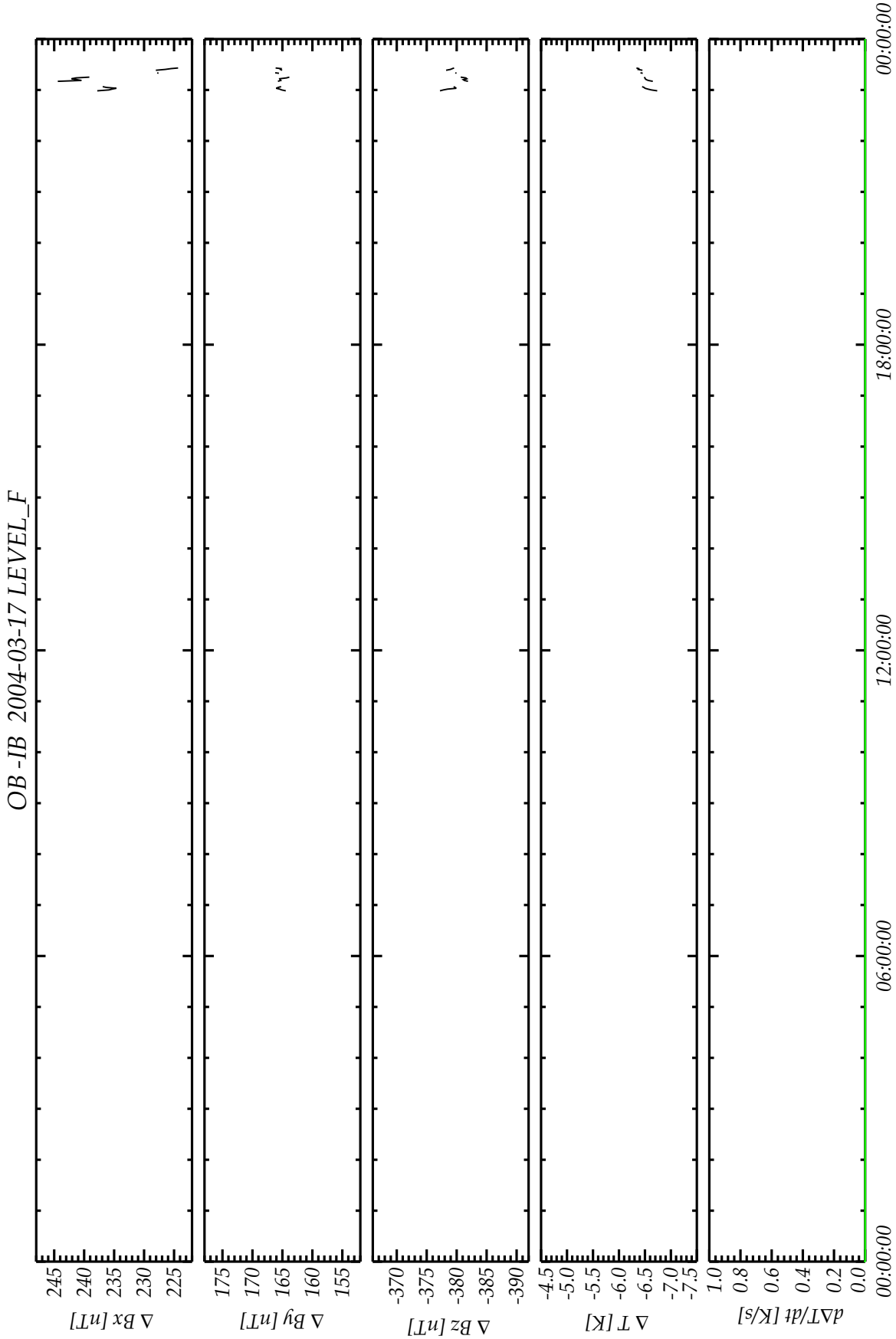
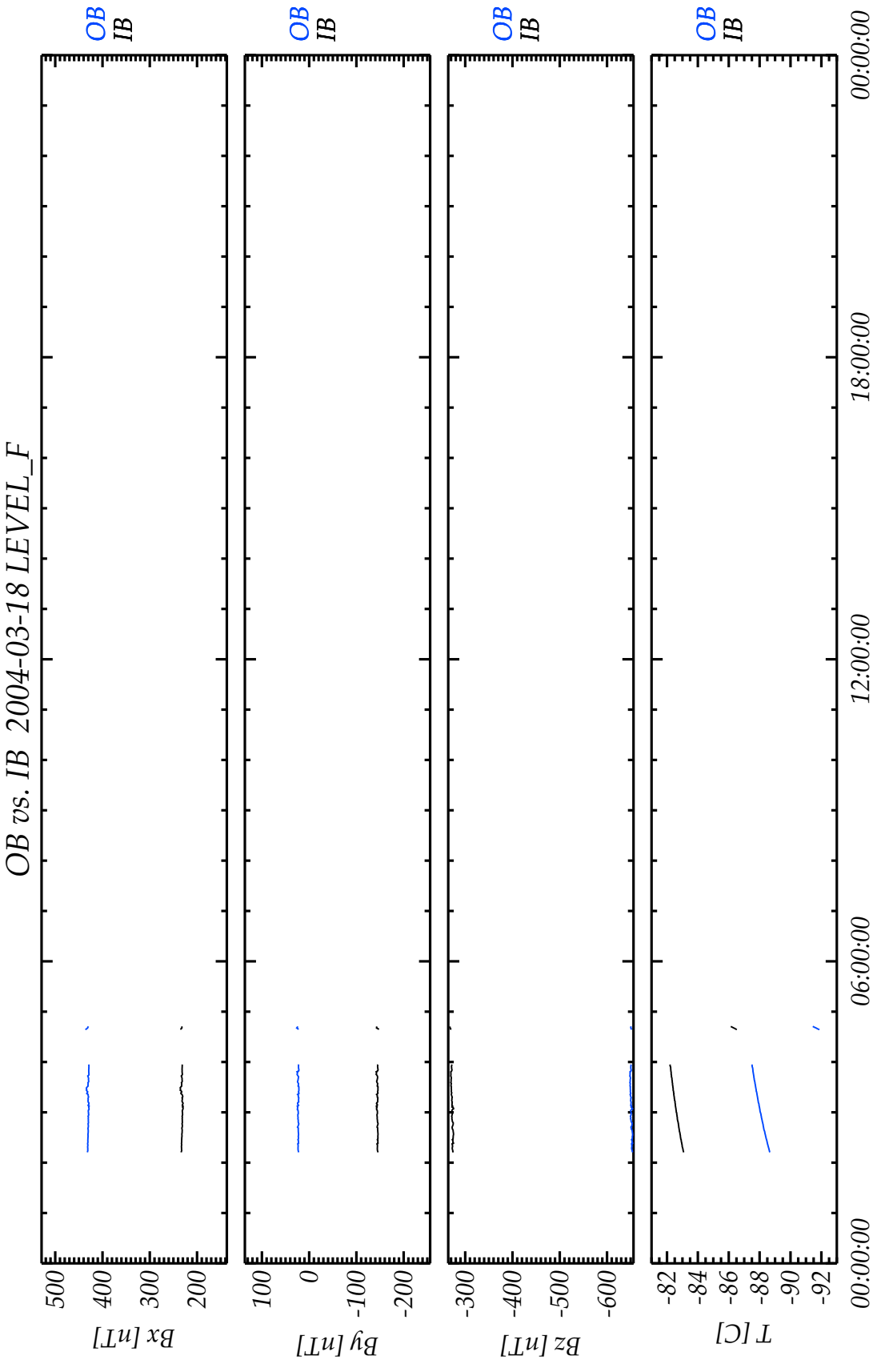


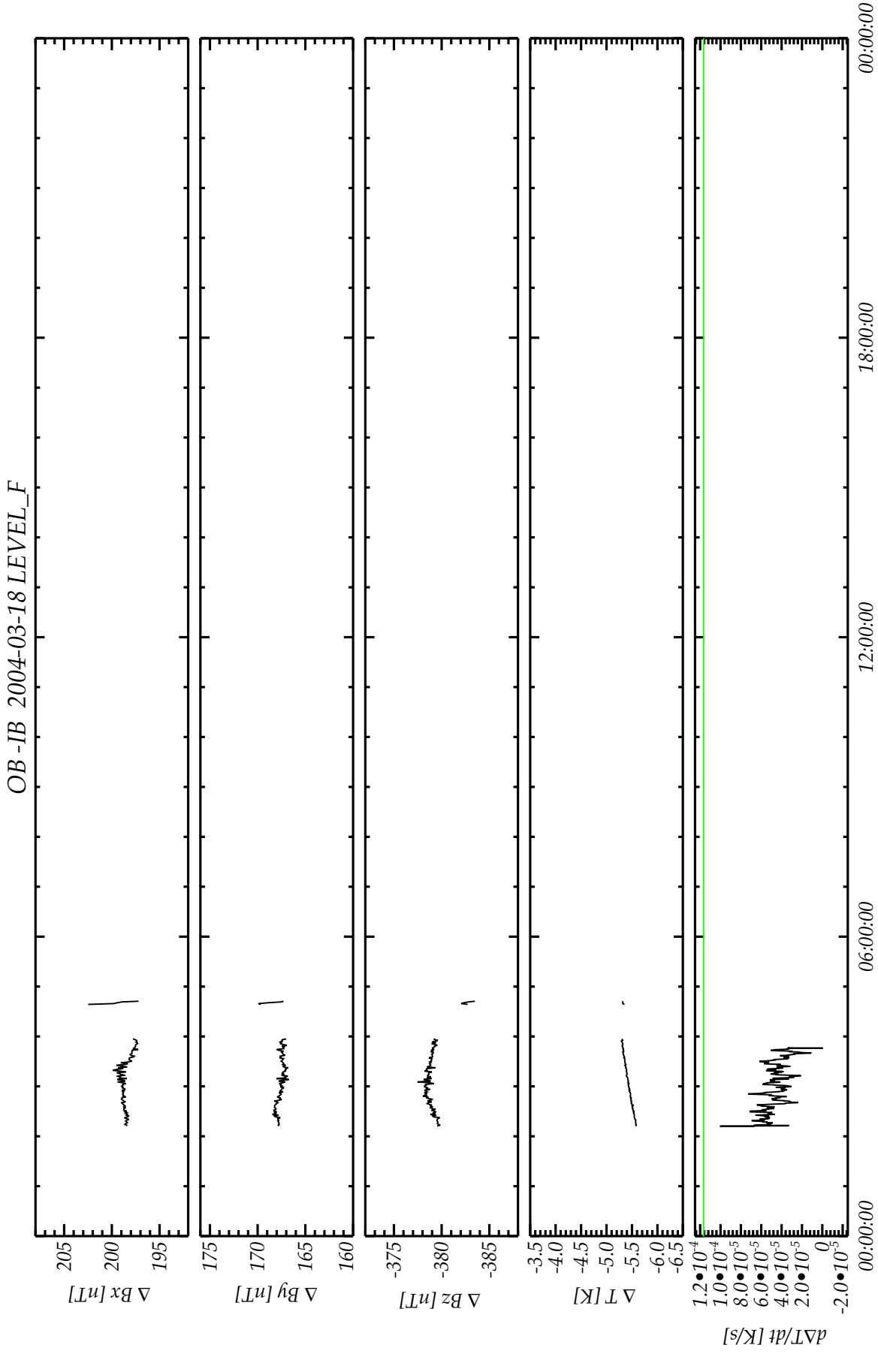
Figure 2: Overview March 2004

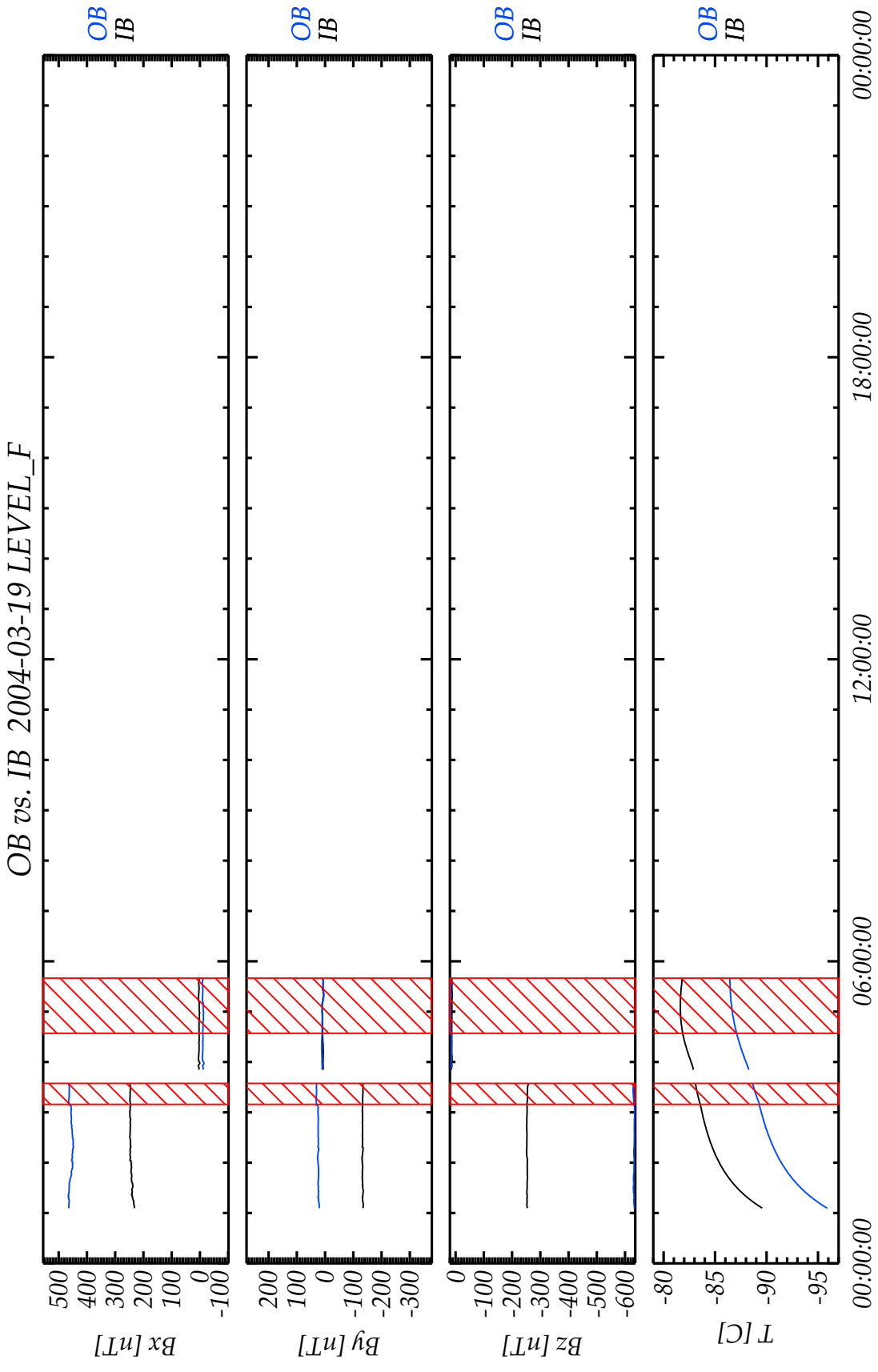
DATE	LEVEL	AVERAGE [s]	SENSOR
2004-03-17	CLF	1	OB
2004-03-17	CLG	1	OB
2004-03-17	CLF	1	IB
2004-03-17	CLG	1	IB
2004-03-18	CLF	1	OB
2004-03-18	CLG	1	OB
2004-03-18	CLG	1	IB
2004-03-18	CLF	1	IB
2004-03-19	CLF	1	OB
2004-03-19	CLG	1	OB
2004-03-19	CLF	1	IB
2004-03-19	CLG	1	IB

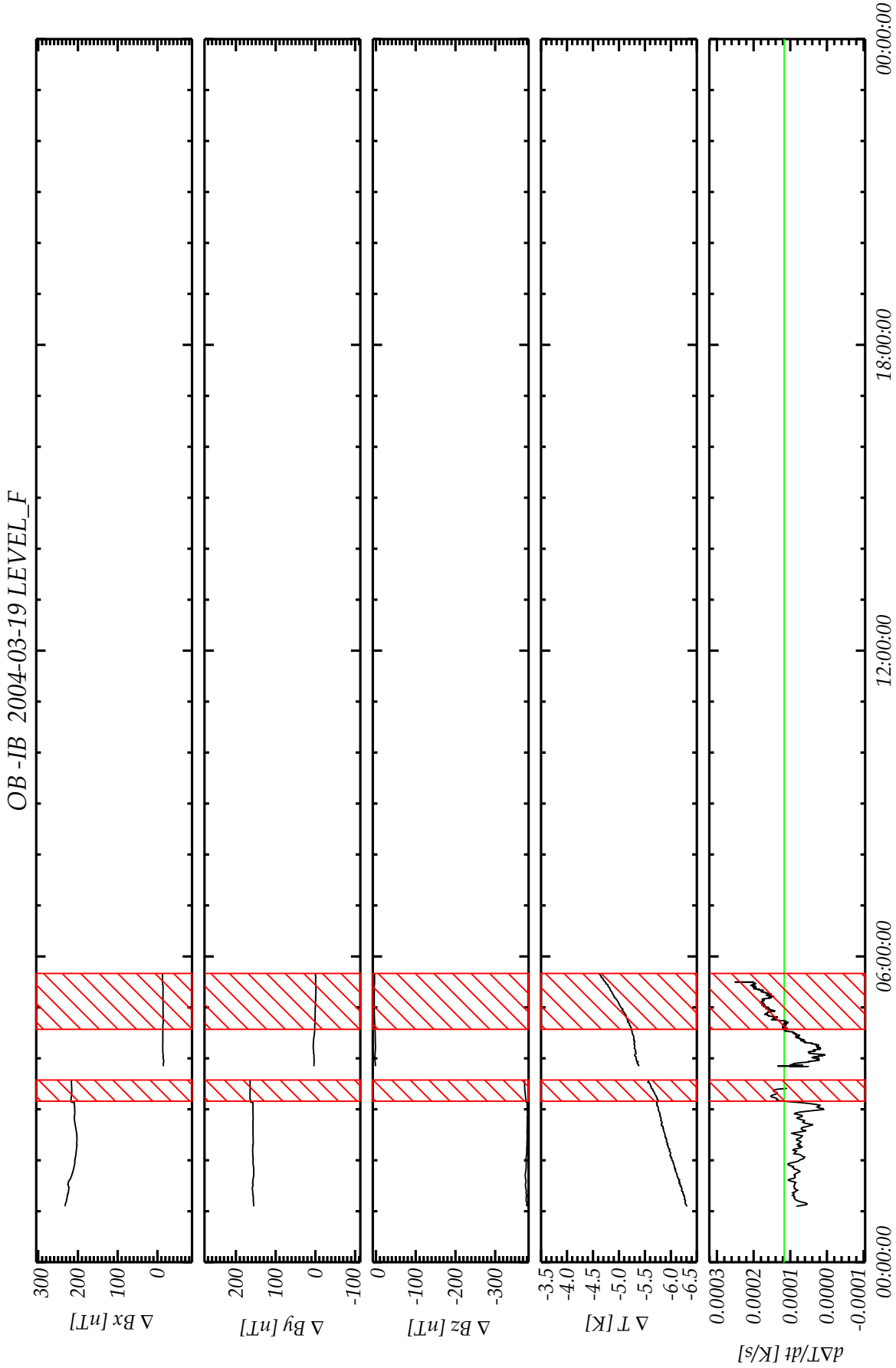

OB vs. IB 2004-03-17 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-03-17 LEVEL_F
Δ Bx [nT]
245
240
235
230
225
Δ By [nT]
175
170
165
160
155
Δ Bz [nT]
-370
-375
-380
-385
-390
Δ T [K]
-4.5
-5.0
-5.5
-6.0
-6.5
-7.0
-7.5
dΔT/dt [K/s]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-03-18 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
500
400
300
200
100
0
-100
-200
-300
-400
-500
-600
-82
-84
-86
-88
-90
-92
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-03-18 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-03-19 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-03-19 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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06:00:00
12:00:00
18:00:00
00:00:00

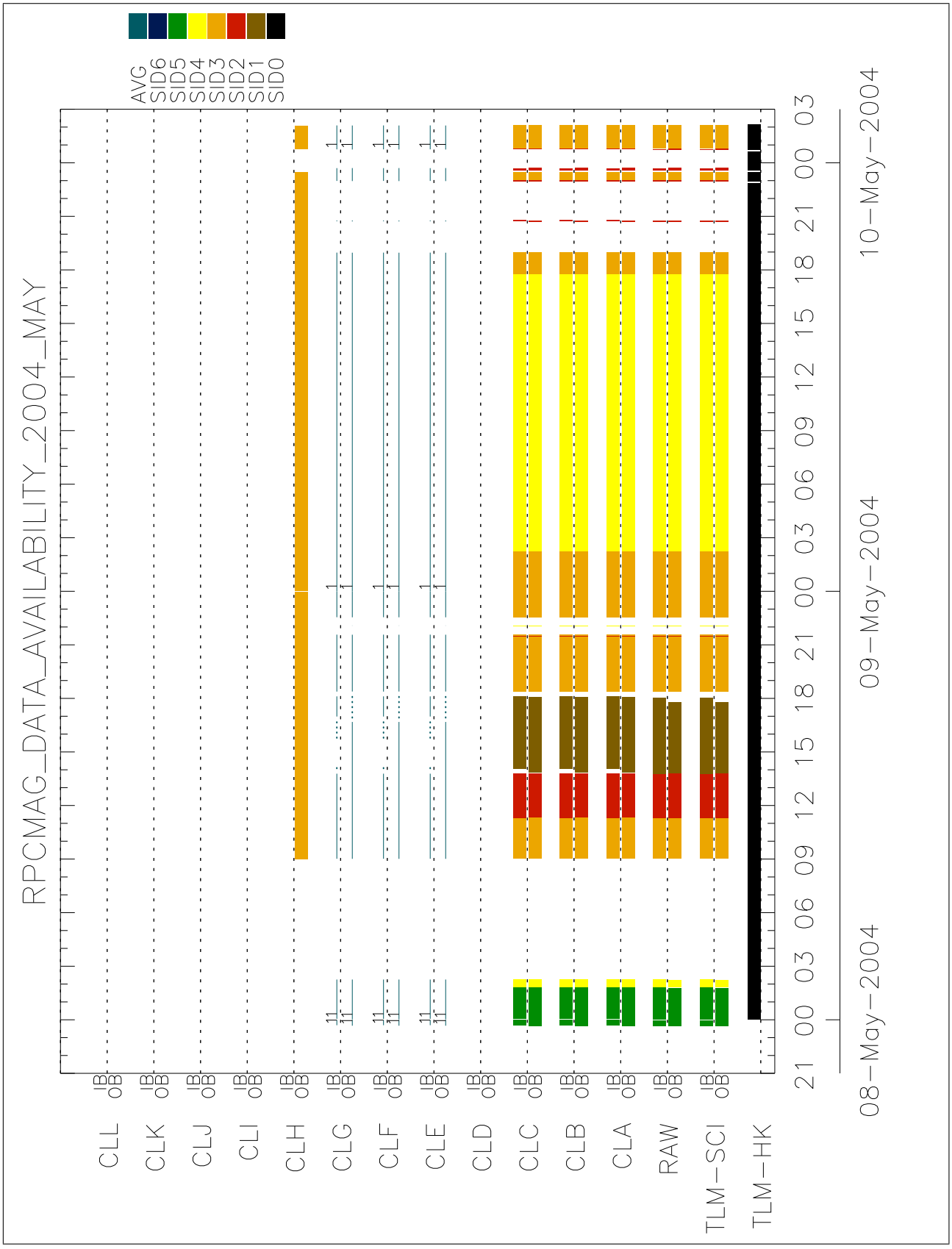
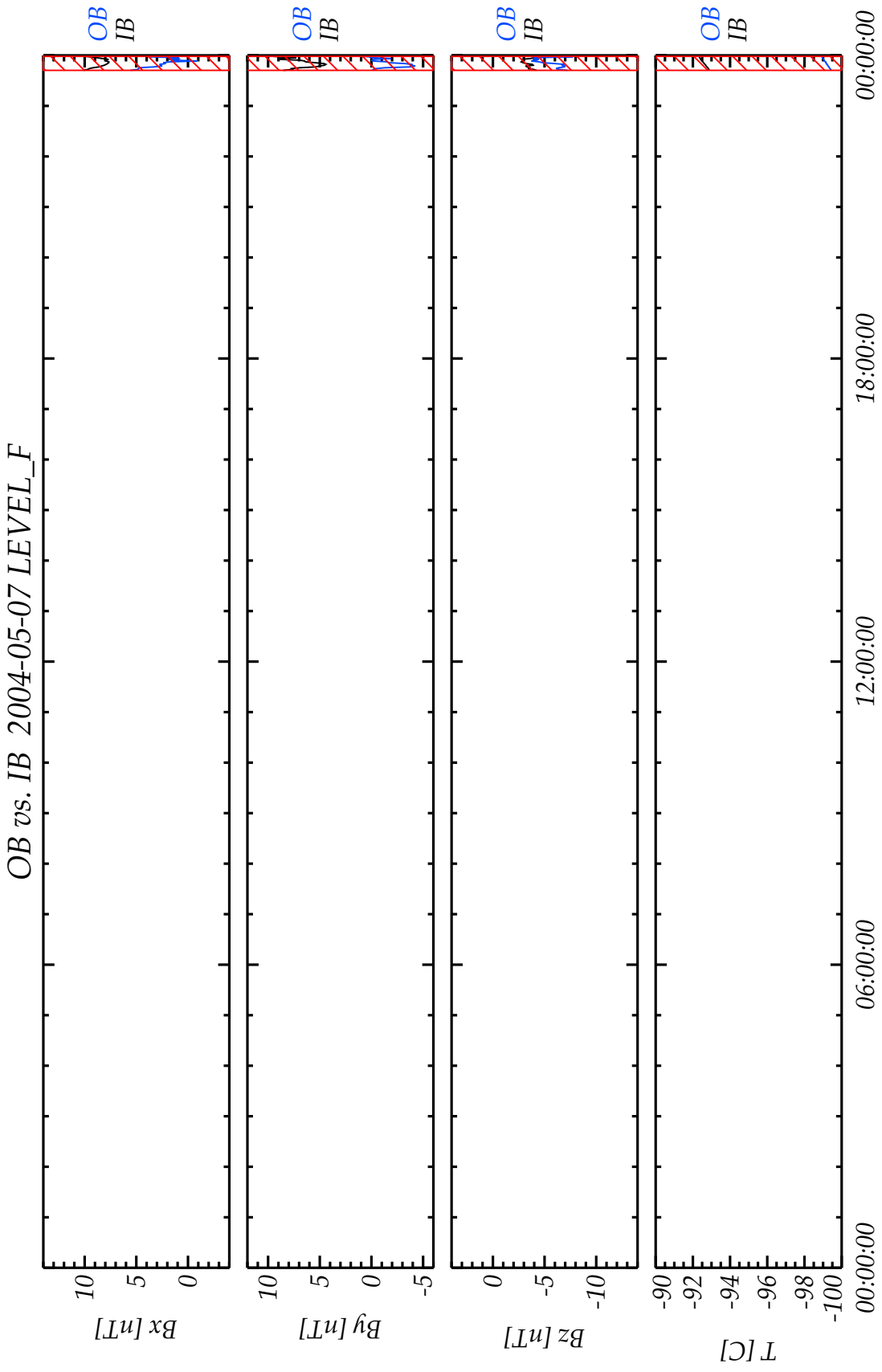
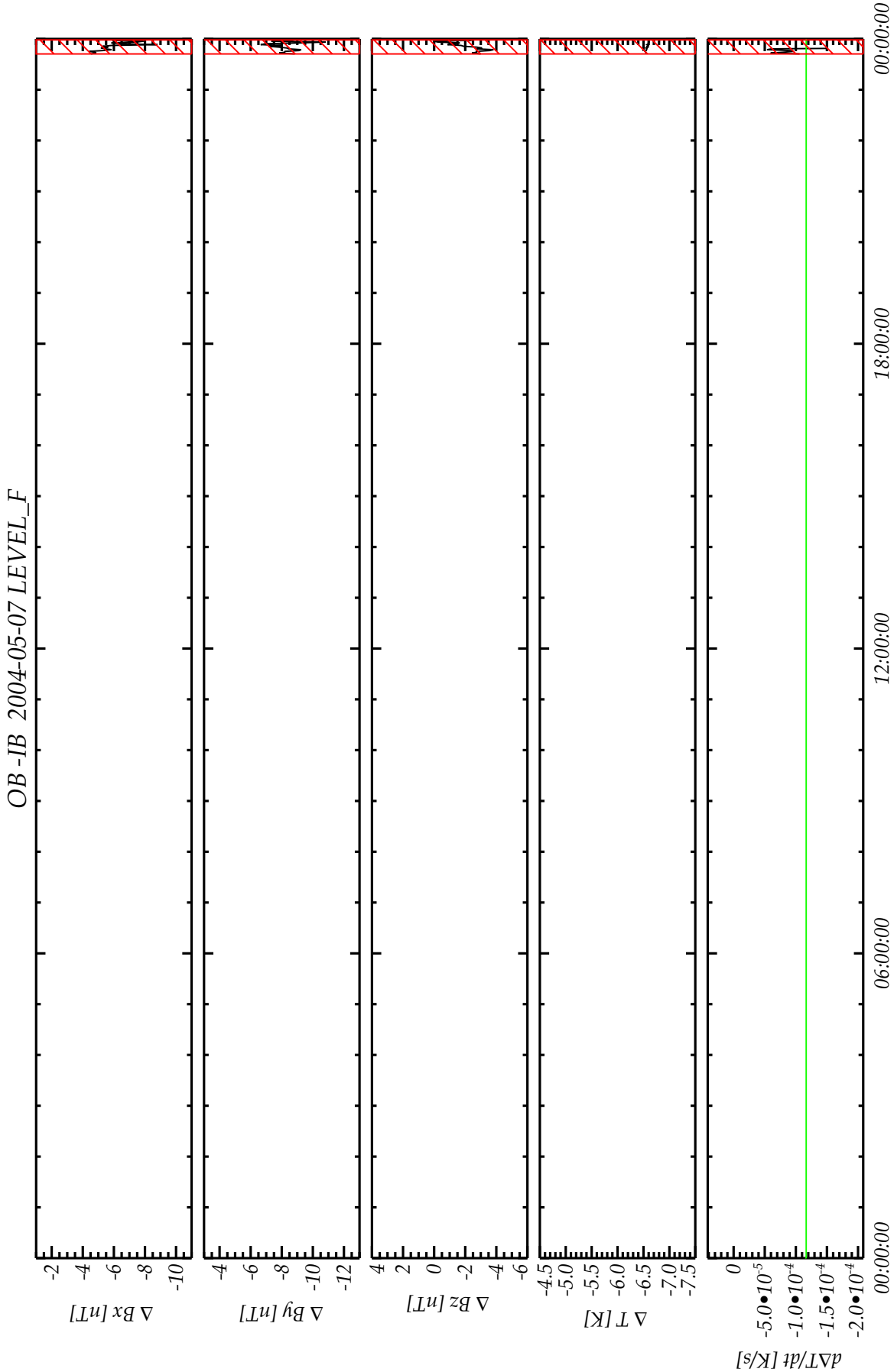
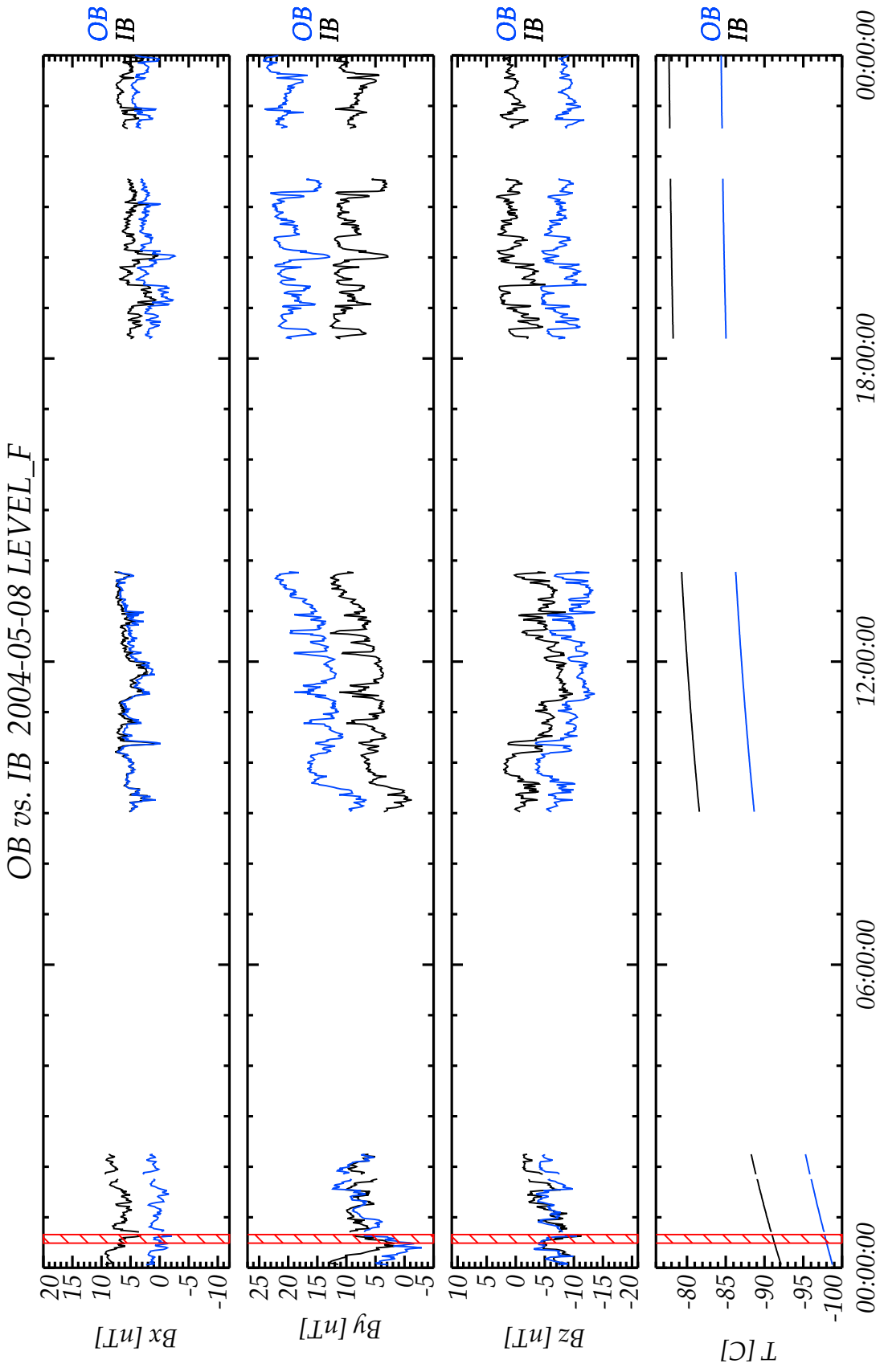


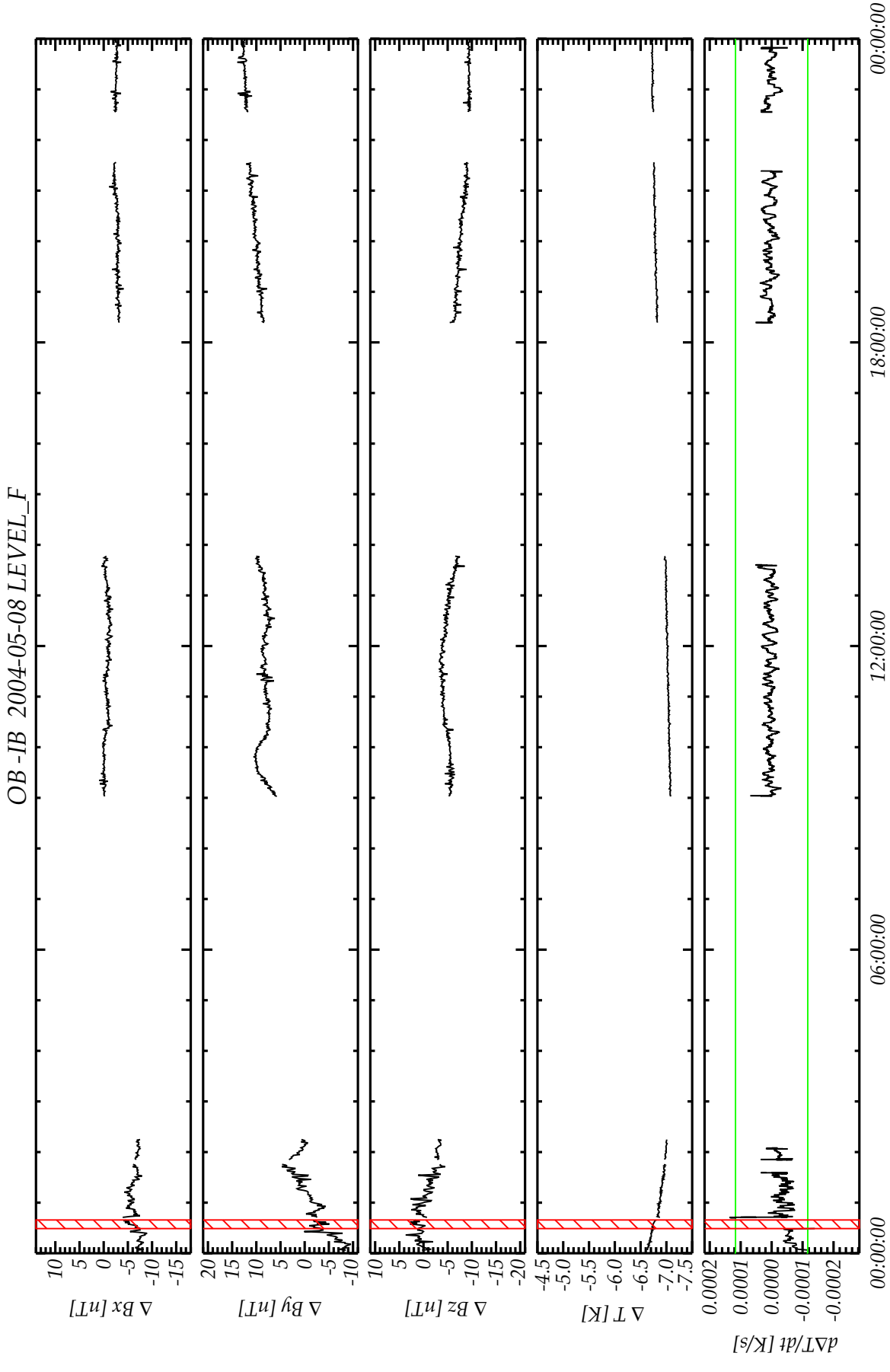
Figure 3: Overview May 2004

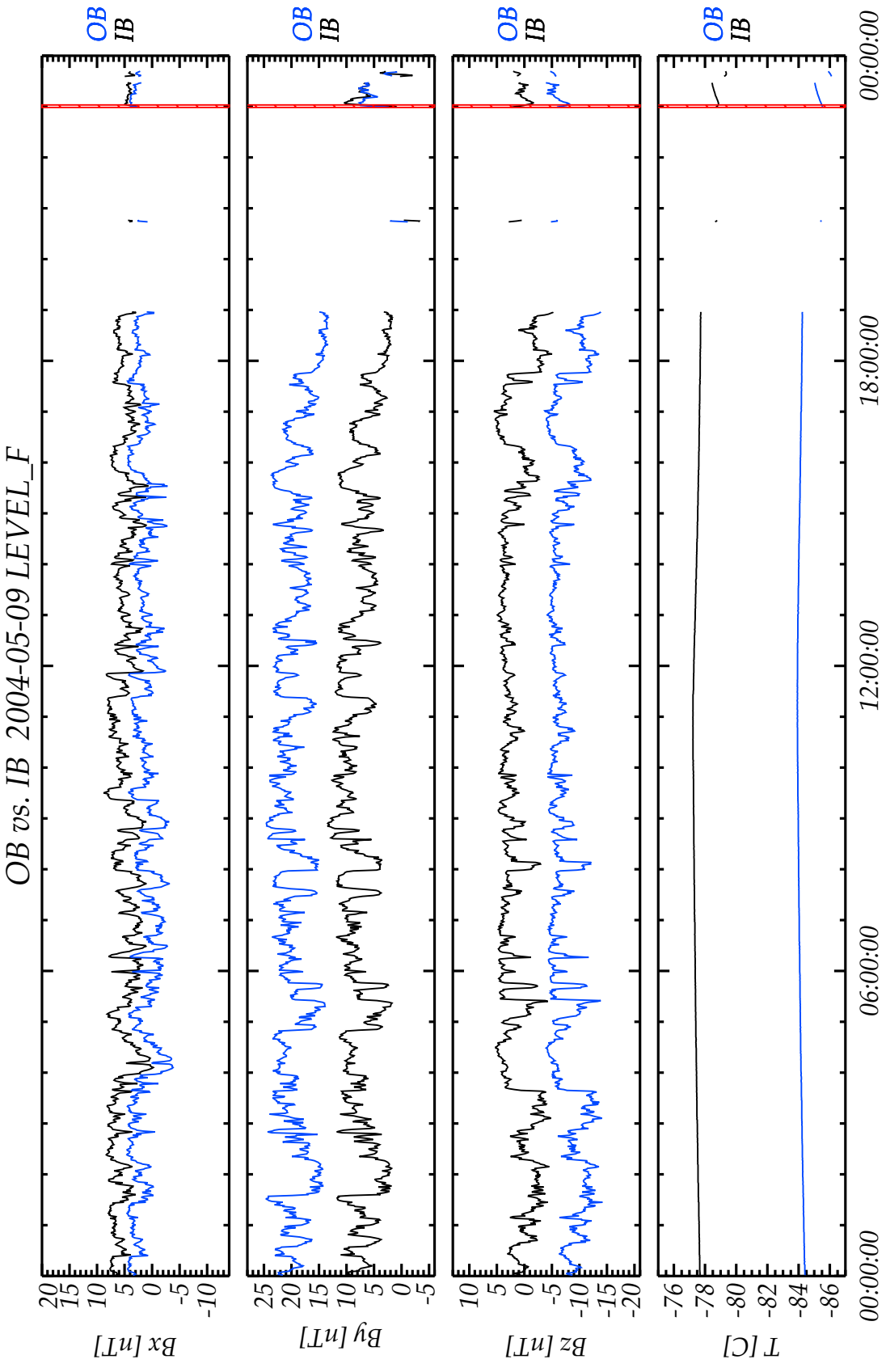
DATE	LEVEL	AVERAGE [s]	SENSOR
2004-05-07	CLE	1	OB
2004-05-07	CLF	1	OB
2004-05-07	CLG	1	OB
2004-05-07	CLG	1	IB
2004-05-07	CLF	1	IB
2004-05-07	CLE	1	IB
2004-05-08	CLF	1	OB
2004-05-08	CLG	1	OB
2004-05-08	CLE	1	OB
2004-05-08	CLG	1	IB
2004-05-08	CLF	1	IB
2004-05-08	CLE	1	IB
2004-05-09	CLF	1	OB
2004-05-09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

