

# 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	06FEB2009 05:12:24
Data source version	KSPT_L0/4303-N
Processing scope for products	02FEB2009 00:00:00 to 03FEB2009 00:00:00
Start time of first product within scope	01FEB2009 23:43:00
Stop time of last product within scope	03FEB2009 00:44:19
Total number of level 0 products	16
Number of level 0 products with errors	0

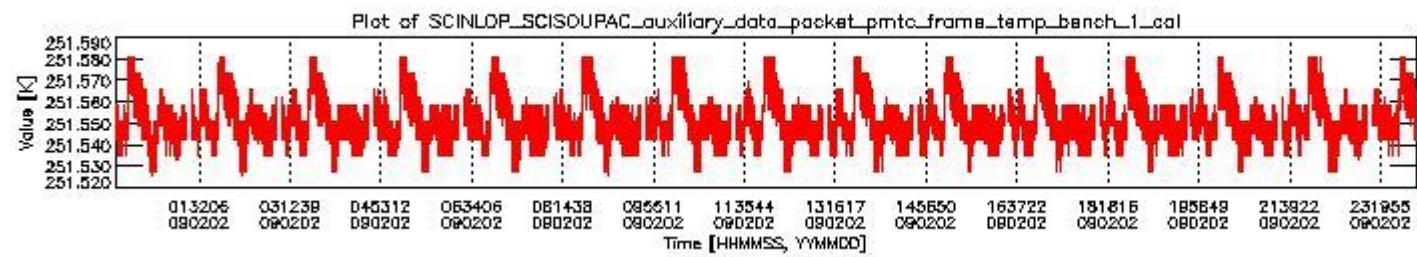
#### 0.1.2 Summary per product

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

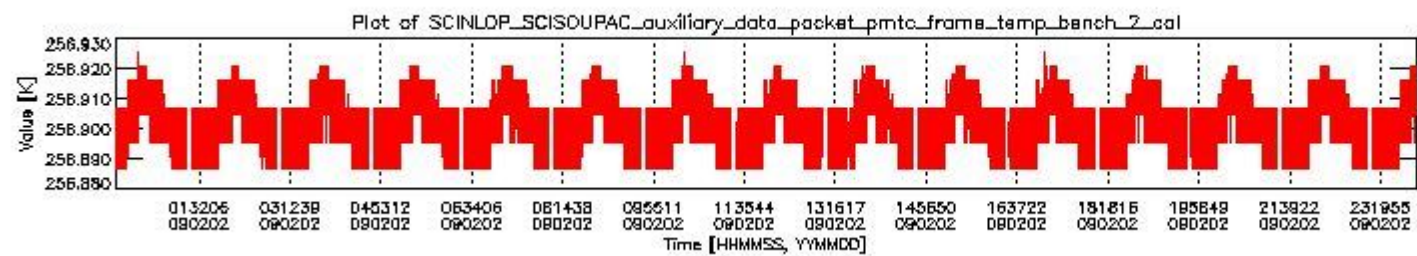
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090201_234300_000055822076_00087_36213_8409.N1	01FEB2009 23:43:00	02FEB2009 01:16:02	0	0	0	0	0
1	SCI_NL__OPNPDE20090202_012335_000044122076_00088_36214_8410.N1	02FEB2009 01:23:35	02FEB2009 02:37:07	0	0	0	0	0
2	SCI_NL__OPNPDE20090202_023558_000057872076_00089_36215_8411.N1	02FEB2009 02:35:58	02FEB2009 04:12:25	0	0	0	0	0
3	SCI_NL__OPNPDE20090202_041225_000061042076_00090_36216_8412.N1	02FEB2009 04:12:25	02FEB2009 05:54:09	0	0	0	0	0
4	SCI_NL__OPNPDK20090202_055301_000040452076_00091_36217_0611.N1	02FEB2009 05:53:01	02FEB2009 07:00:25	0	0	0	0	0
5	SCI_NL__OPNPDK20090202_065917_000063532076_00092_36218_0612.N1	02FEB2009 06:59:17	02FEB2009 08:45:10	0	0	0	0	0
6	SCI_NL__OPNPDK20090202_084305_000059672076_00093_36219_0613.N1	02FEB2009 08:43:05	02FEB2009 10:22:32	0	0	0	0	0
7	SCI_NL__OPNPDK20090202_102028_000061042076_00094_36220_0614.N1	02FEB2009 10:20:28	02FEB2009 12:02:12	0	0	0	0	0
8	SCI_NL__OPNPDK20090202_120116_000060912076_00095_36221_0615.N1	02FEB2009 12:01:16	02FEB2009 13:42:47	0	0	0	0	0
9	SCI_NL__OPNPDK20090202_134043_000059242076_00096_36222_0616.N1	02FEB2009 13:40:43	02FEB2009 15:19:27	0	0	0	0	0
10	SCI_NL__OPNPDK20090202_151613_000060362076_00097_36223_0617.N1	02FEB2009 15:16:13	02FEB2009 16:56:48	0	0	0	0	0
11	SCI_NL__OPNPDK20090202_165648_000059232076_00098_36224_0618.N1	02FEB2009 16:56:48	02FEB2009 18:35:31	0	0	0	0	0
12	SCI_NL__OPNPDK20090202_183435_000059802076_00099_36225_0619.N1	02FEB2009 18:34:35	02FEB2009 20:14:15	0	0	0	0	0
13	SCI_NL__OPNPDE20090202_201415_000041622076_00100_36226_8413.N1	02FEB2009 20:14:15	02FEB2009 21:23:37	0	0	0	0	0
14	SCI_NL__OPNPDE20090202_213042_000055952076_00100_36226_8414.N1	02FEB2009 21:30:42	02FEB2009 23:03:57	0	0	0	0	0
15	SCI_NL__OPNPDE20090202_231117_000055822076_00101_36227_8415.N1	02FEB2009 23:11:17	03FEB2009 00:44:19	0	0	0	0	0

