

# 0. SCIAMACHY Daily Report for level 0 products

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## 0.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 0 data (The SCI\_NL\_\_0P product).

### 0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.3 20060731
Time of report generation	27NOV2006 04:26:21
Data source version	PFHS/5.37-N
Processing scope for products	23NOV2006 00:00:00 to 24NOV2006 00:00:00
Start time of first product within scope	23NOV2006 05:58:42
Stop time of last product within scope	23NOV2006 10:13:05
Total number of level 0 products	3
Number of level 0 products with errors	3

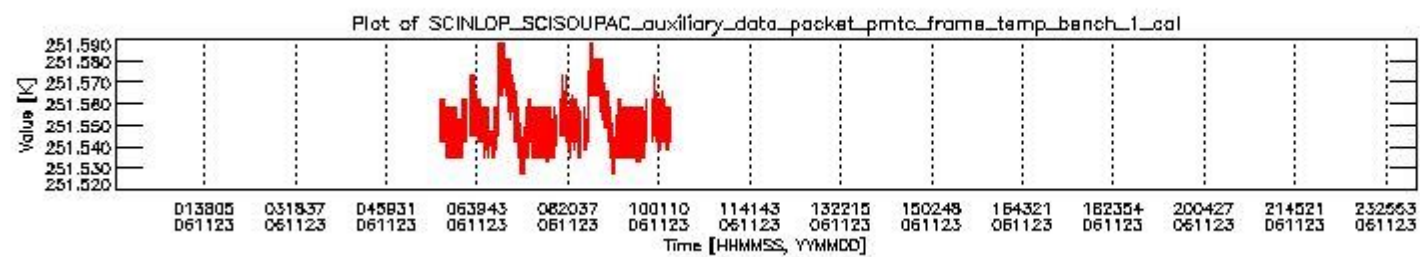
### 0.1.2 Summary per product

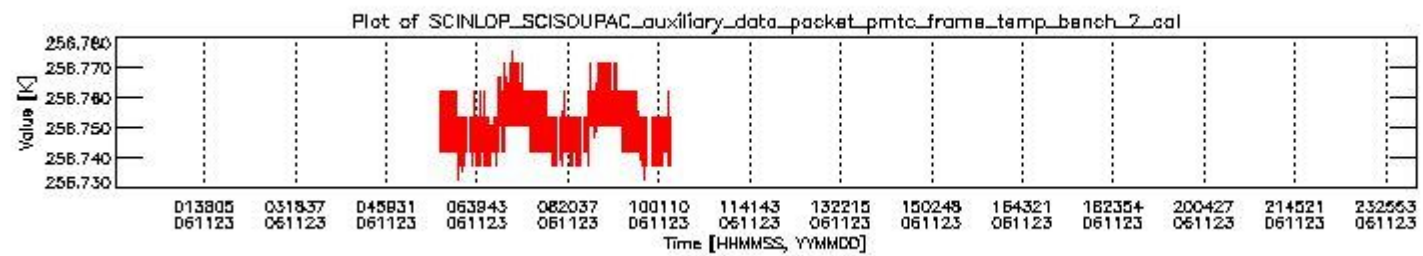
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061123_055842_000041132053_00134_24737_1457.N1	23NOV2006 05:58:42	23NOV2006 07:07:16	1	0	1	0	0
1	SCI_NL__0PNPDK20061123_070608_000060922053_00135_24738_1458.N1	23NOV2006 07:06:08	23NOV2006 08:47:40	1	0	1	0	0
2	SCI_NL__0PNPDK20061123_084548_000052372053_00136_24739_1459.N1	23NOV2006 08:45:48	23NOV2006 10:13:05	1	0	1	0	0

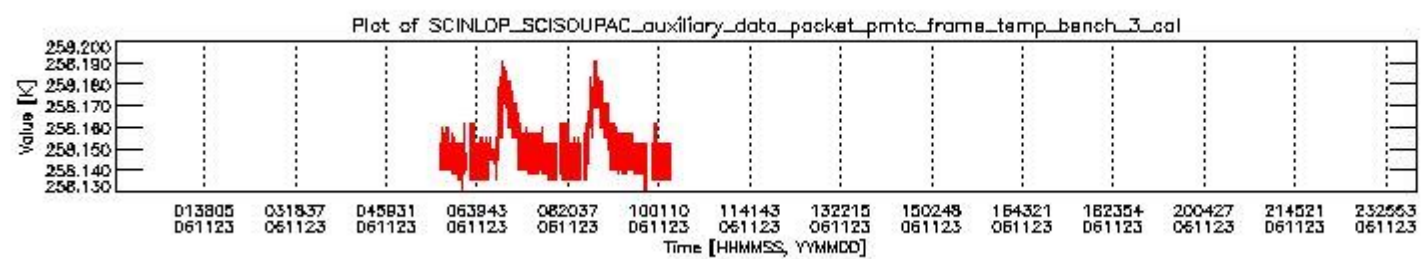
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