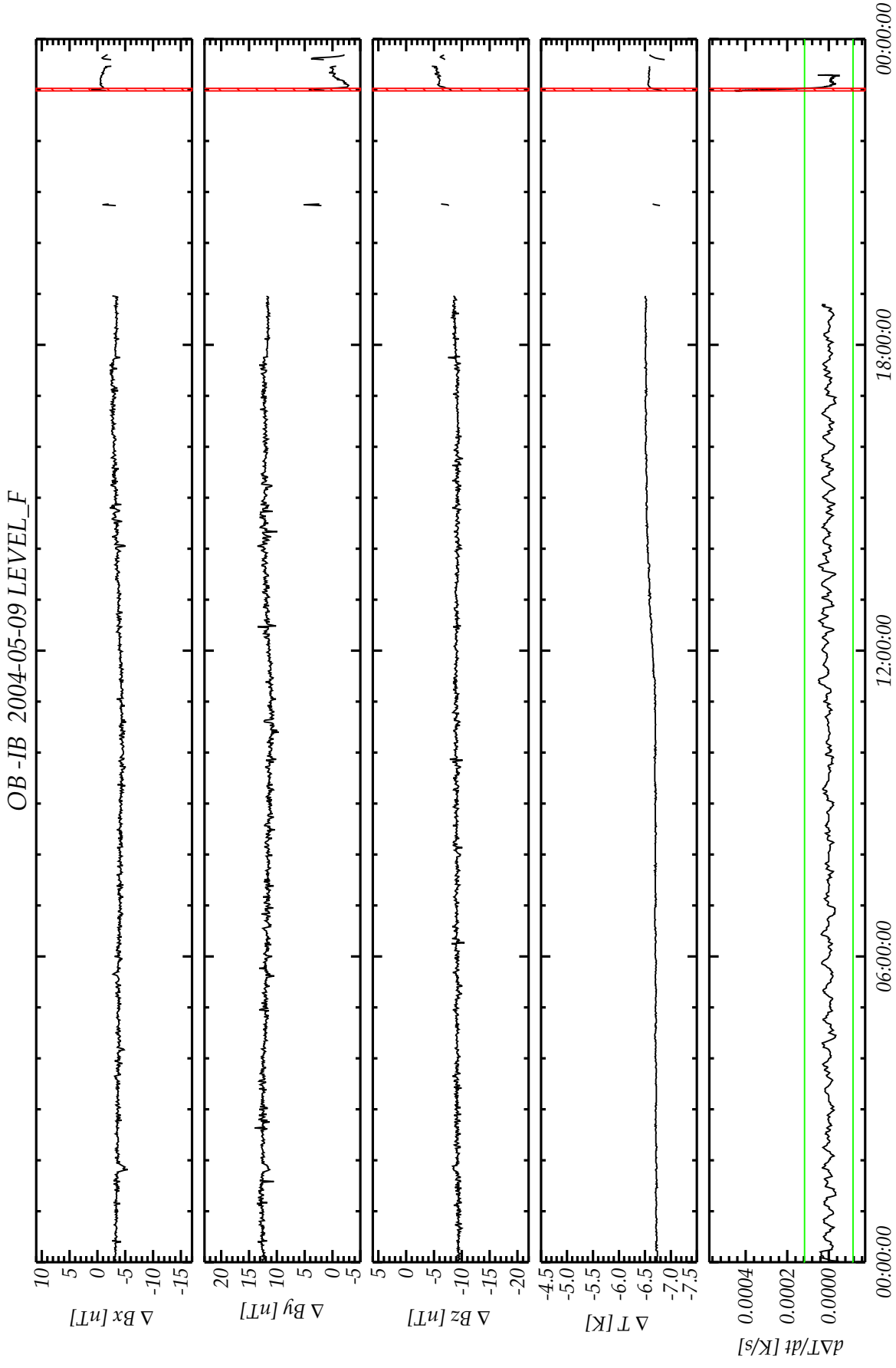

OB vs. IB 2004-05-07 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-05-07 LEVEL_F
00:00:00
18:00:00
12:00:00
06:00:00
00:00:00
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]


OB vs. IB 2004-05-08 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-05-08 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-05-09 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-05-09 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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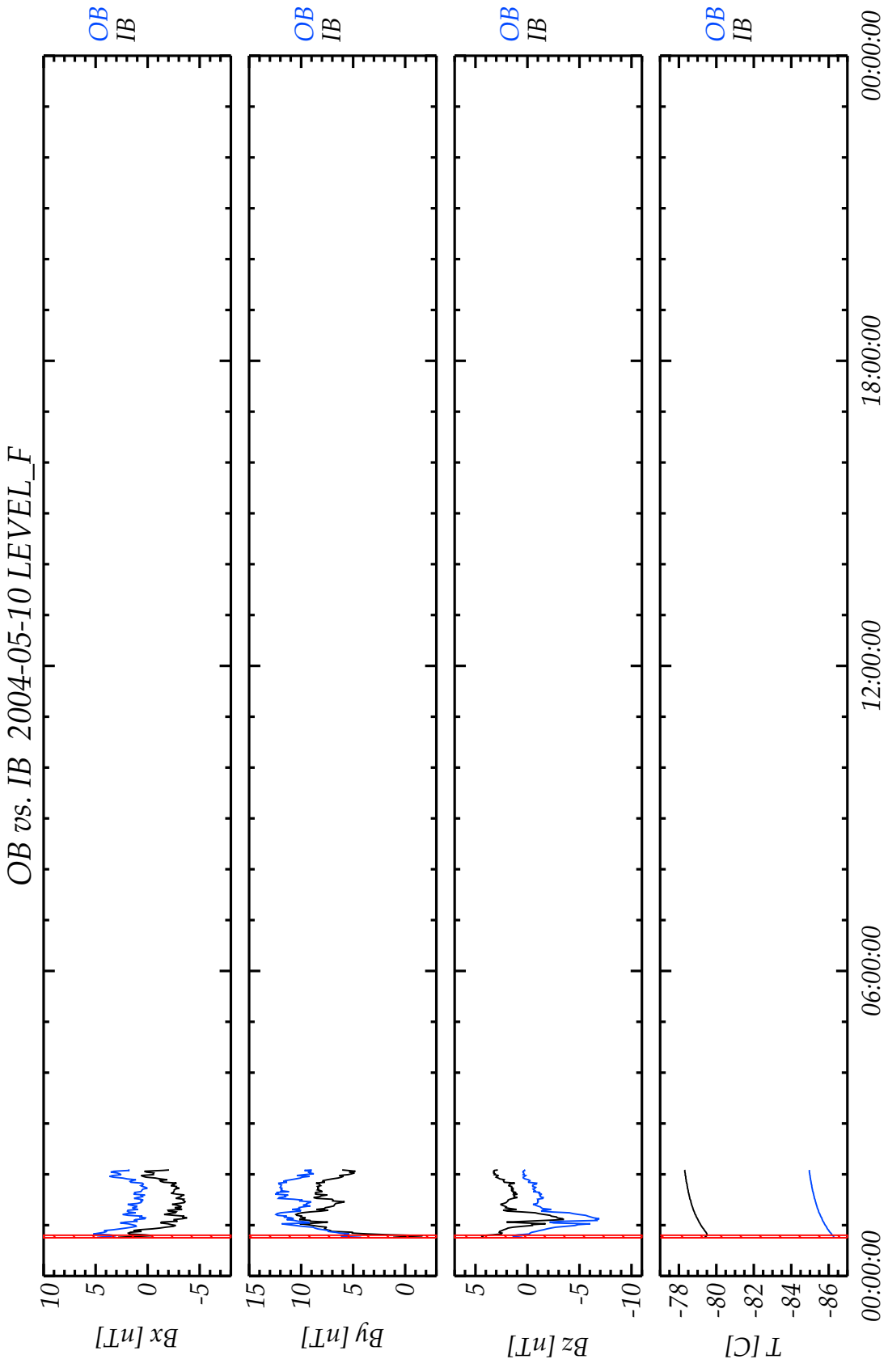
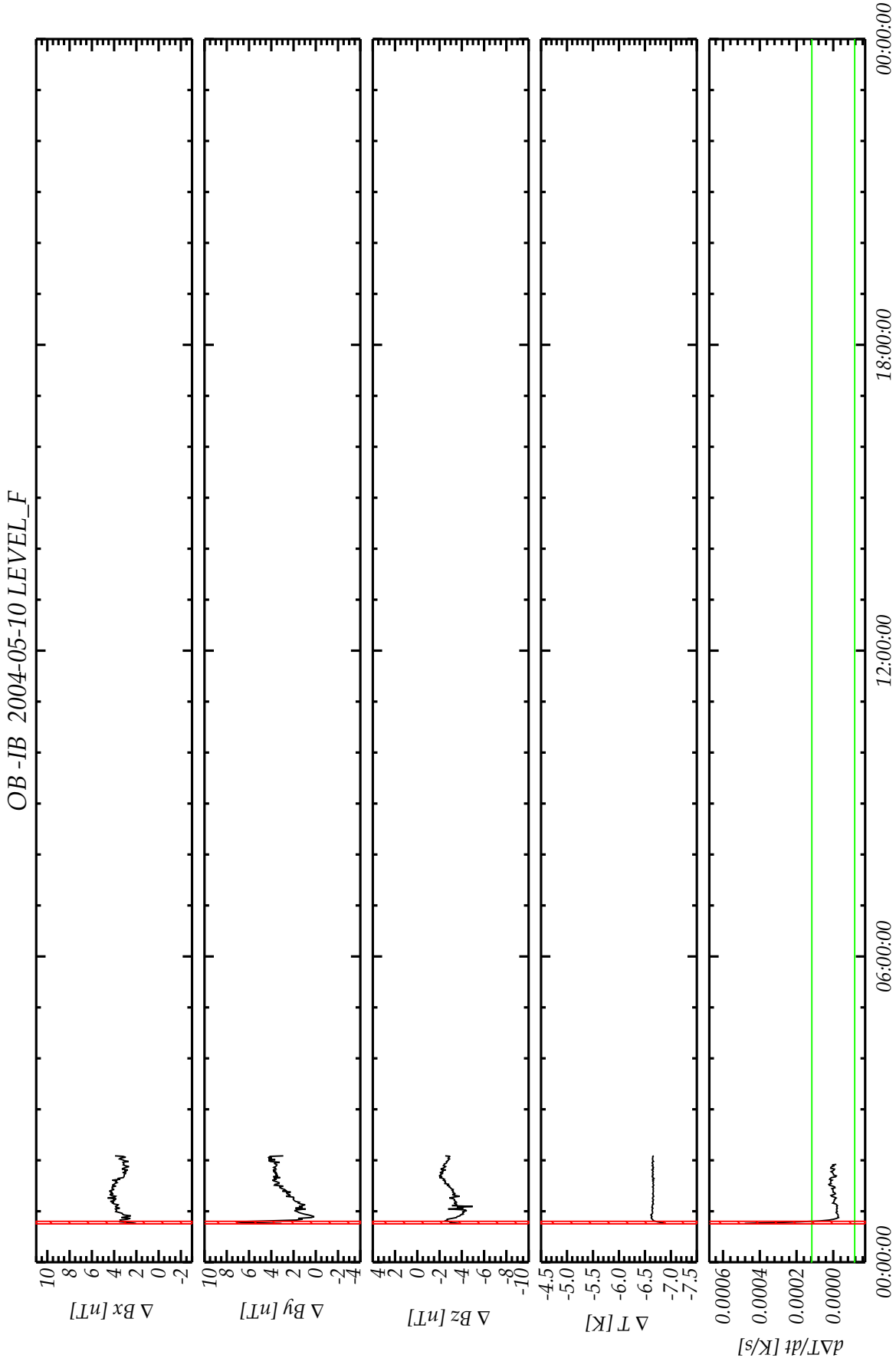
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-05-10 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-05-10 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

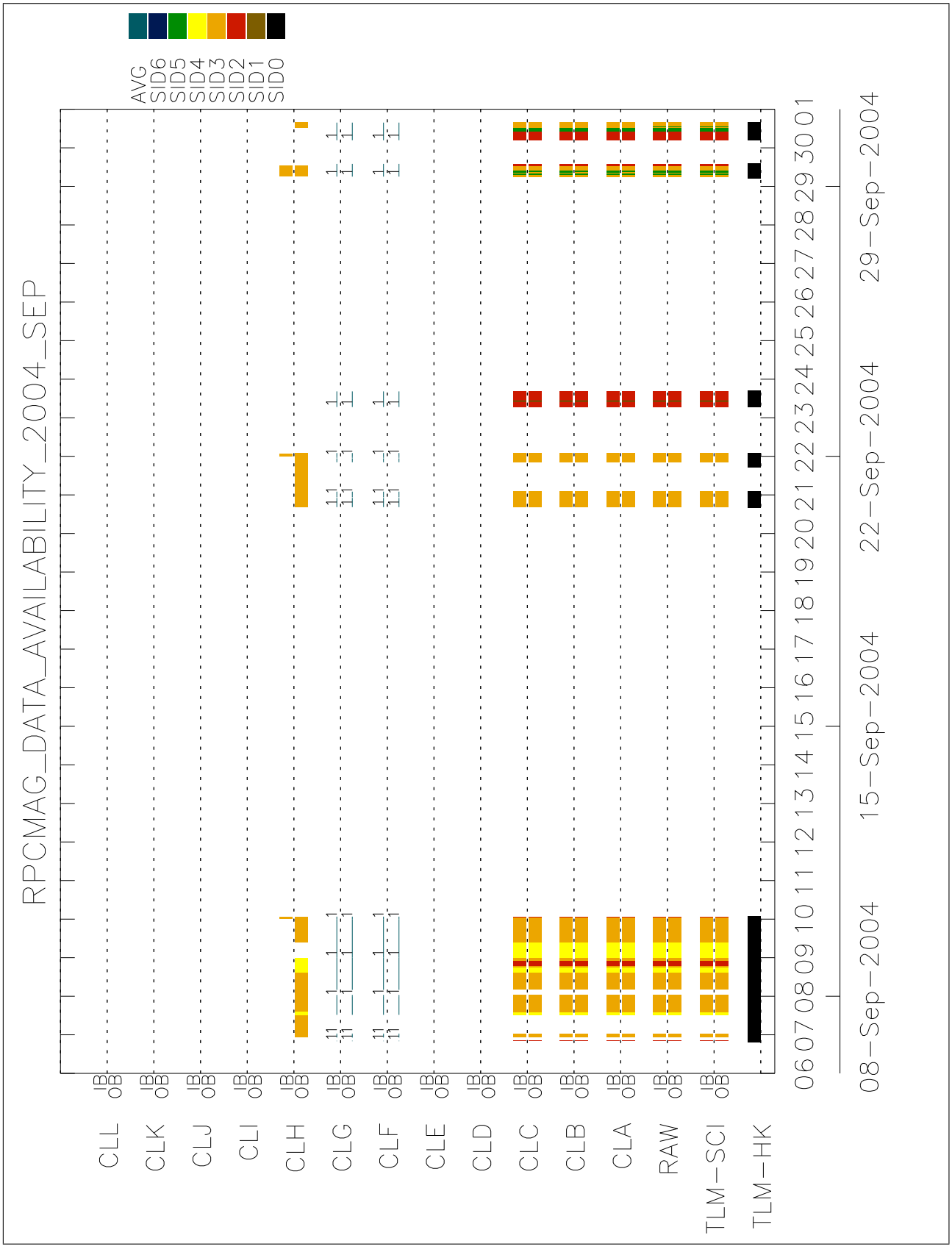
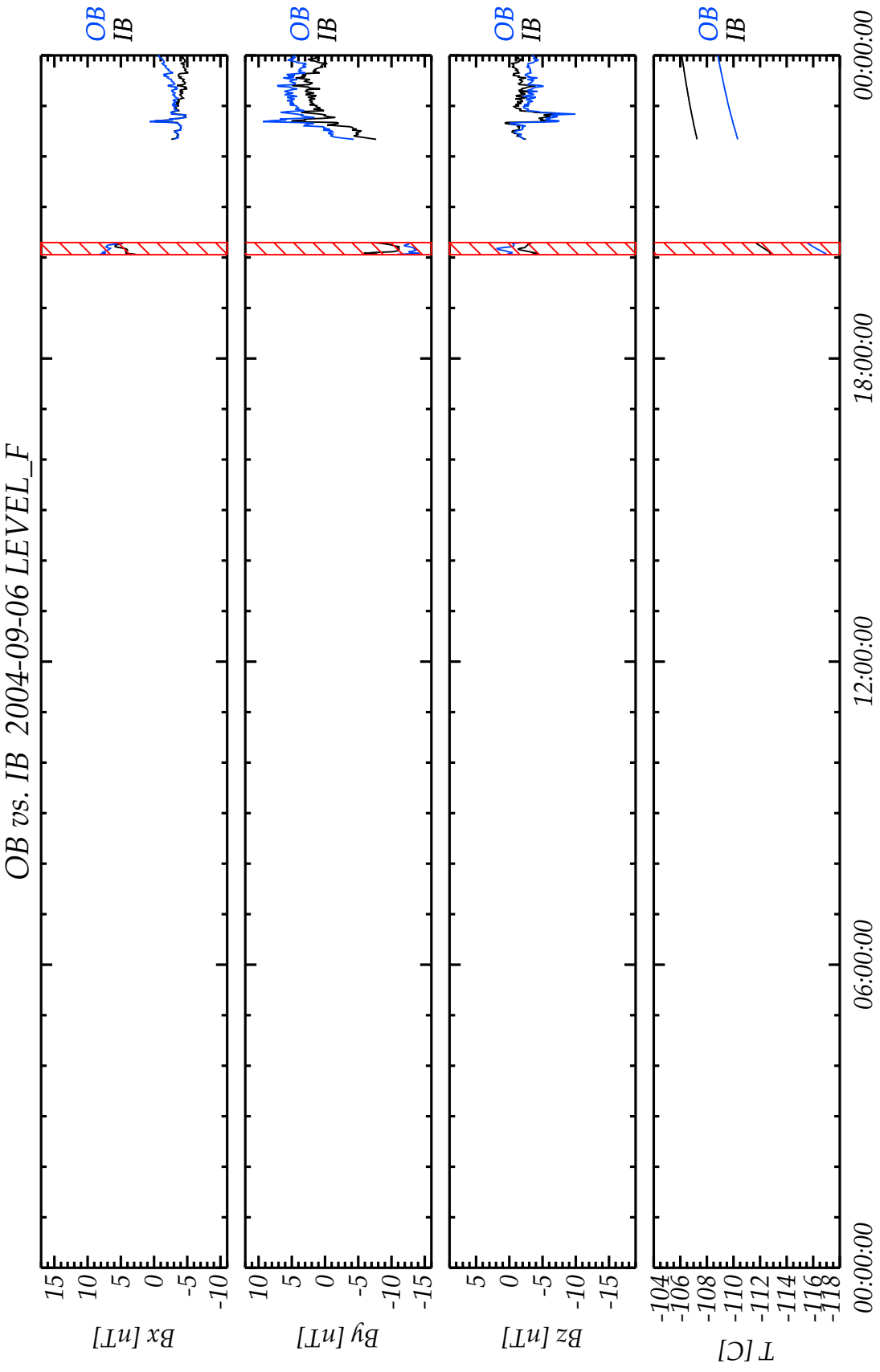
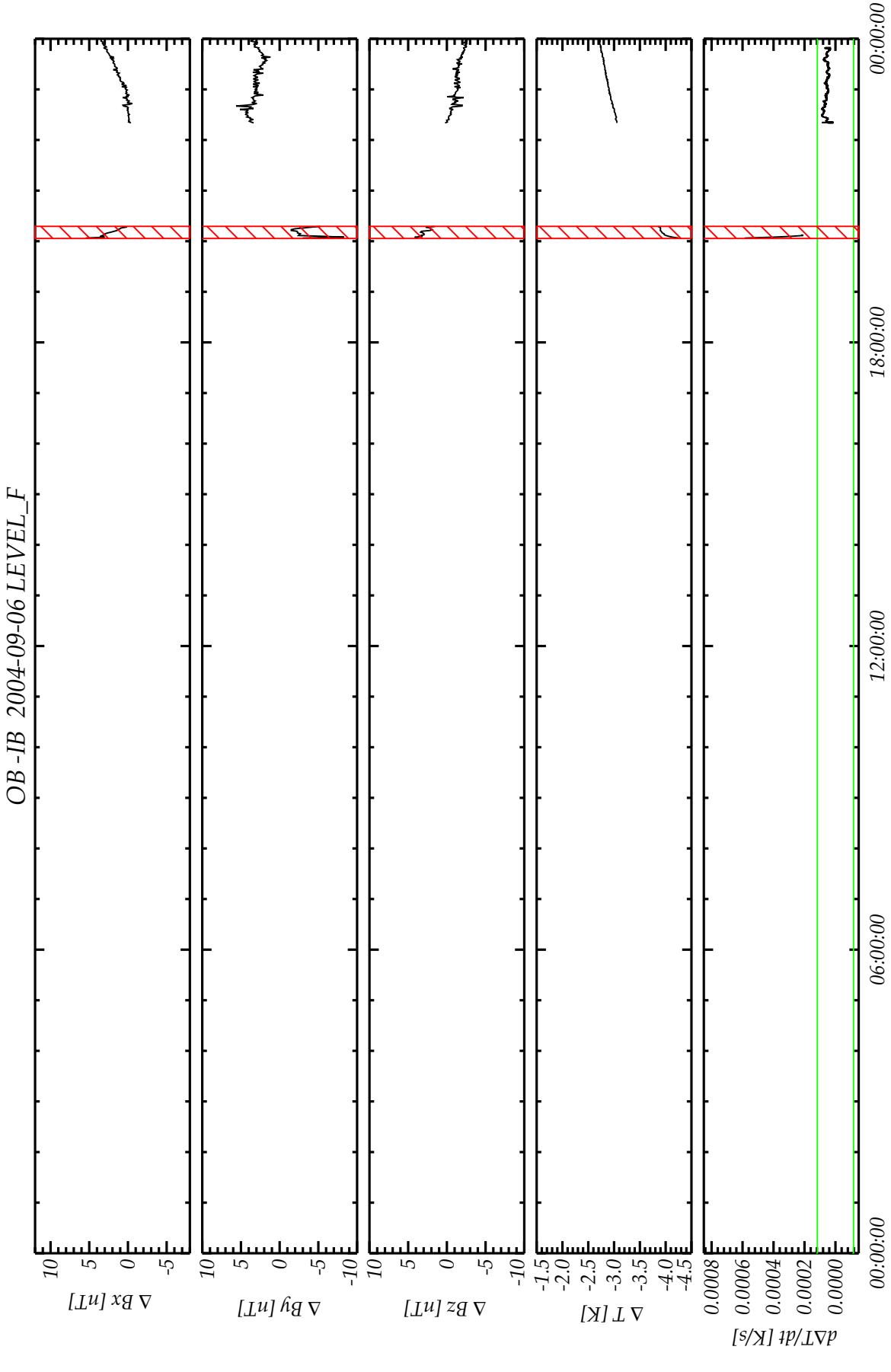
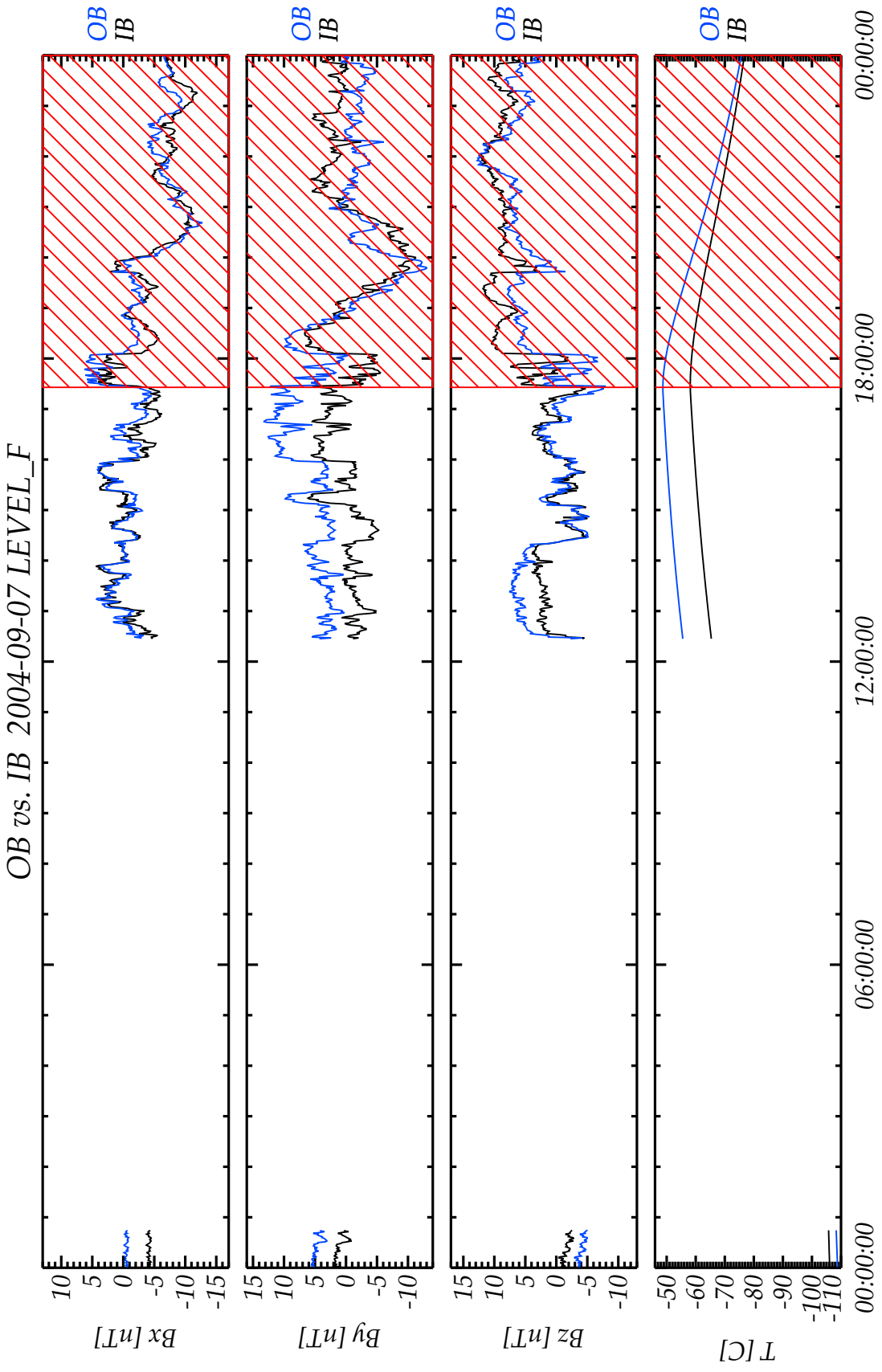


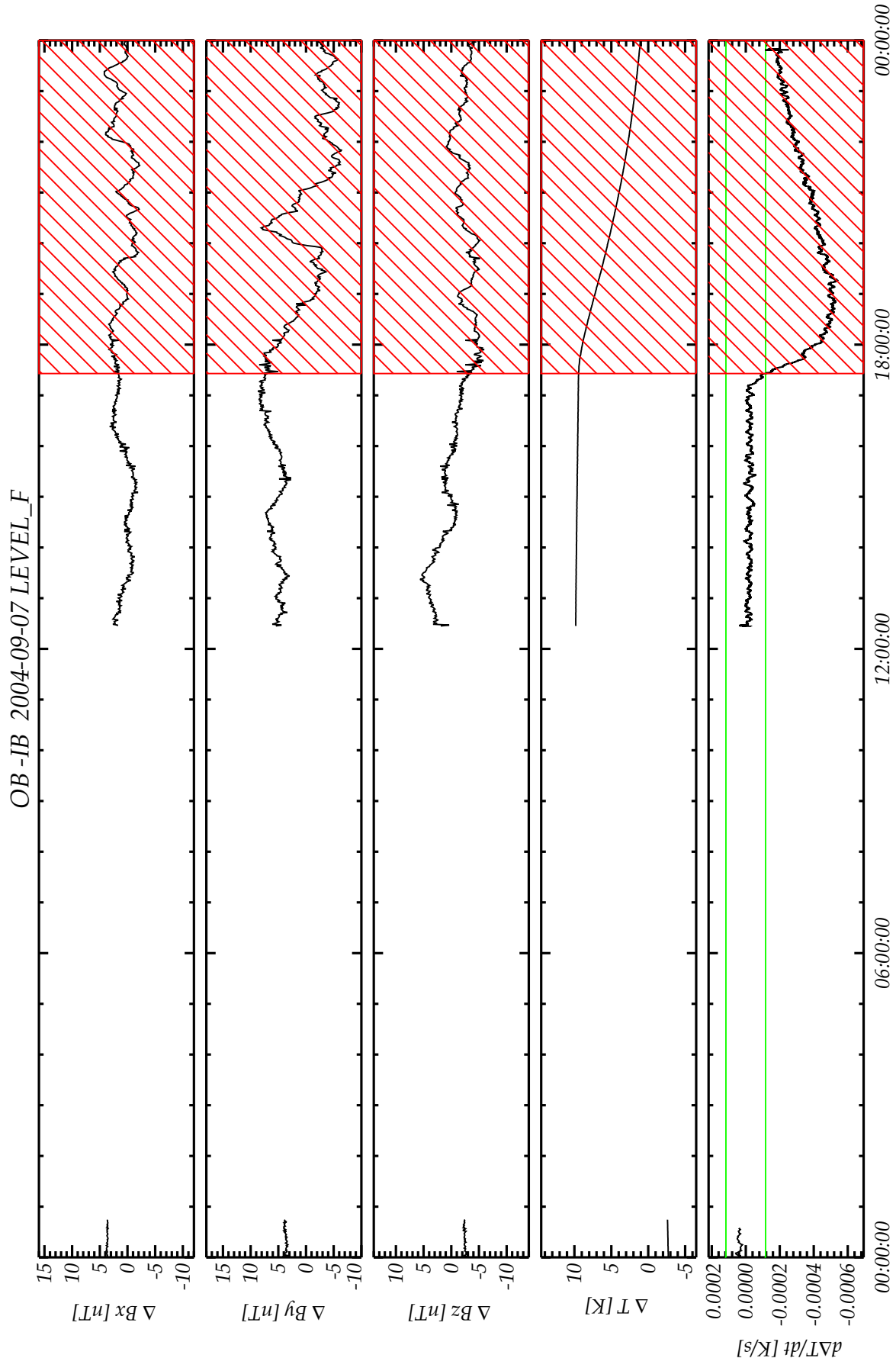
Figure 4: Overview September 2004

DATE	LEVEL	AVERAGE [s]	SENSOR
2004-09-06	CLG	1	OB
2004-09-06	CLF	1	OB
2004-09-06	CLF	1	IB
2004-09-06	CLG	1	IB
2004-09-07	CLG	1	OB
2004-09-07	CLF	1	OB
2004-09-07	CLG	1	IB
2004-09-07	CLF	1	IB
2004-09-08	CLF	1	OB
2004-09-08	CLG	1	OB
2004-09-08	CLF	1	IB
2004-09-08	CLG	1	IB
2004-09-09	CLF	1	OB
2004-09-09	CLG	1	OB
2004-09-09	CLG	1	IB
2004-09-09	CLF	1	IB
2004-09-10	CLF	1	OB
2004-09-10	CLG	1	OB
2004-09-10	CLG	1	IB
2004-09-10	CLF	1	IB
2004-09-20	CLF	1	OB
2004-09-20	CLG	1	OB
2004-09-20	CLG	1	IB
2004-09-20	CLF	1	IB
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	CLG	1	OB
2004-09-22	CLF	1	OB
2004-09-22	CLF	1	IB
2004-09-22	CLG	1	IB
2004-09-23	CLG	1	OB
2004-09-23	CLF	1	OB
2004-09-23	CLF	1	IB
2004-09-23	CLG	1	IB
2004-09-29	CLF	1	OB
2004-09-29	CLG	1	OB
2004-09-29	CLG	1	IB
2004-09-29	CLF	1	IB
2004-09-30	CLF	1	OB
2004-09-30	CLG	1	OB
2004-09-30	CLG	1	IB
2004-09-30	CLF	1	IB


OB vs. IB 2004-09-06 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-09-06 LEVEL_F
00:00:00
18:00:00
12:00:00
06:00:00
00:00:00
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]


OB vs. IB 2004-09-07 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-09-07 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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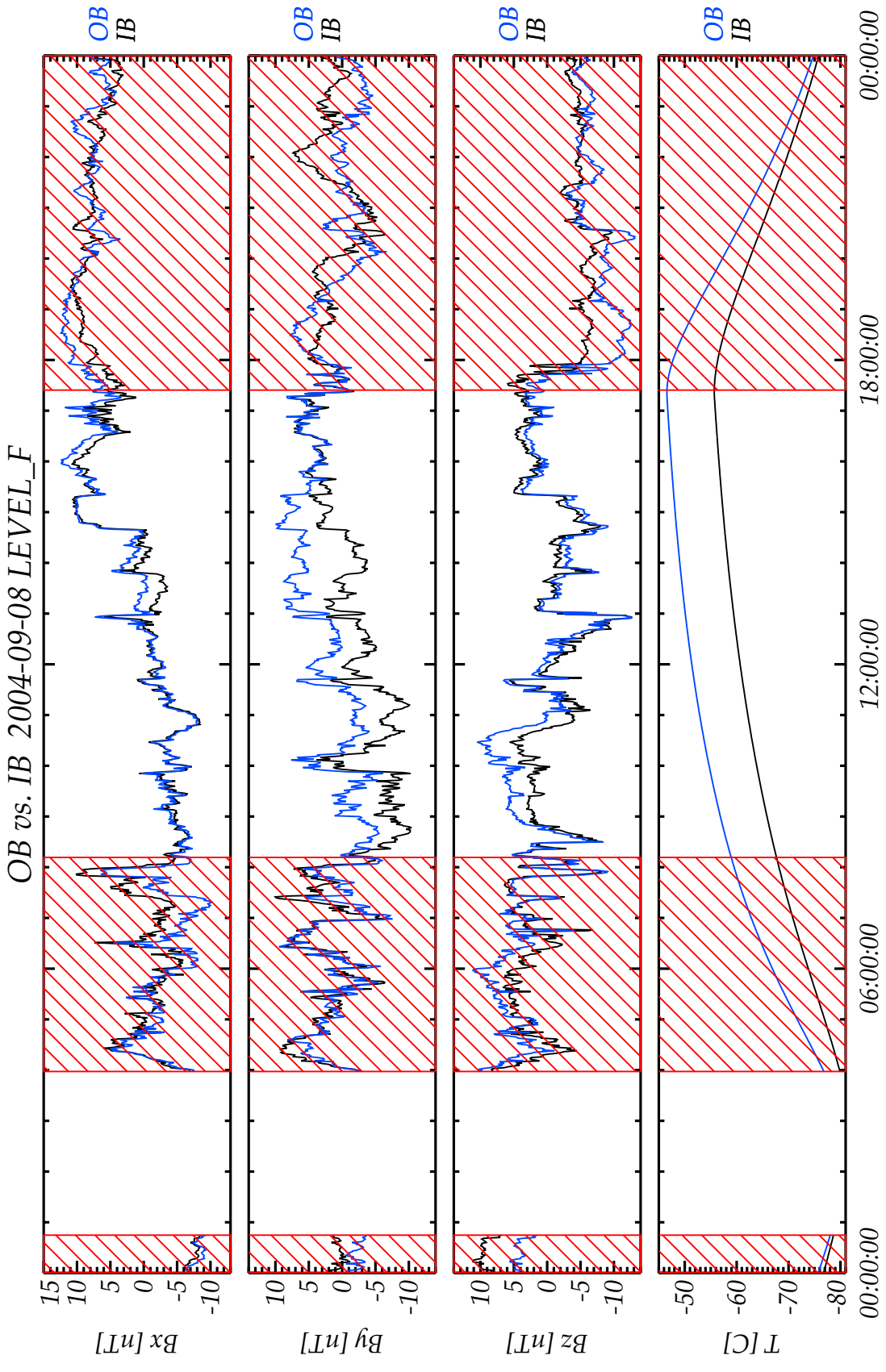
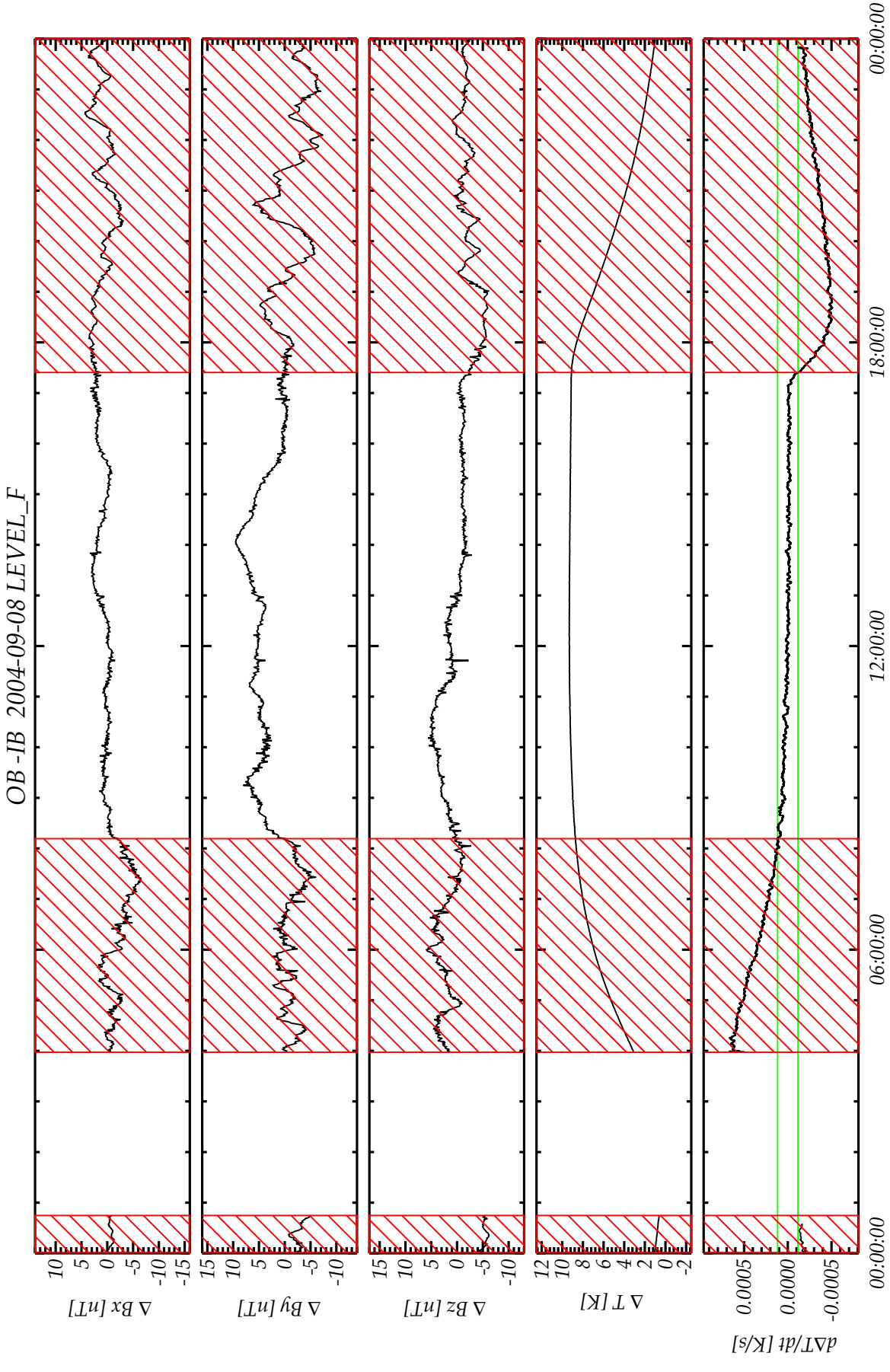
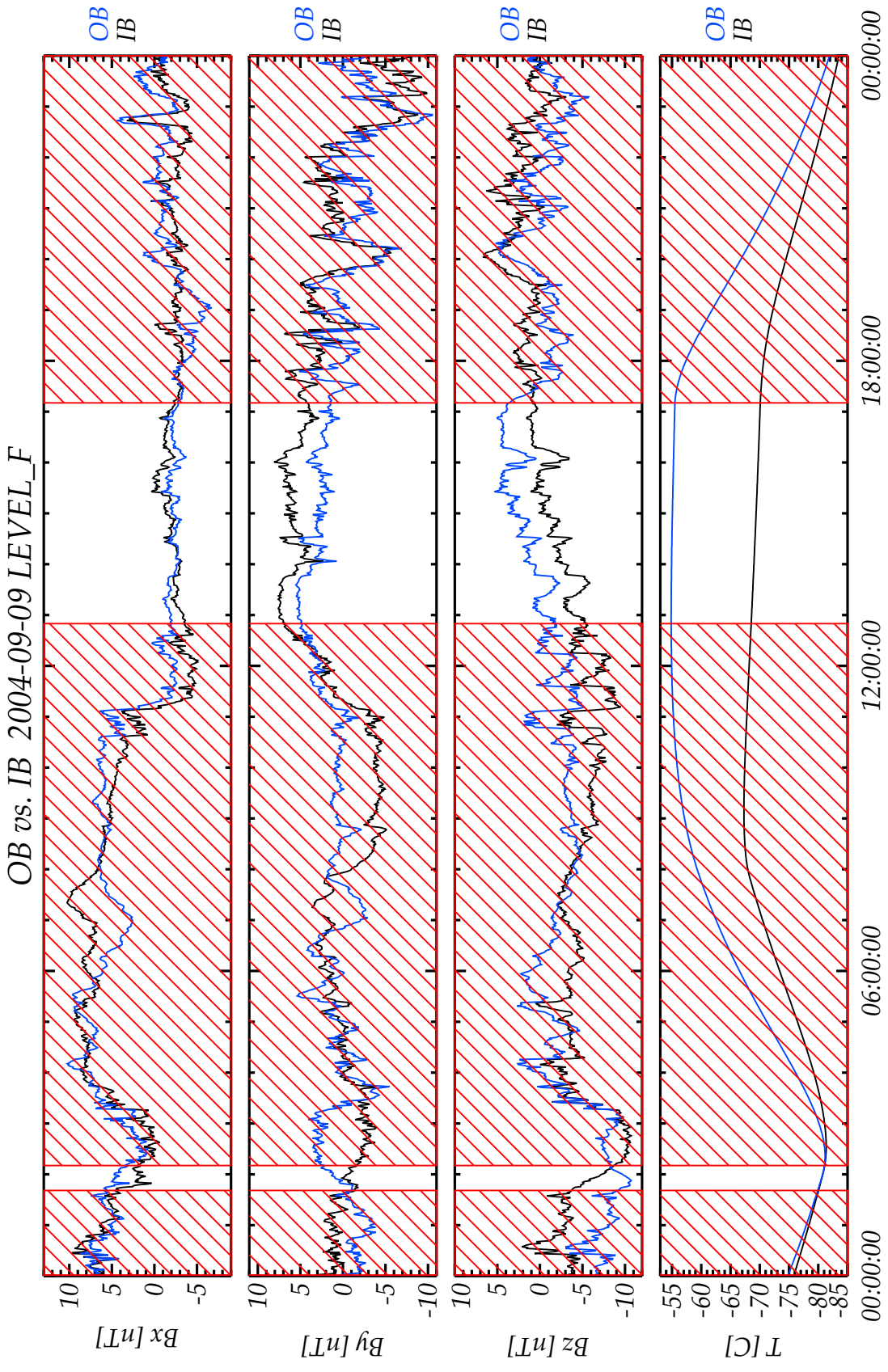
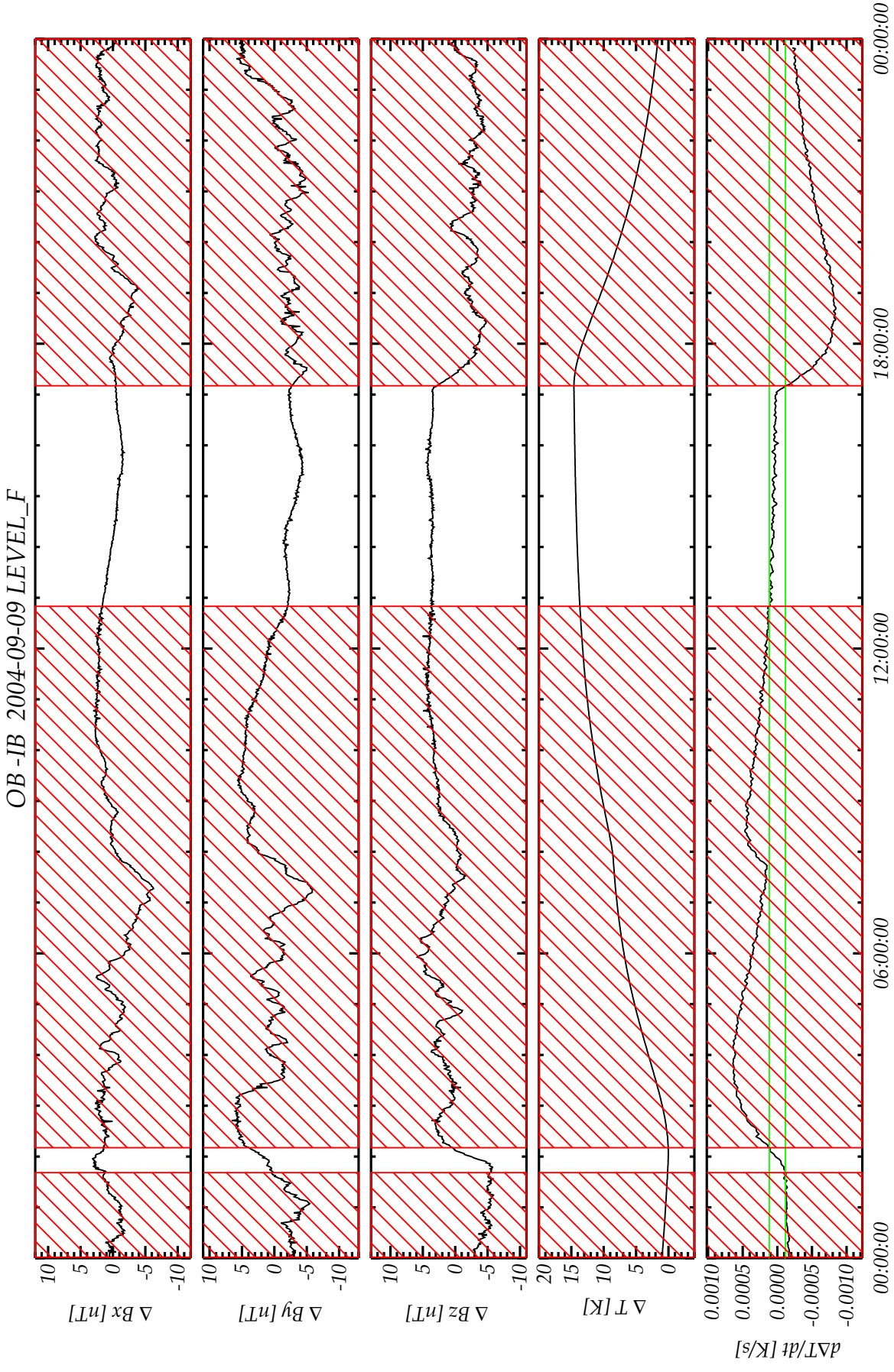
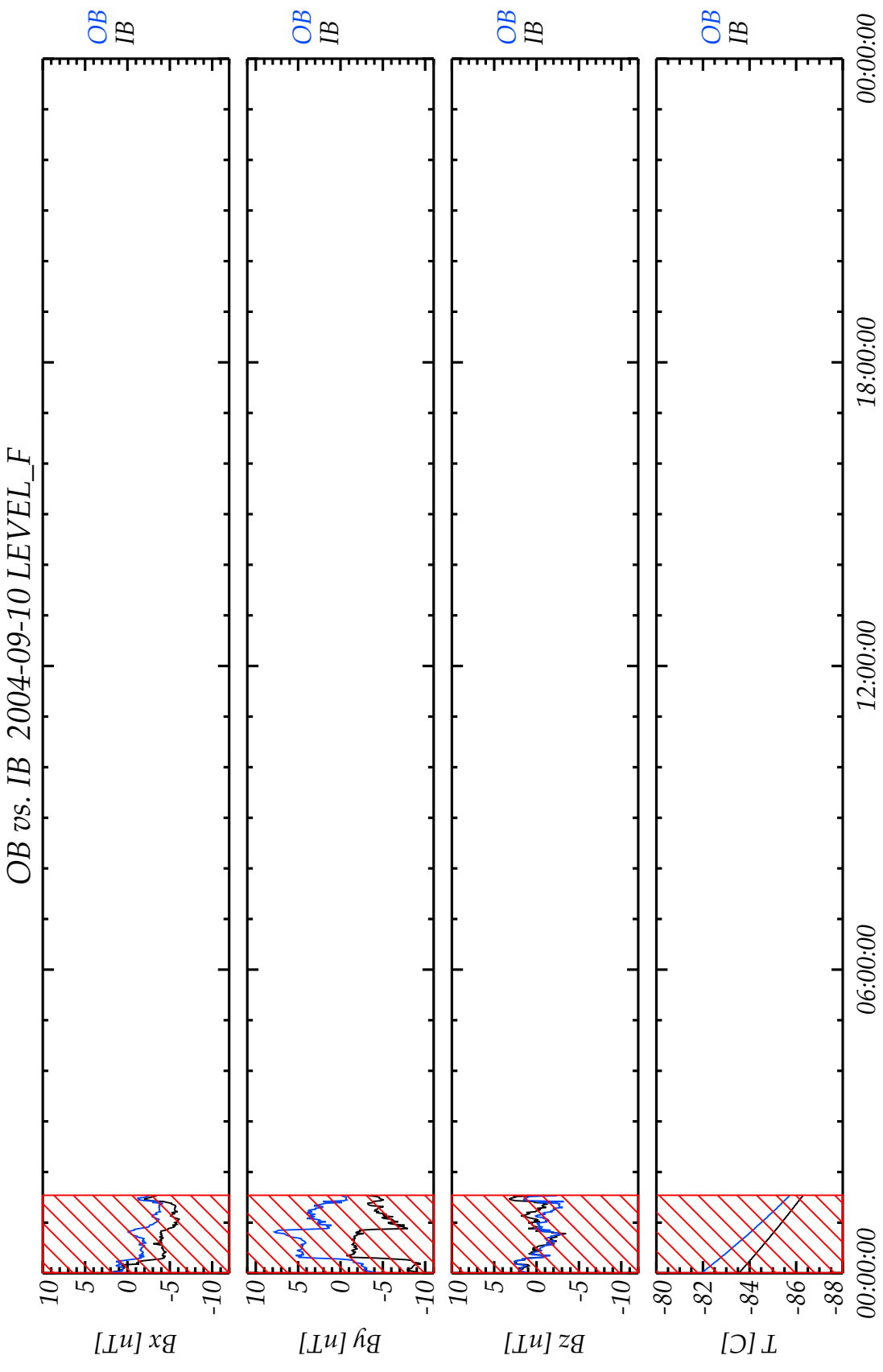
06:00:00
12:00:00
18:00:00
00:00:00