### 0.2 Product Quality Indicators

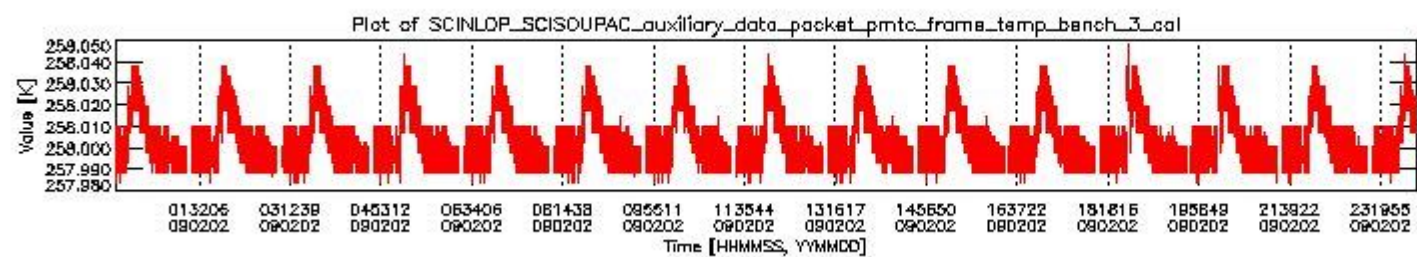
This section shows information about product quality, currently temperatures.