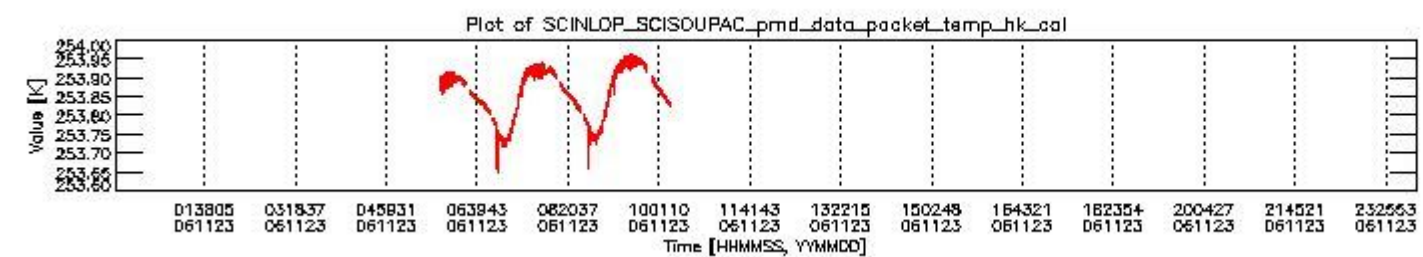




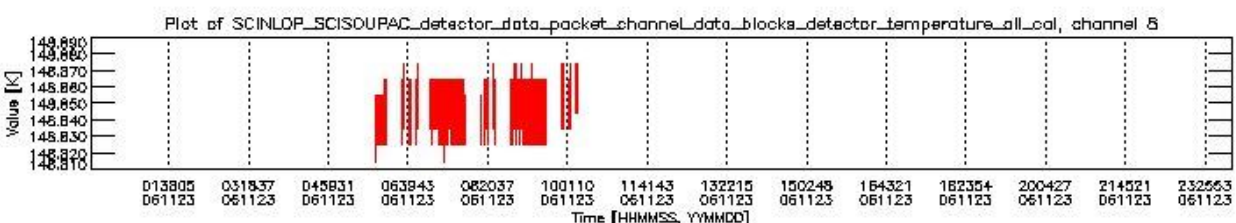
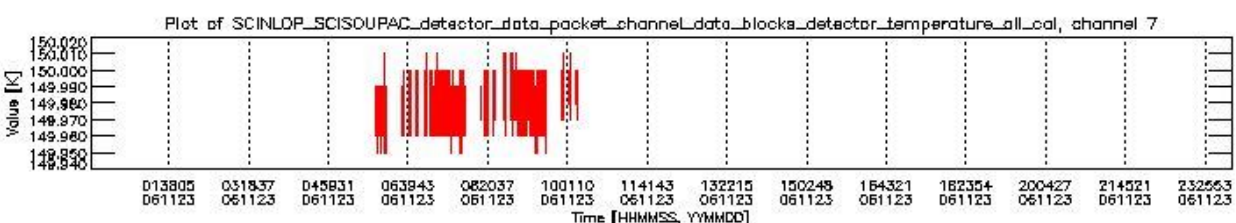
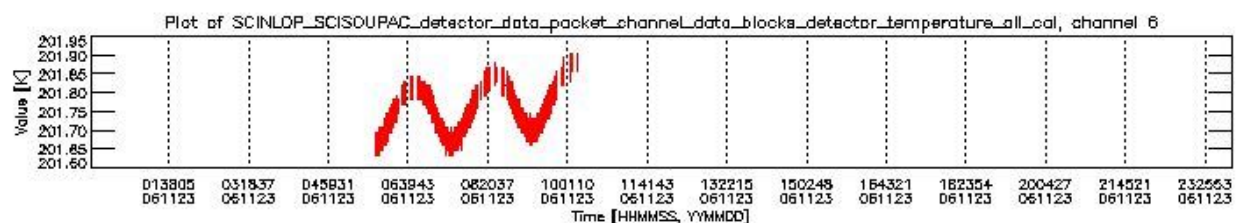
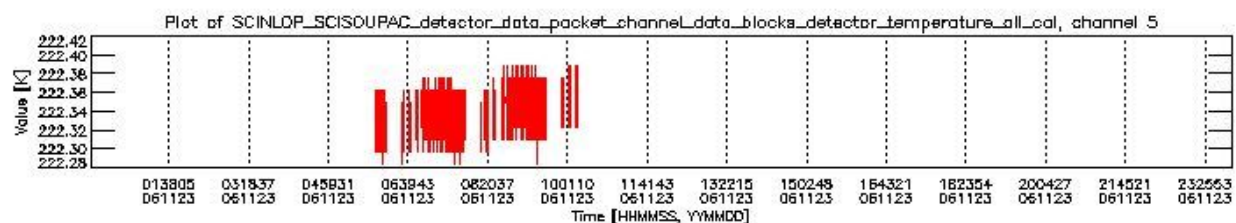
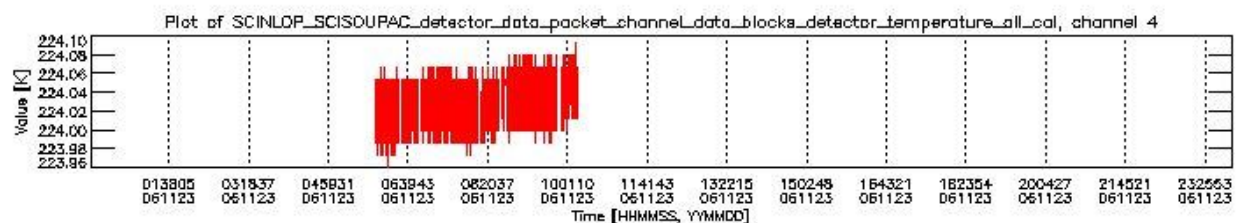
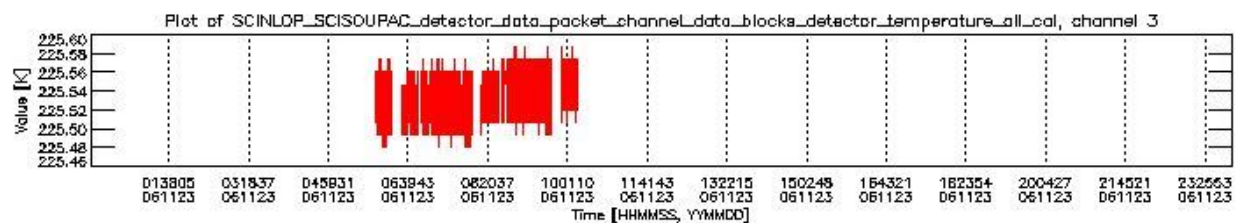
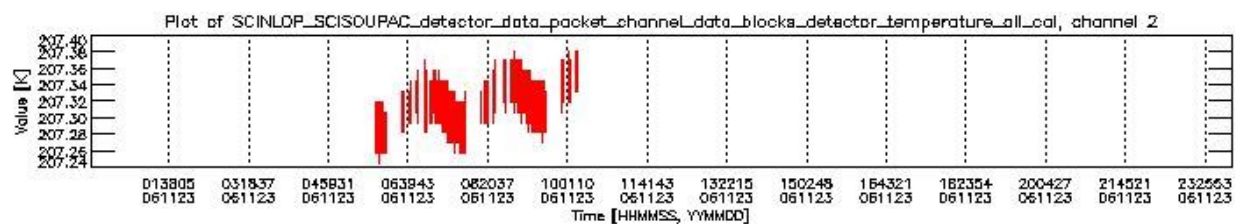
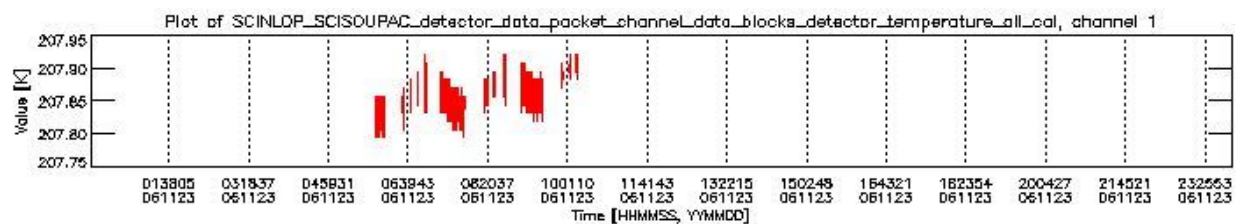
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061123\_1.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061123\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061123\_3.PNG