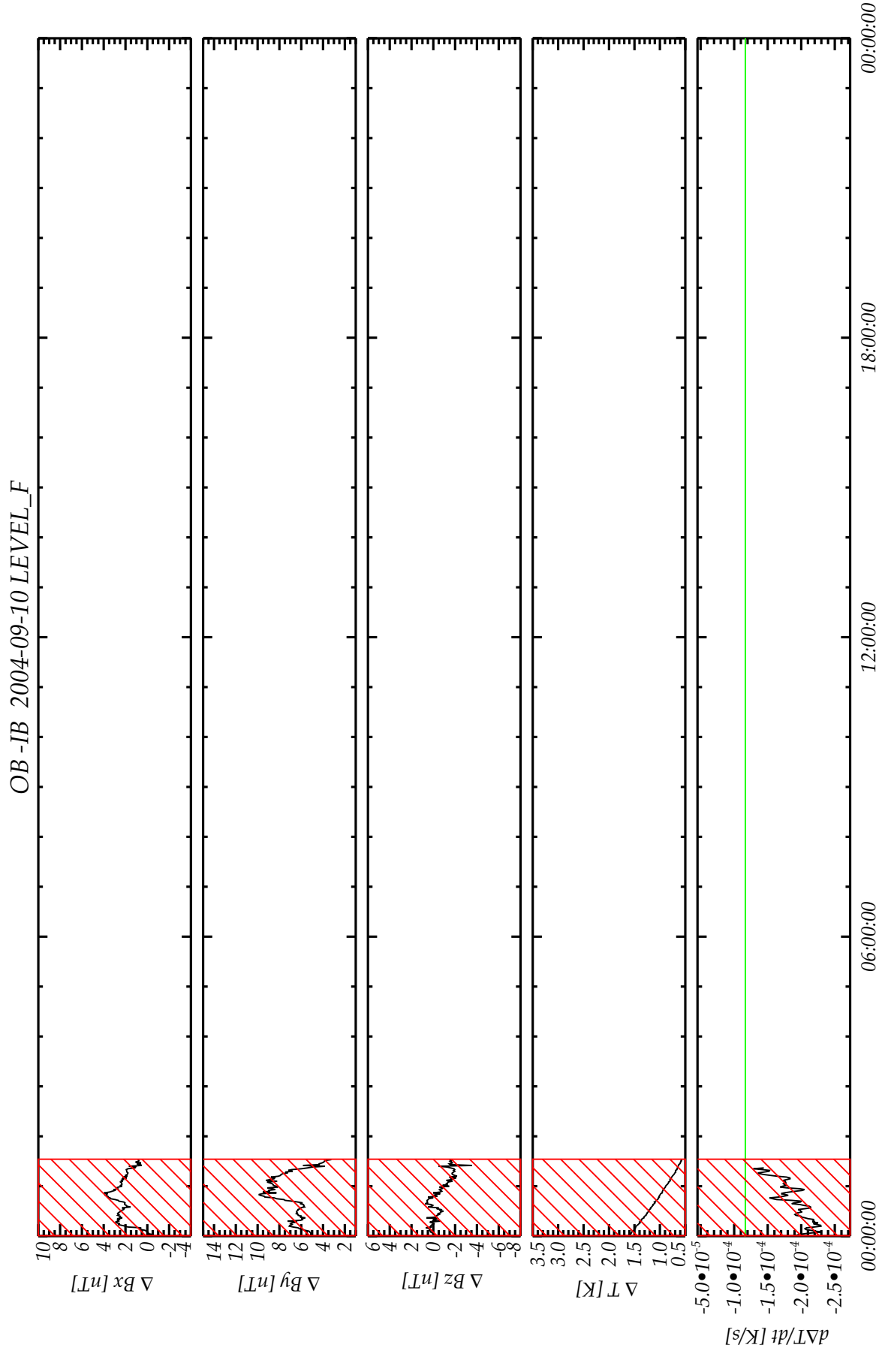

OB vs. IB 2004-09-08 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

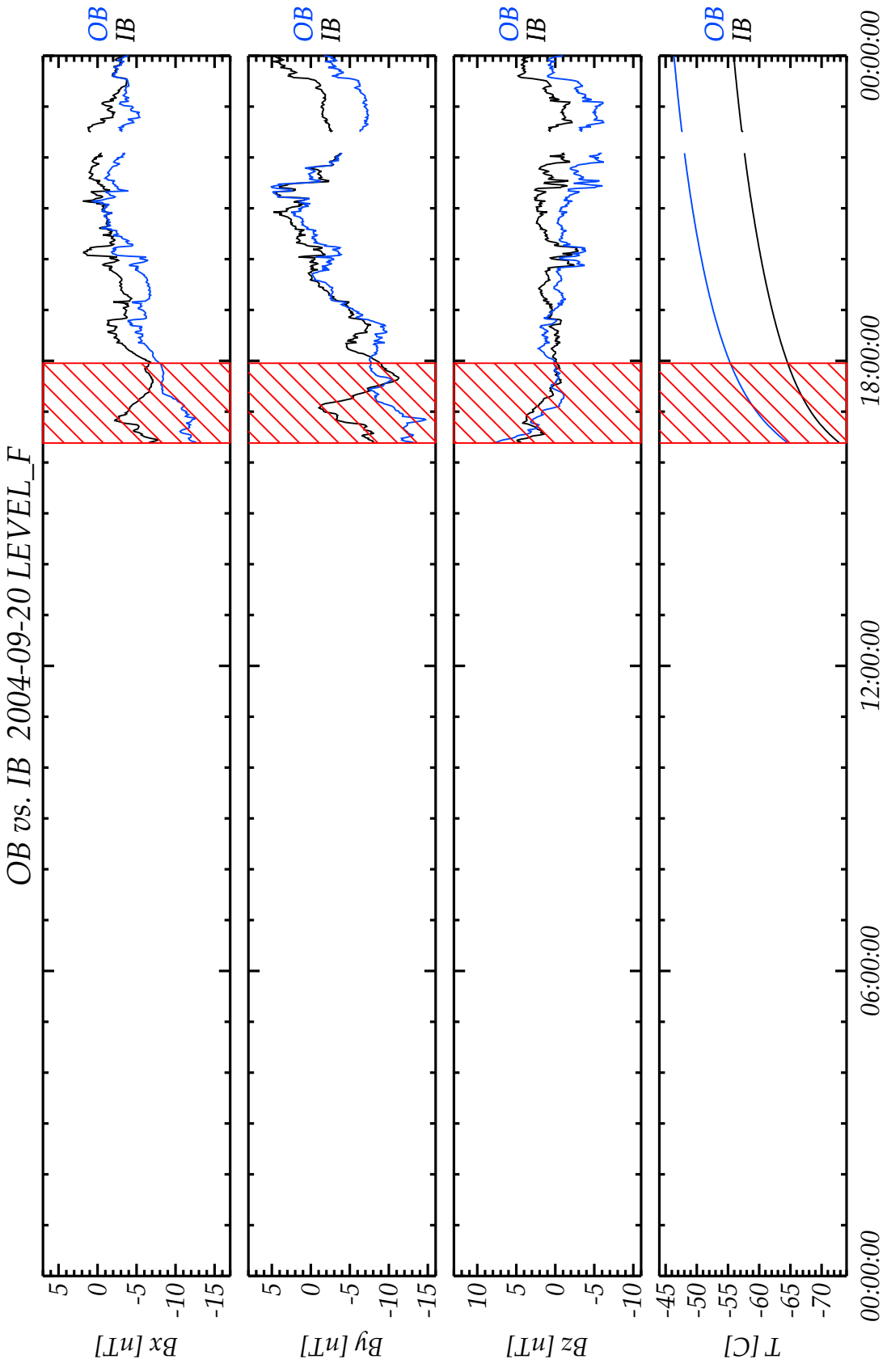

OB -IB 2004-09-08 LEVEL_F
00:00:00
18:00:00
12:00:00
06:00:00
00:00:00
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]

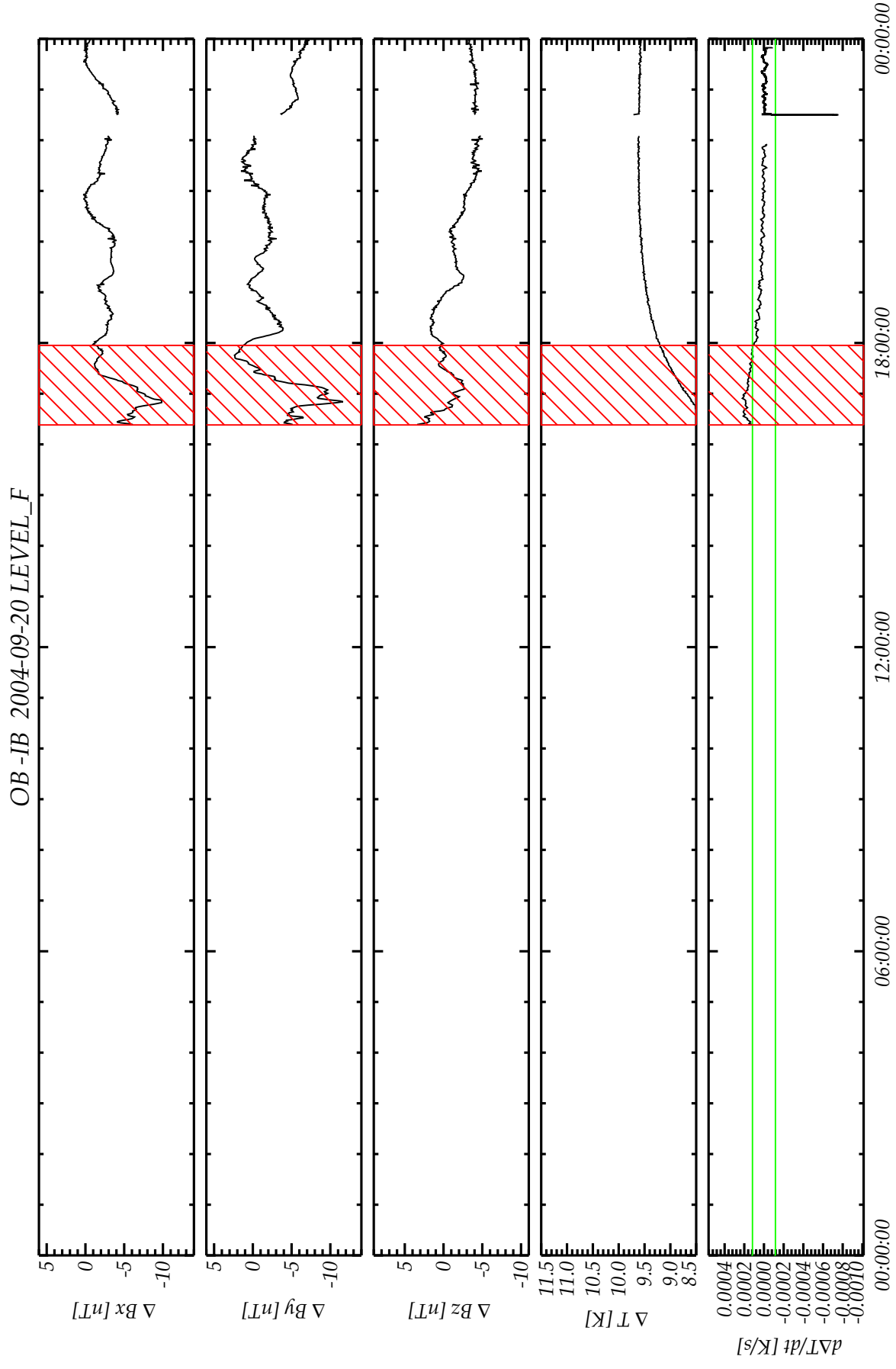

OB vs. IB 2004-09-09 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

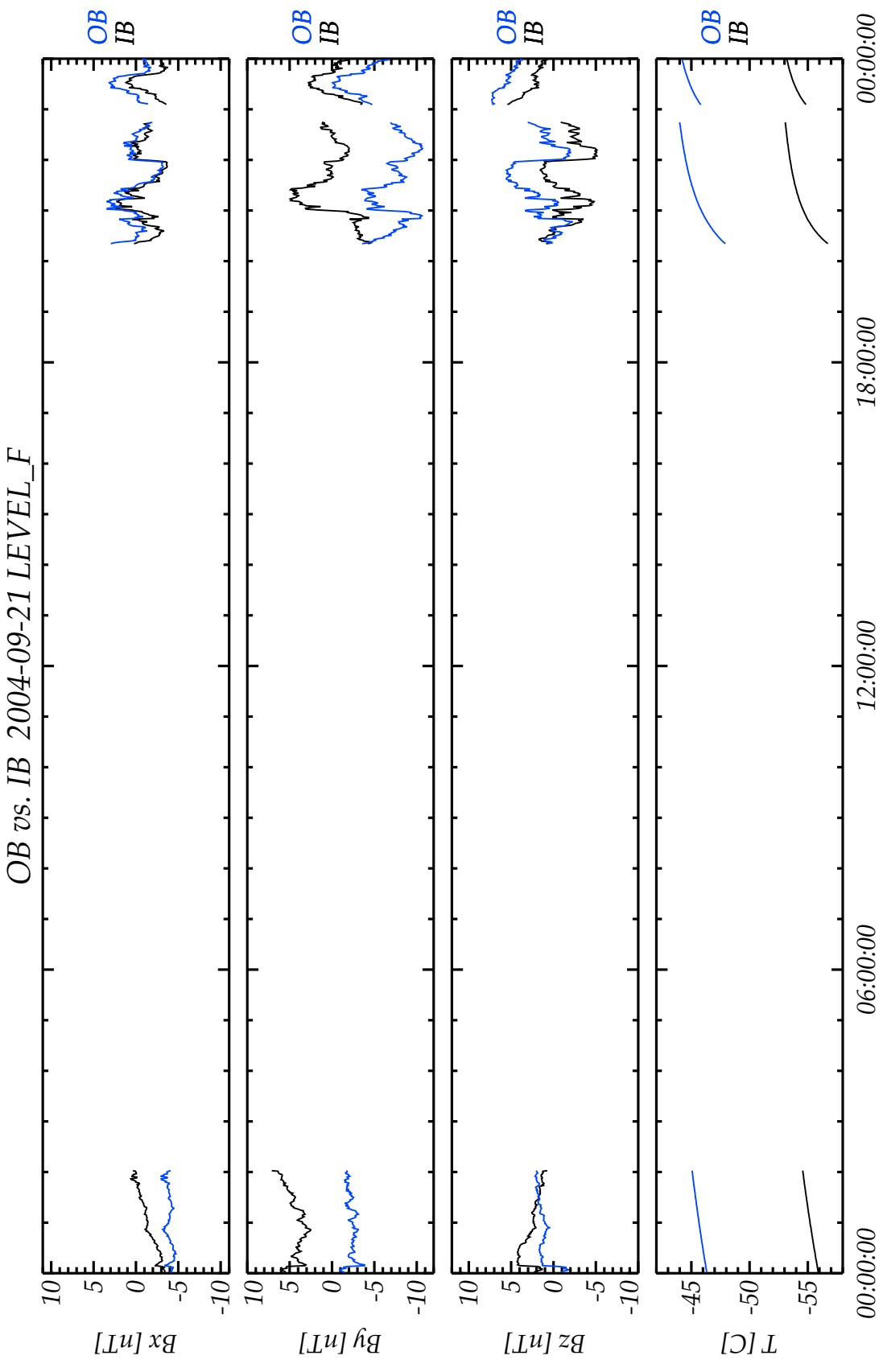

OB -IB 2004-09-09 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-09-10 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
10
5
0
-5
-10
-80
-82
-84
-86
-88
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-09-10 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-09-20 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
5
0
-5
-10
-15
10
-45
-50
-55
-60
-65
-70
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-09-20 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-09-21 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
10
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-5
-10
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-50
-55
00:00:00
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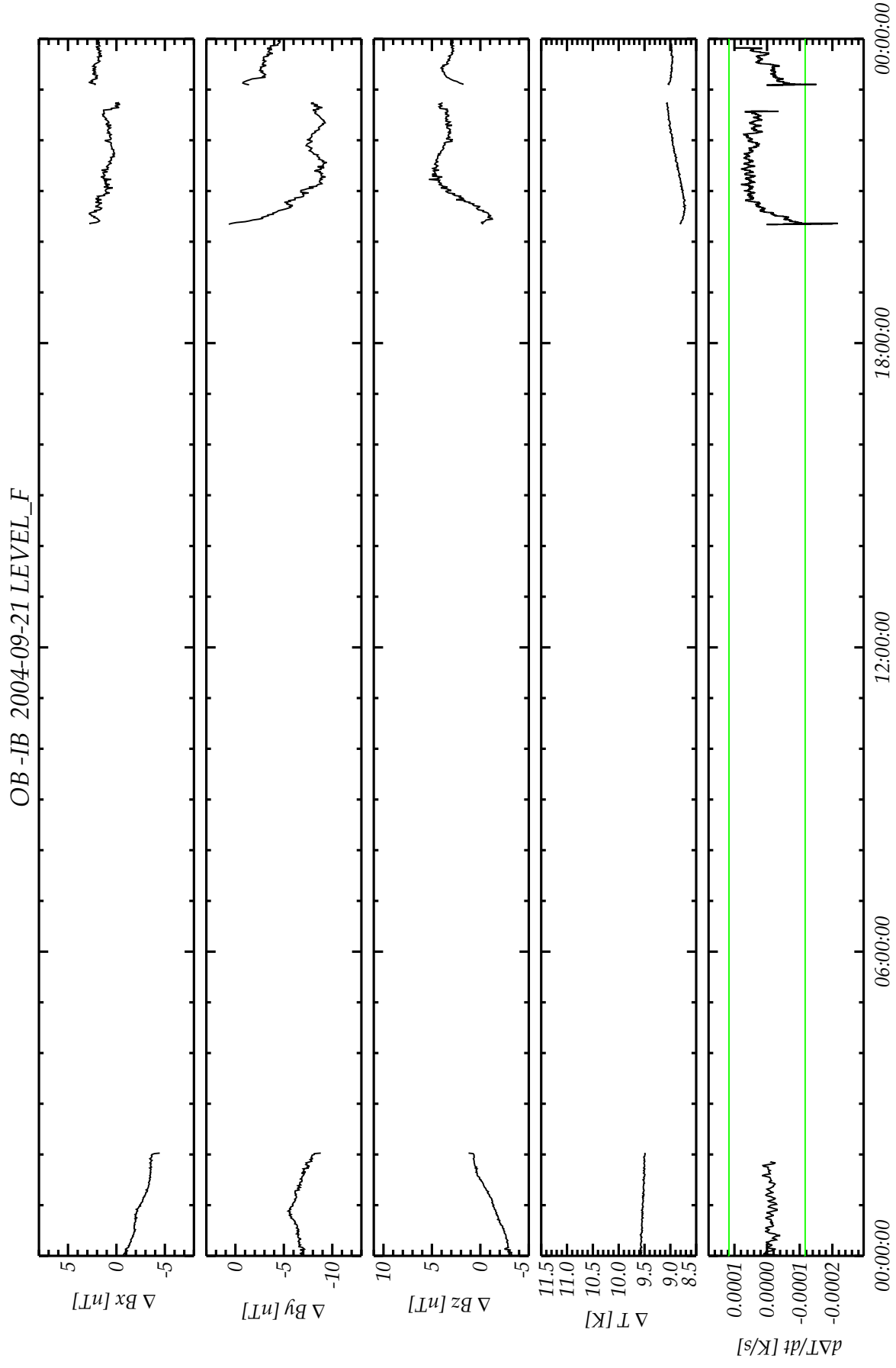
OB -IB 2004-09-21 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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12:00:00
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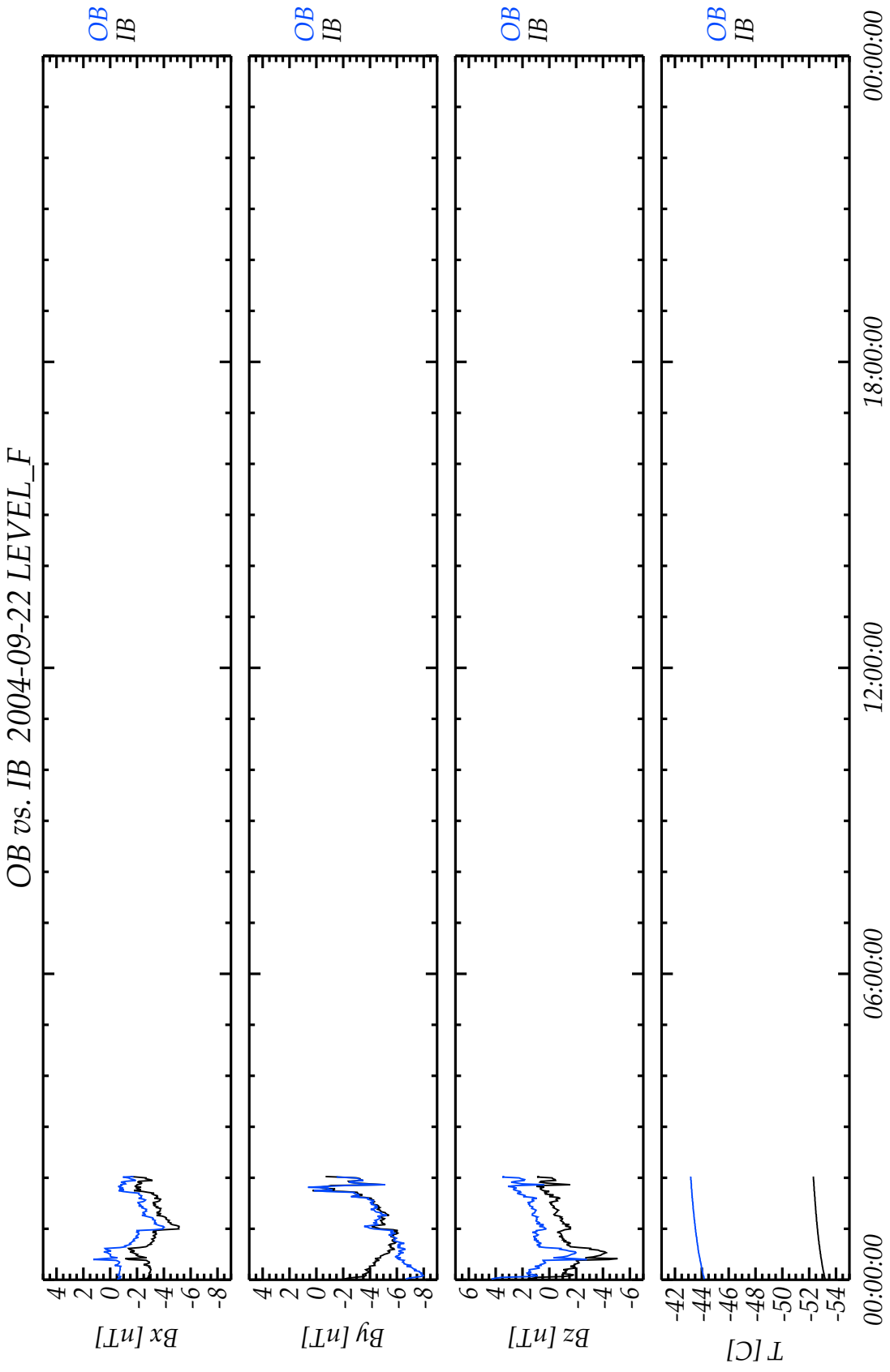
00:00:00


OB vs. IB 2004-09-22 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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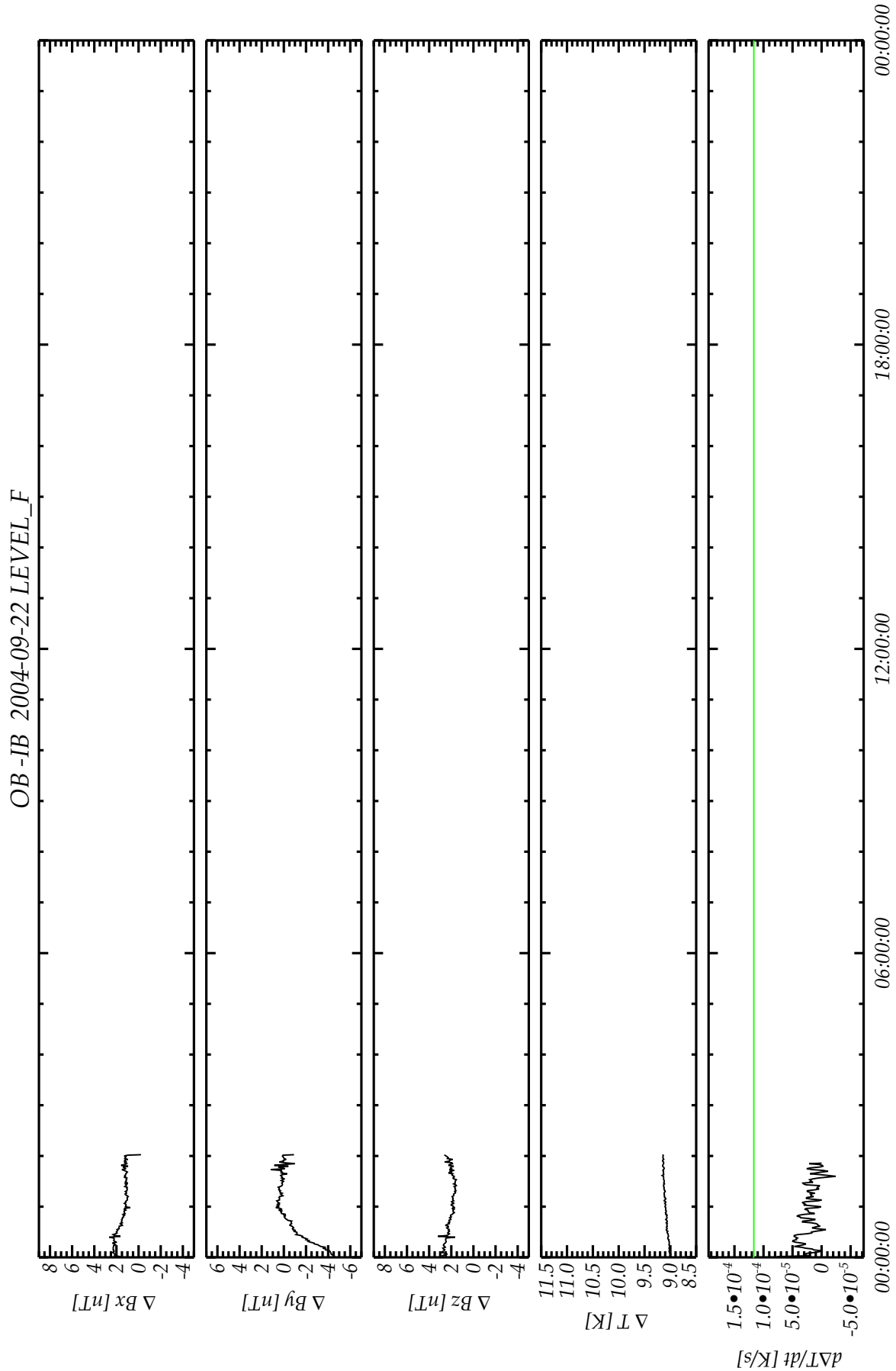
12:00:00
18:00:00
00:00:00


OB -IB 2004-09-22 LEVEL_F
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Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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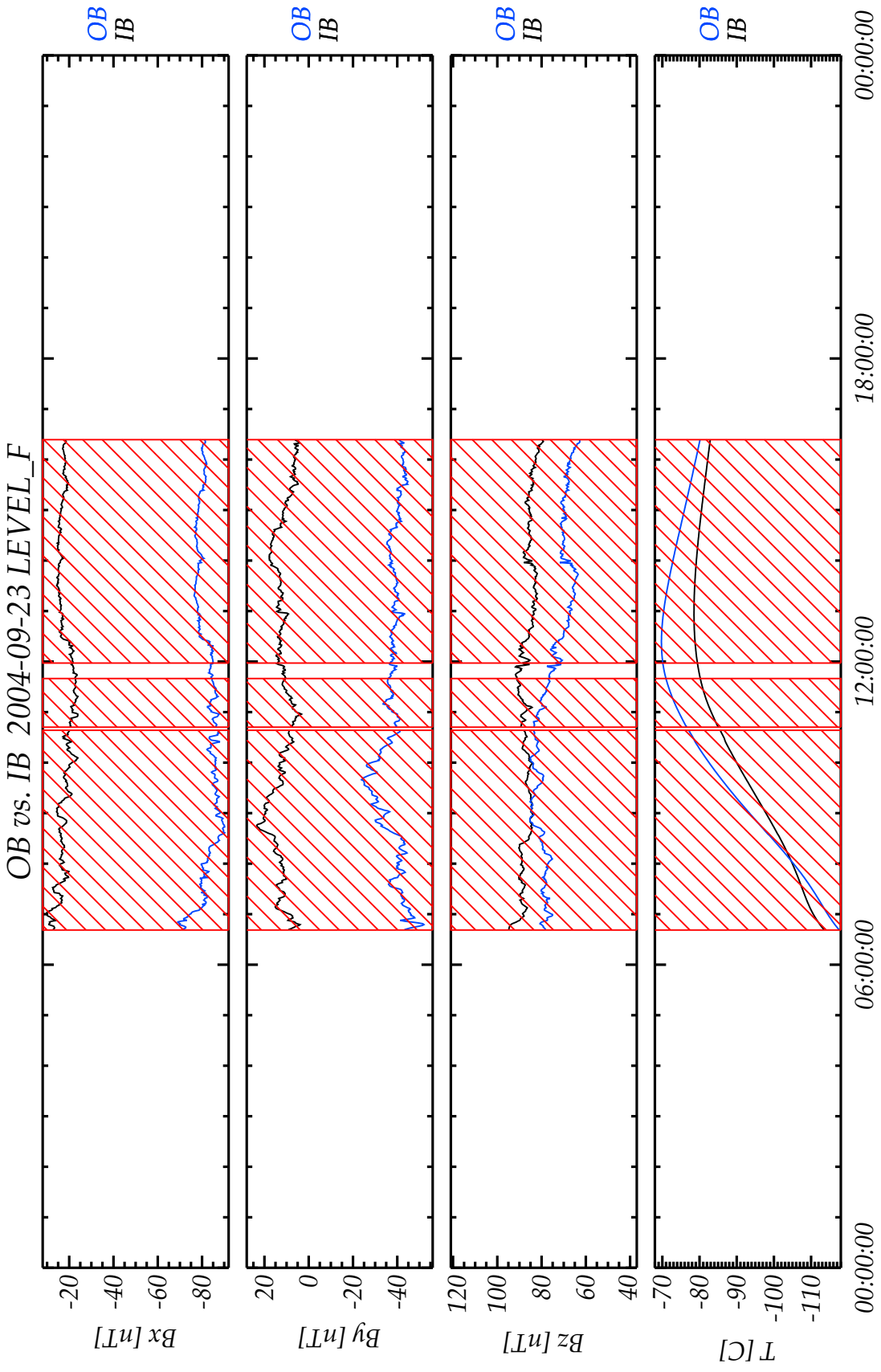
OB vs. IB 2004-09-23 LEVEL_F
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IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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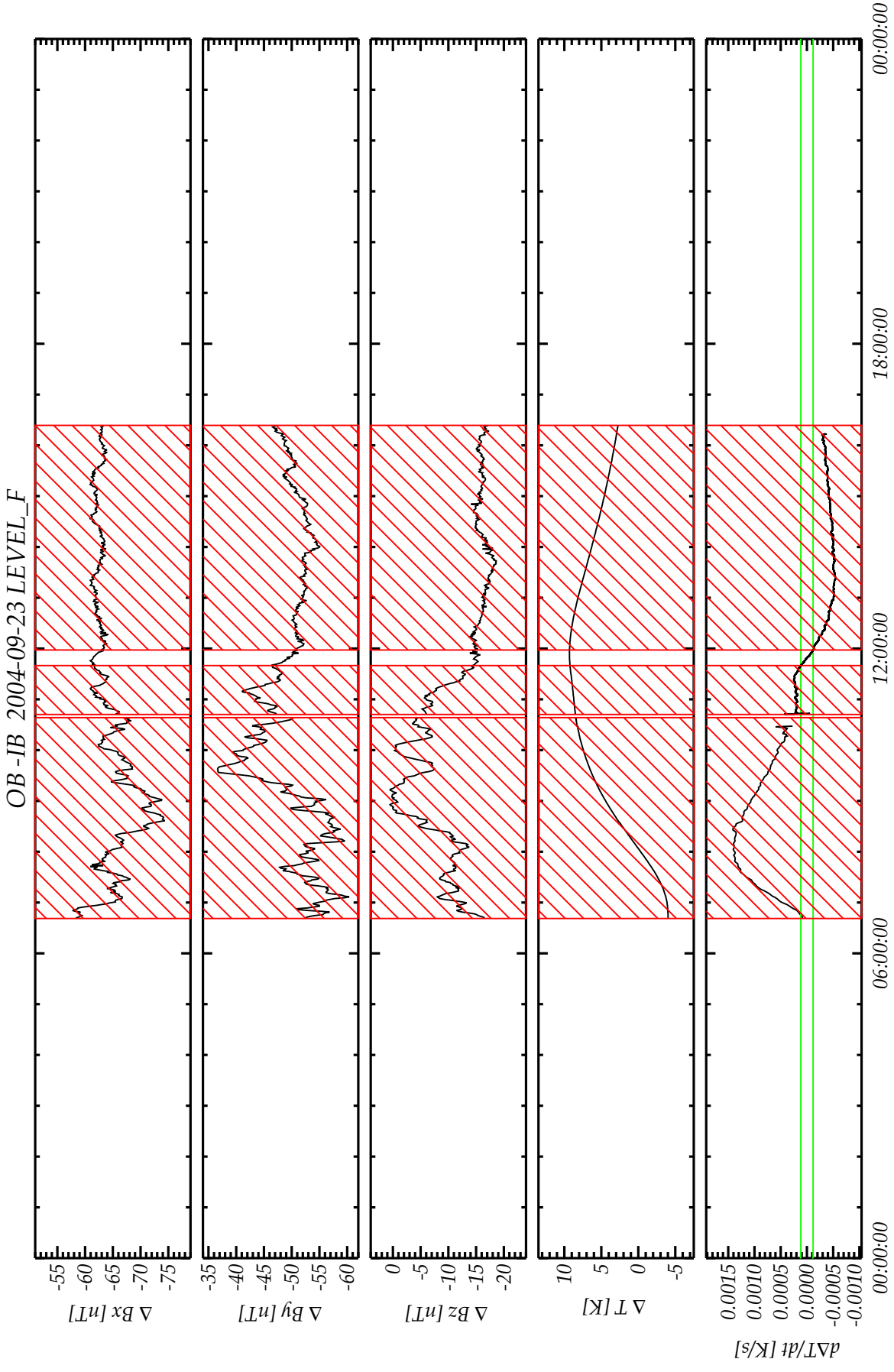
OB -IB 2004-09-23 LEVEL_F
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12:00:00
18:00:00
00:00:00
Δ Bx [nT]
-55
-60
-65
-70
-75
Δ By [nT]
-35
-40
-45
-50
-55
-60
Δ Bz [nT]
0
-5
-10
-15
-20
Δ T [K]
10
5
0
-5
dΔT/dt [K/s]
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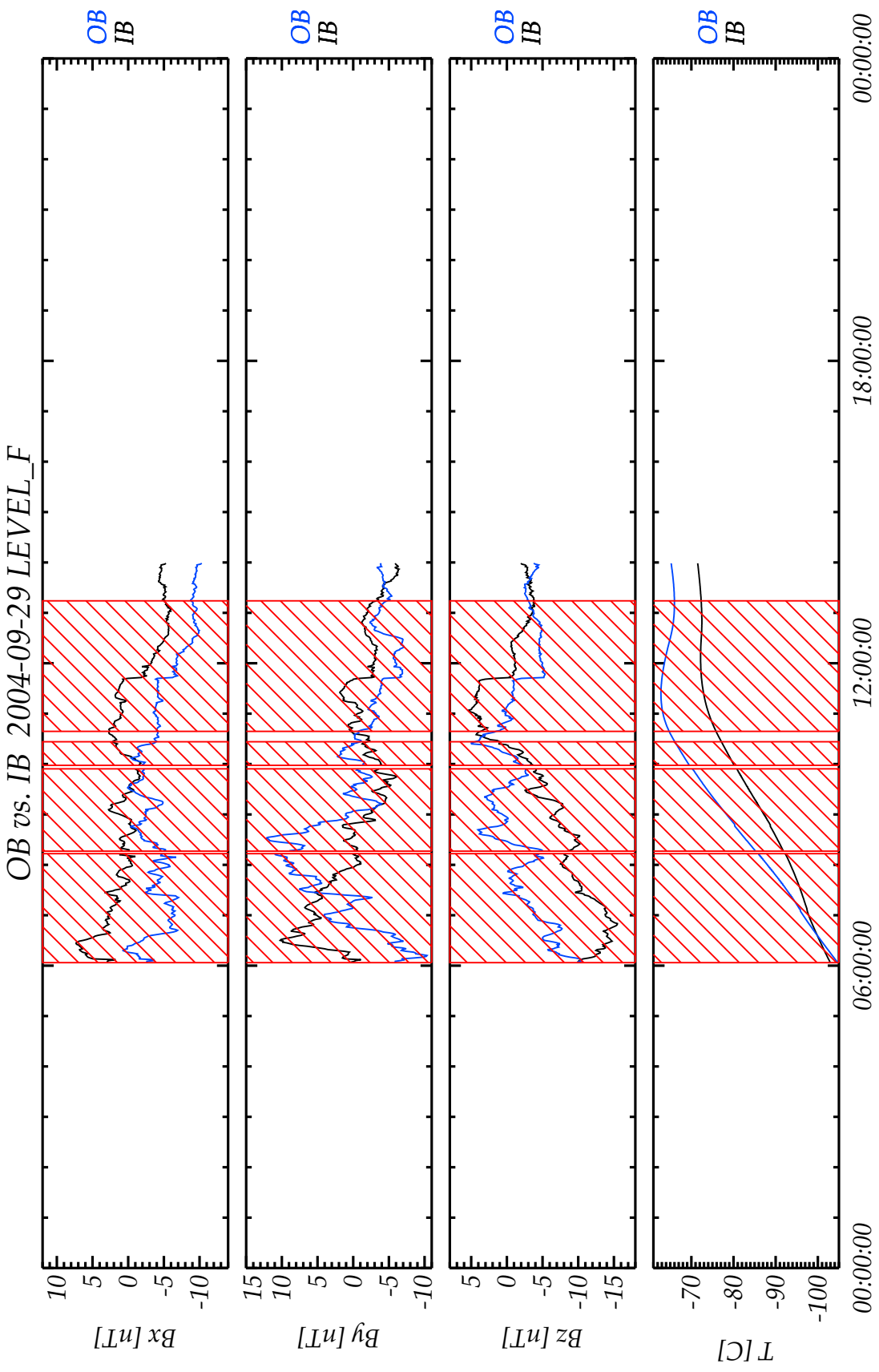
0.0010
0.0005
0.0000
-0.0005
-0.0010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OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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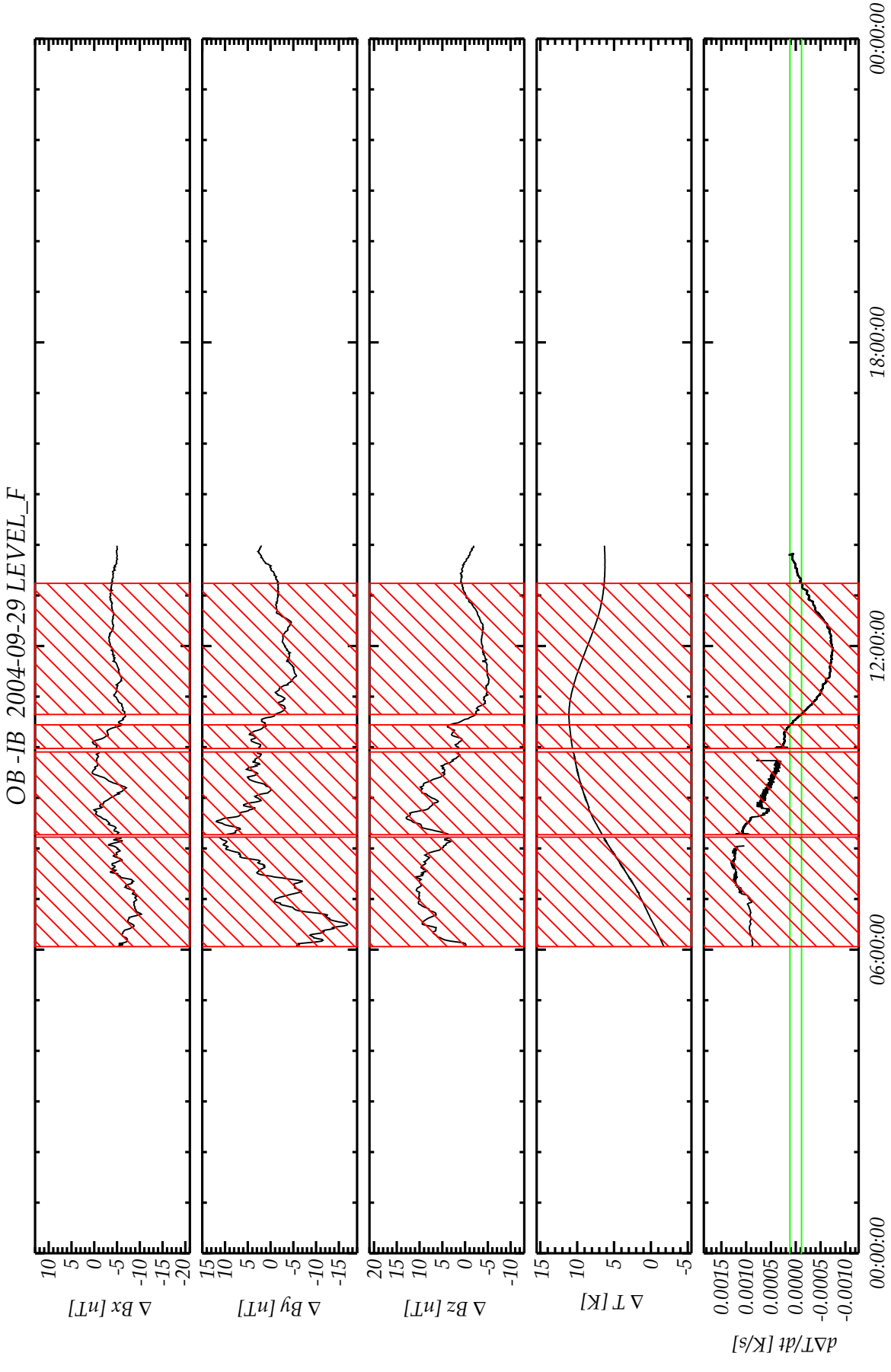
00:00:00