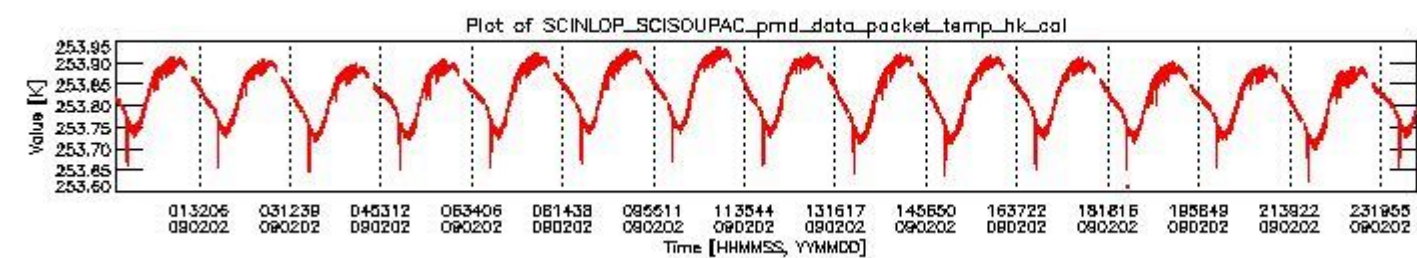
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090202\_0.PNG