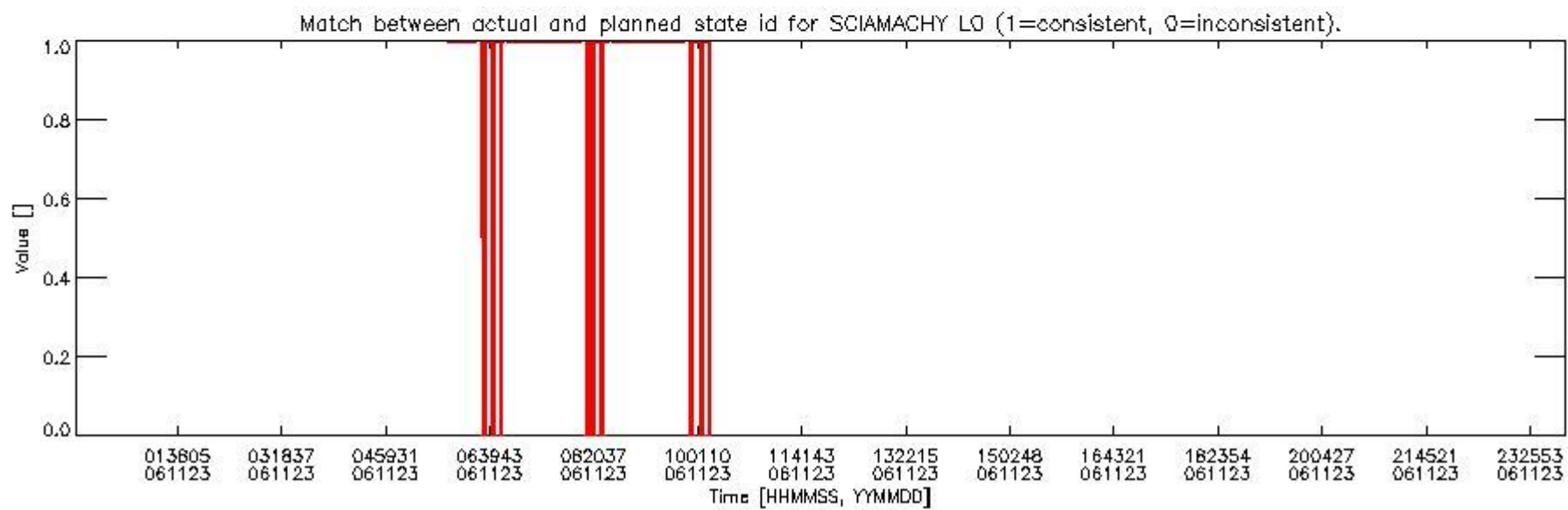
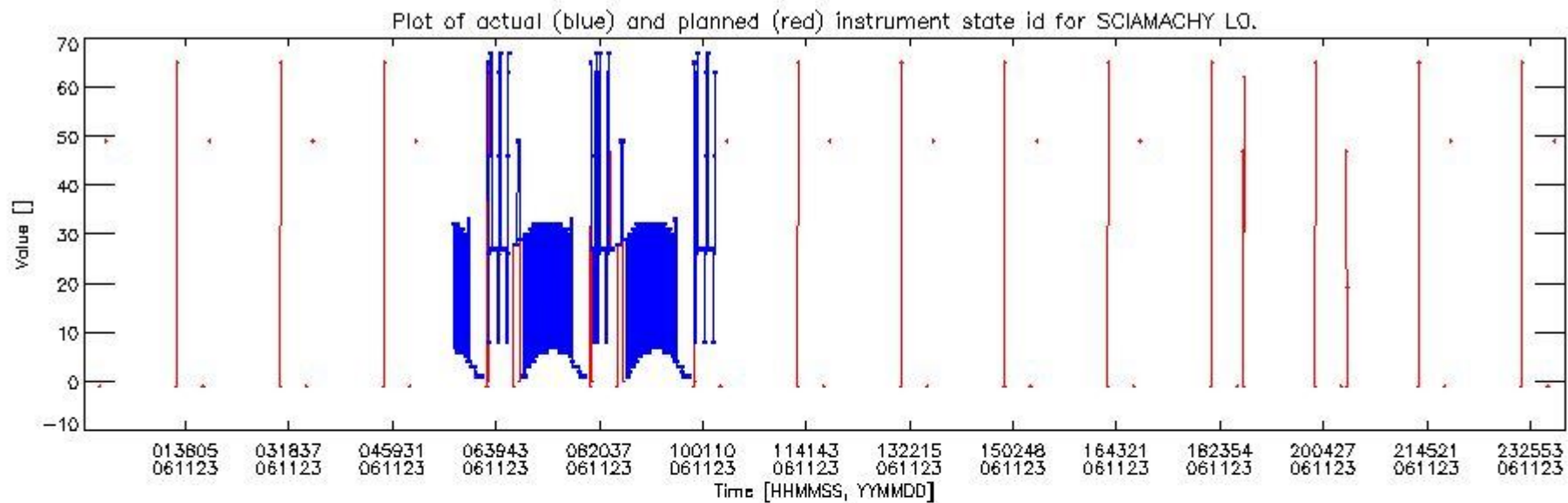