OB -IB 2004-09-29 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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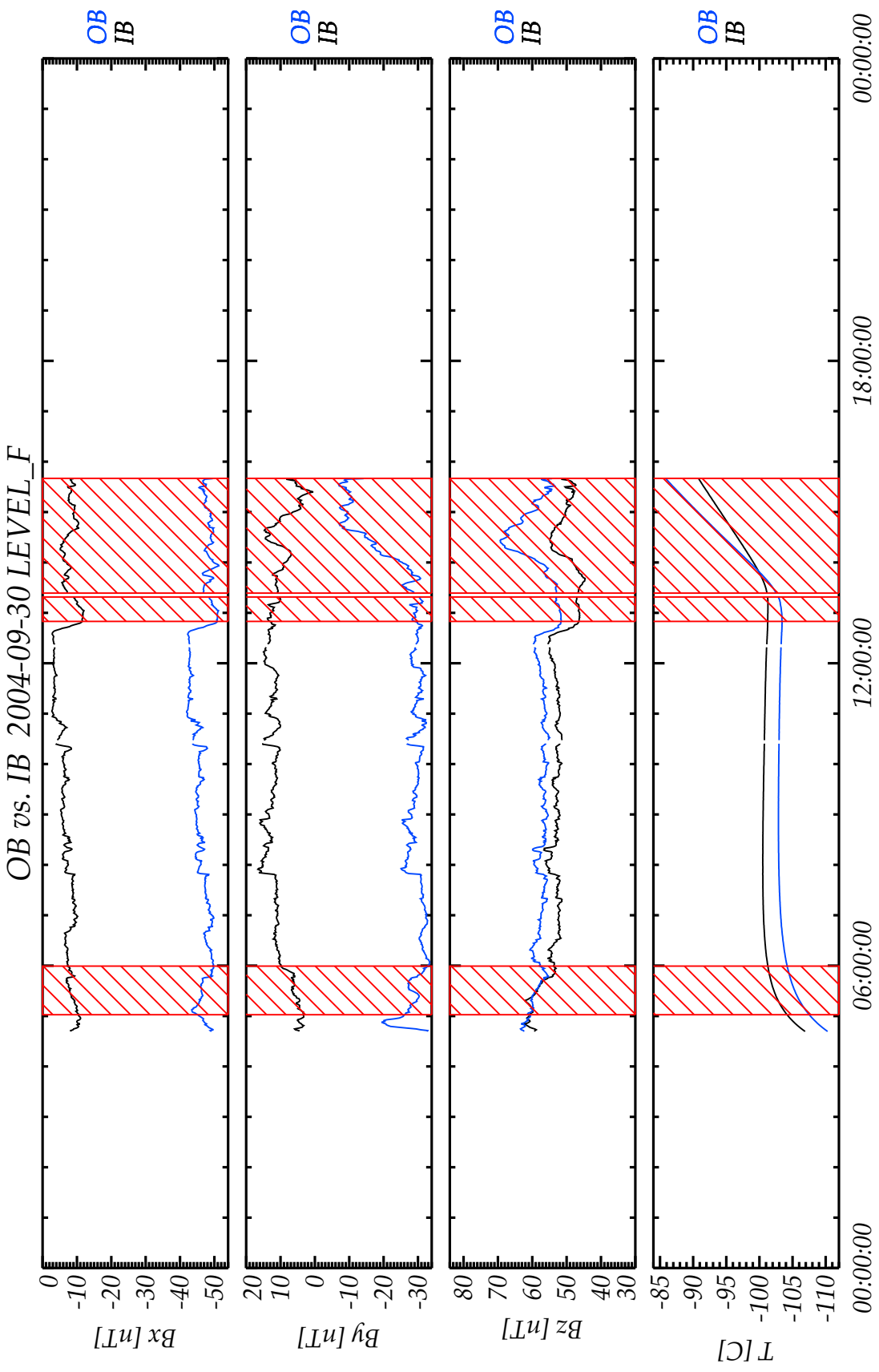
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-09-30 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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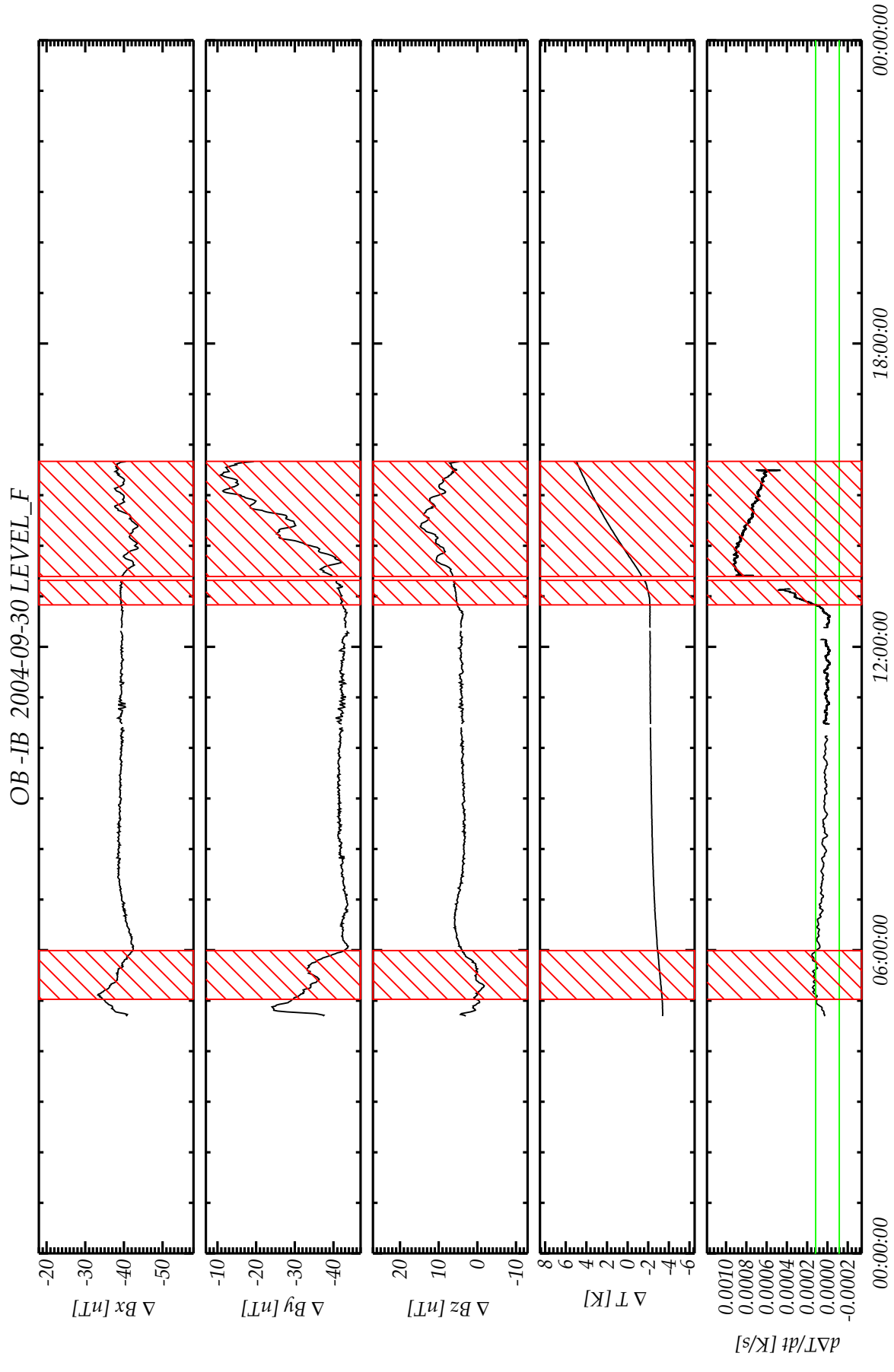
12:00:00
18:00:00
00:00:00


OB -IB 2004-09-30 LEVEL_F
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12:00:00
18:00:00
00:00:00
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]

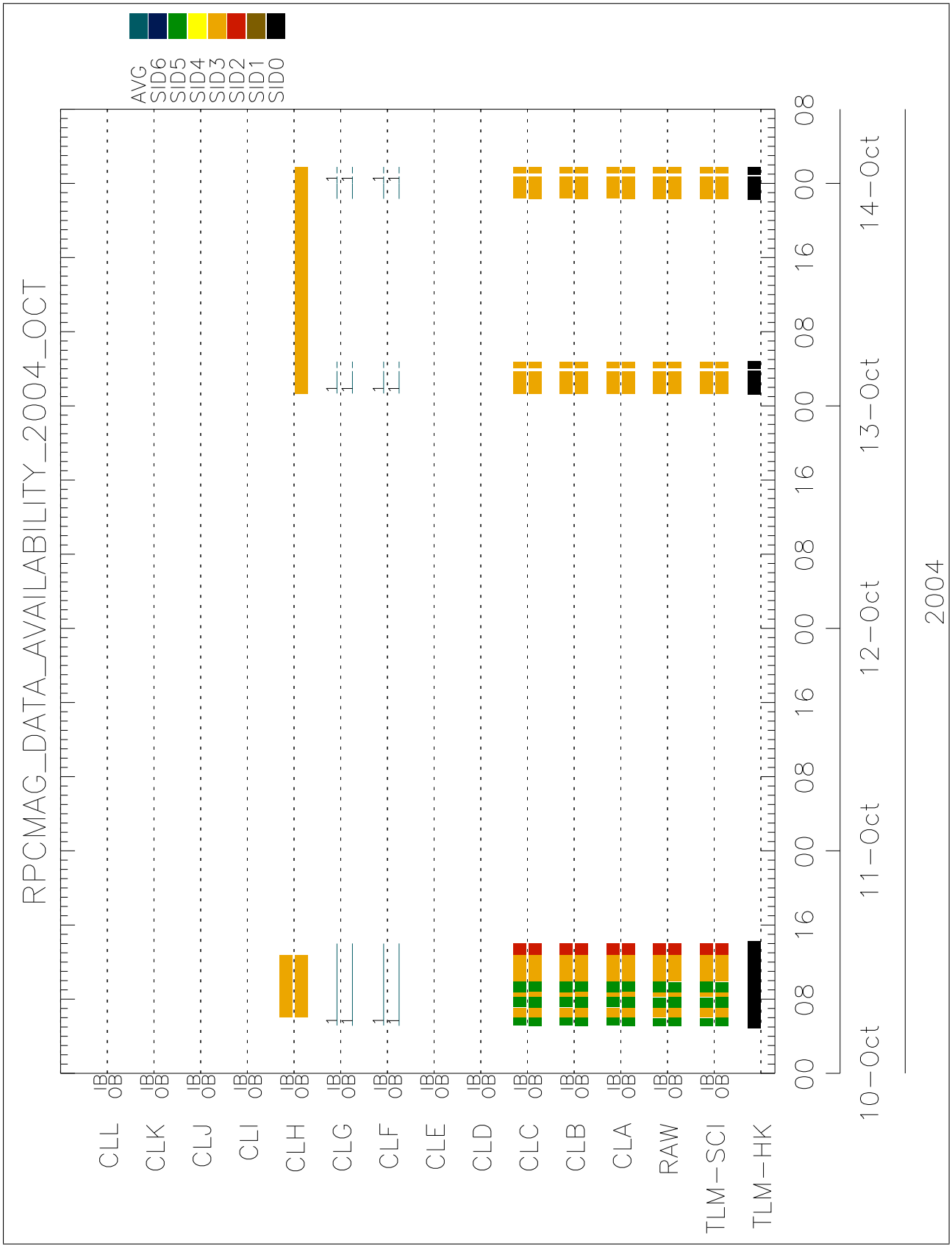
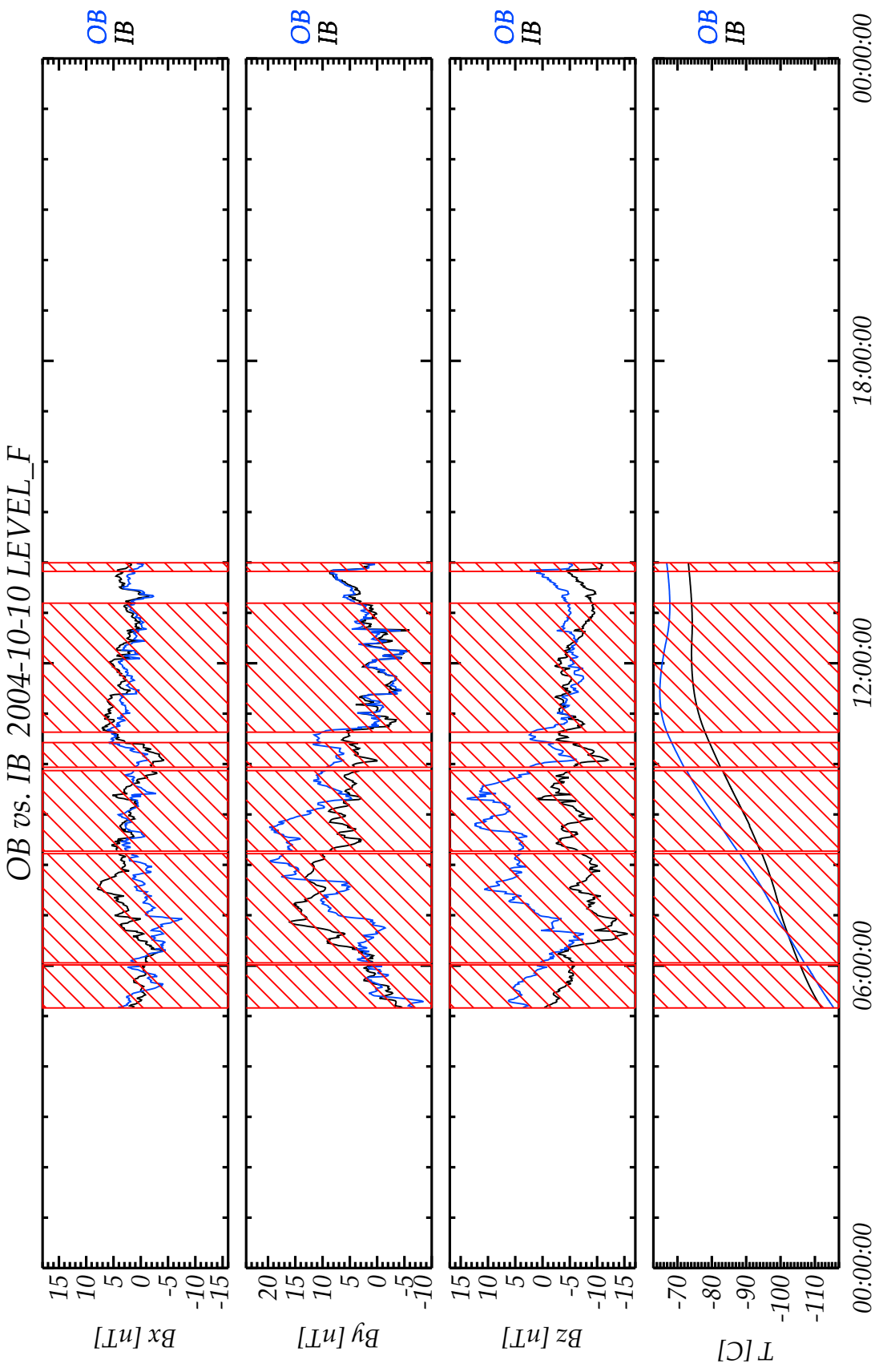
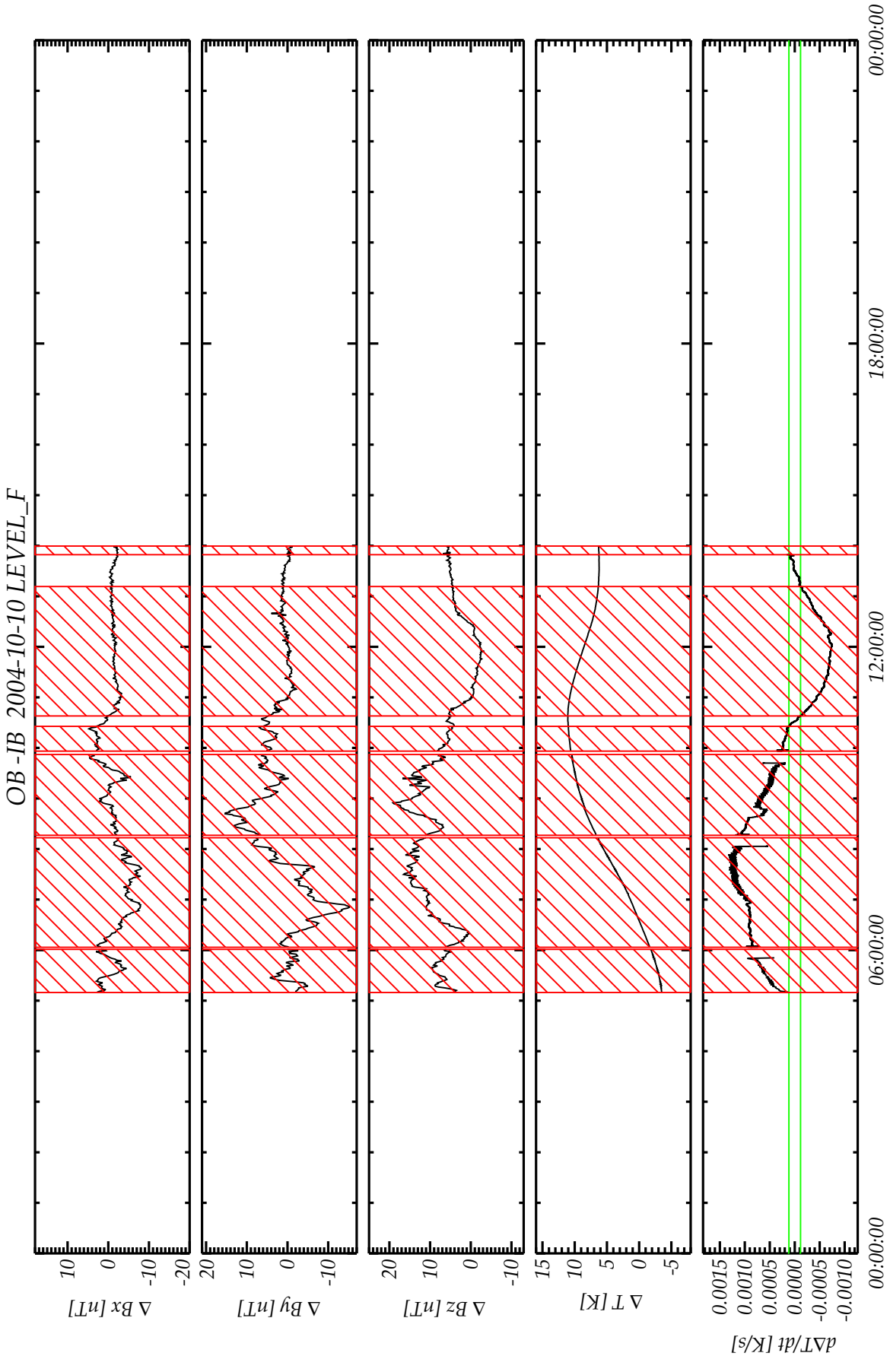
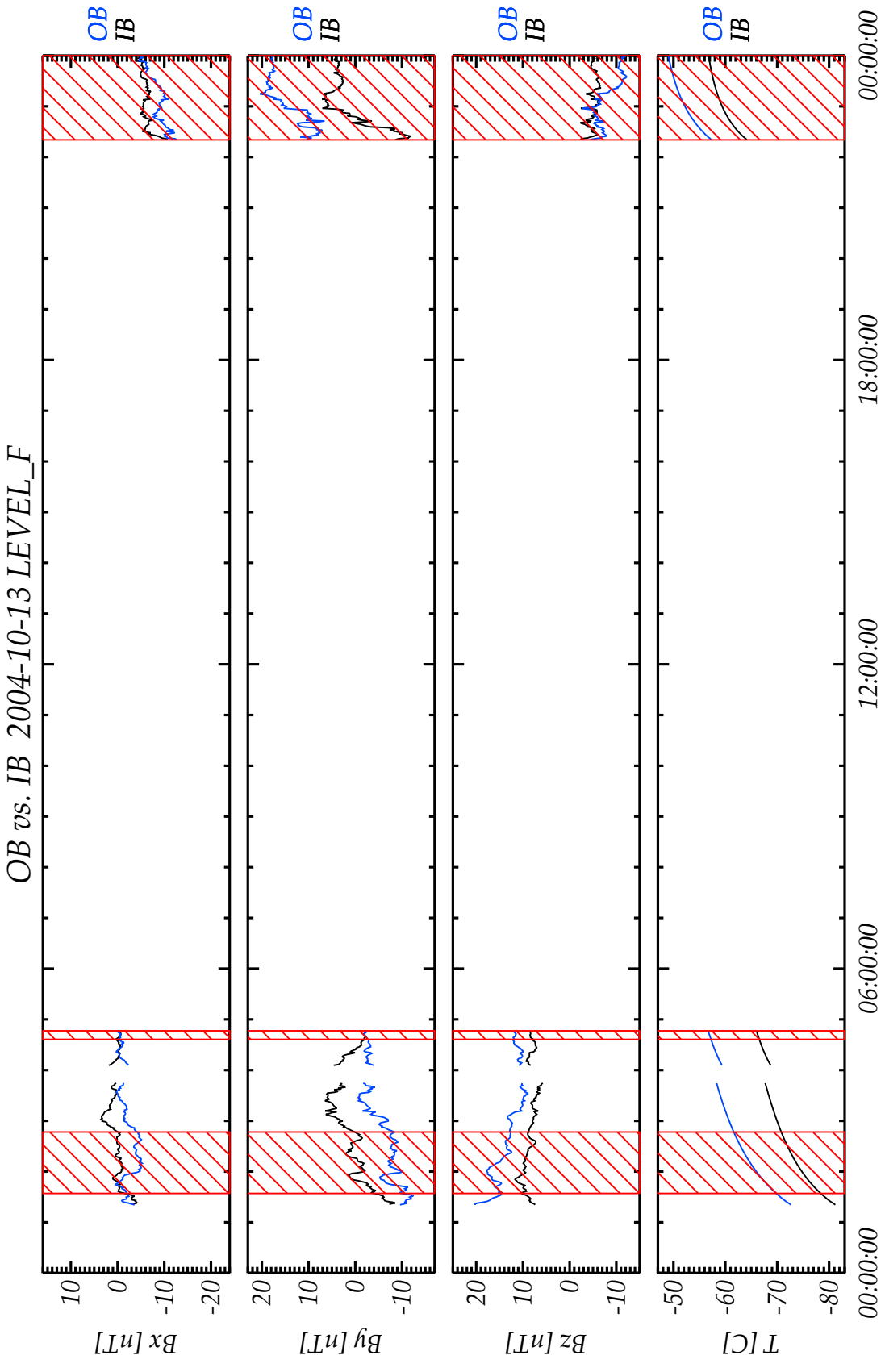


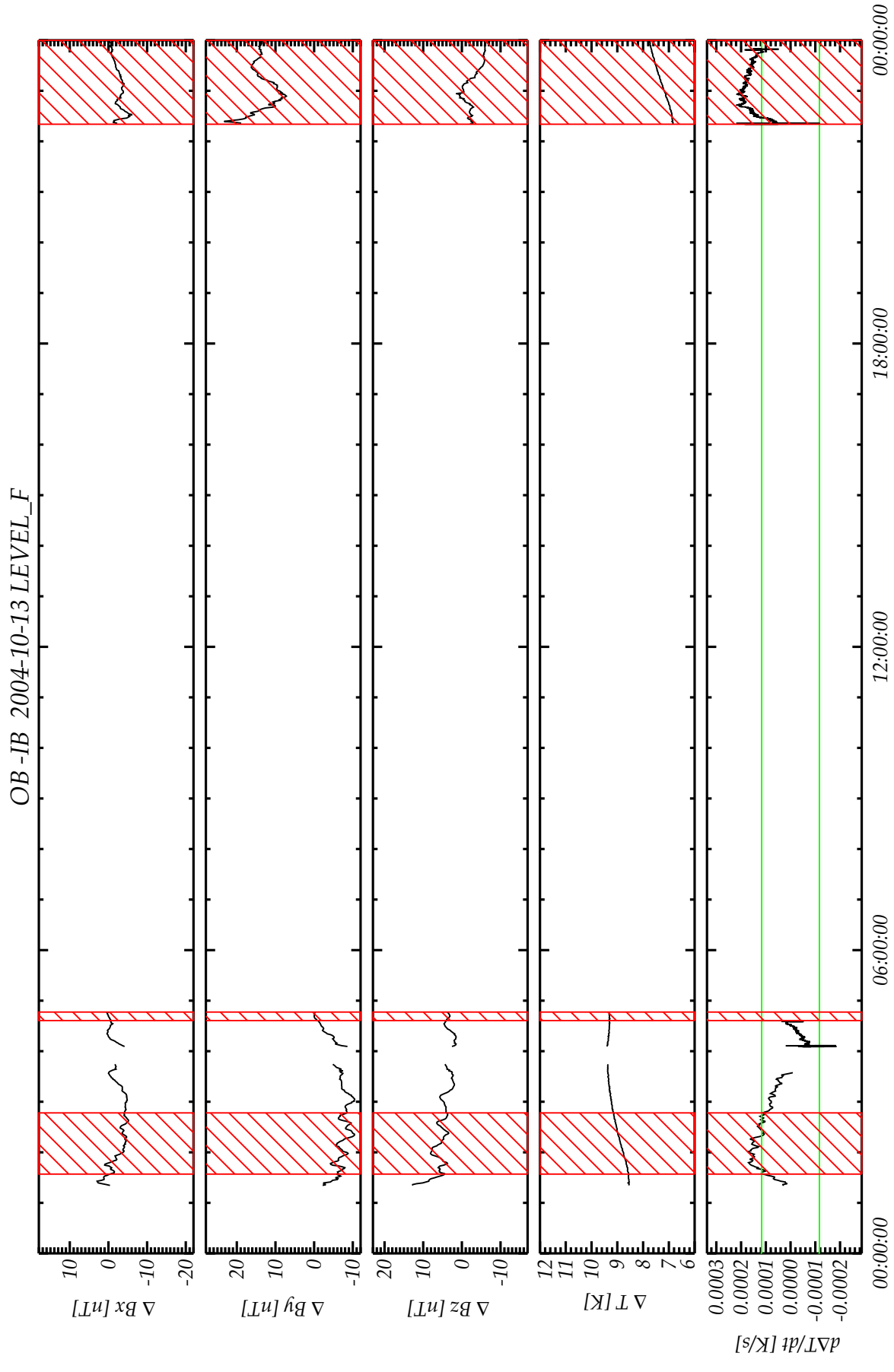
Figure 5: Overview October 2004

DATE	LEVEL	AVERAGE [s]	SENSOR
2004-10-10	CLG	1	OB
2004-10-10	CLF	1	OB
2004-10-10	CLF	1	IB
2004-10-10	CLG	1	IB
2004-10-13	CLG	1	OB
2004-10-13	CLF	1	OB
2004-10-13	CLF	1	IB
2004-10-13	CLG	1	IB
2004-10-14	CLF	1	OB
2004-10-14	CLG	1	OB
2004-10-14	CLG	1	IB
2004-10-14	CLF	1	IB


OB vs. IB 2004-10-10 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-10-10 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2004-10-13 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2004-10-13 LEVEL_F
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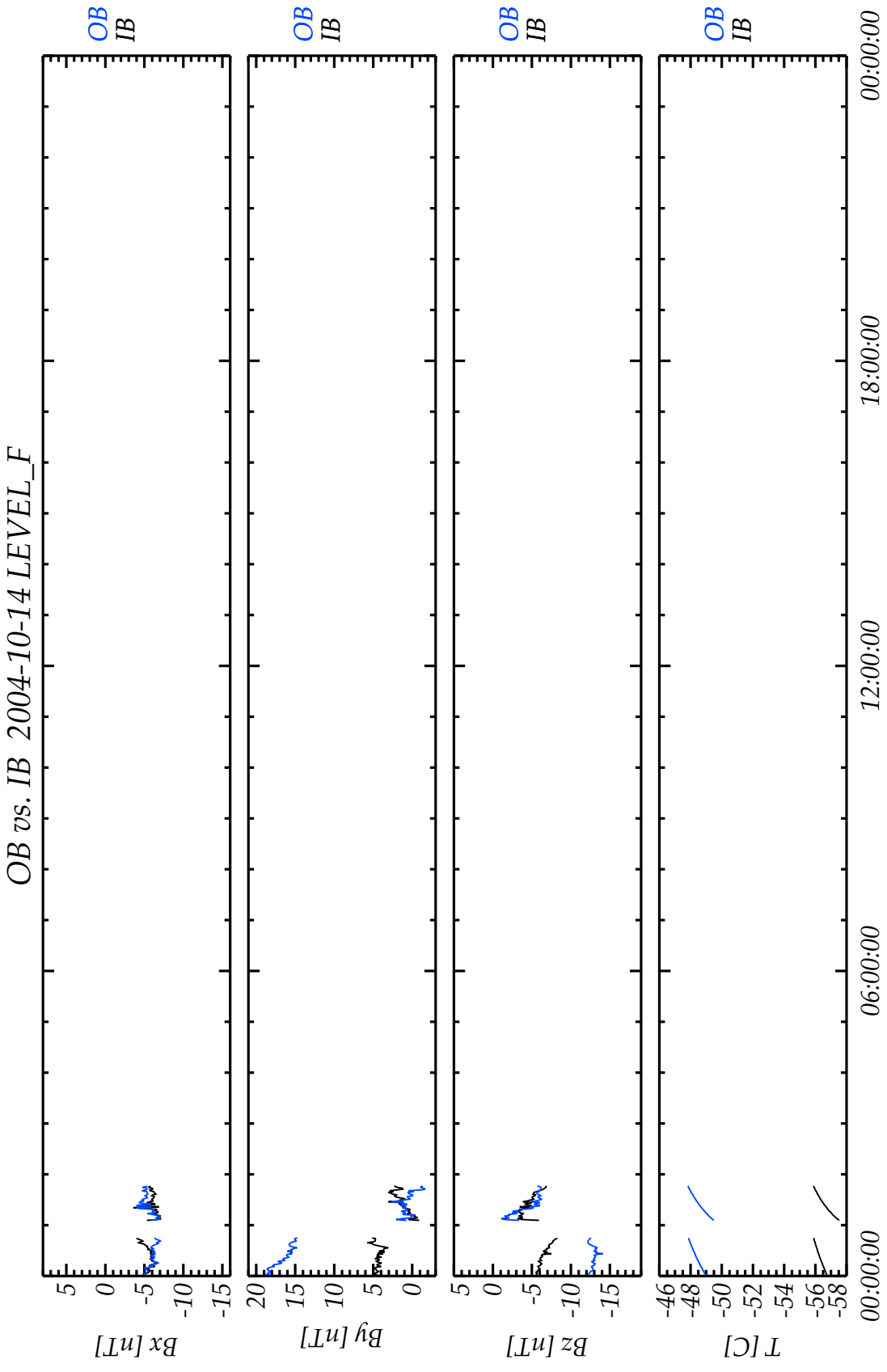
06:00:00
12:00:00
18:00:00
00:00:00
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]


OB vs. IB 2004-10-14 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
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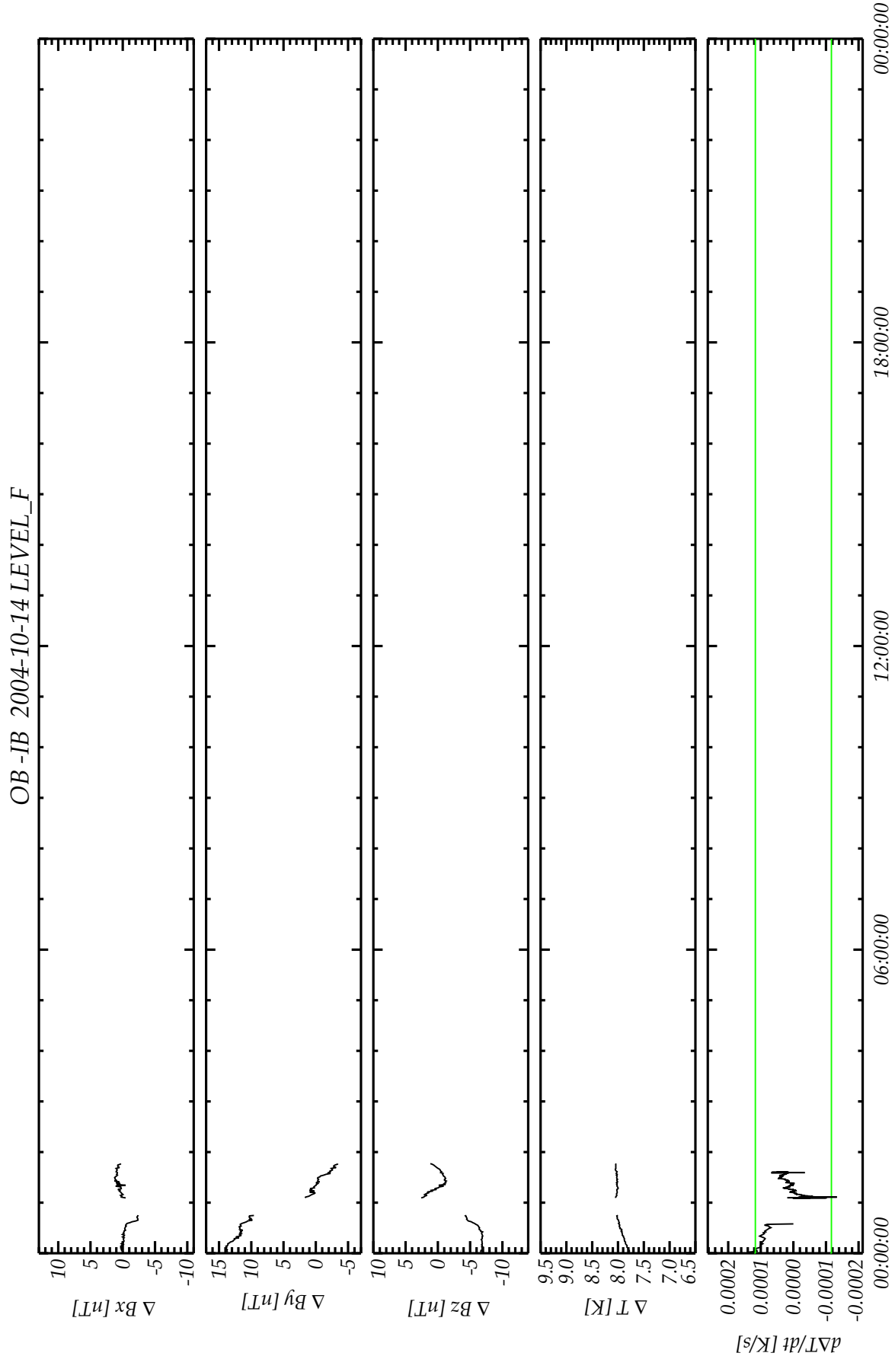
12:00:00
18:00:00
00:00:00


OB -IB 2004-10-14 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

3 2005

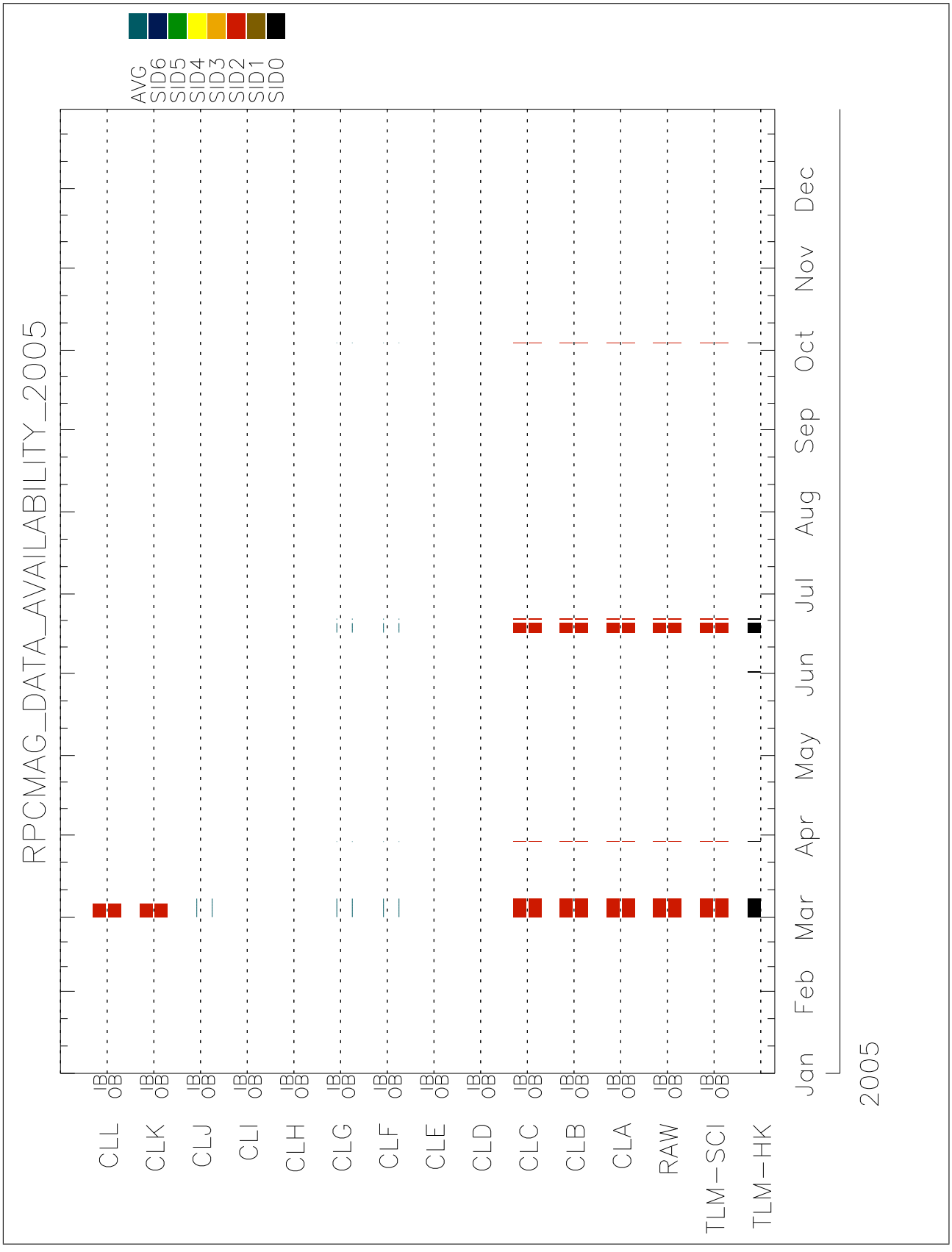


Figure 6: Overview 2005

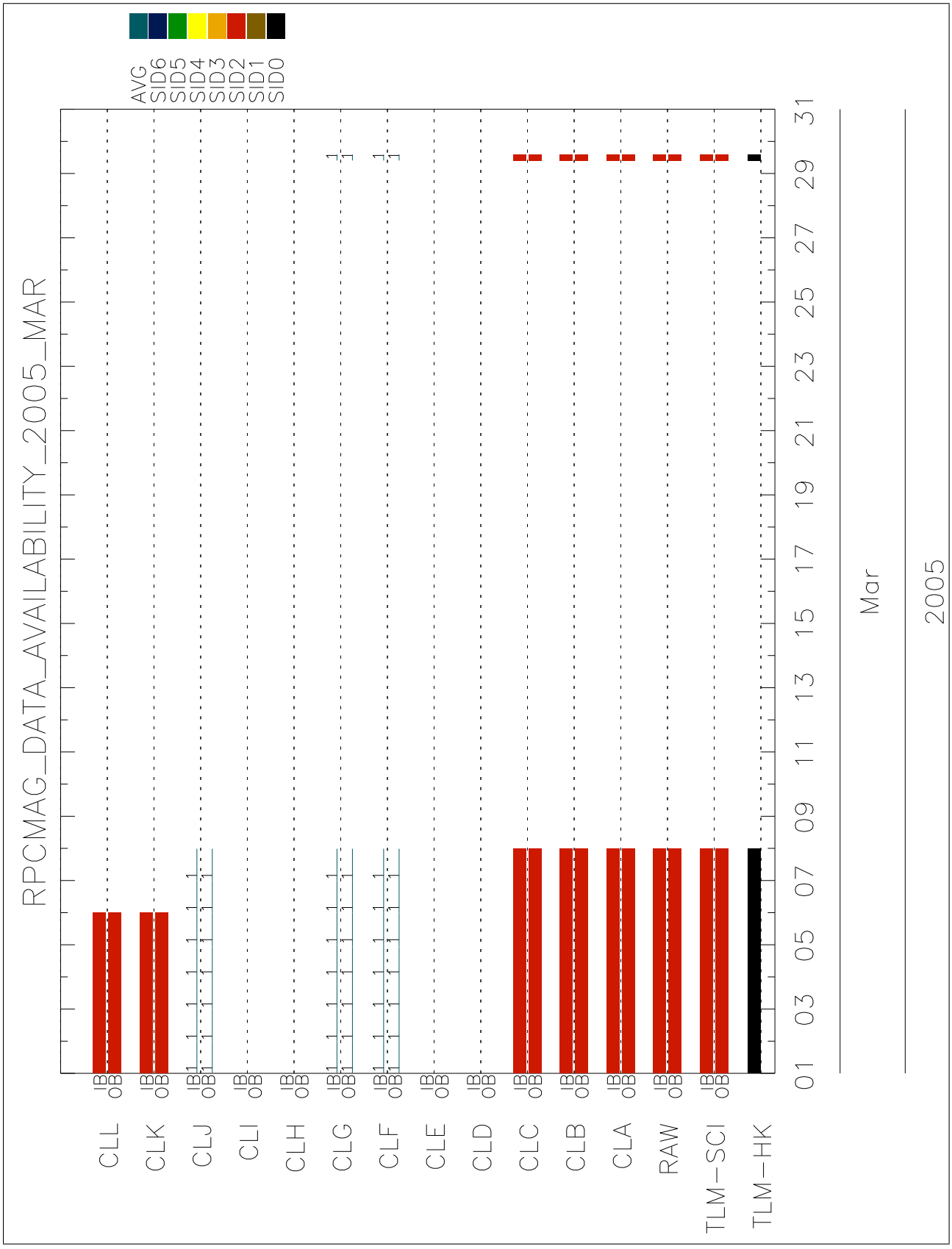
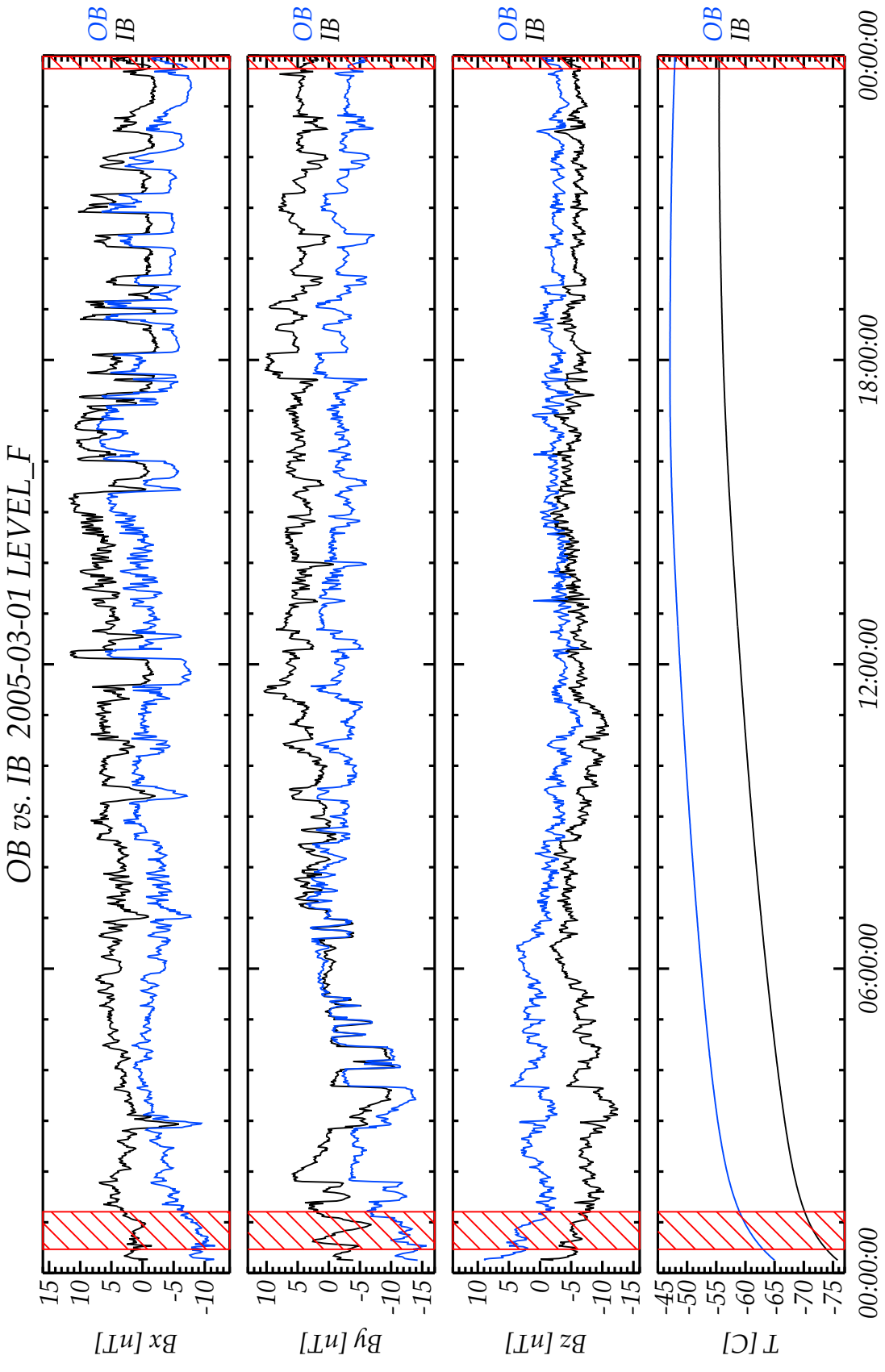


