

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

RO-IGEP-TR-0031

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OVERVIEW OF
AVAILABLE RPCMAG DATA
AND
DATA QUALITY ASSESSMENT

Mission Phases: CR4B
Time Period: December 2008 - February 2009

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1 Introduction

This document contains information about all available data and its quality for the time period between December, 2008 until February 2009. This covers this Mission Phase CR4B which is also called CRUISE 4-2.

This time interval covers the Active Checkout PC9 in January/February 2009.

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

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

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 2009

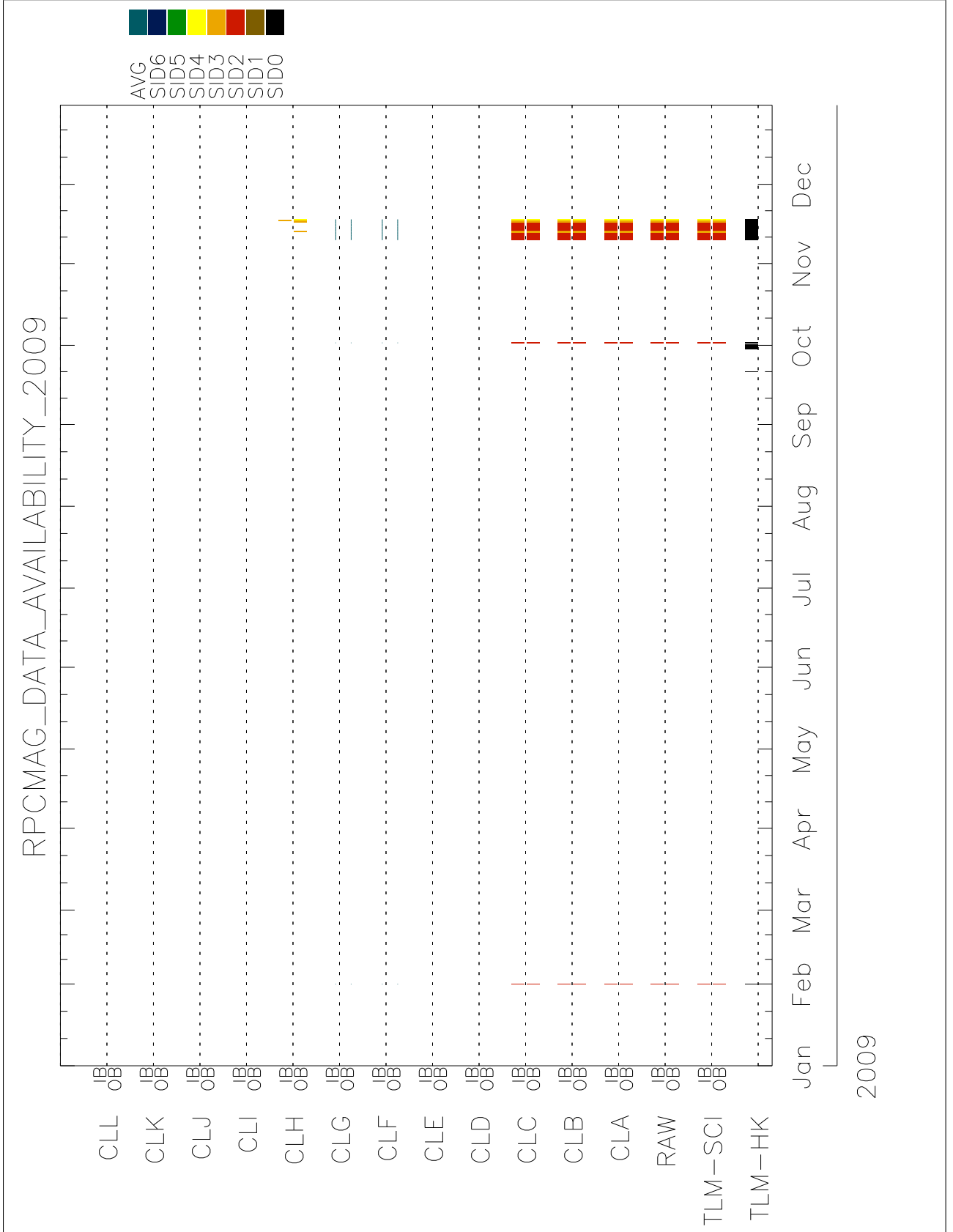


Figure 1: Overview 2009

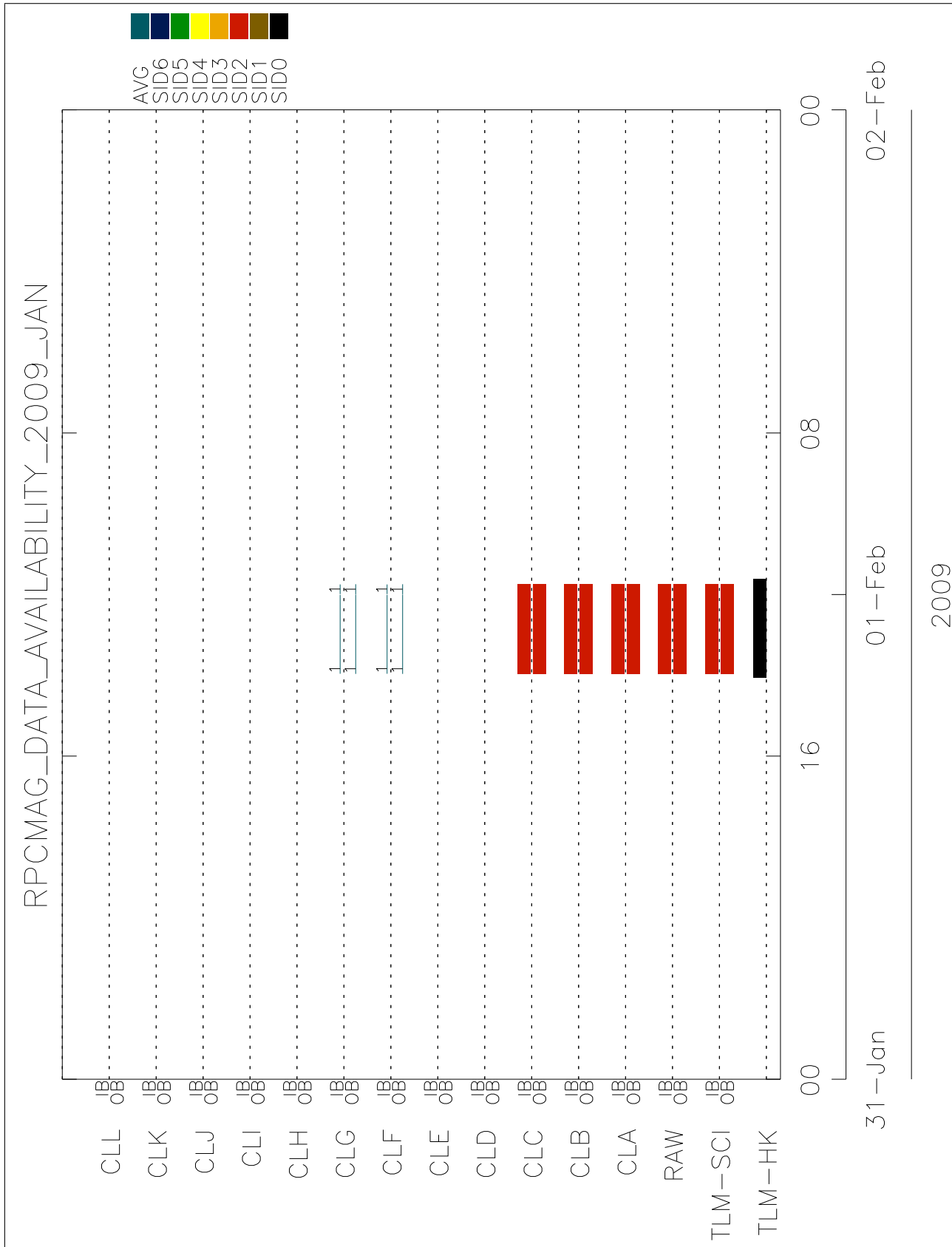


Figure 2: Overview January/February 200

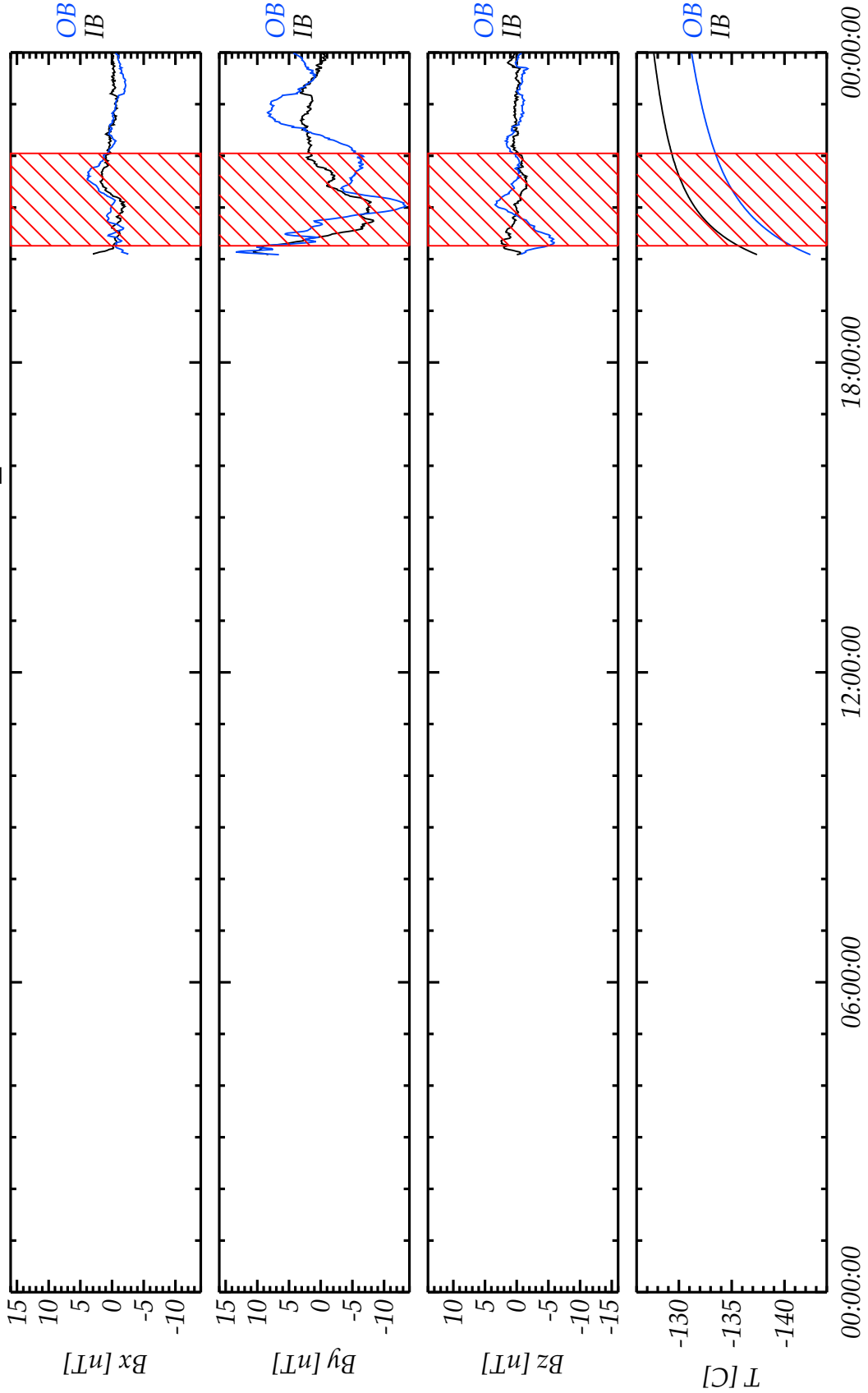
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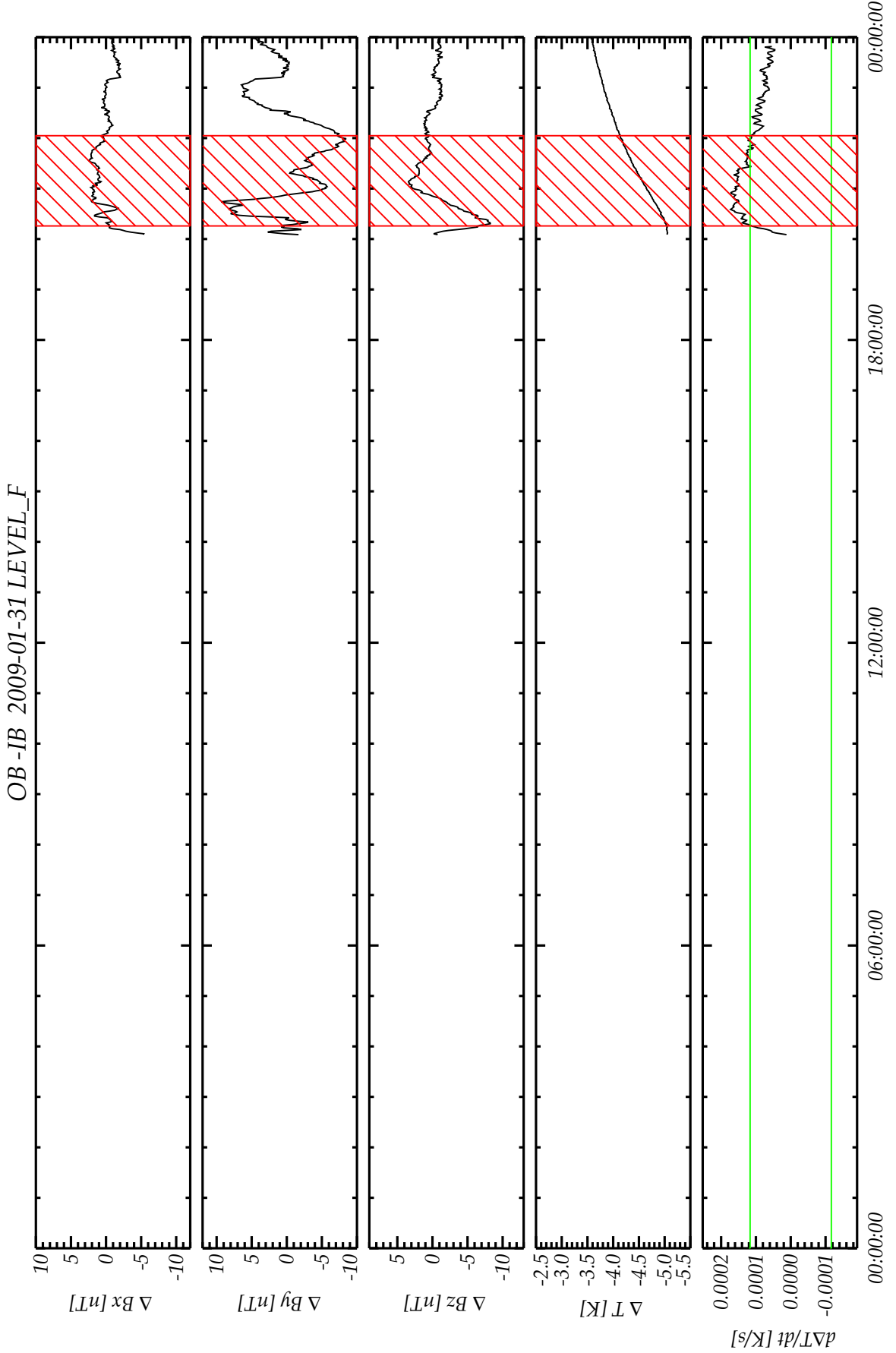
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DATE	LEVEL	AVERAGE [s]	SENSOR
2009-01-31	CLF	1	OB
2009-01-31	CLG	1	OB
2009-01-31	CLG	1	IB
2009-01-31	CLF	1	IB
2009-02-01	CLG	1	OB
2009-02-01	CLF	1	OB
2009-02-01	CLF	1	IB
2009-02-01	CLG	1	IB

OB vs. IB 2009-01-31 LEVEL_F





OB vs. IB 2009-02-01 LEVEL_F