### 0.3 State monitoring

The following section shows a comparison of modelled instrument state (as calculated by the DMOP planning files and using CTI tables to derive state) and the measured state variables from the L0 product (the SCINL0P\_SCISOUPAC\_state\_id variable).

Total number of faults: **51**

#	Actual time	Actual value	Planned time	Planned value
0	23NOV2006 06:32:26.010084	8	23NOV2006 06:32:26.010084	0
1	23NOV2006 06:33:09.568689	26	23NOV2006 06:33:09.568689	8
2	23NOV2006 06:33:43.127268	46	23NOV2006 06:33:43.127268	26
3	23NOV2006 06:33:56.685875	63	23NOV2006 06:33:56.685875	46
4	23NOV2006 06:34:30.244454	67	23NOV2006 06:34:30.244454	63
5	23NOV2006 06:35:53.806946	27	23NOV2006 06:35:53.806946	67
6	23NOV2006 06:41:46.271781	8	23NOV2006 06:41:46.271781	27
7	23NOV2006 06:42:29.834289	26	23NOV2006 06:42:29.834289	8
8	23NOV2006 06:43:03.392867	46	23NOV2006 06:43:03.392867	26
9	23NOV2006 06:43:16.947531	63	23NOV2006 06:43:16.947531	46
10	23NOV2006 06:43:50.506150	67	23NOV2006 06:43:50.506150	63
11	23NOV2006 06:45:14.072545	27	23NOV2006 06:45:14.072545	67
12	23NOV2006 06:50:22.482701	8	23NOV2006 06:50:22.482701	27
13	23NOV2006 06:51:06.041265	26	23NOV2006 06:51:06.041265	8
14	23NOV2006 06:51:39.599884	46	23NOV2006 06:51:39.599884	26
15	23NOV2006 06:51:53.158451	63	23NOV2006 06:51:53.158451	46
16	23NOV2006 06:52:26.713127	67	23NOV2006 06:52:26.713127	63
17	23NOV2006 08:13:02.244131	27	23NOV2006 08:13:02.244131	0
18	23NOV2006 08:15:14.419918	8	23NOV2006 08:15:14.419918	27
19	23NOV2006 08:15:57.978483	26	23NOV2006 08:15:57.978483	8
	...	...	...	...