Figure 7: Overview March 2005

DATE	LEVEL	AVERAGE [s]	SENSOR
2005-03-01	CLG	1	IB
2005-03-01	CLF	1	IB
2005-03-01	CLF	1	OB
2005-03-01	CLG	1	OB
2005-03-01	CLJ	1	IB
2005-03-01	CLJ	1	OB
2005-03-02	CLF	1	OB
2005-03-02	CLG	1	OB
2005-03-02	CLG	1	IB
2005-03-02	CLF	1	IB
2005-03-02	CLJ	1	IB
2005-03-02	CLJ	1	OB
2005-03-03	CLF	1	OB
2005-03-03	CLG	1	OB
2005-03-03	CLF	1	IB
2005-03-03	CLG	1	IB
2005-03-03	CLJ	1	IB
2005-03-03	CLJ	1	OB
2005-03-04	CLF	1	OB
2005-03-04	CLG	1	OB
2005-03-04	CLJ	1	IB
2005-03-04	CLJ	1	OB
2005-03-04	CLG	1	IB
2005-03-04	CLF	1	IB
2005-03-05	CLF	1	OB
2005-03-05	CLG	1	OB
2005-03-05	CLG	1	IB
2005-03-05	CLF	1	IB
2005-03-05	CLJ	1	OB
2005-03-05	CLJ	1	IB
2005-03-06	CLG	1	OB
2005-03-06	CLF	1	OB
2005-03-06	CLG	1	IB
2005-03-06	CLF	1	IB
2005-03-06	CLJ	1	OB
2005-03-06	CLJ	1	IB
2005-03-07	CLF	1	OB
2005-03-07	CLG	1	OB
2005-03-07	CLG	1	IB
2005-03-07	CLF	1	IB
2005-03-07	CLJ	1	OB
2005-03-07	CLJ	1	IB
2005-03-29	CLG	1	OB
2005-03-29	CLF	1	OB
2005-03-29	CLG	1	IB

DATE	LEVEL	AVERAGE [s]	SENSOR
2005-03-29	CLF	1	IB


OB vs. IB 2005-03-01 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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12:00:00
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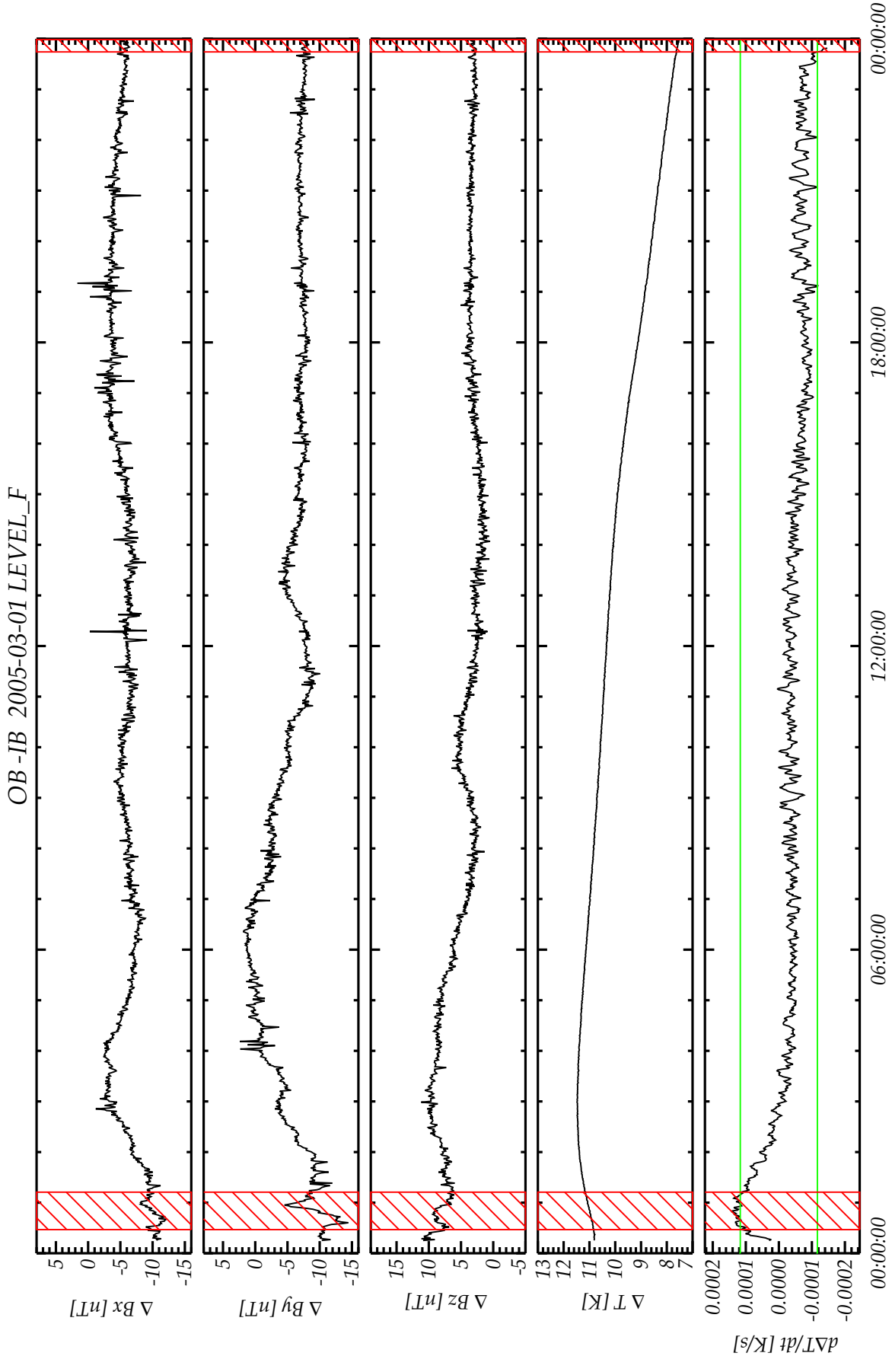
00:00:00


OB -IB 2005-03-01 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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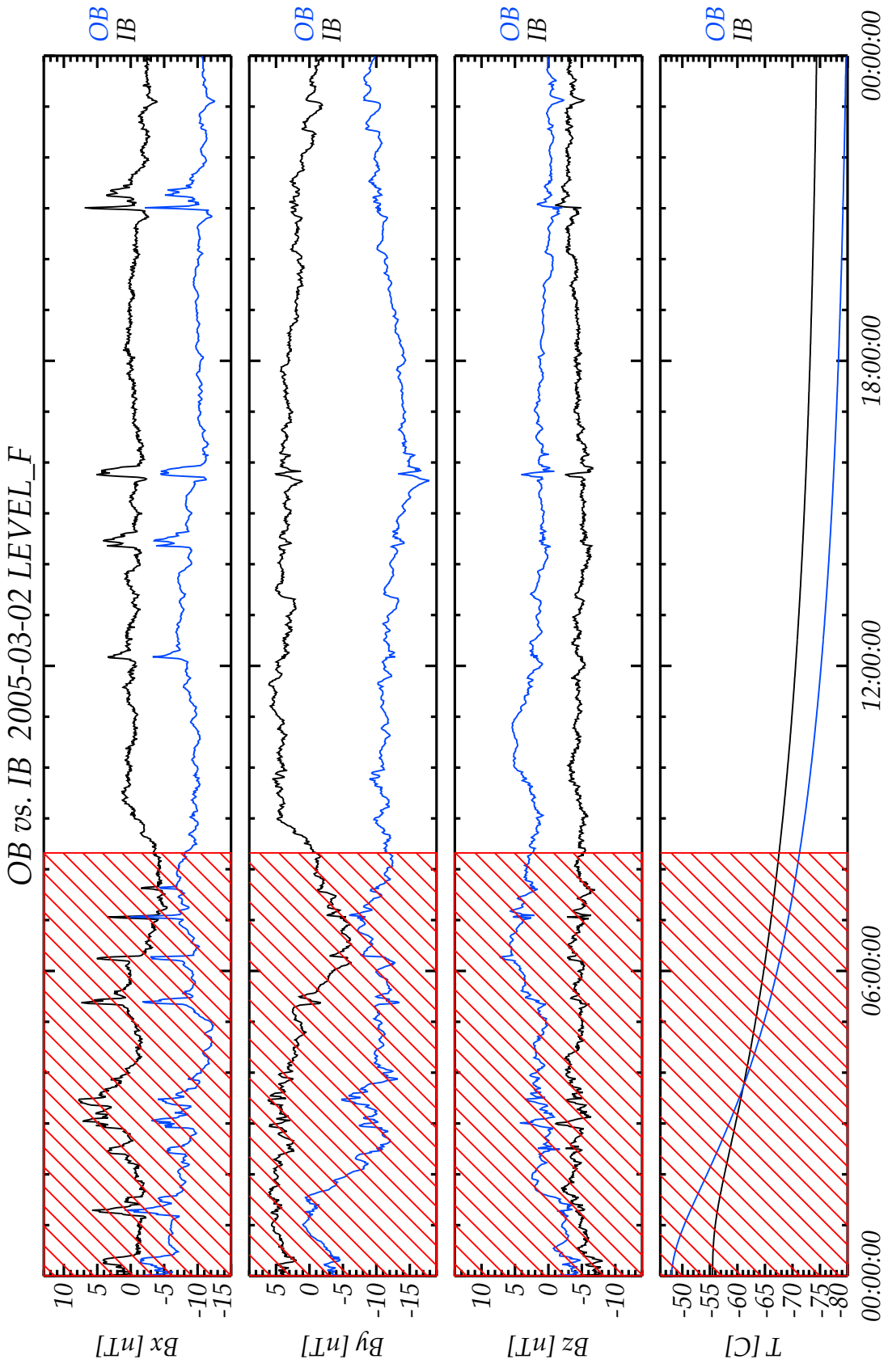
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2005-03-02 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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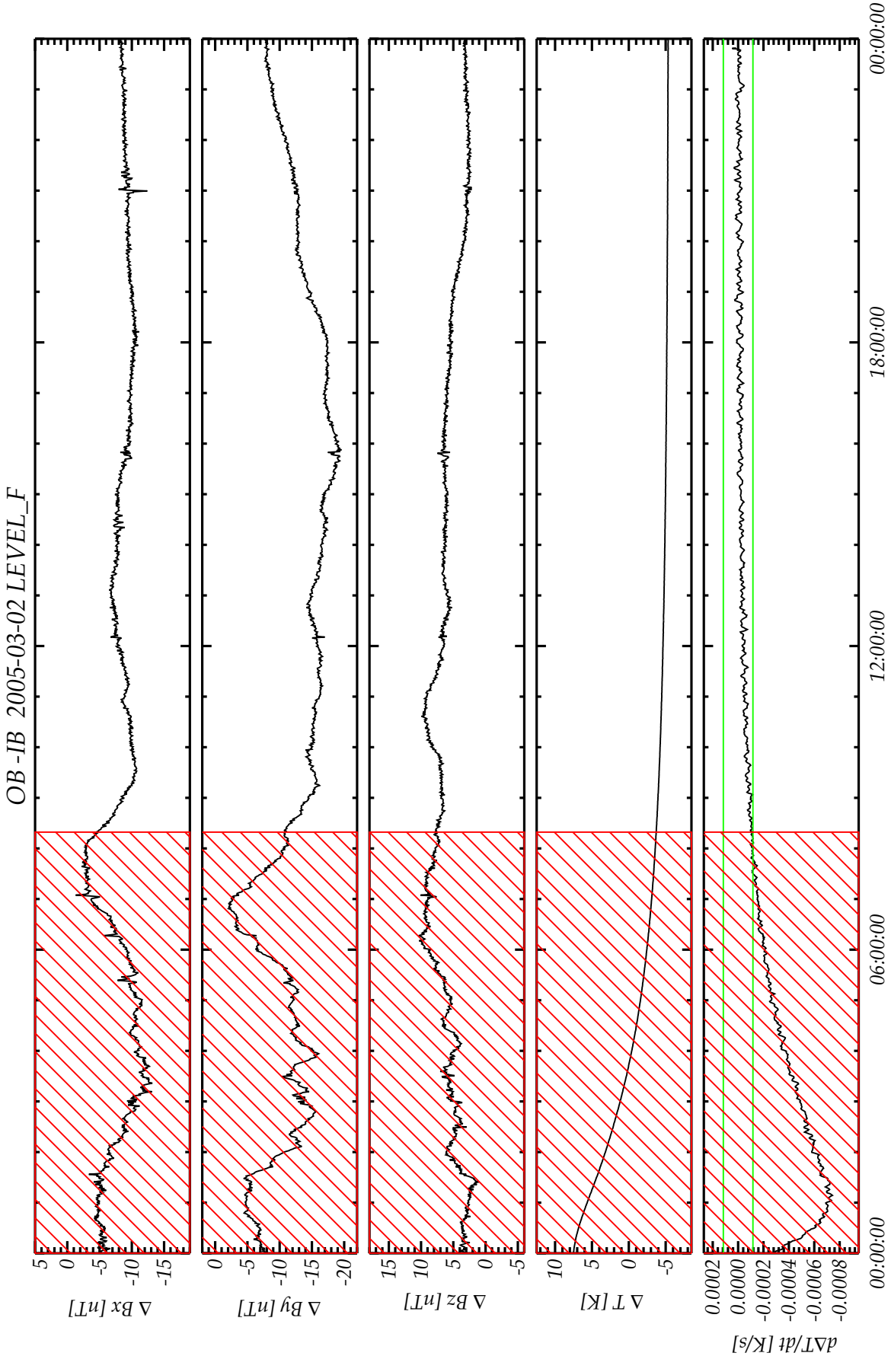
12:00:00
18:00:00
00:00:00


OB -IB 2005-03-02 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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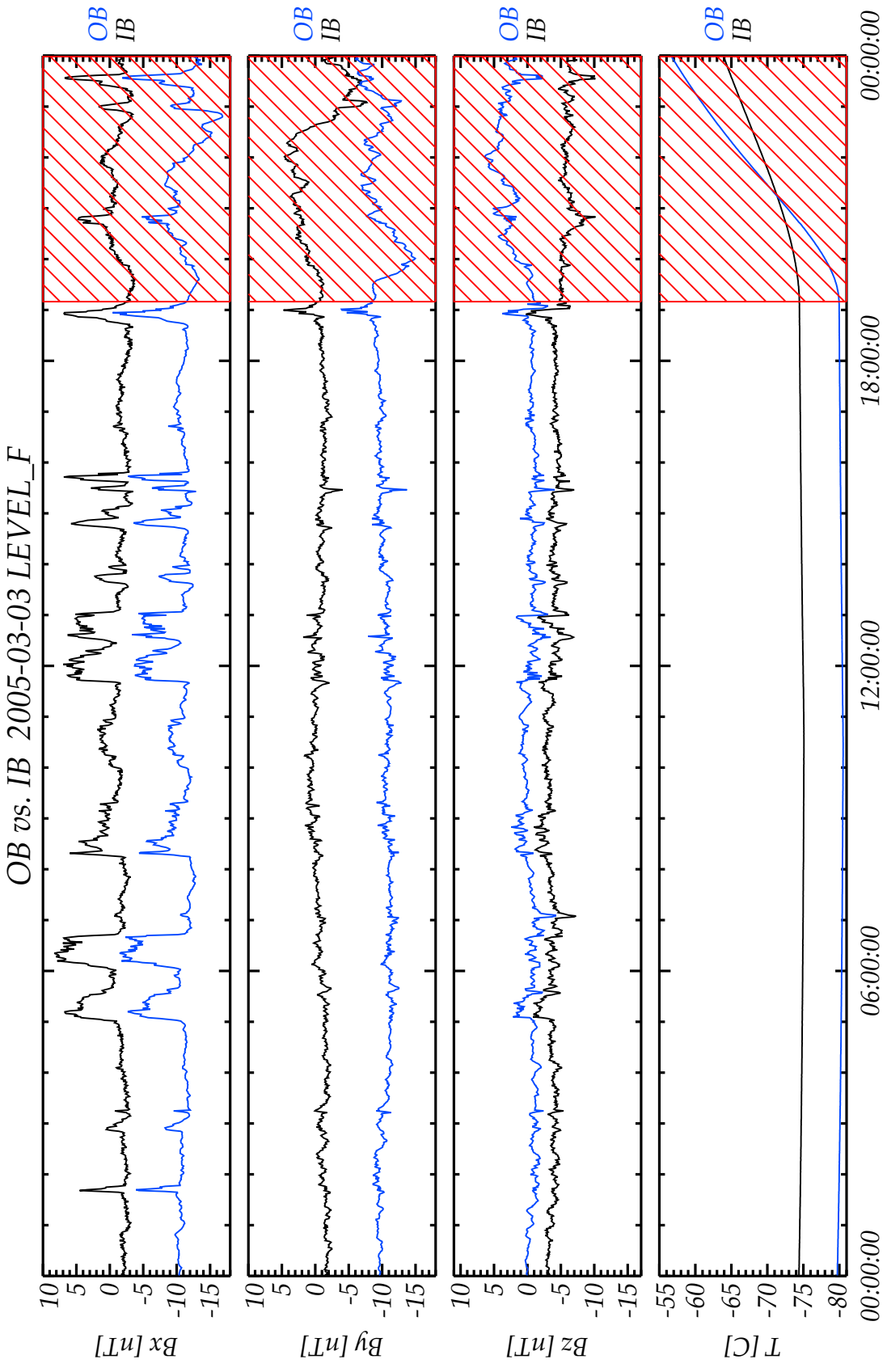
OB vs. IB 2005-03-03 LEVEL_F
OB
IB
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By [nT]
Bz [nT]
T [C]
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5
0
-5
-10
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-70
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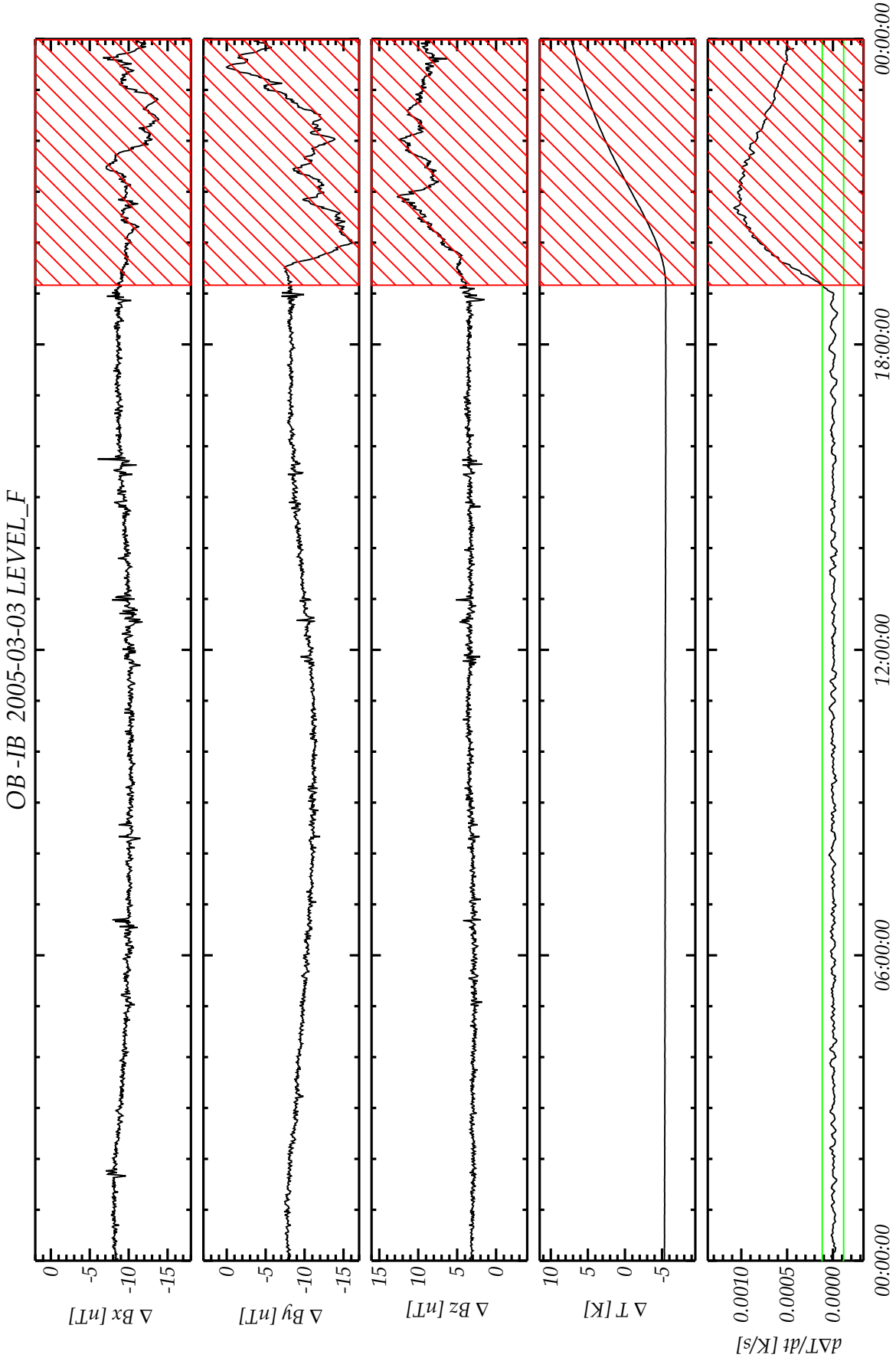
00:00:00


OB -IB 2005-03-03 LEVEL_F
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Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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18:00:00
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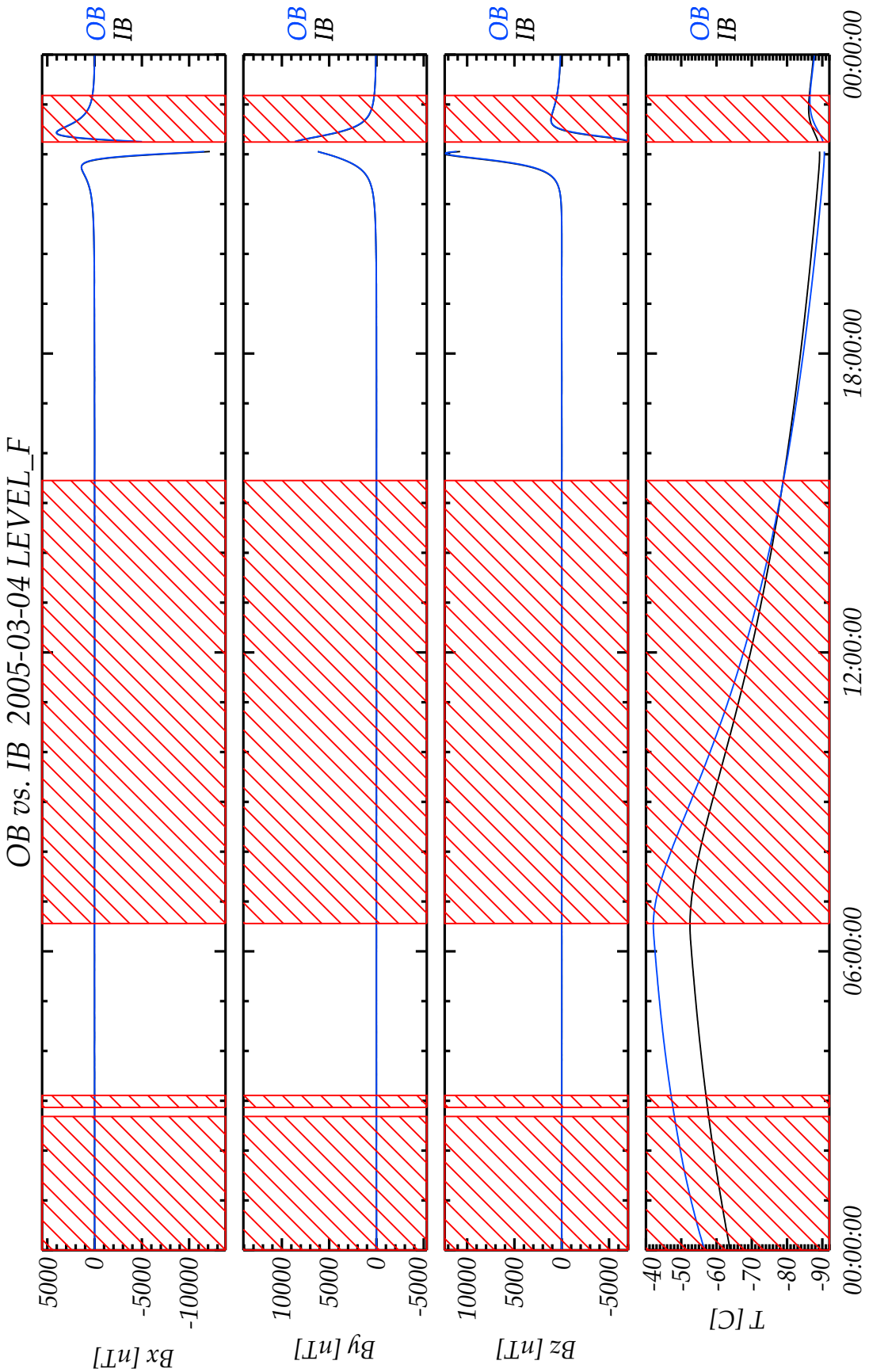
OB vs. IB 2005-03-04 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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10000
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-60
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-90
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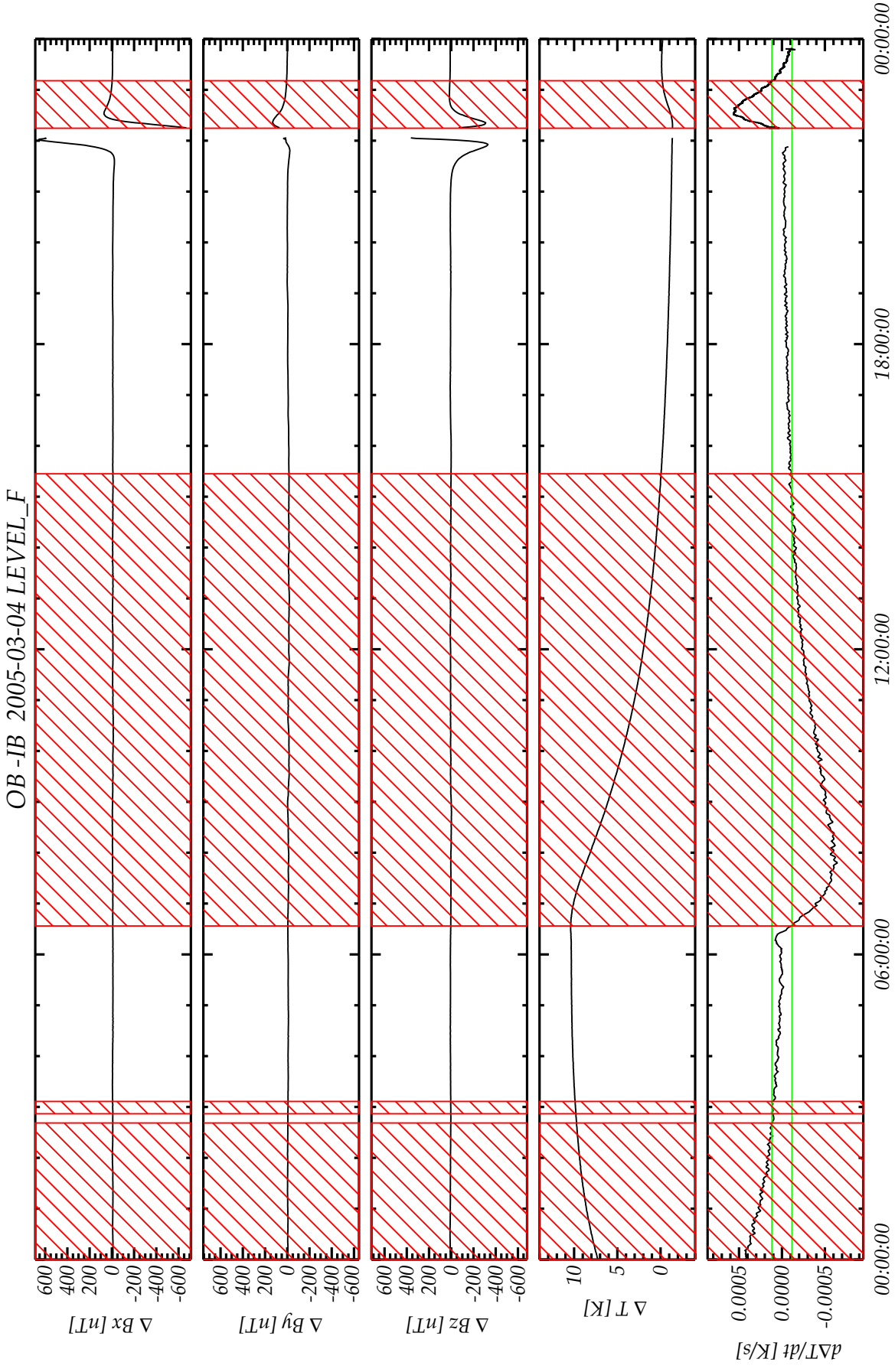
18:00:00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00:00:00
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Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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-400
-600
10
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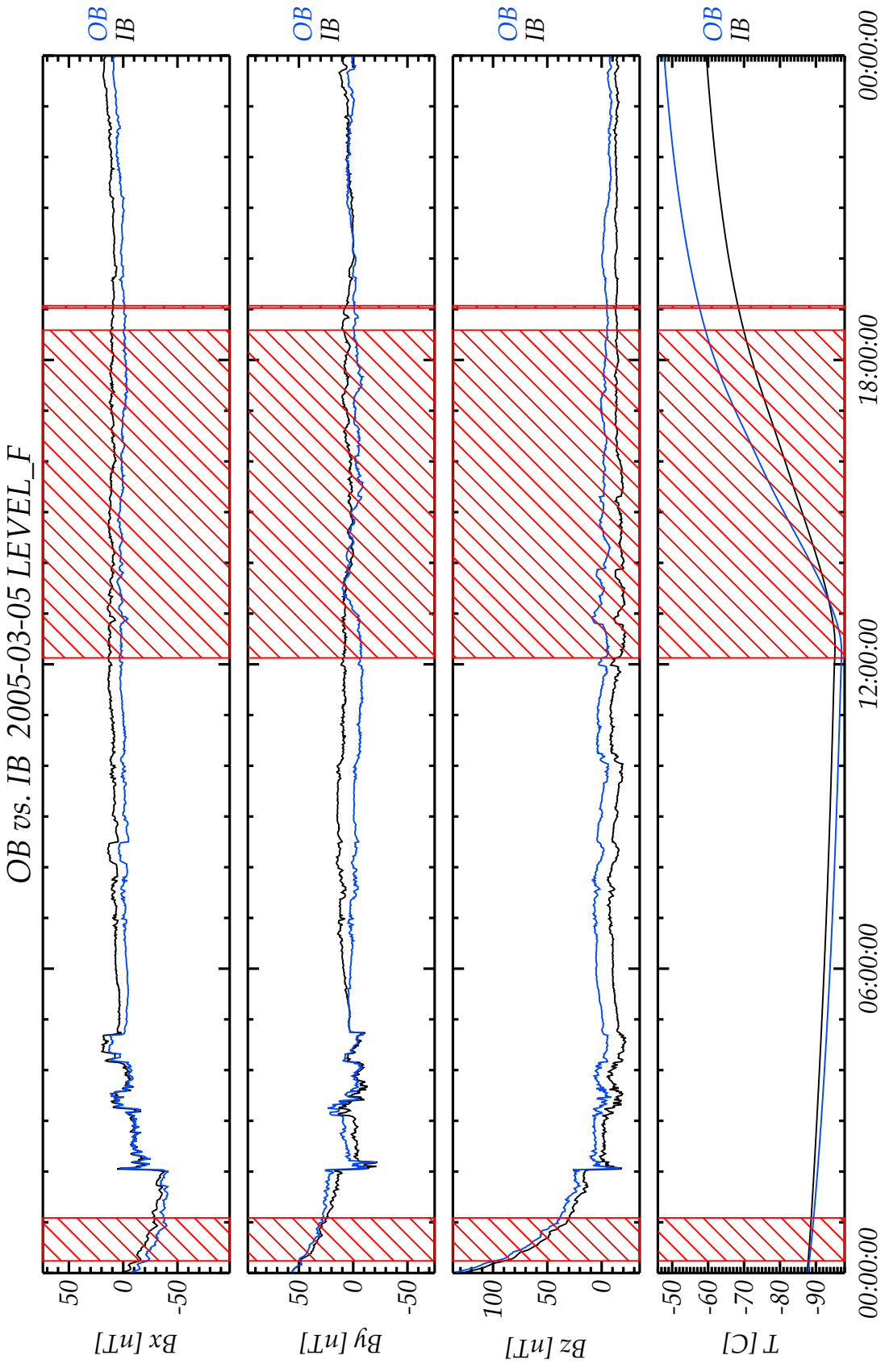
0.0000
-0.0005


OB vs. IB 2005-03-05 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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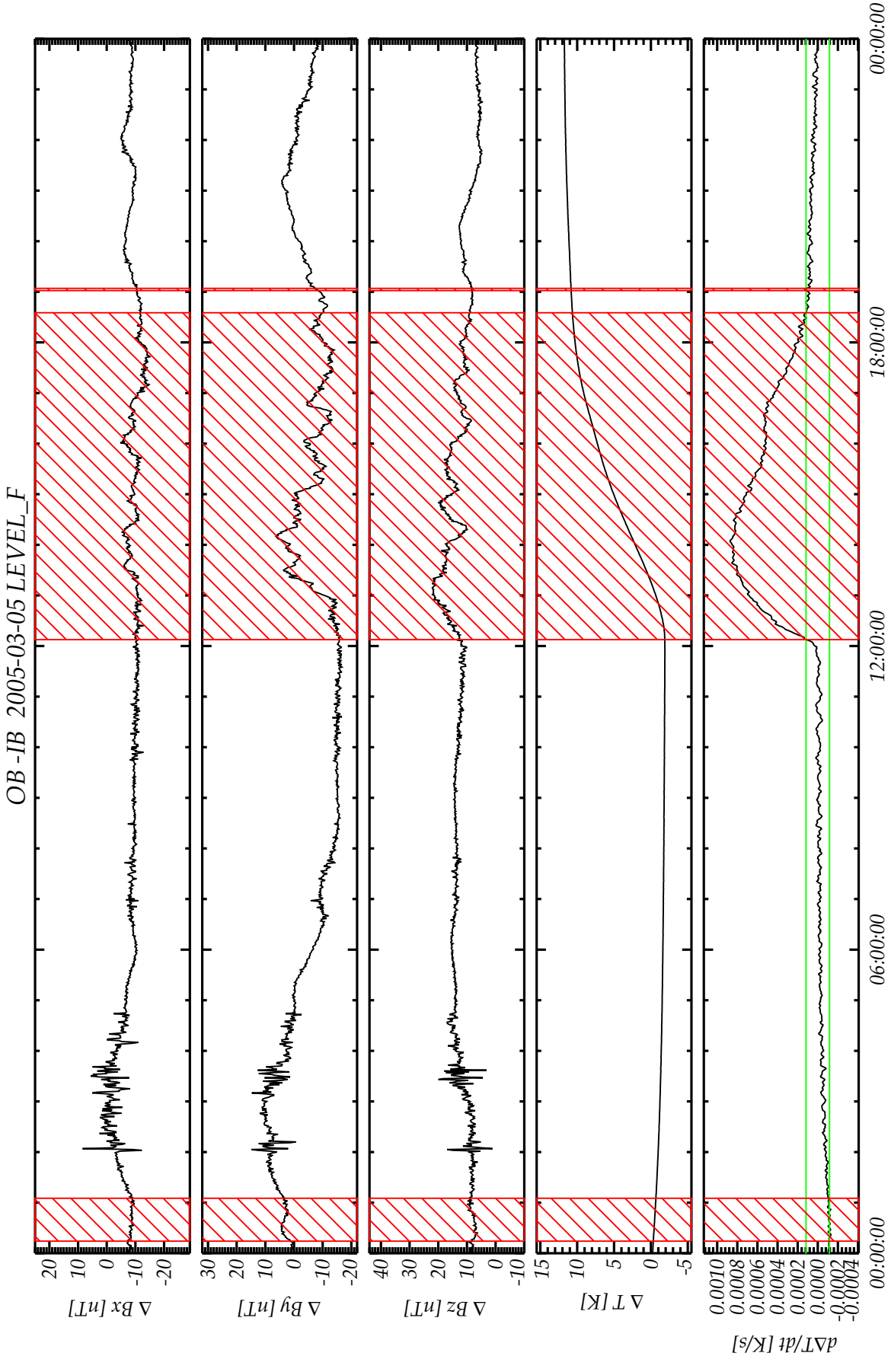
-50
100
-60
-70
-80
-90
00:00:00
06:00:00
12:00:00
18:00:00


OB -IB 2005-03-05 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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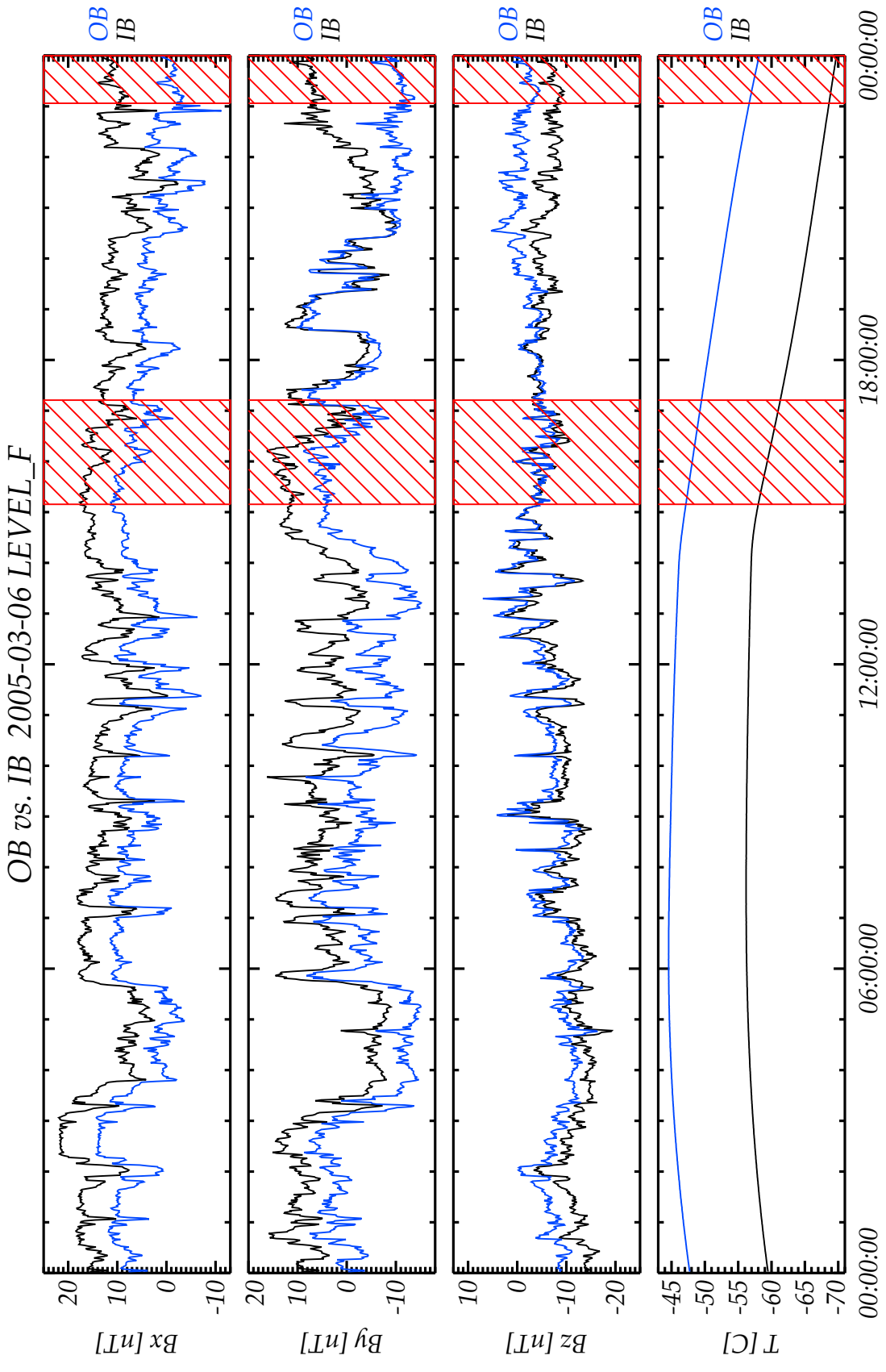
OB vs. IB 2005-03-06 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
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10
0
-10
-20
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18:00:00
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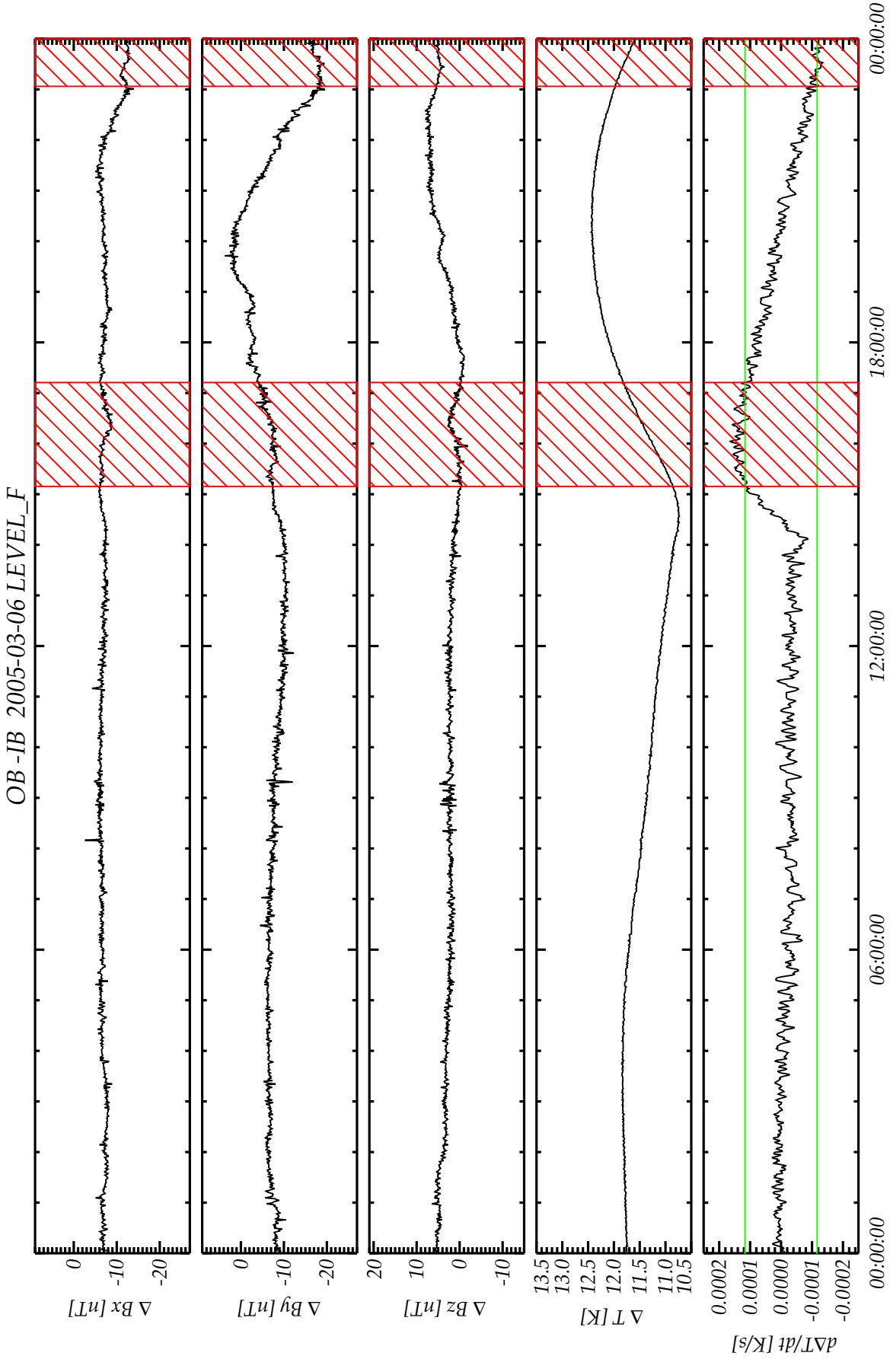
OB -IB 2005-03-06 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
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06:00:00
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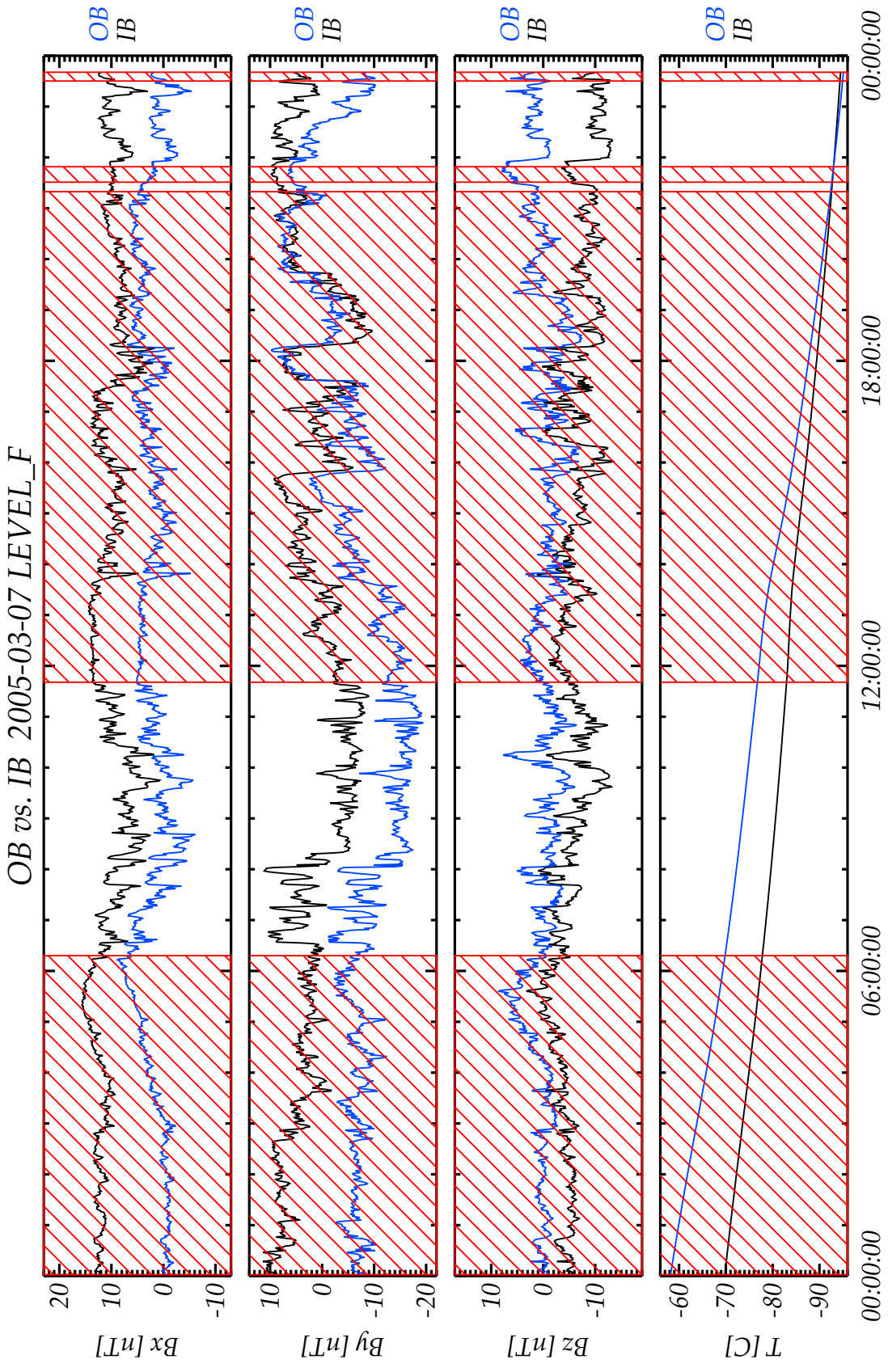
OB vs. IB 2005-03-07 LEVEL_F
OB
IB
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By [nT]
Bz [nT]
T [C]
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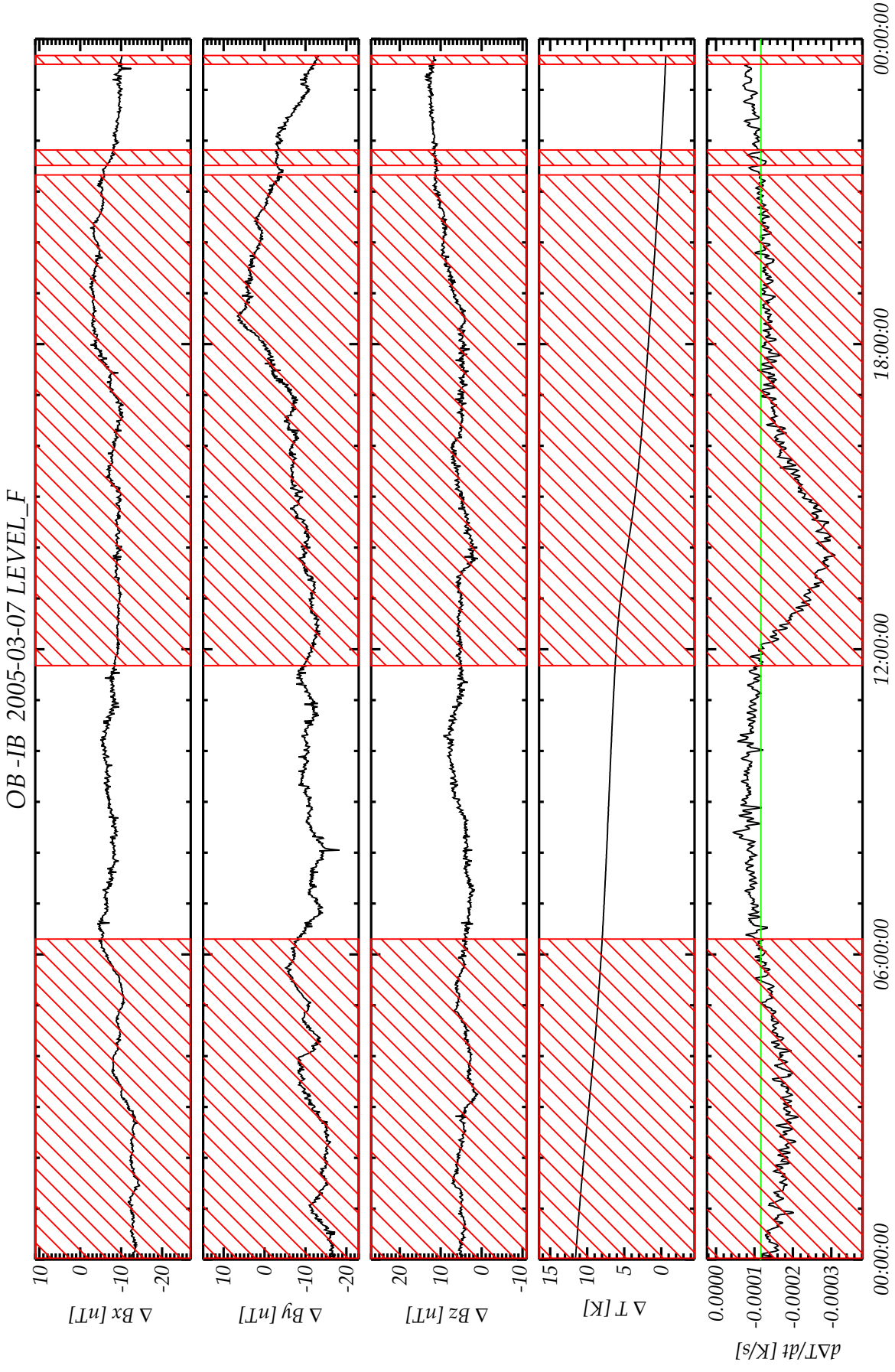
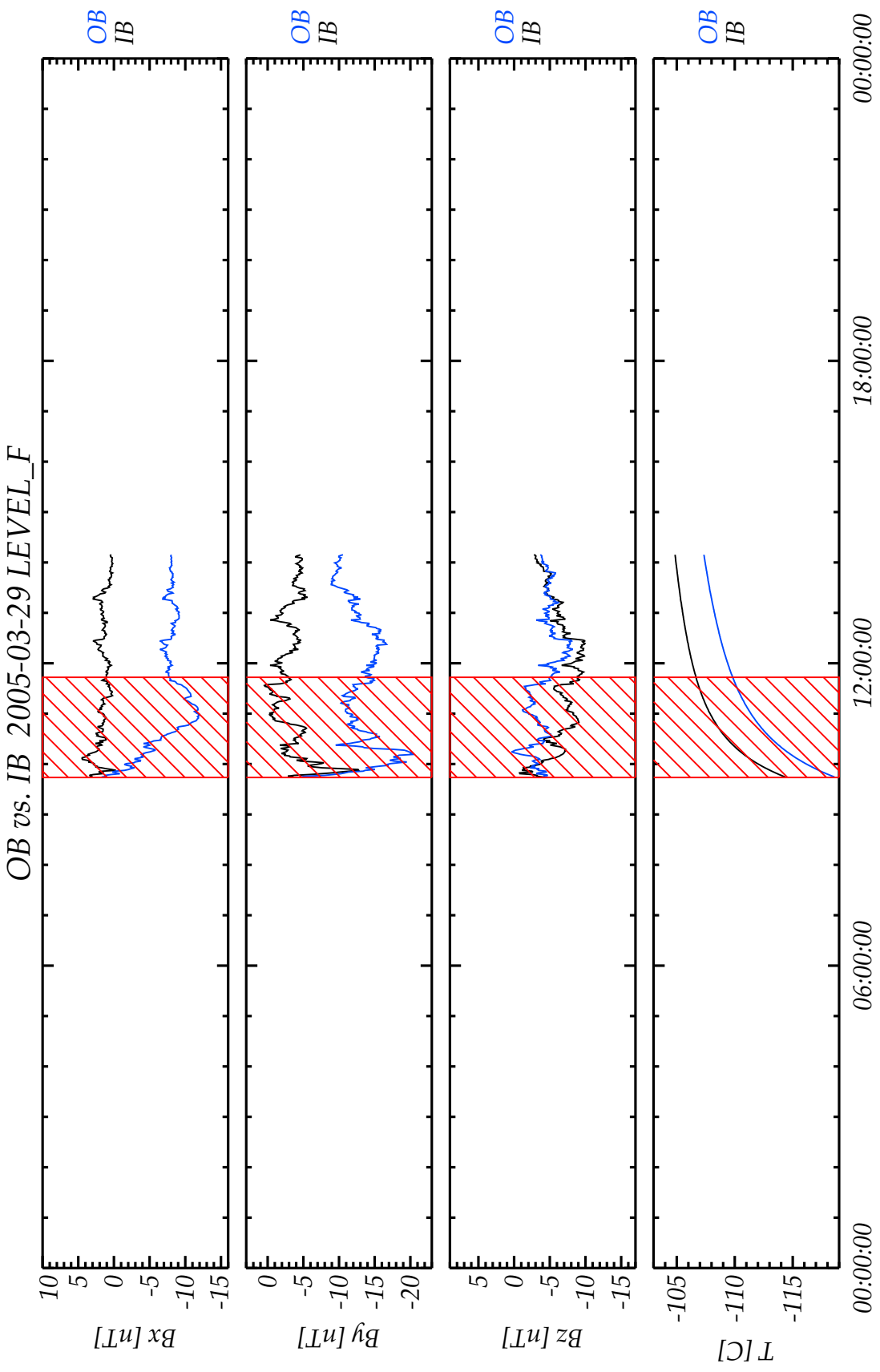
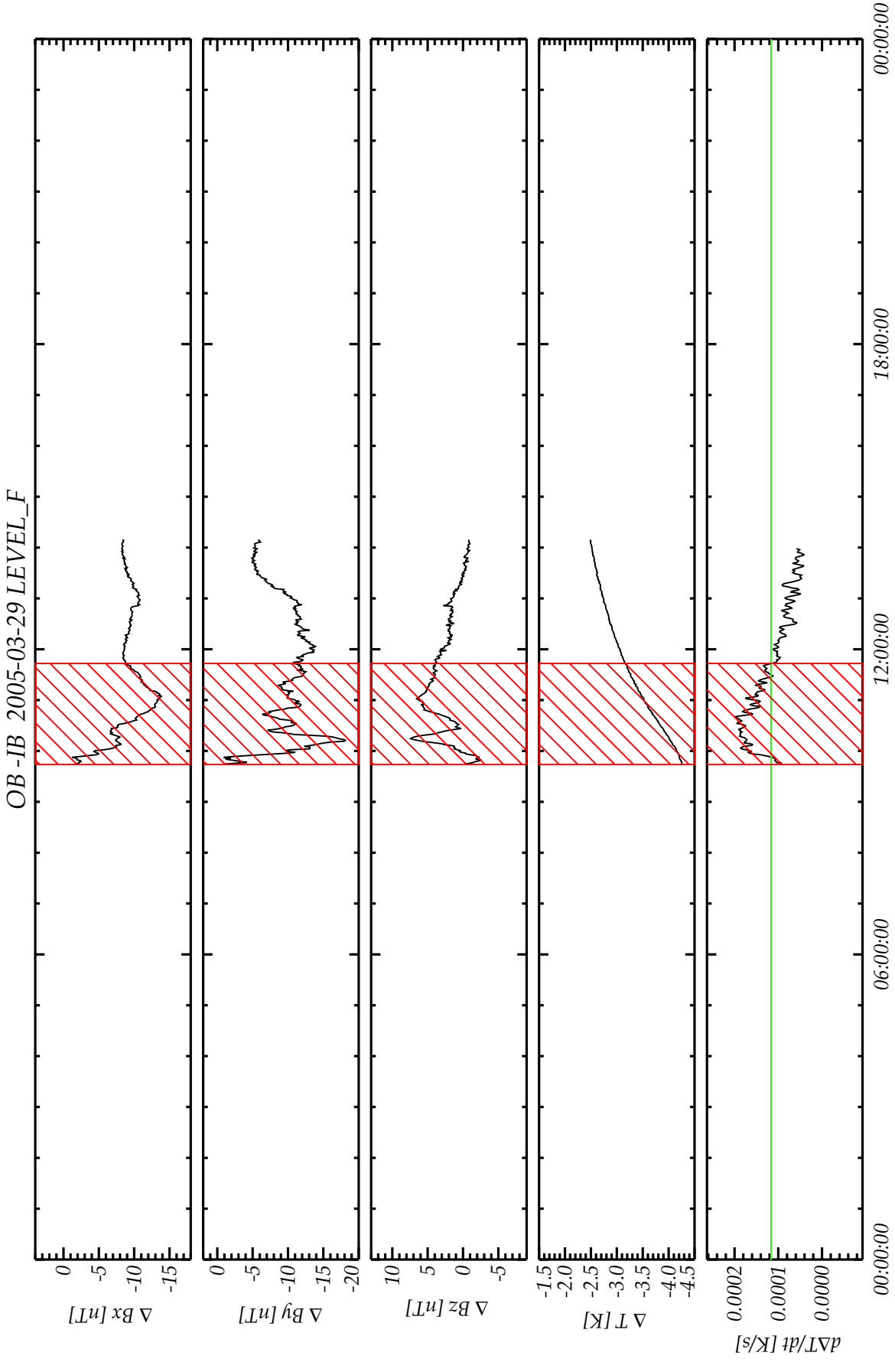

OB -IB 2005-03-07 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2005-03-29 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2005-03-29 LEVEL_F
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00
Δ Bx [nT]
0
-5
-10
-15
Δ By [nT]
0
-5
-10
-15
-20
Δ Bz [nT]
10
5
0
-5
Δ T [K]
-1.5
-2.0
-2.5
-3.0
-3.5
-4.0
-4.5
dΔT/dt [K/s]
0.0002
0.0001
0.0000

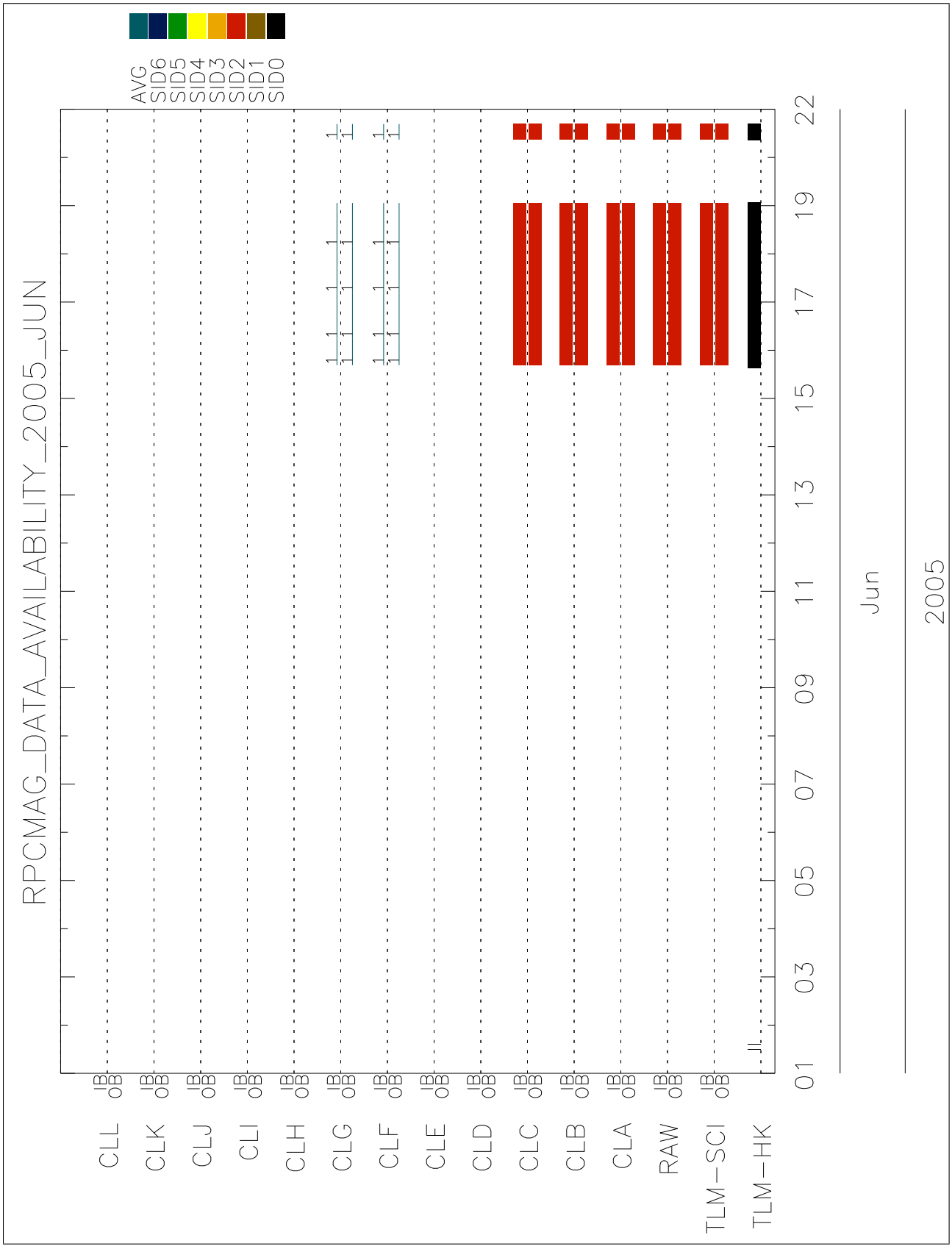
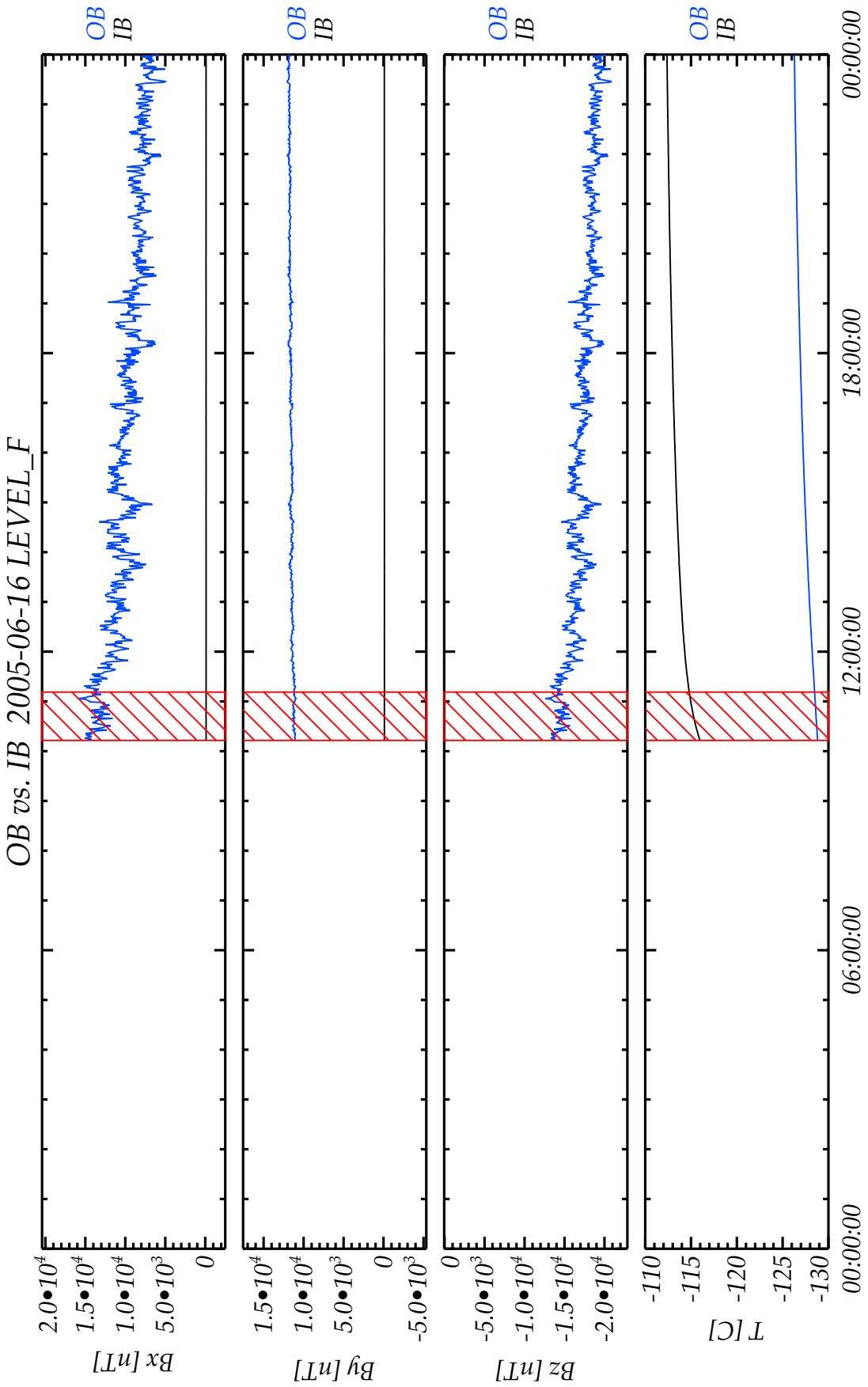
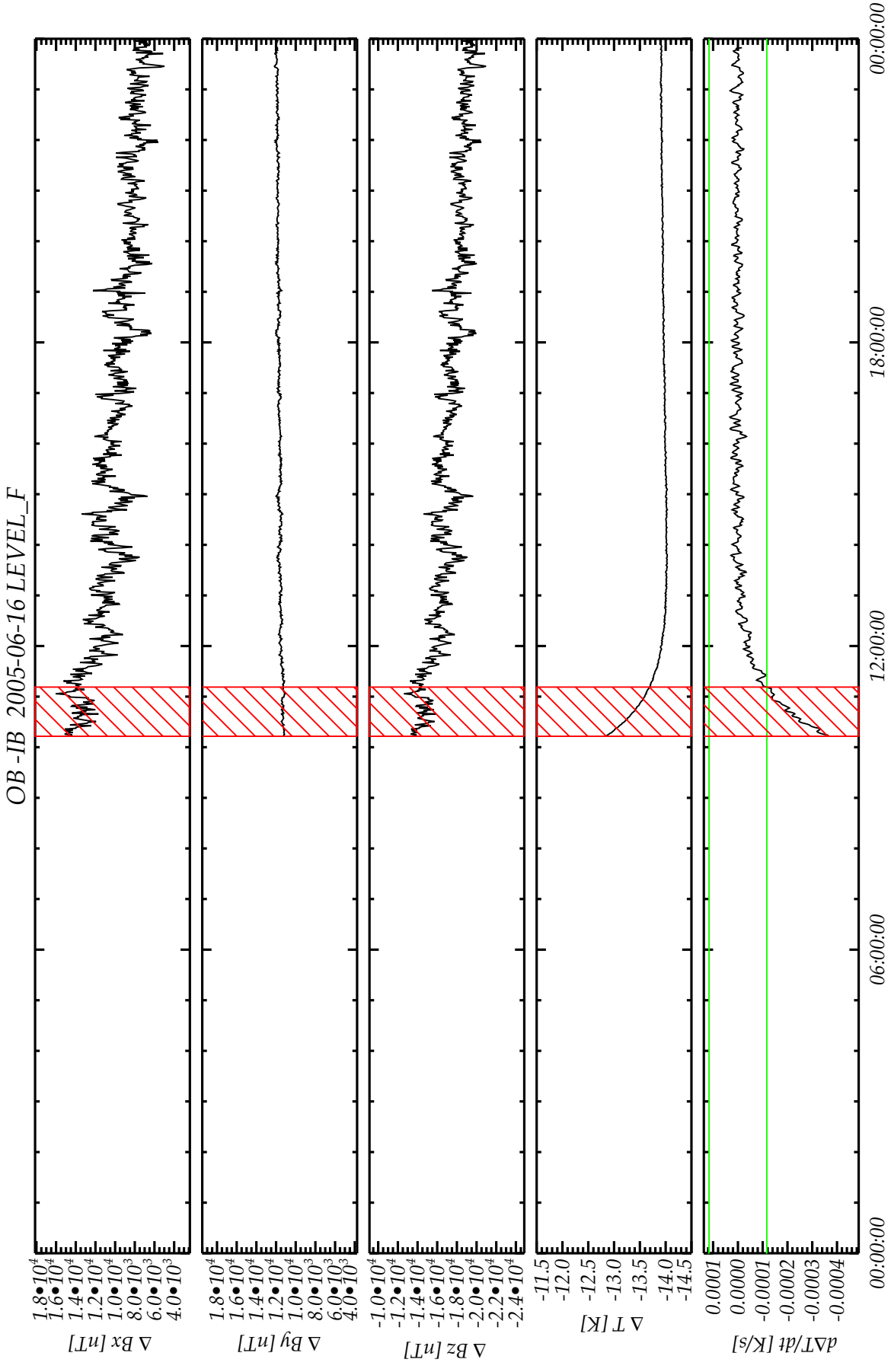


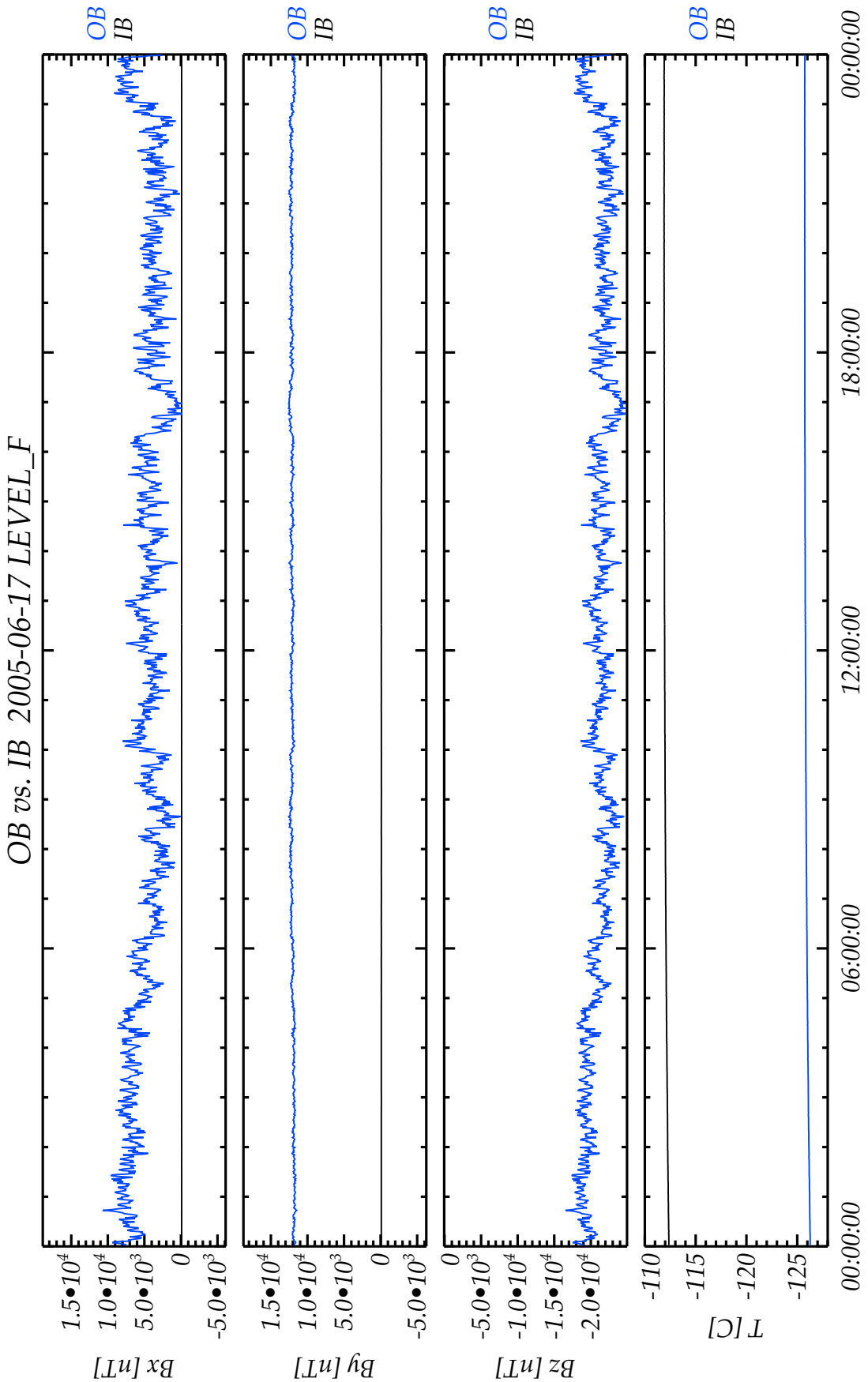
Figure 8: Overview June 2005

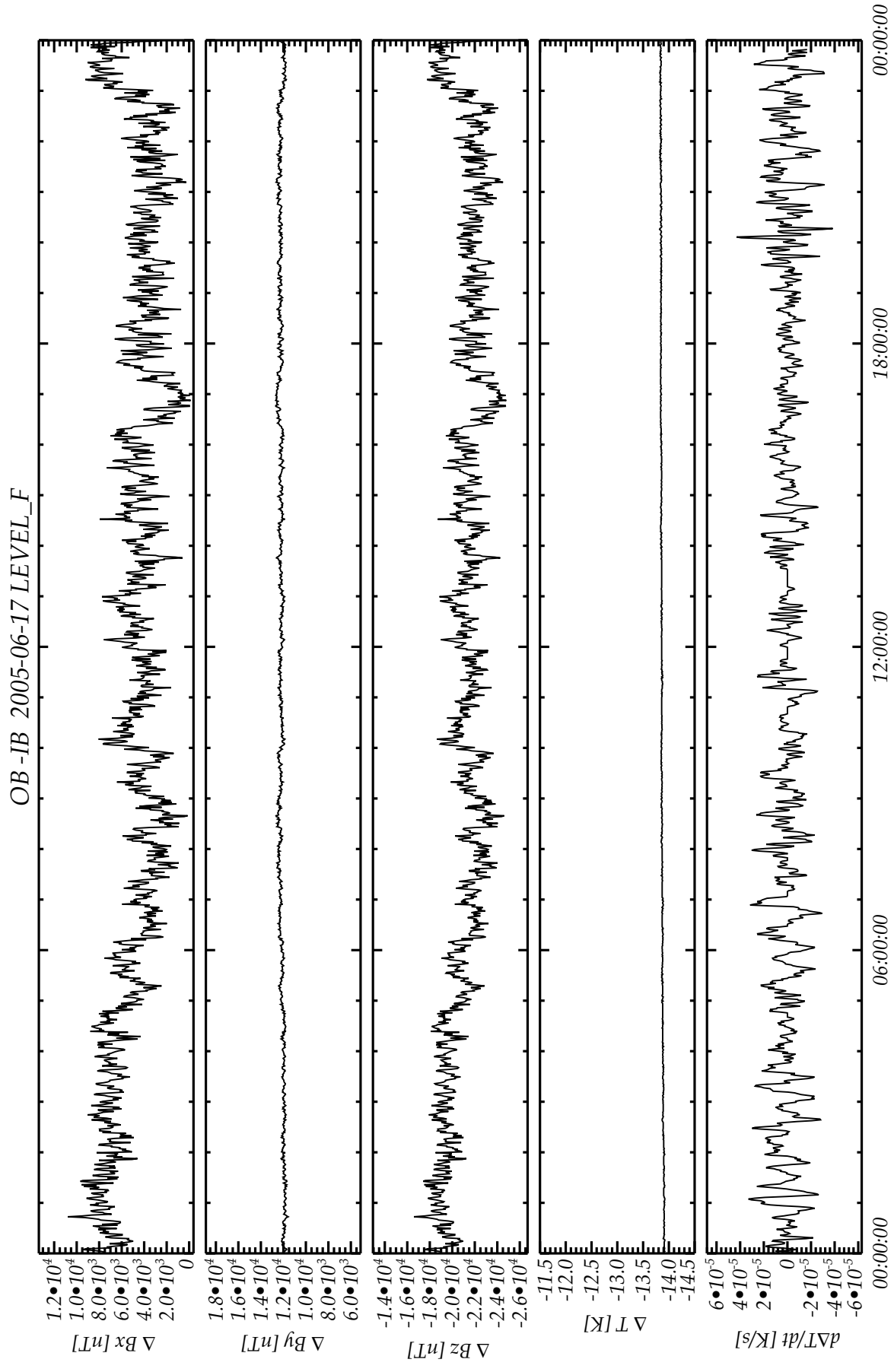
DATE	LEVEL	AVERAGE [s]	SENSOR
2005-06-16	CLG	1	OB
2005-06-16	CLF	1	OB
2005-06-16	CLG	1	IB
2005-06-16	CLF	1	IB
2005-06-17	CLG	1	OB
2005-06-17	CLF	1	OB
2005-06-17	CLF	1	IB
2005-06-17	CLG	1	IB
2005-06-18	CLF	1	OB
2005-06-18	CLG	1	OB
2005-06-18	CLF	1	IB
2005-06-18	CLG	1	IB
2005-06-19	CLG	1	OB
2005-06-19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

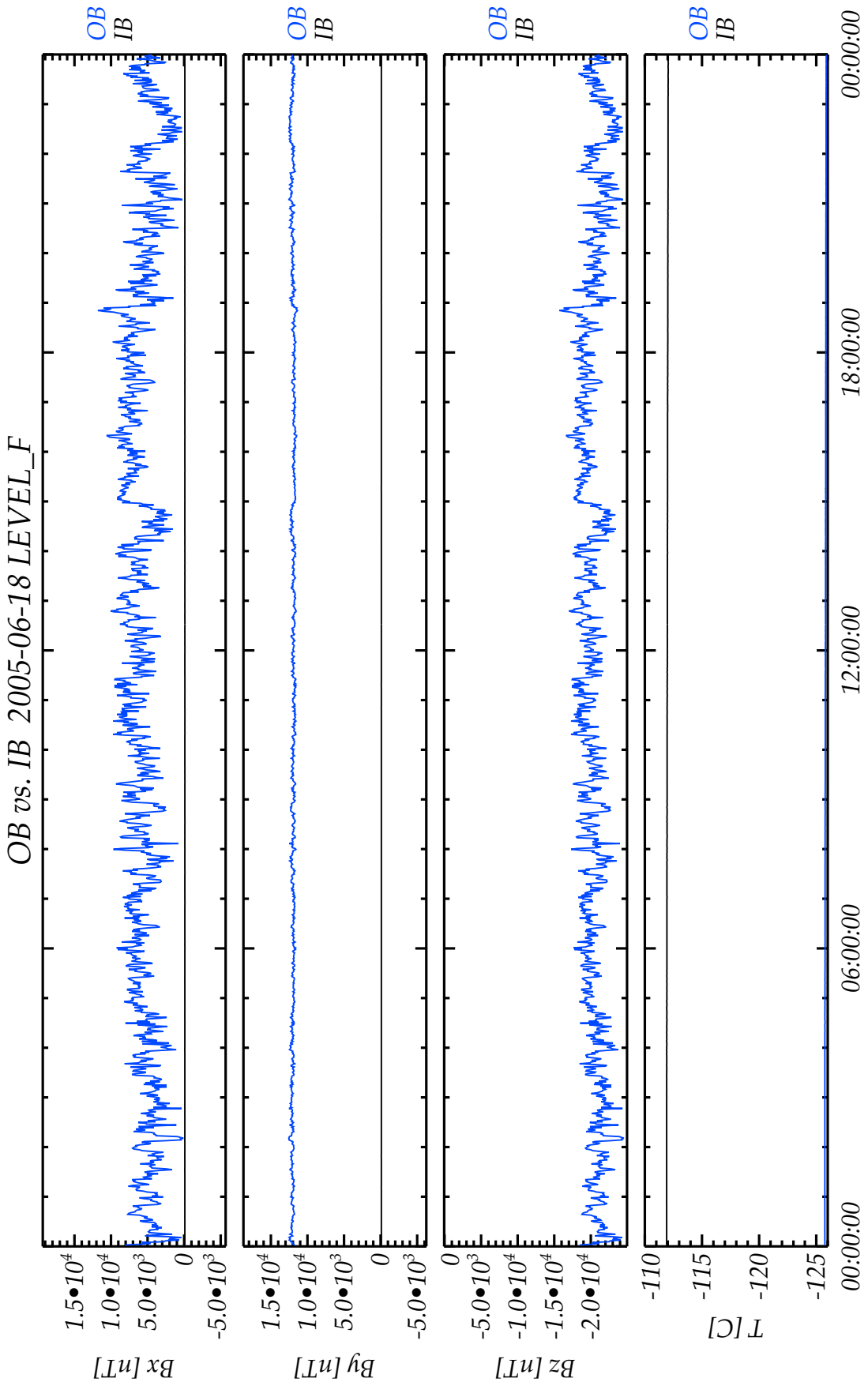
Data from June 16, 2005 to June 19, 2005 are not usable, as the instrument could not be powered on successfully.