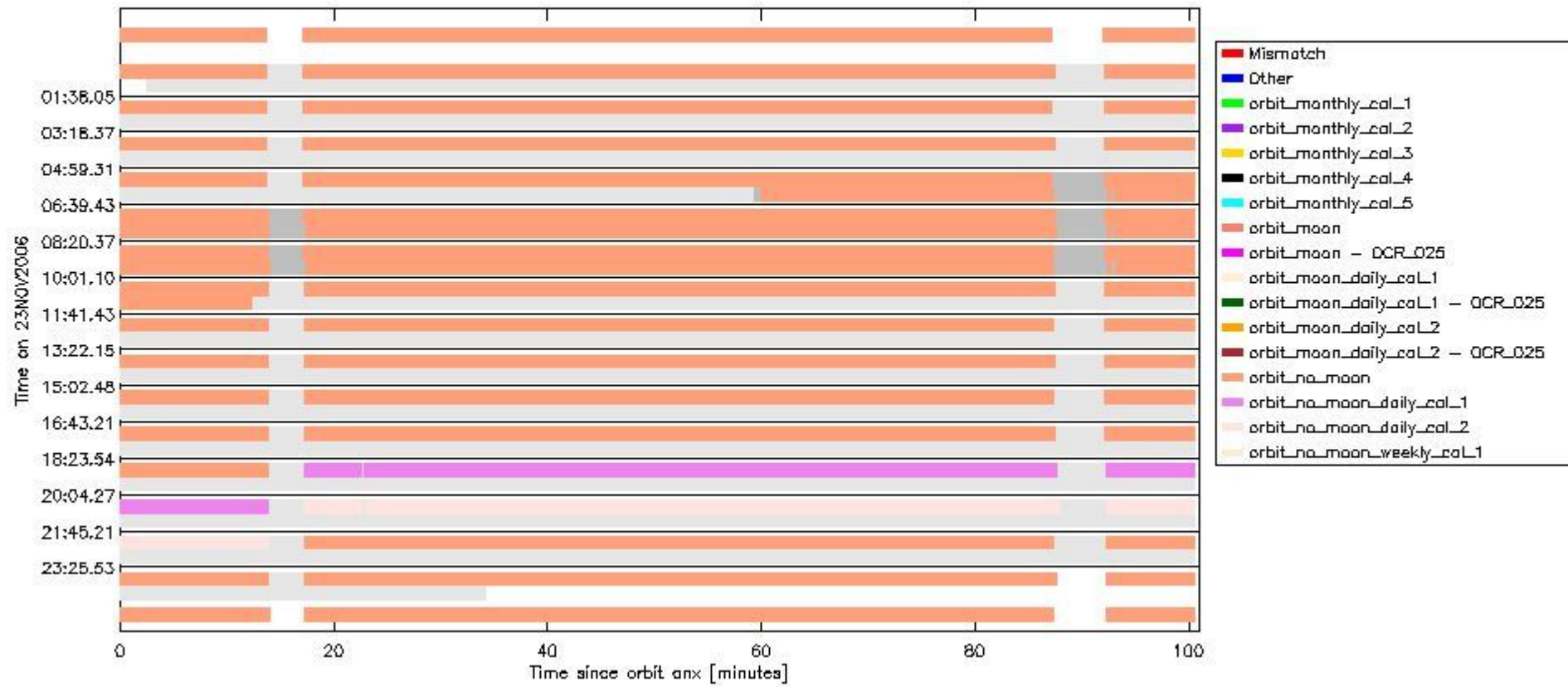
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061123\_5.PNG

This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI\_NL\_\_1P products.

The following plot gives an overview of planned activities and actual state ids in the Level 0 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.



Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 23NOV2006.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.



sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20061123\_6.PNG

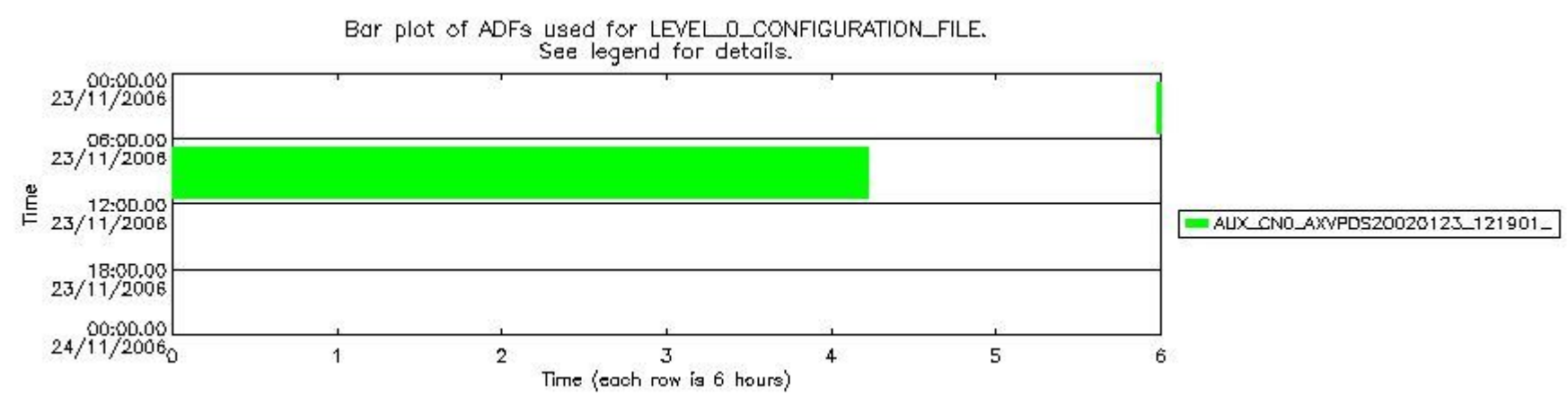
## 0.4 ADF monitoring

This section shows the (variation in) ADFs used for each of the products. It consists of:

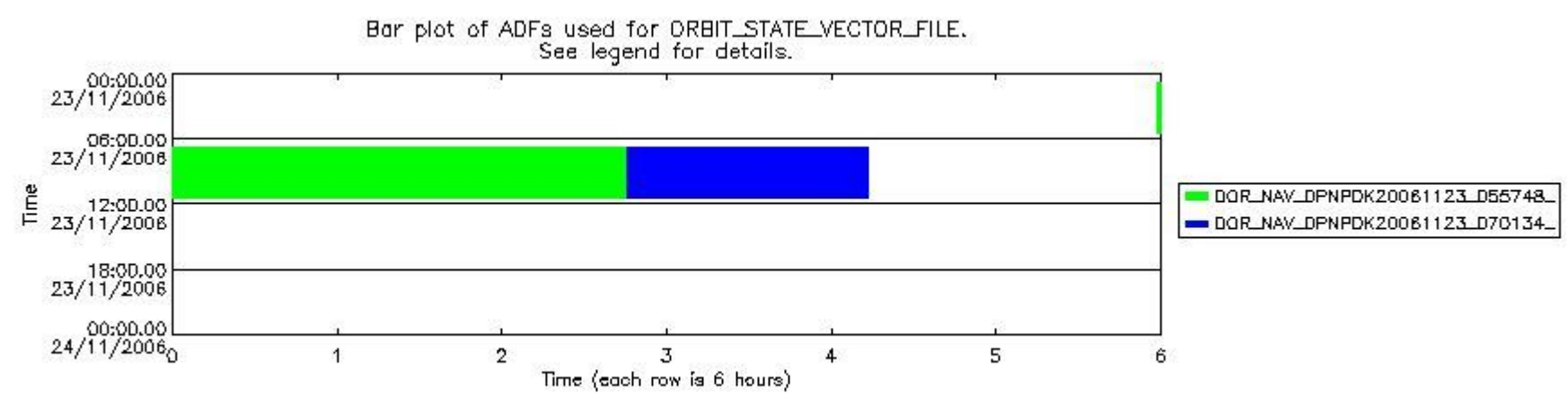
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

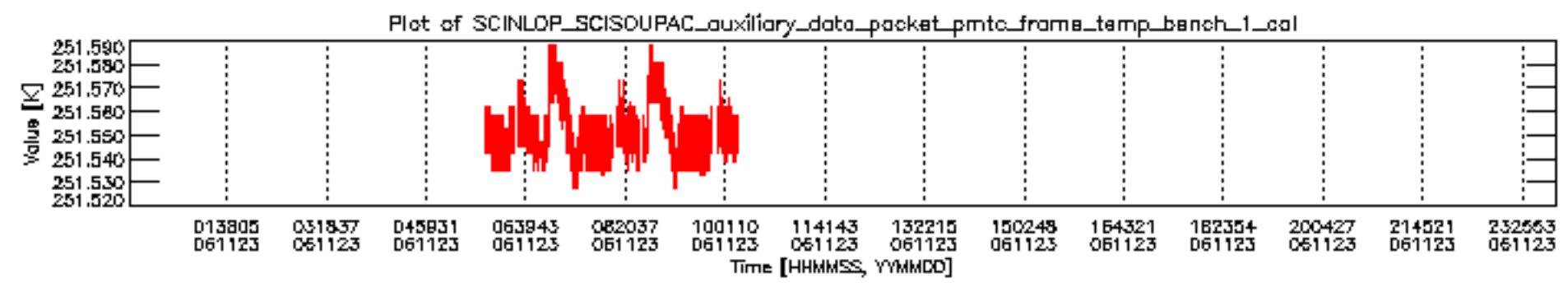
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	DOR_NAV_OPNPDK20061123_055748_000038252053_00134_24737_1480.N1
2	DOR_NAV_OPNPDK20061123_070134_000057382053_00135_24738_1481.N1



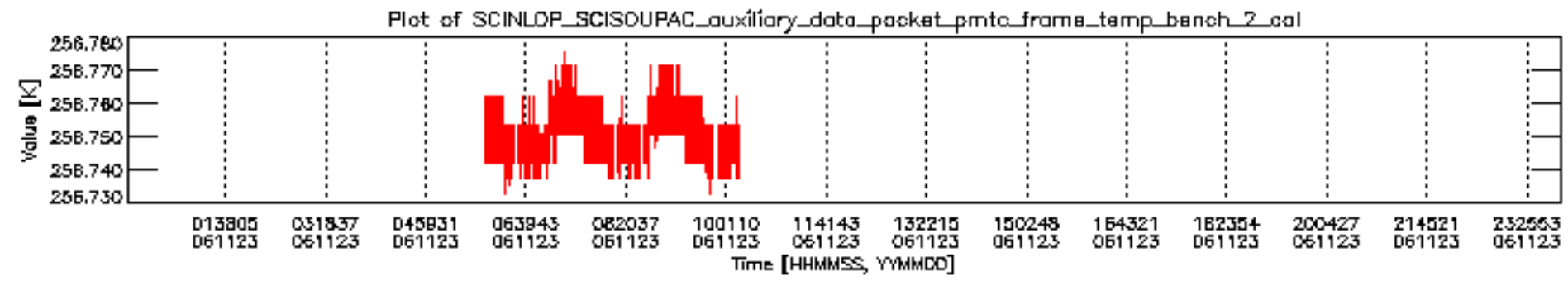
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20061123\_7.PNG