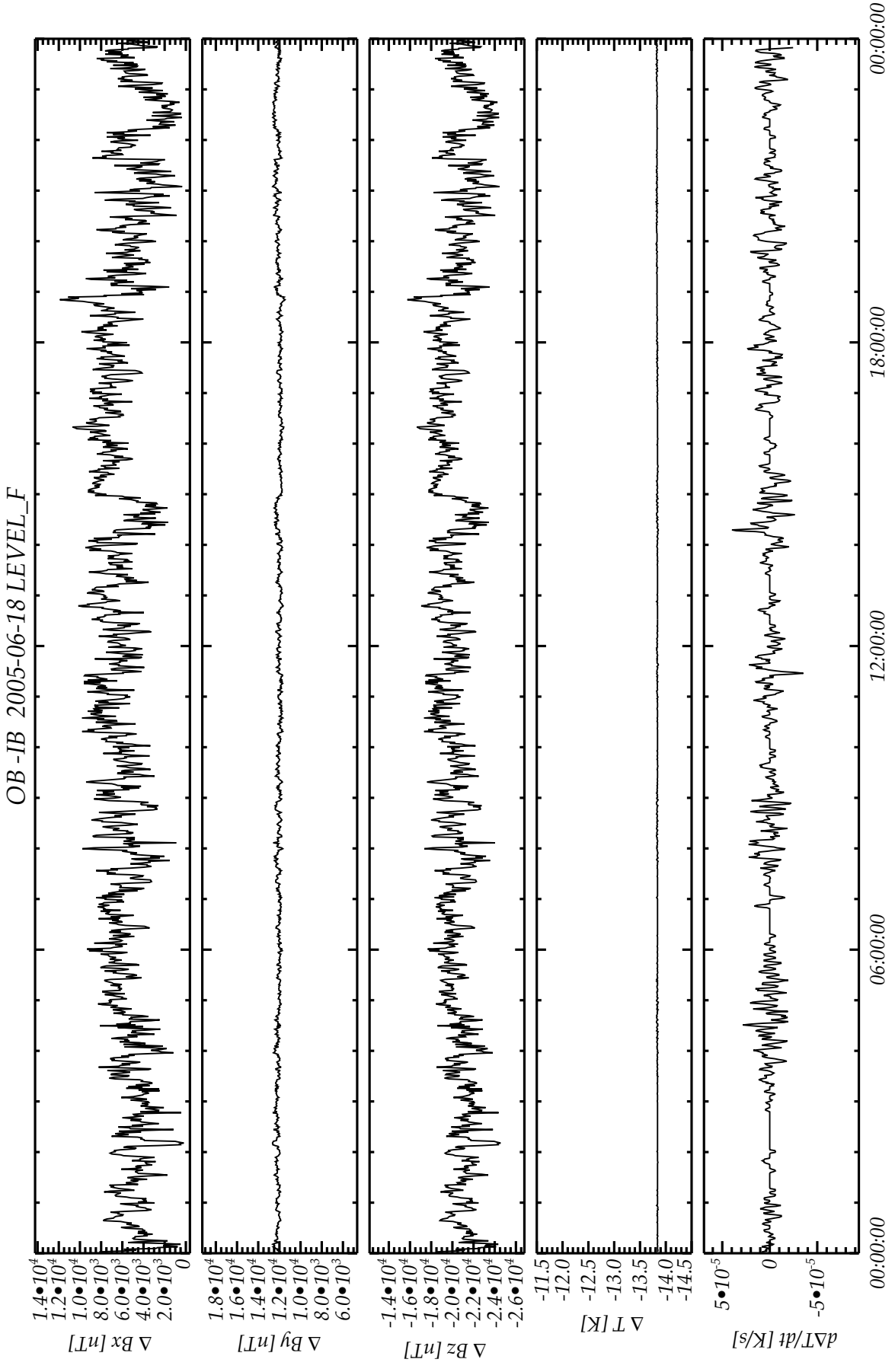

OB vs. IB 2005-06-16 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

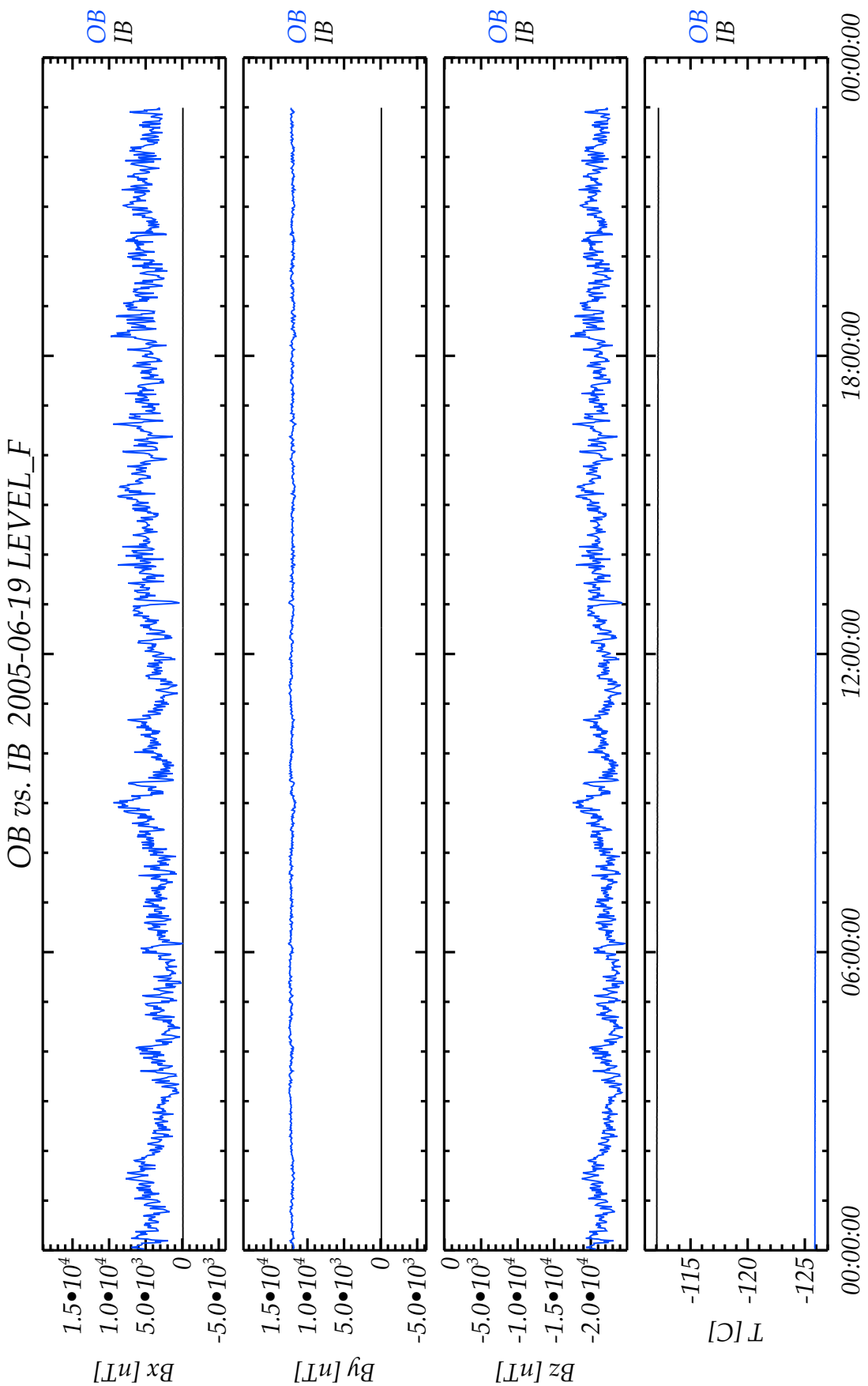

OB -IB 2005-06-16 LEVEL_F
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]

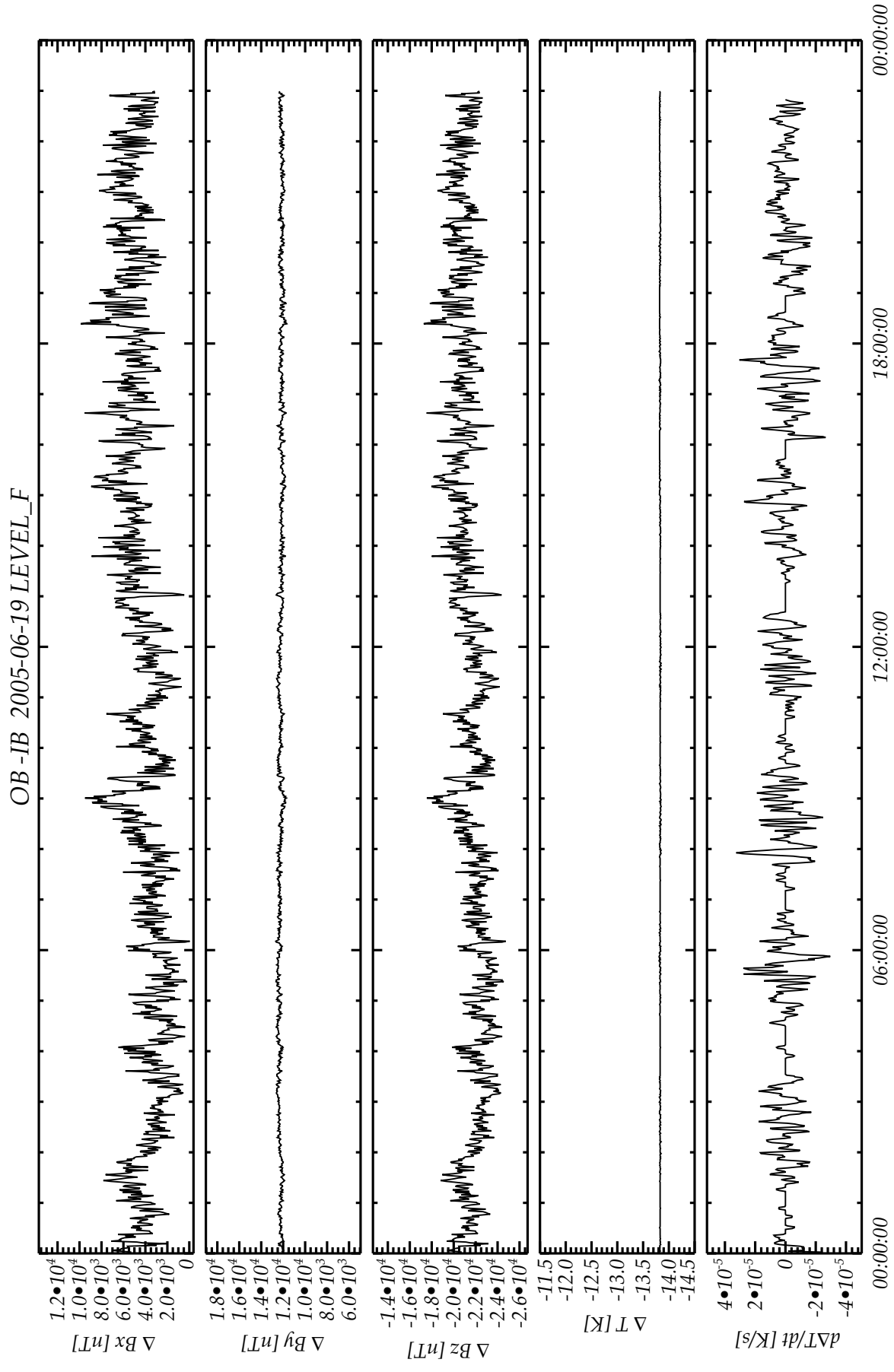

OB vs. IB 2005-06-17 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
-2.0•10^4
-110
-115
-120
-125
00:00:00
06:00:00
12:00:00
18:00:00

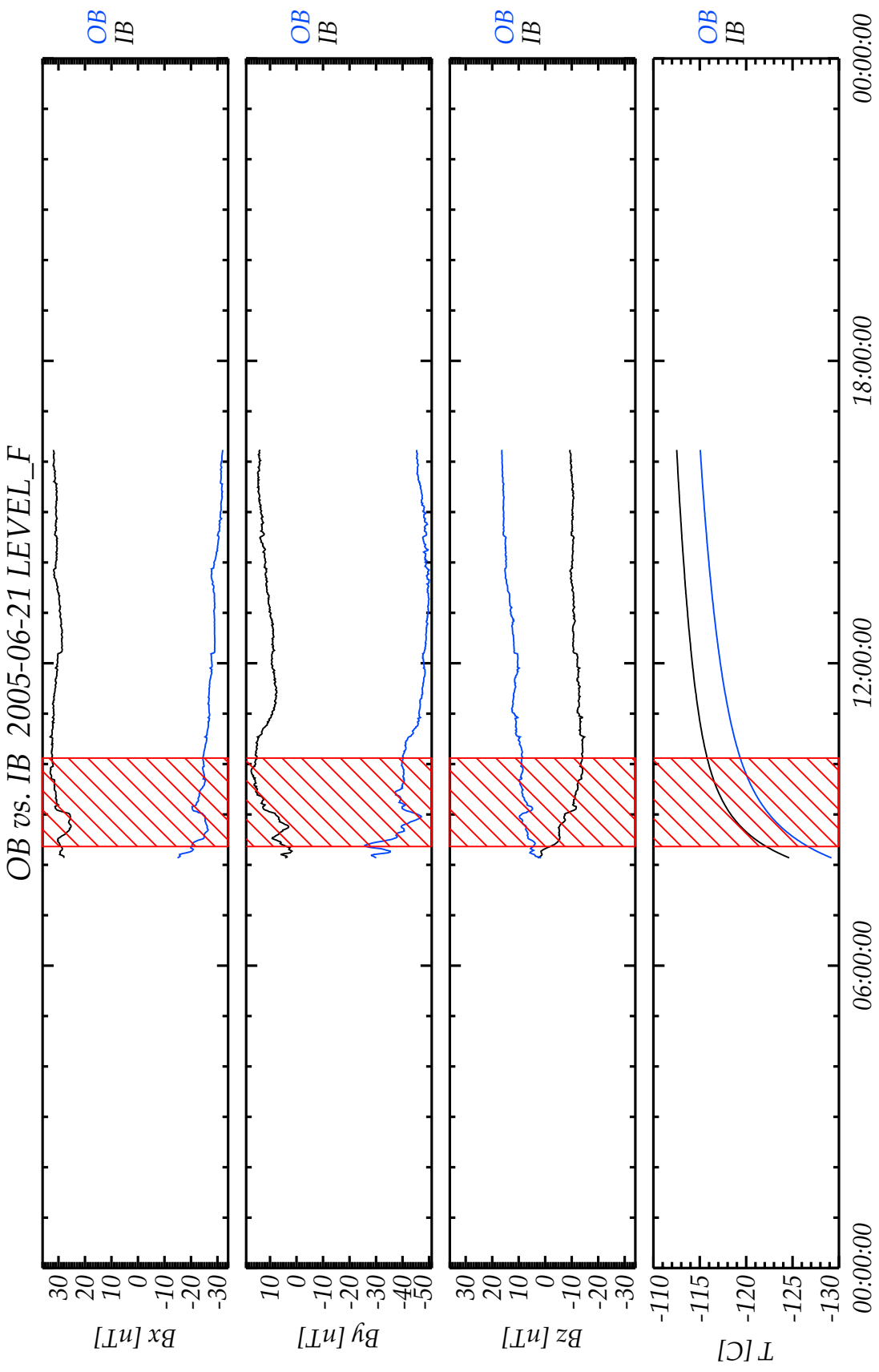

OB -IB 2005-06-17 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

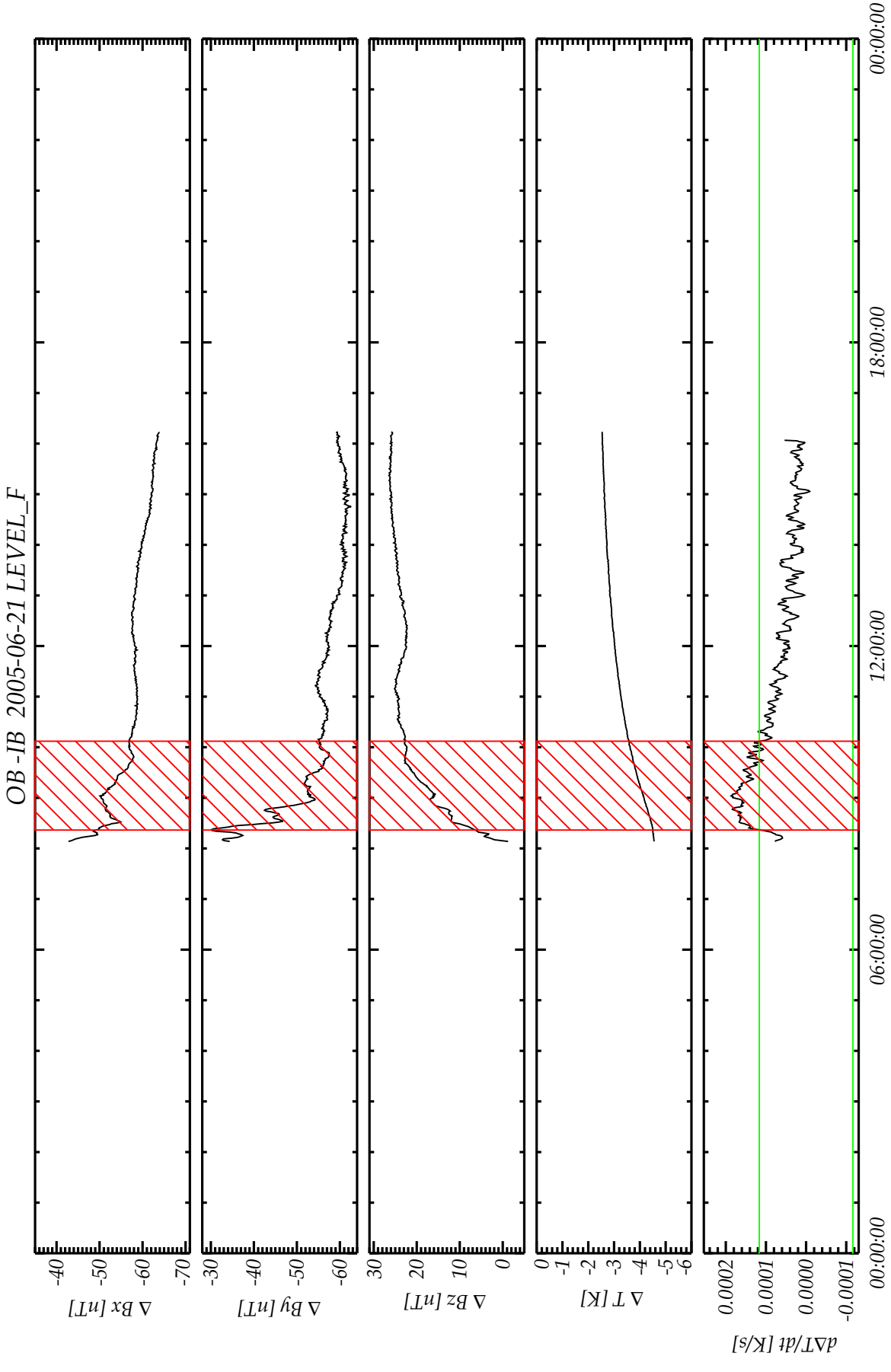

OB vs. IB 2005-06-18 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
-2.0•10^4
-110
-115
-120
-125
00:00:00
06:00:00
12:00:00
18:00:00


OB -IB 2005-06-18 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2005-06-19 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-2.0•10^4
-1.5•10^4
-1.0•10^4
-5.0•10^3
-115
-120
-125
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2005-06-19 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2005-06-21 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2005-06-21 LEVEL_F
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00
Δ Bx [nT]
-40
-50
-60
-70
Δ By [nT]
-30
-40
-50
-60
Δ Bz [nT]
30
20
10
0
Δ T [K]
0
-1
-2
-3
-4
-5
-6
dΔT/dt [K/s]
0.0002
0.0001
0.0000
-0.0001

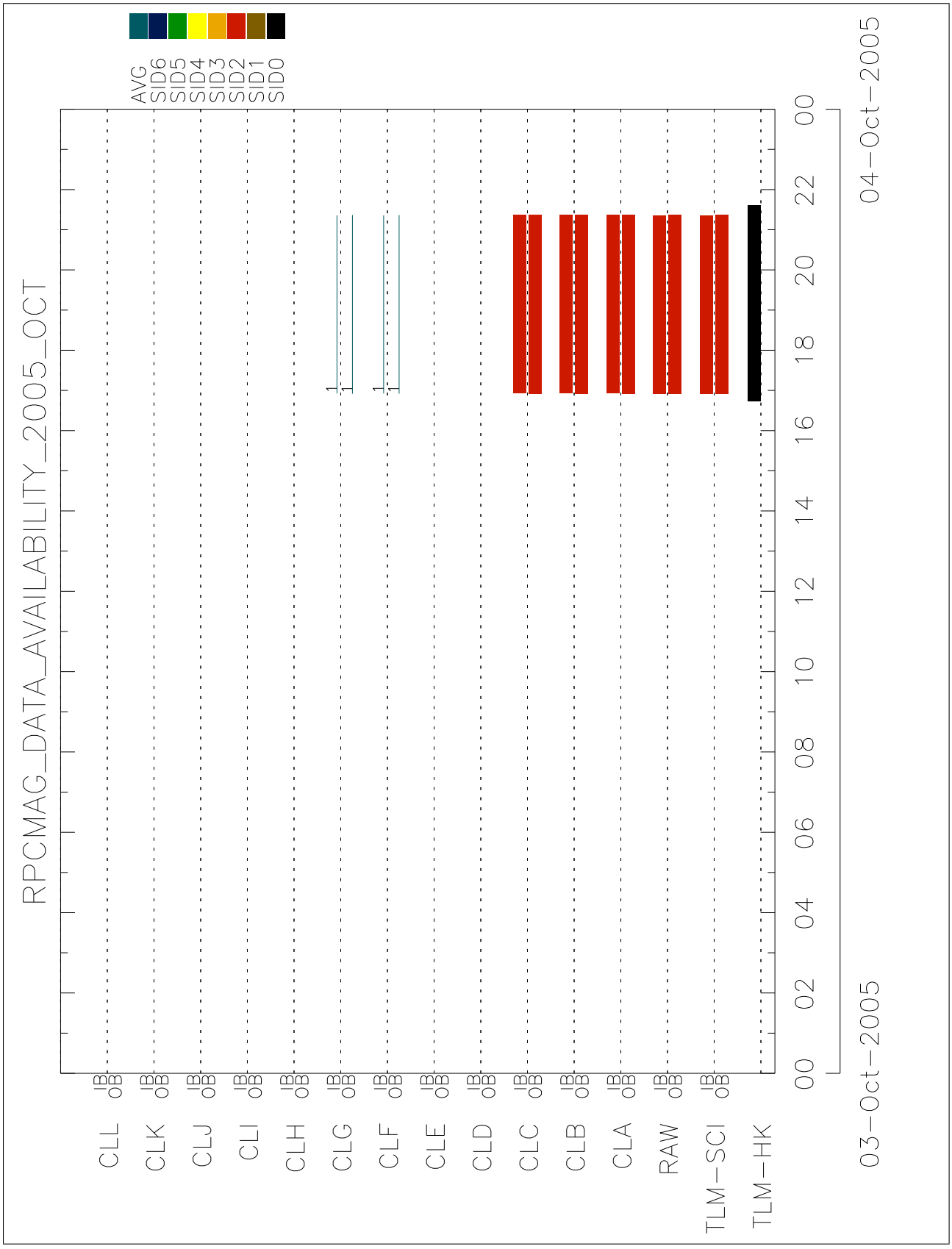
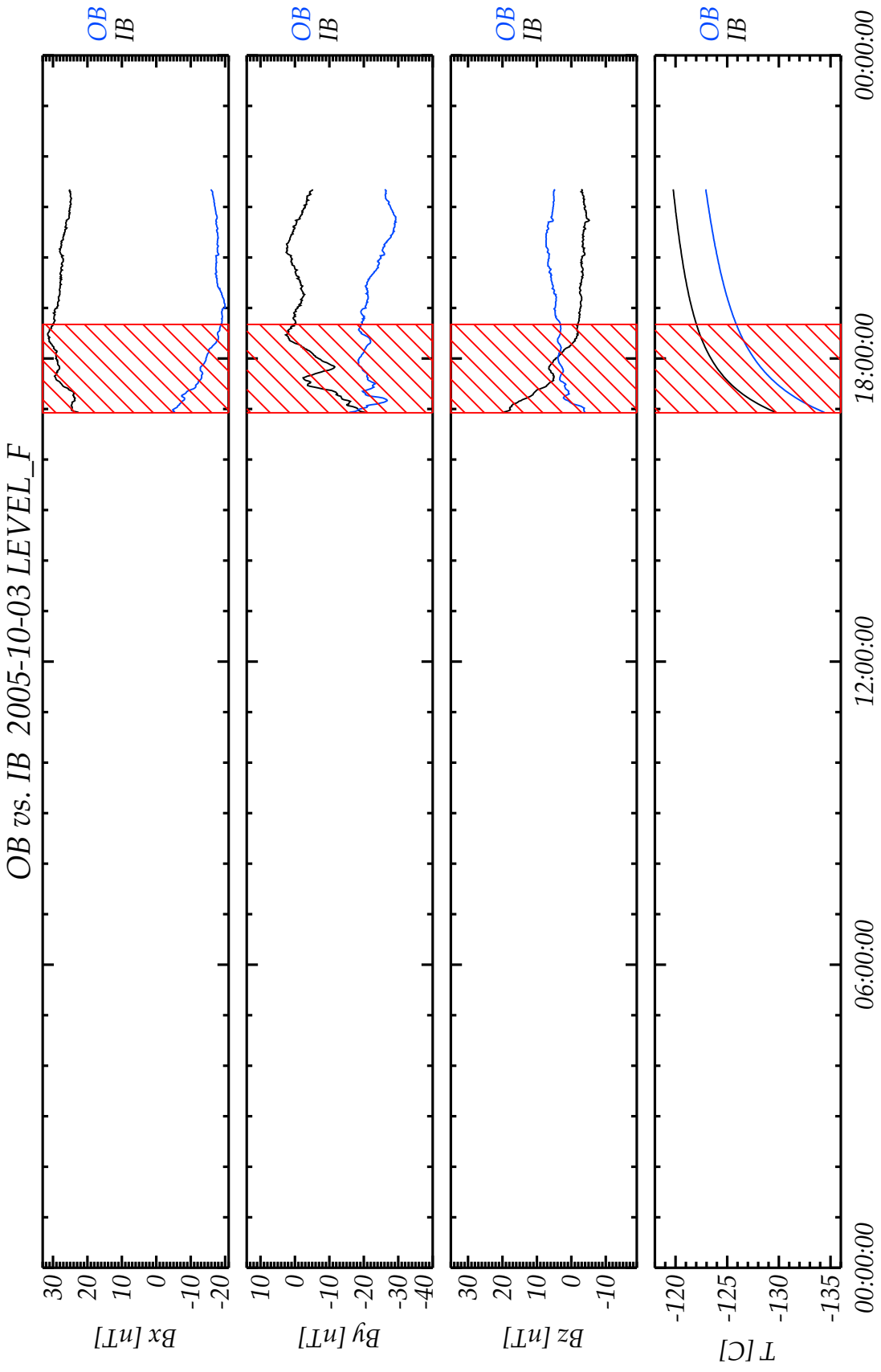
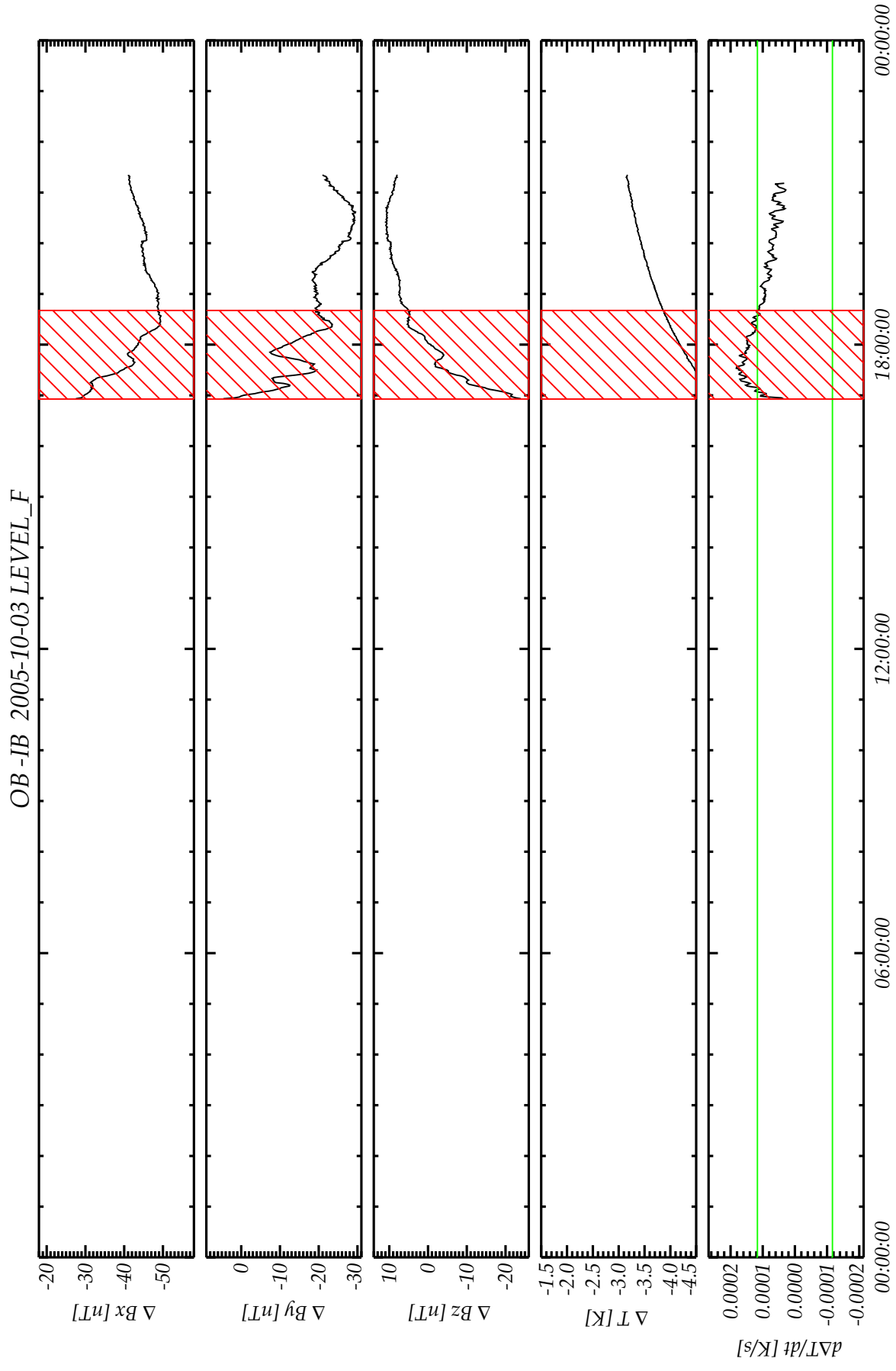


Figure 9: Overview October 2005

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


OB vs. IB 2005-10-03 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2005-10-03 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
18:00:00
12:00:00
06:00:00
00:00:00

4 2006

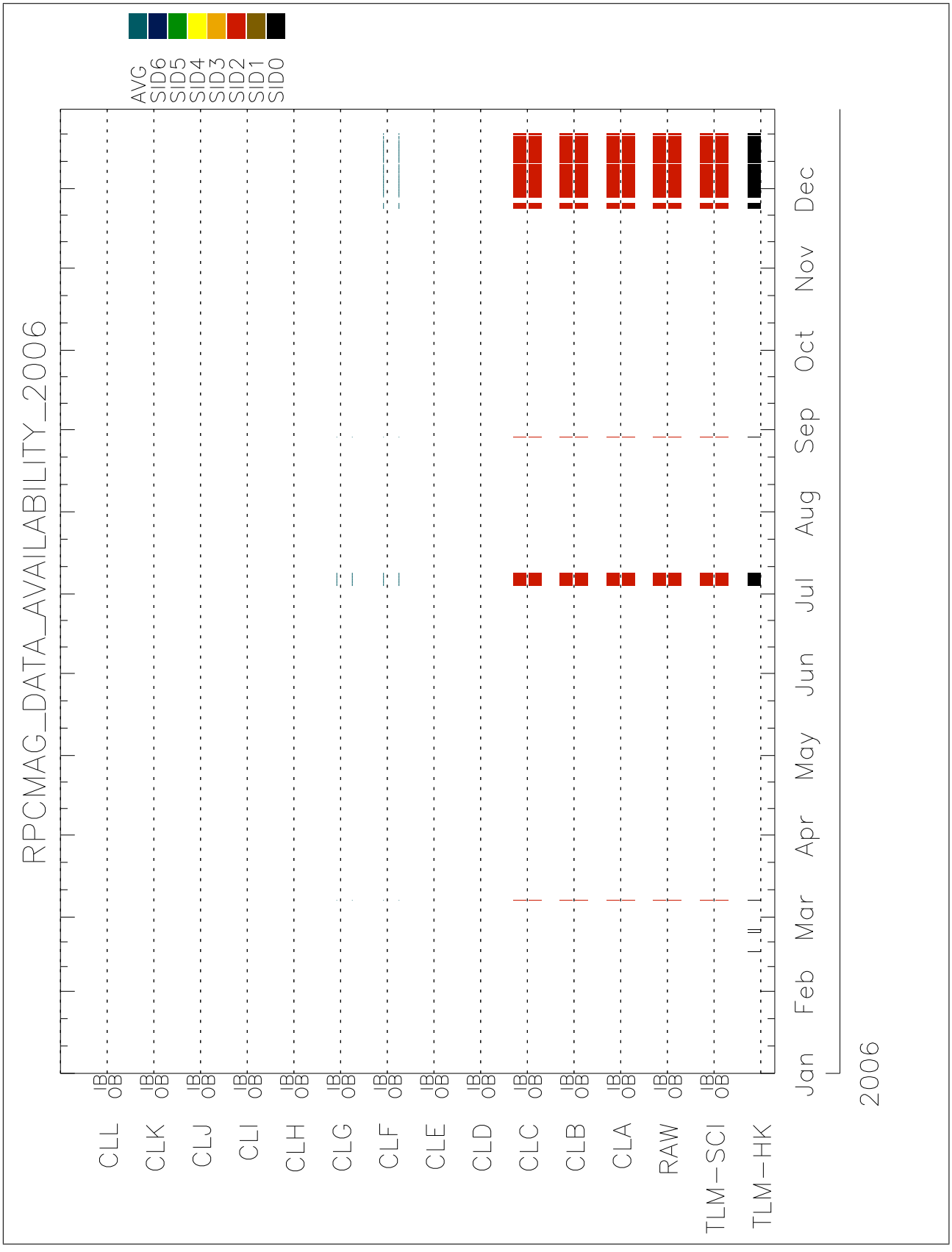


Figure 10: Overview 2006

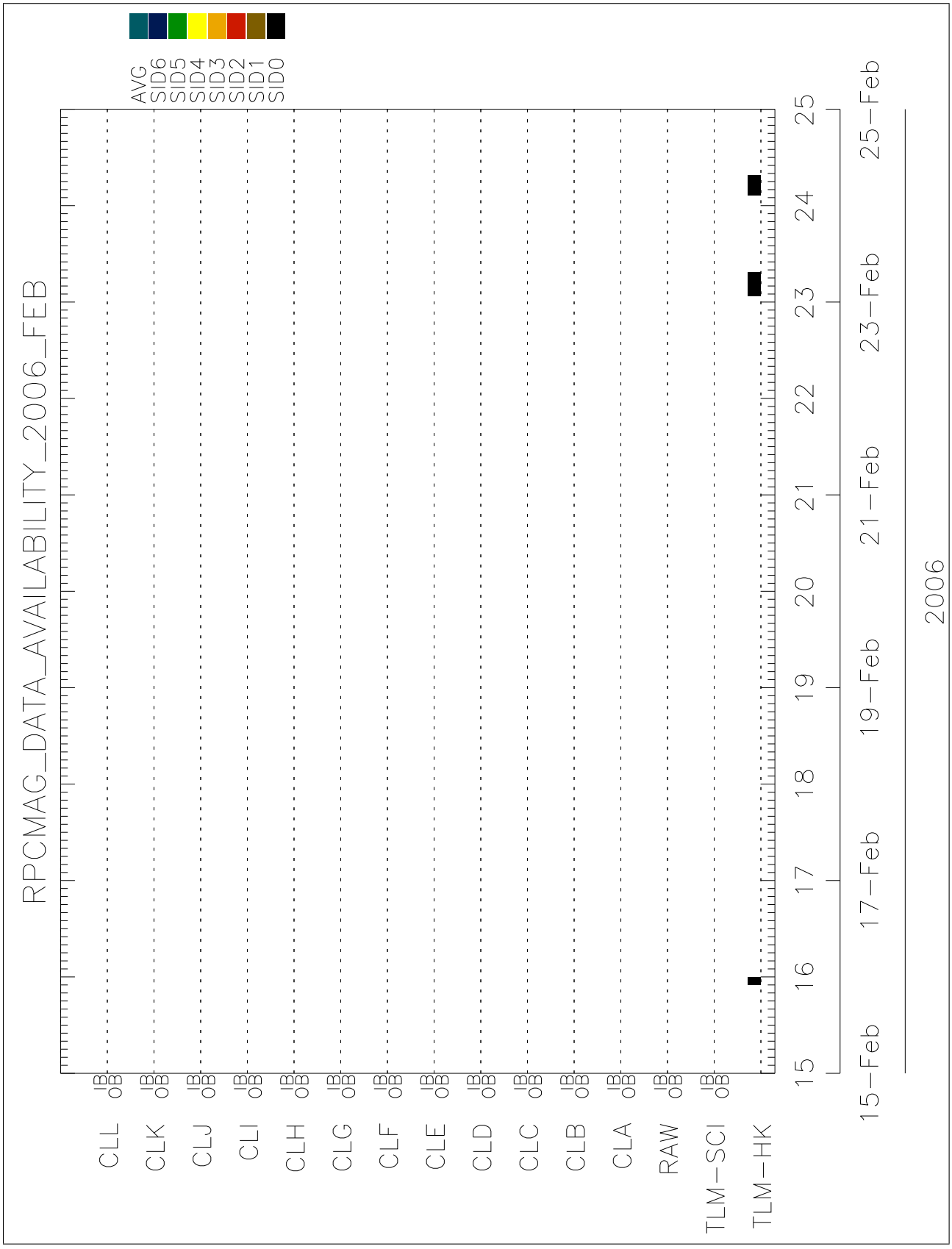


Figure 11: Overview February 2006

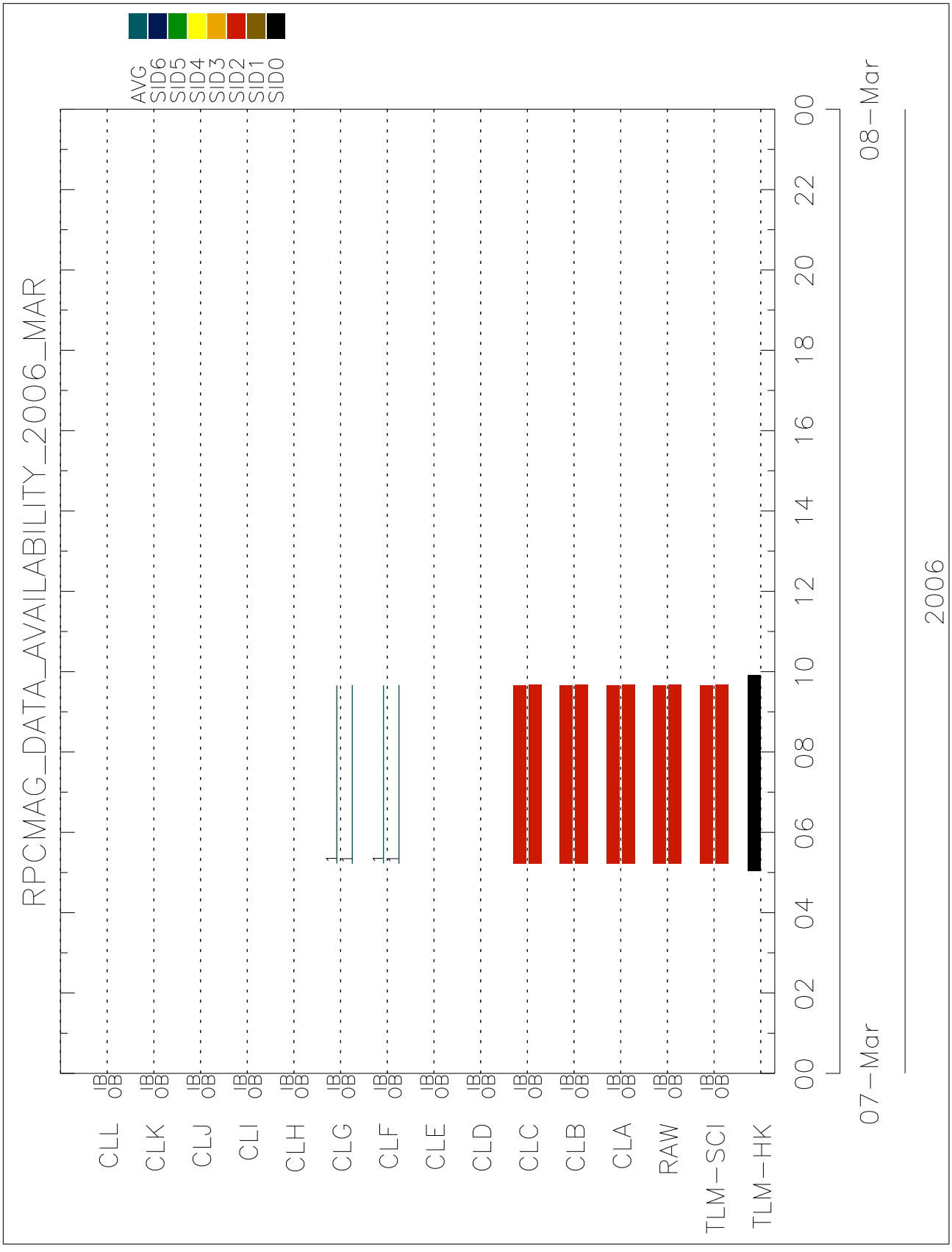
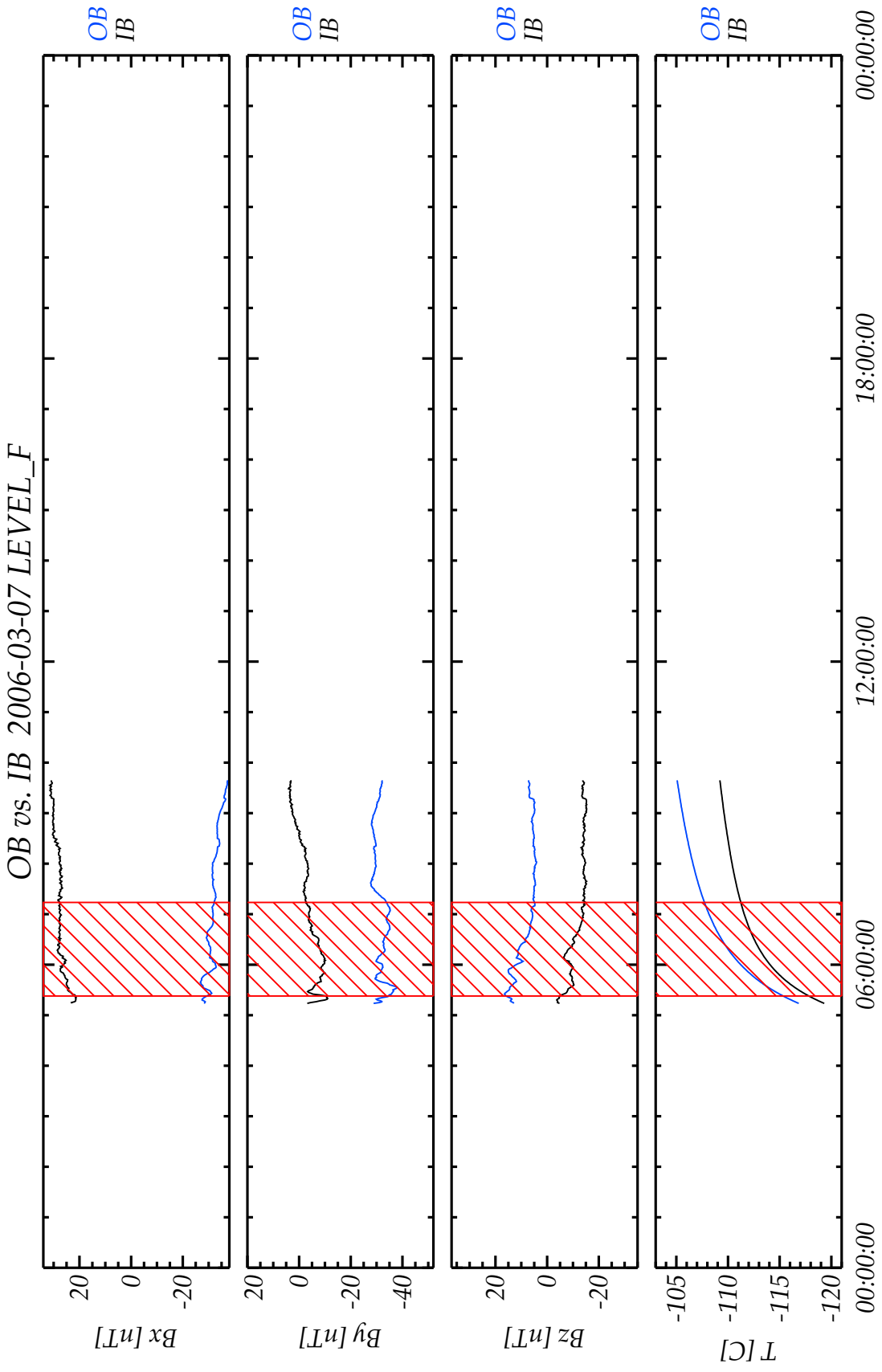
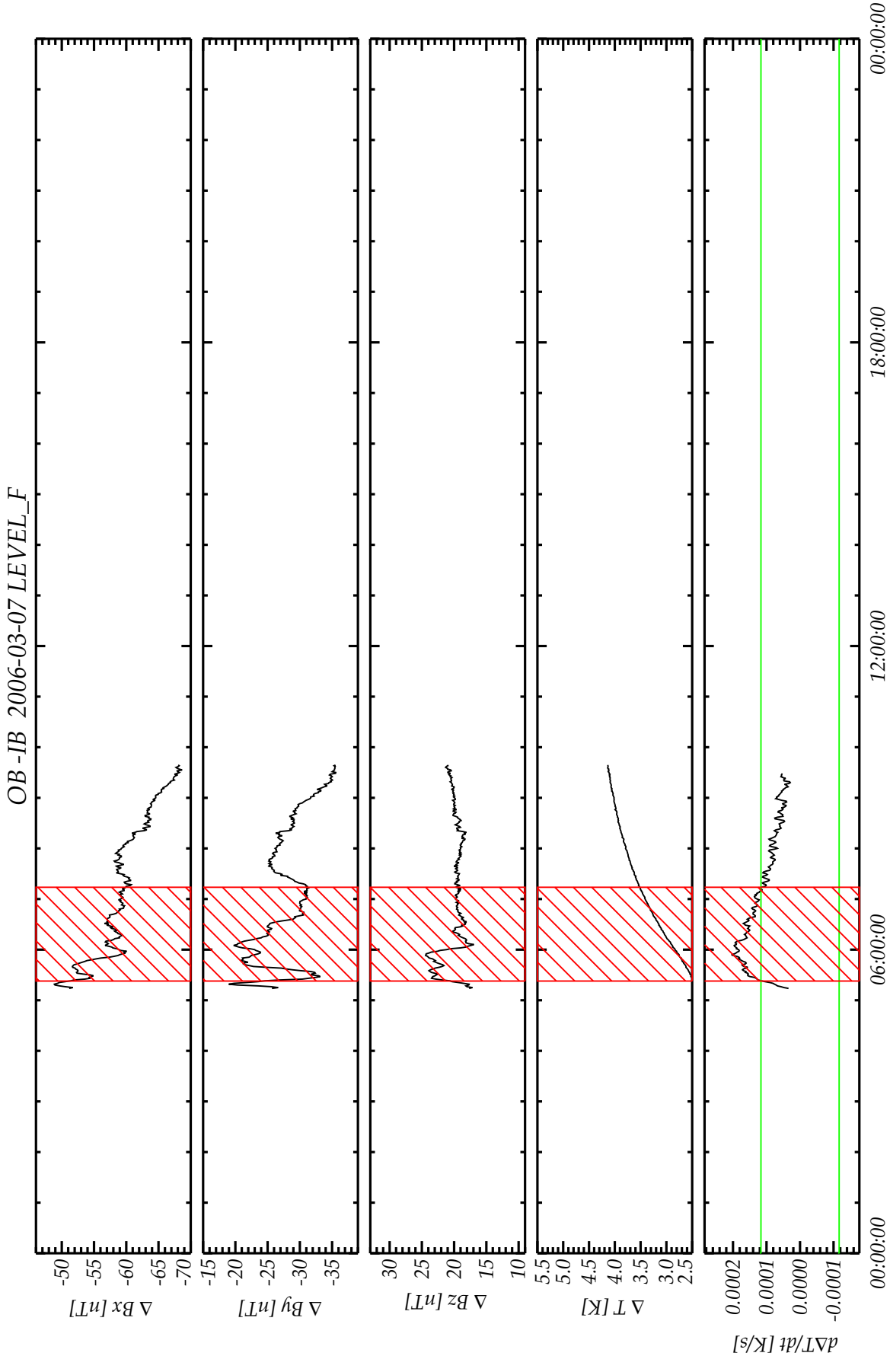


Figure 12: Overview March 2006

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


OB vs. IB 2006-03-07 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2006-03-07 LEVEL_F
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00
Δ Bx [nT]
-50
-55
-60
-65
-70
Δ By [nT]
-15
-20
-25
-30
-35
Δ Bz [nT]
30
25
20
15
10
Δ T [K]
5.5
5.0
4.5
4.0
3.5
3.0
2.5
dΔT/dt [K/s]
0.0002
0.0001
0.0000
-0.0001

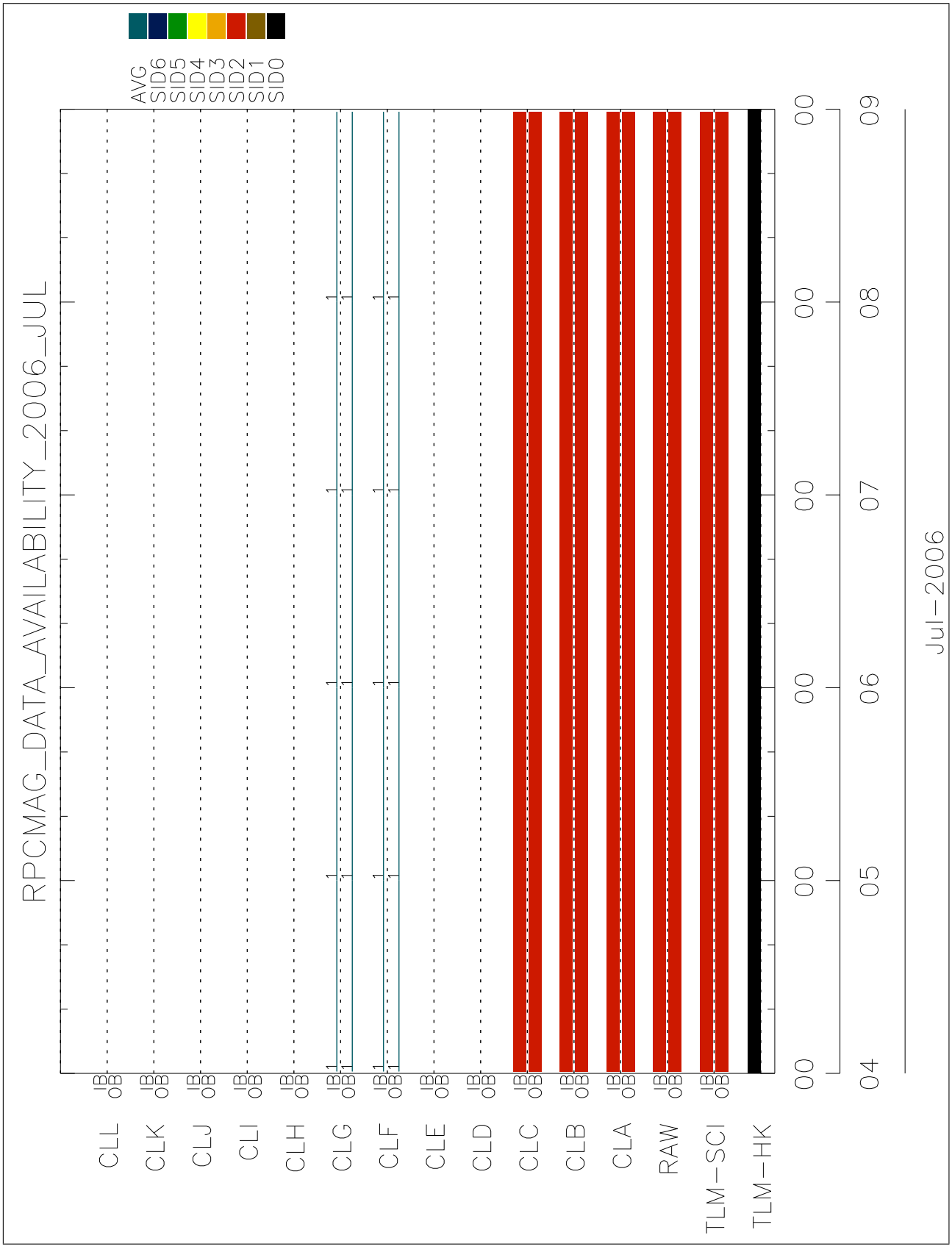
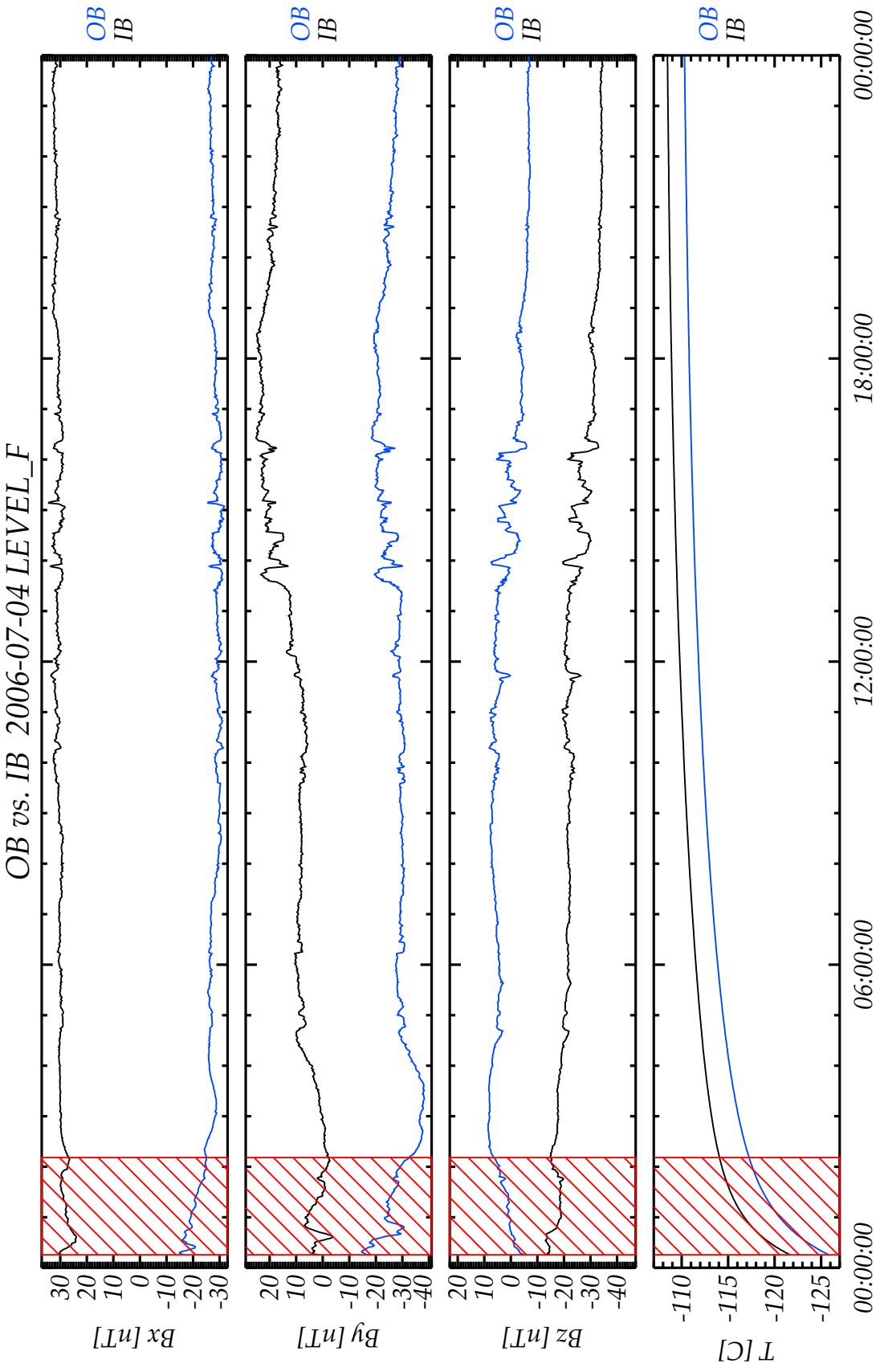
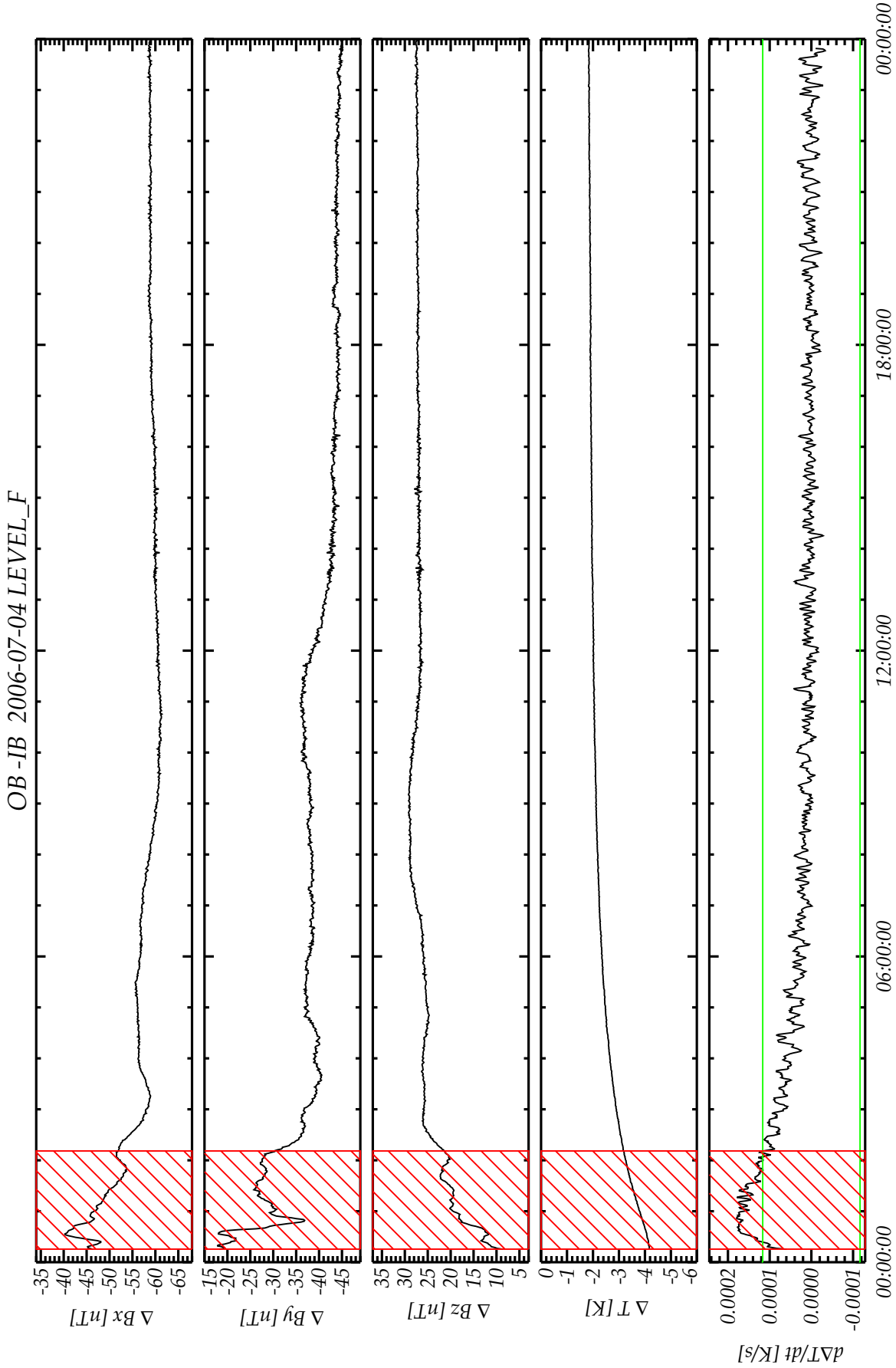
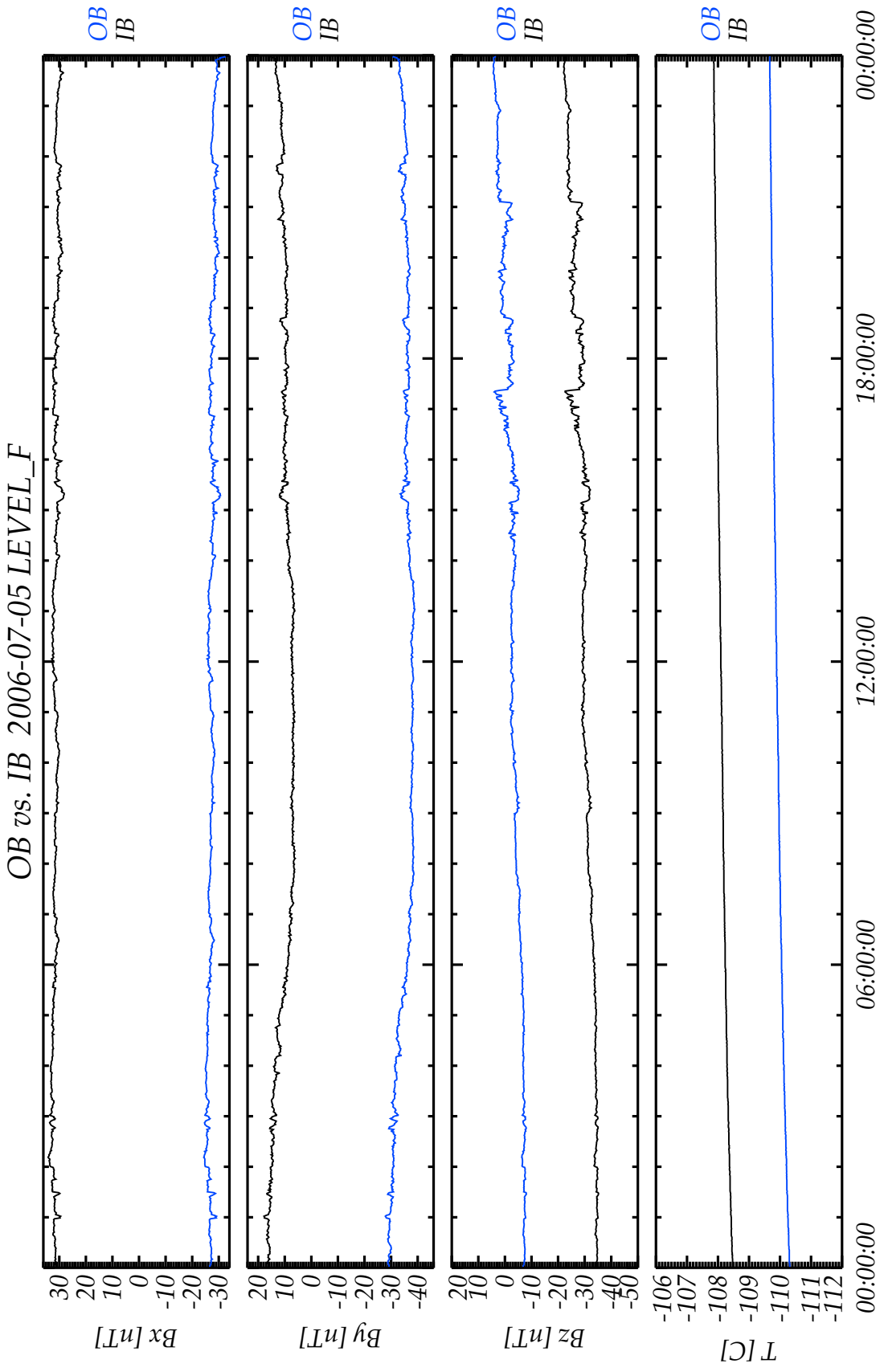


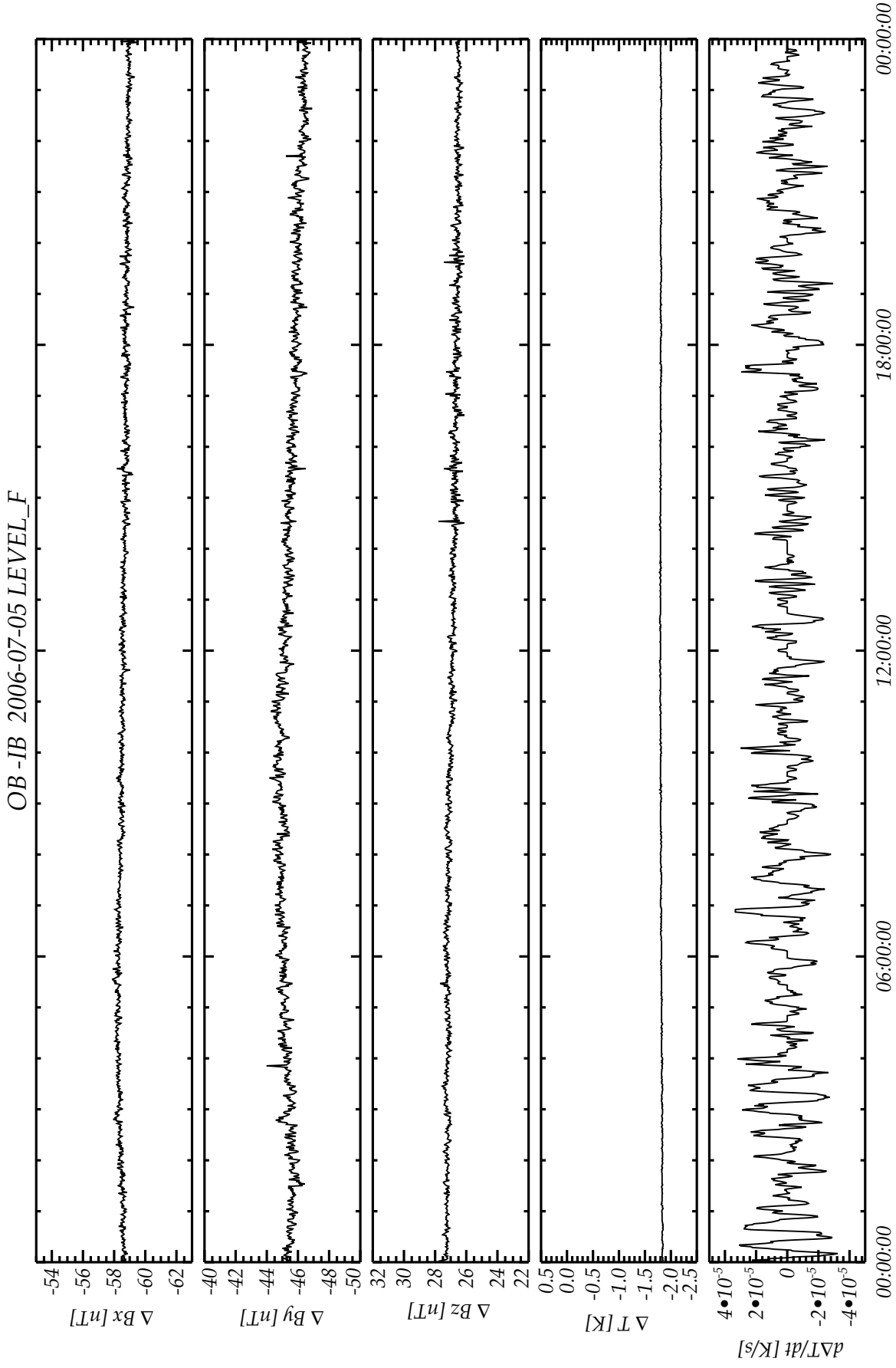
Figure 13: Overview February 2006

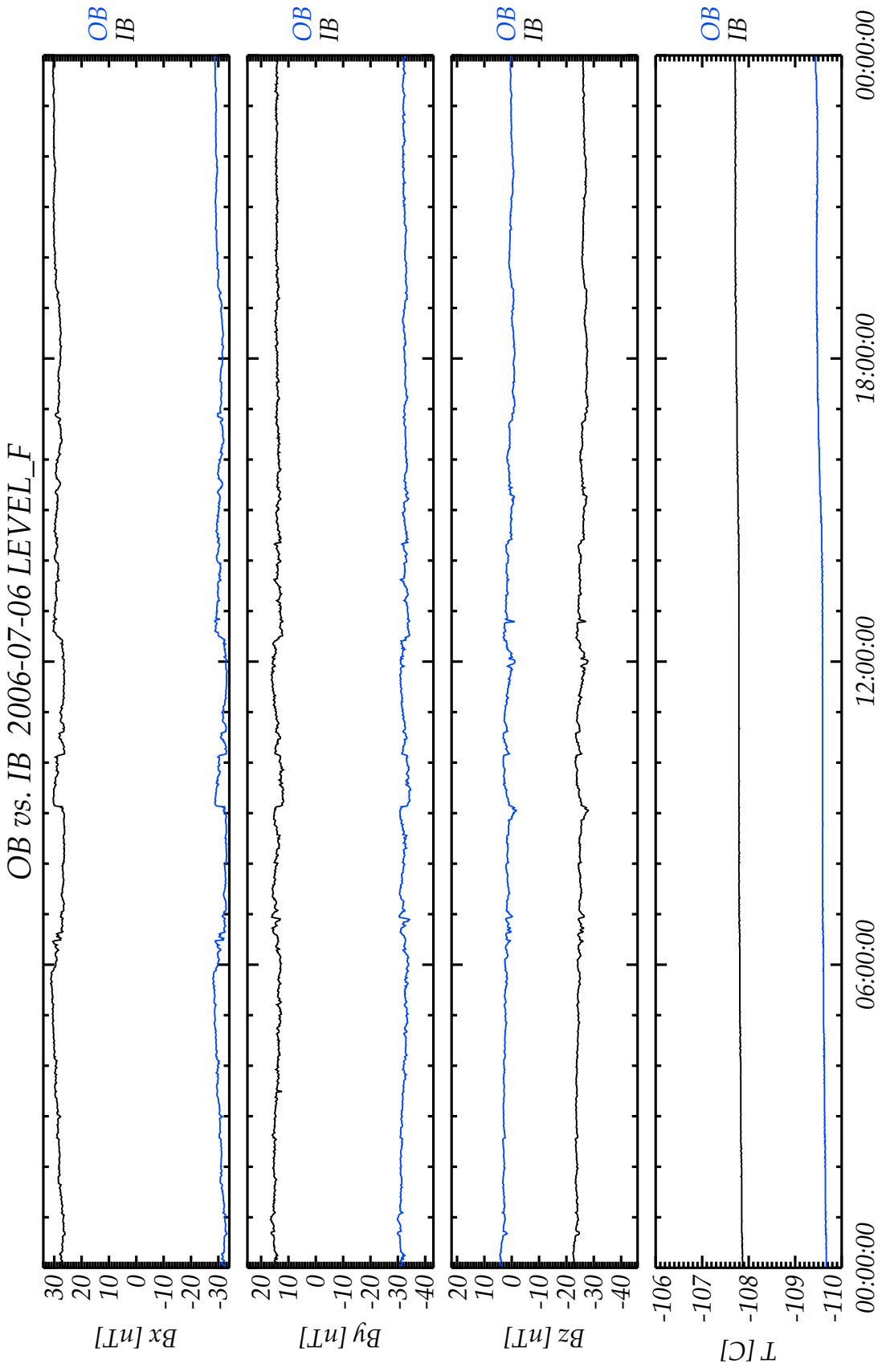
DATE	LEVEL	AVERAGE [s]	SENSOR
2006-07-04	CLF	1	OB
2006-07-04	CLG	1	OB
2006-07-04	CLG	1	IB
2006-07-04	CLF	1	IB
2006-07-05	CLG	1	OB
2006-07-05	CLF	1	OB
2006-07-05	CLG	1	IB
2006-07-05	CLF	1	IB
2006-07-06	CLF	1	OB
2006-07-06	CLG	1	OB
2006-07-06	CLG	1	IB
2006-07-06	CLF	1	IB
2006-07-07	CLF	1	OB
2006-07-07	CLG	1	OB
2006-07-07	CLF	1	IB
2006-07-07	CLG	1	IB
2006-07-08	CLG	1	OB
2006-07-08	CLF	1	OB
2006-07-08	CLG	1	IB
2006-07-08	CLF	1	IB

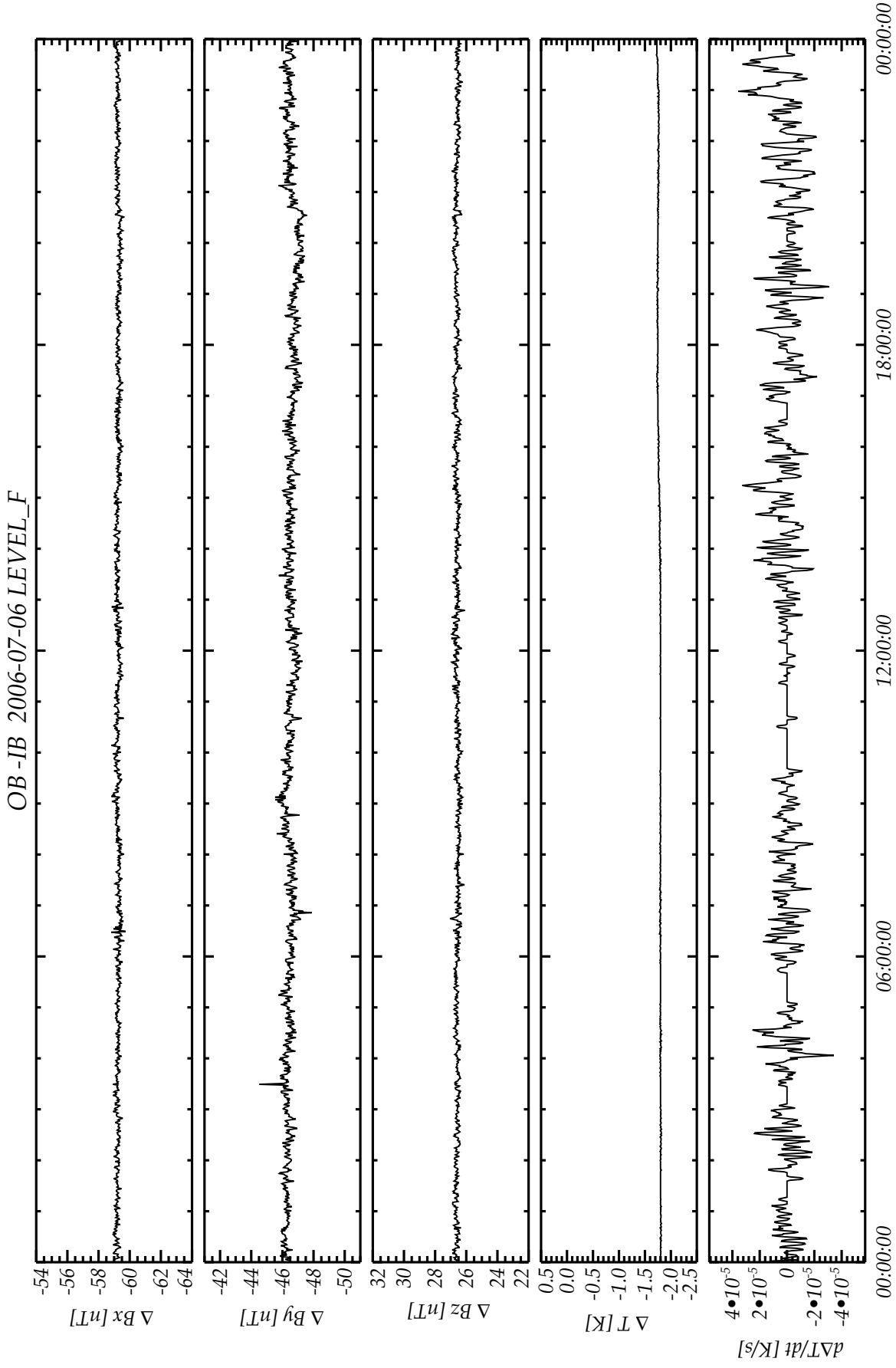

OB vs. IB 2006-07-04 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

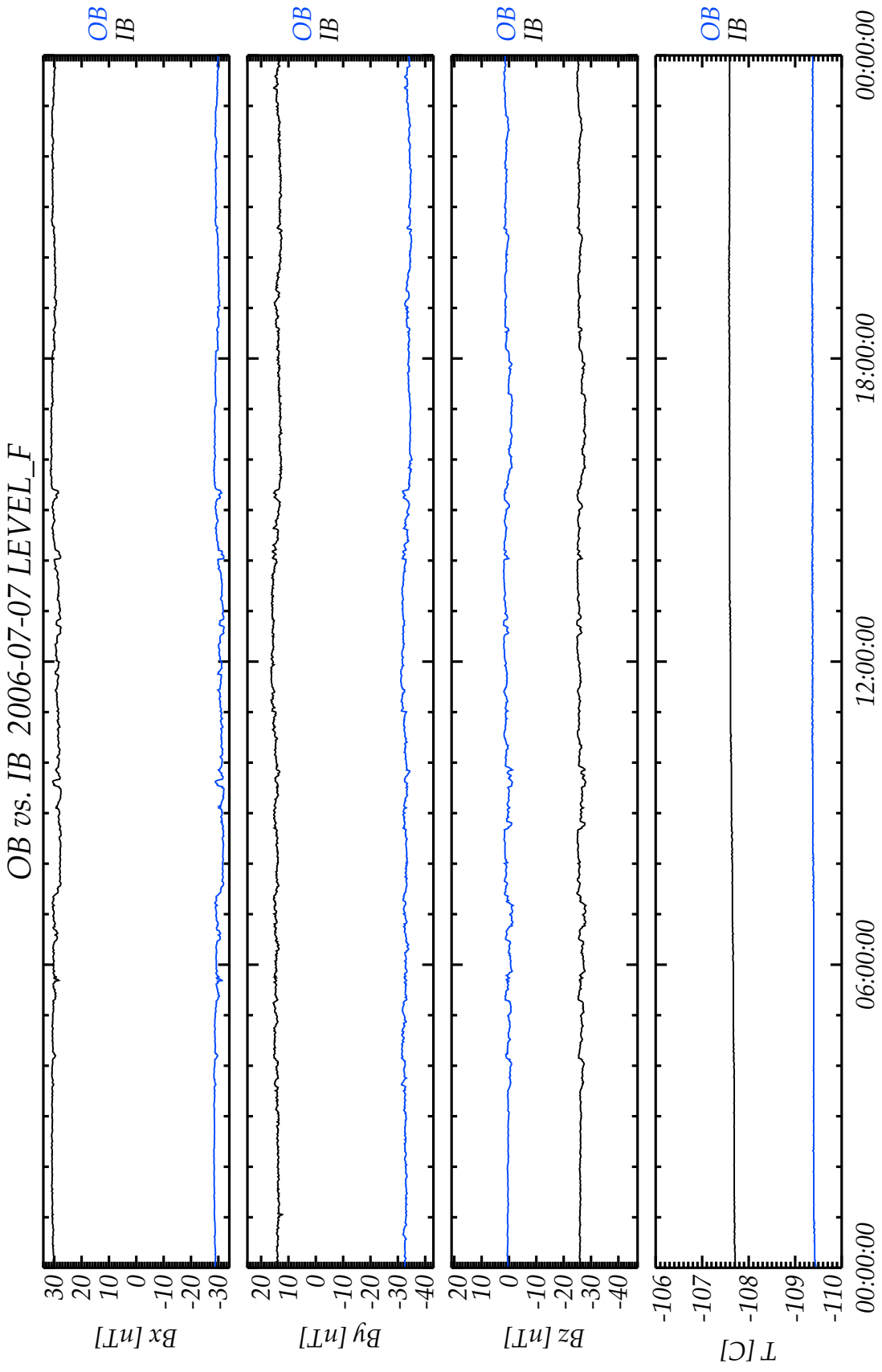

OB -IB 2006-07-04 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

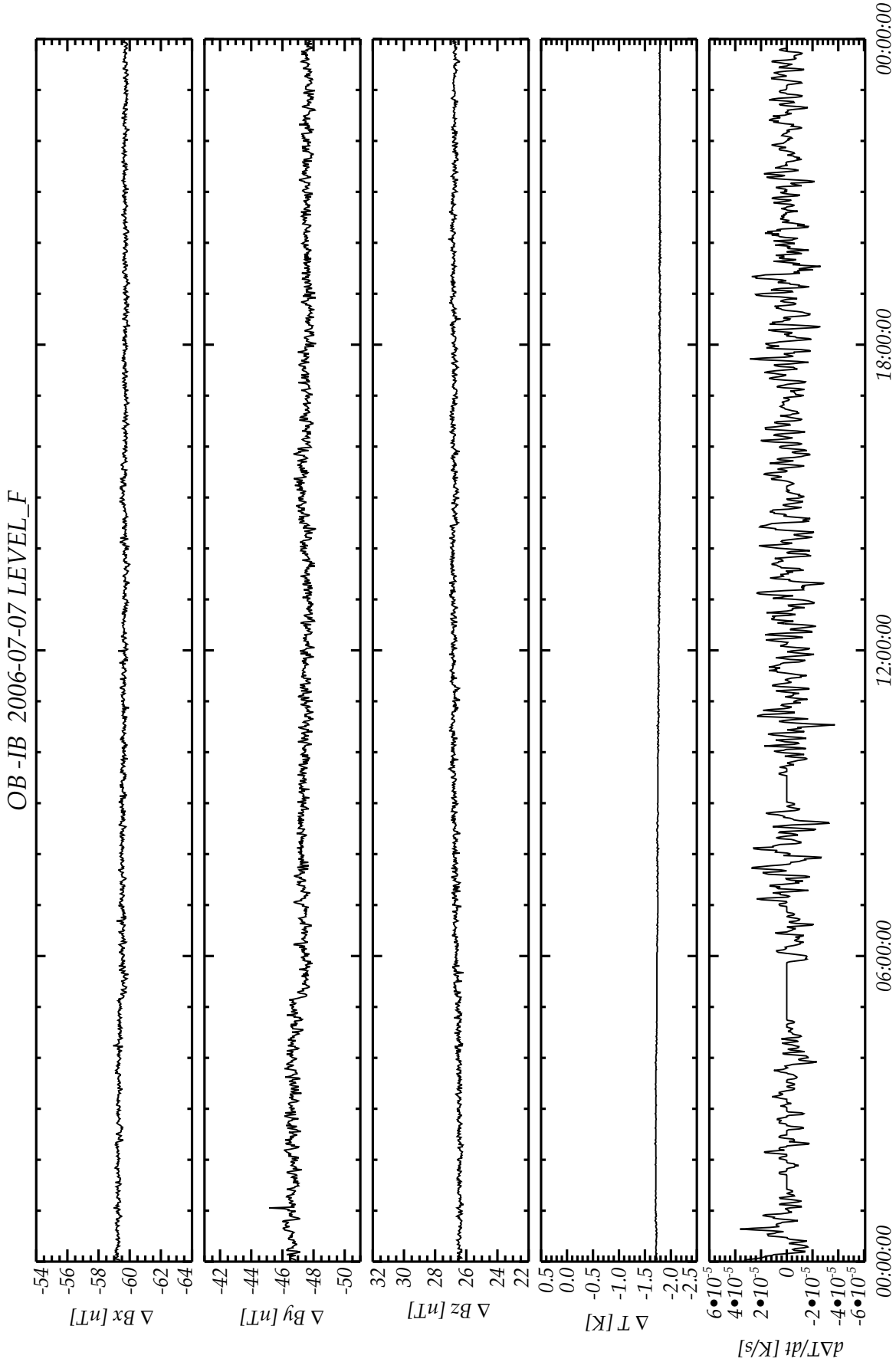

OB vs. IB 2006-07-05 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

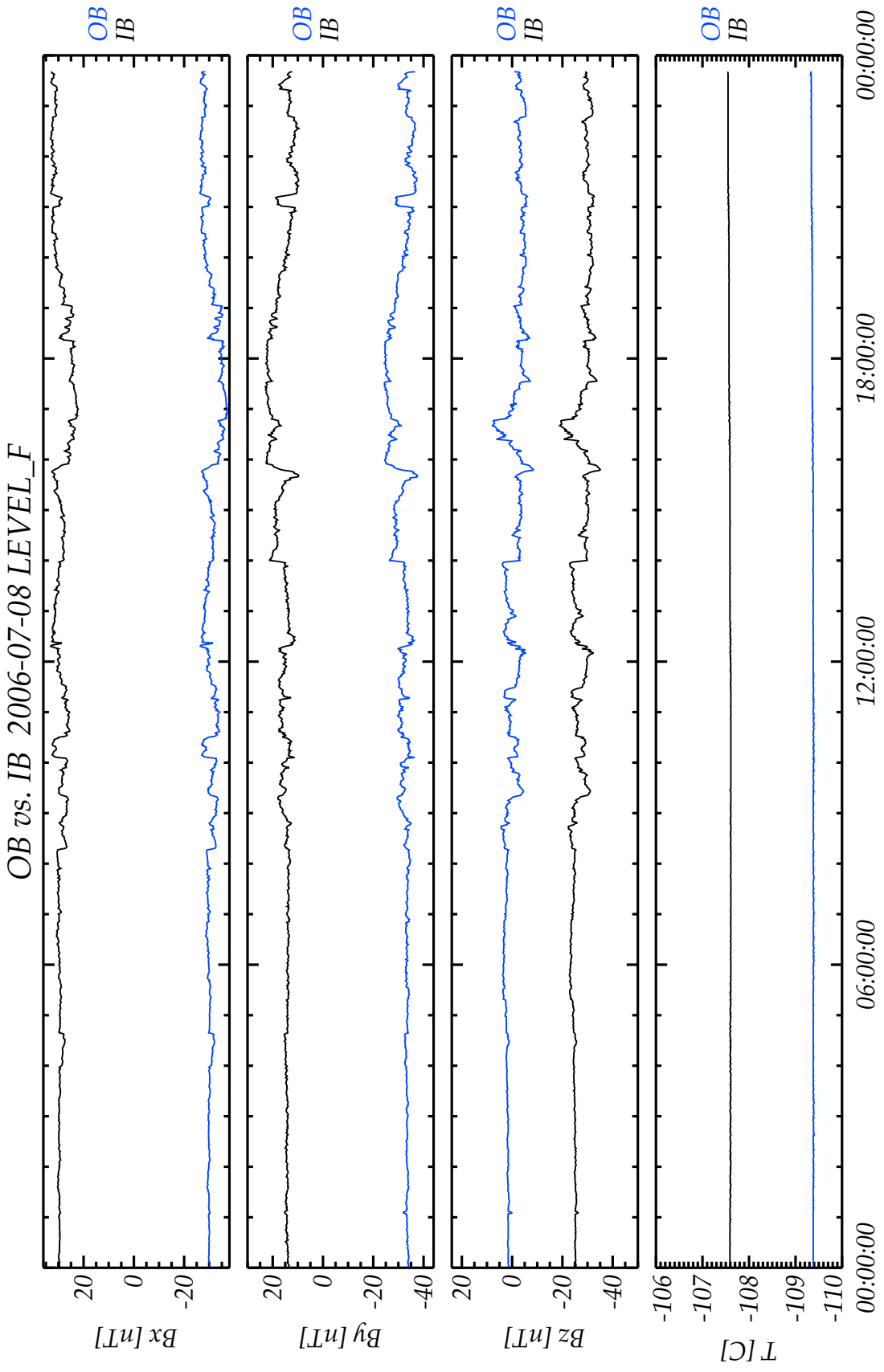

OB -IB 2006-07-05 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00

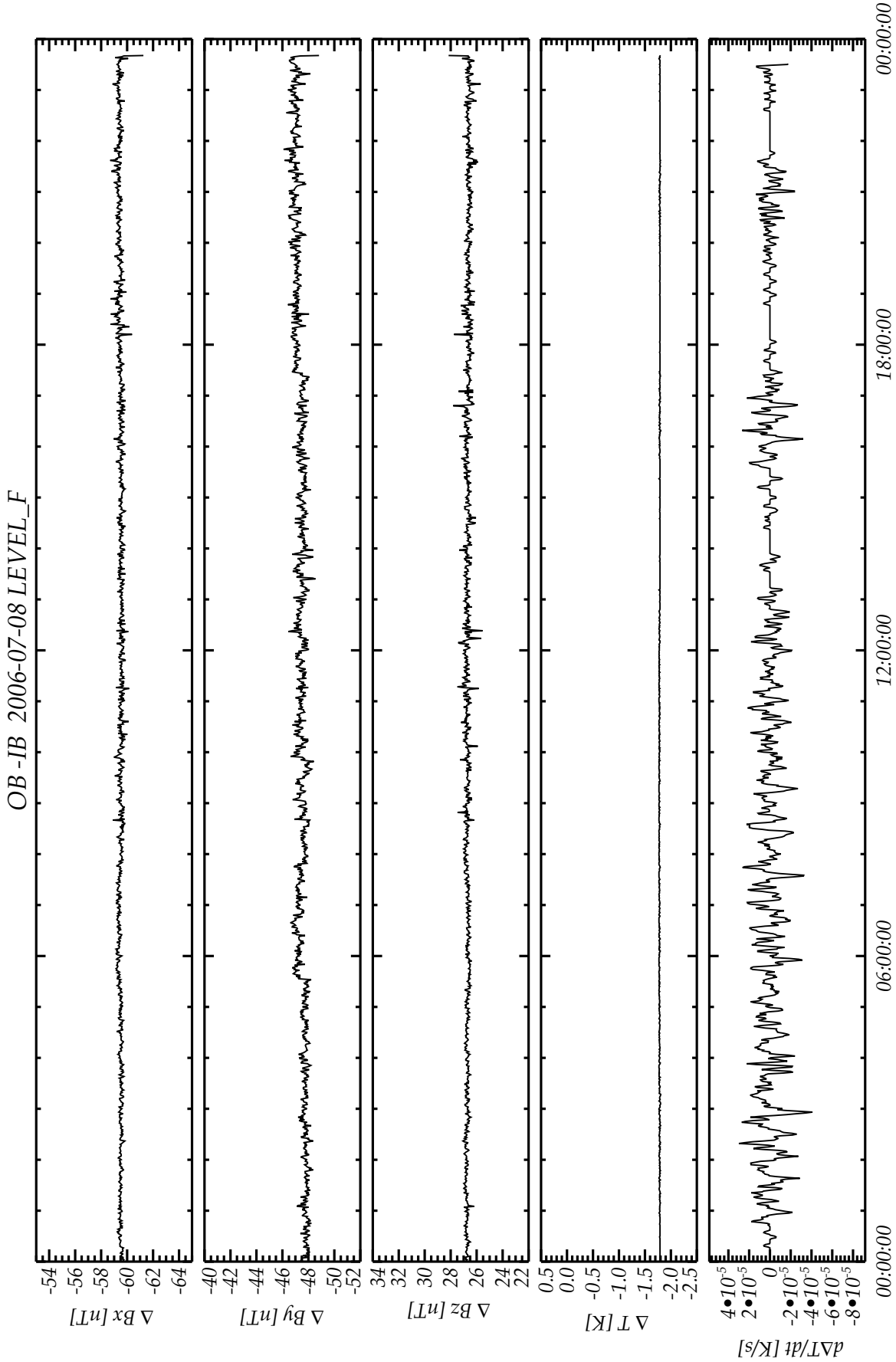

OB vs. IB 2006-07-06 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2006-07-06 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2006-07-07 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2006-07-07 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB vs. IB 2006-07-08 LEVEL_F
OB
IB
Bx [nT]
By [nT]
Bz [nT]
T [C]
20
0
-20
-40
-106
-107
-108
-109
-110
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00


OB -IB 2006-07-08 LEVEL_F
Δ Bx [nT]
Δ By [nT]
Δ Bz [nT]
Δ T [K]
dΔT/dt [K/s]
00:00:00
06:00:00
12:00:00
18:00:00
00:00:00