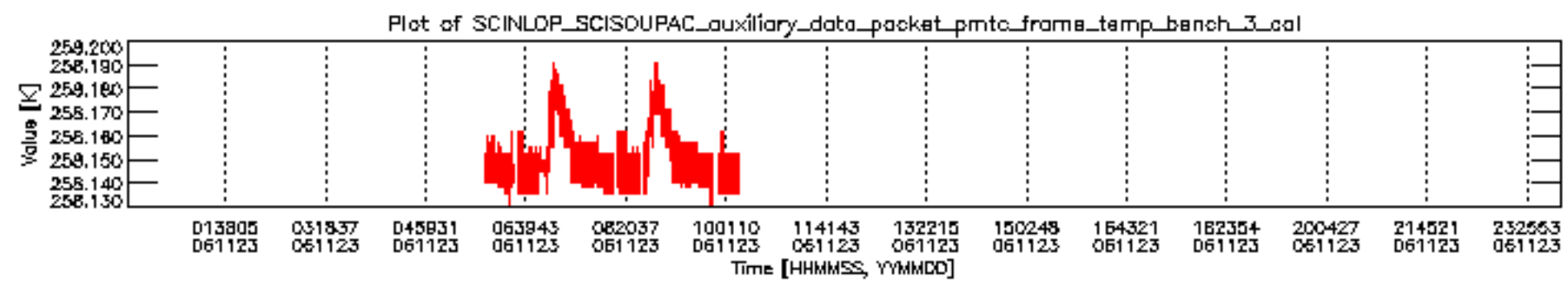


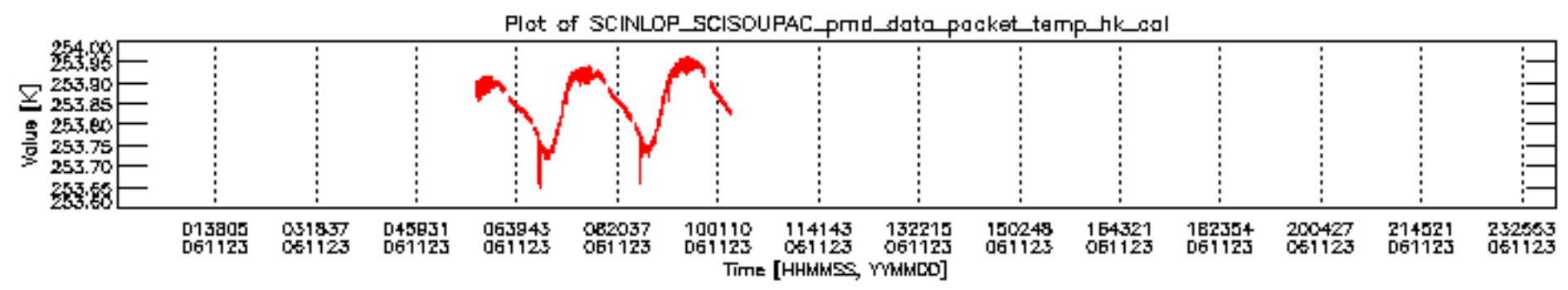
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20061123\_8.PNG

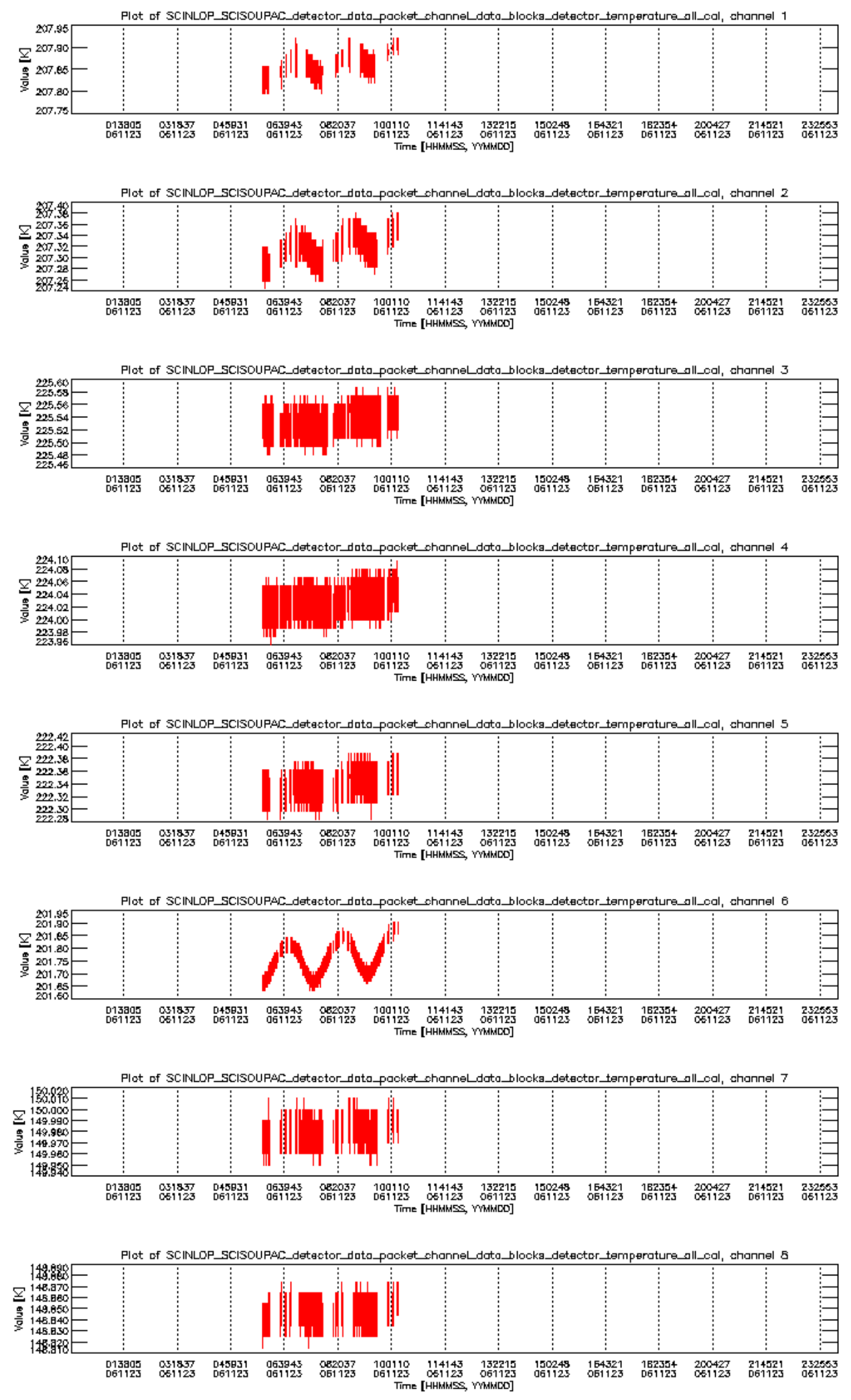


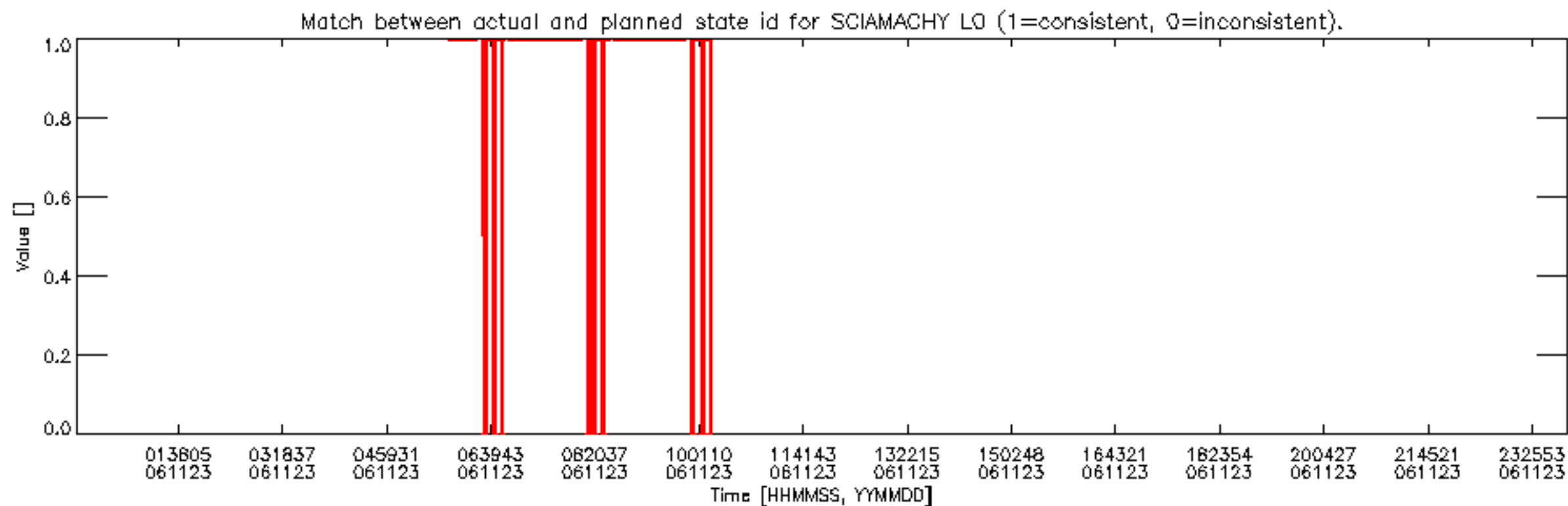
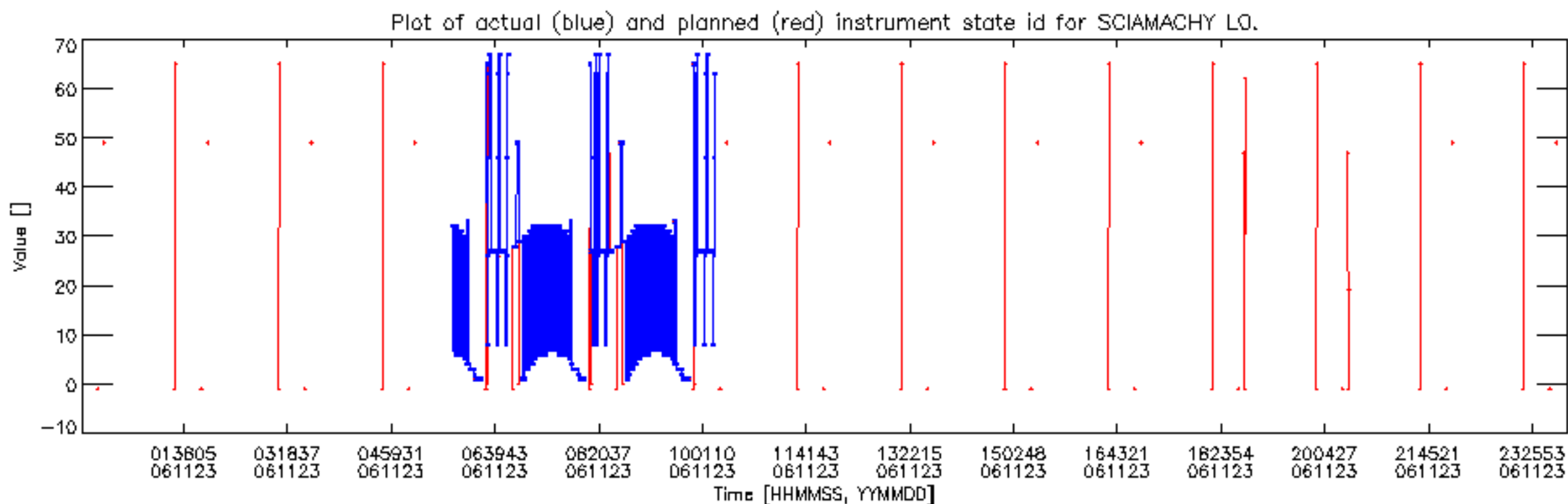












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