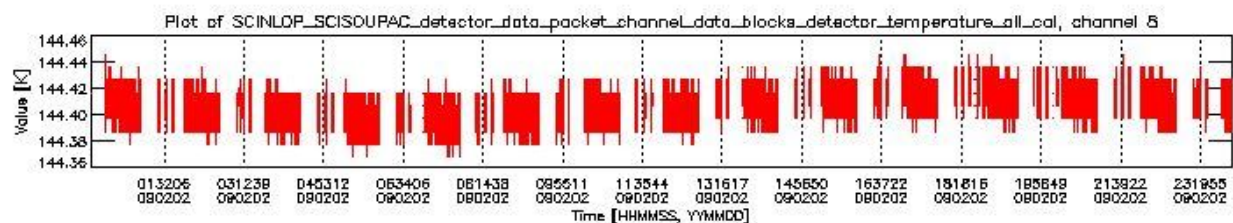
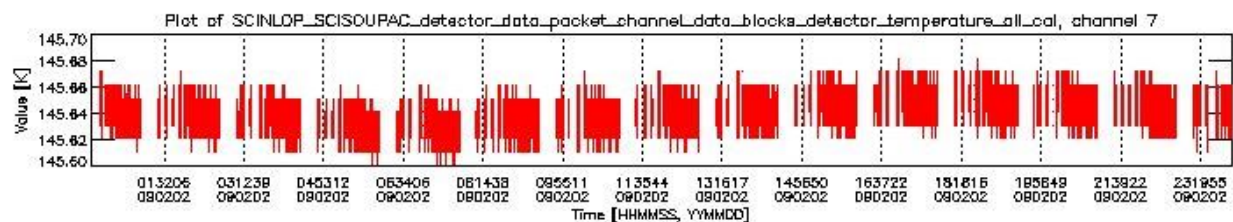
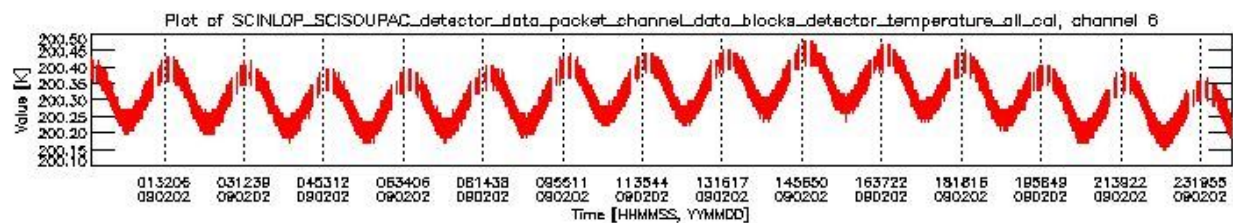
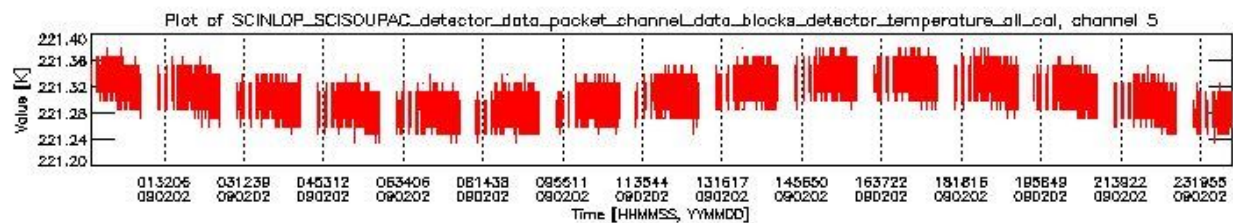
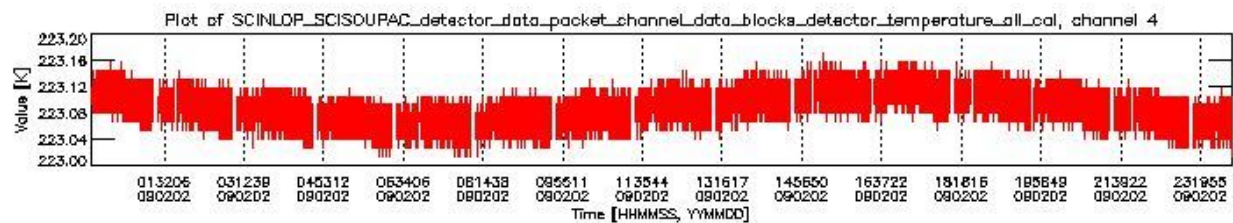
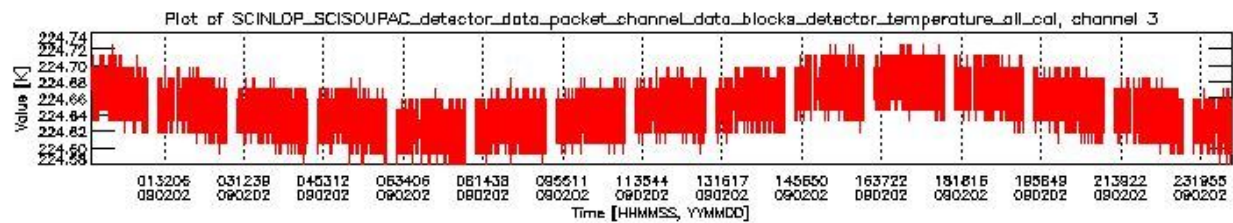
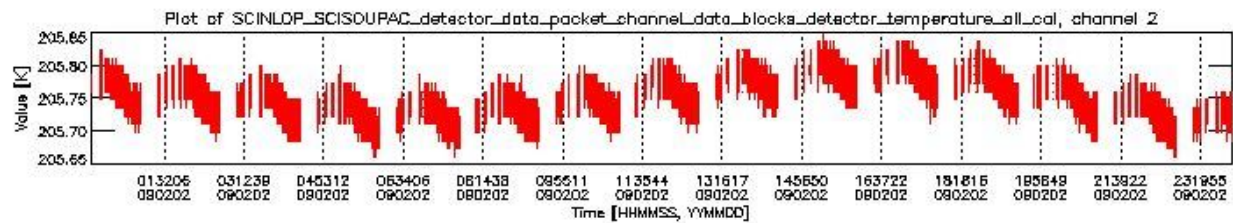
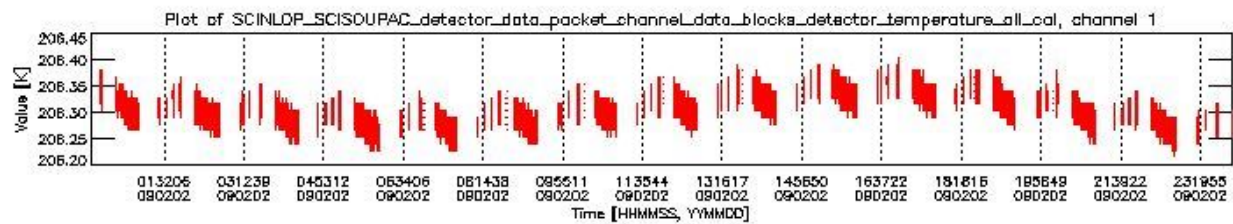
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090202\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090202\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090202\_3.PNG

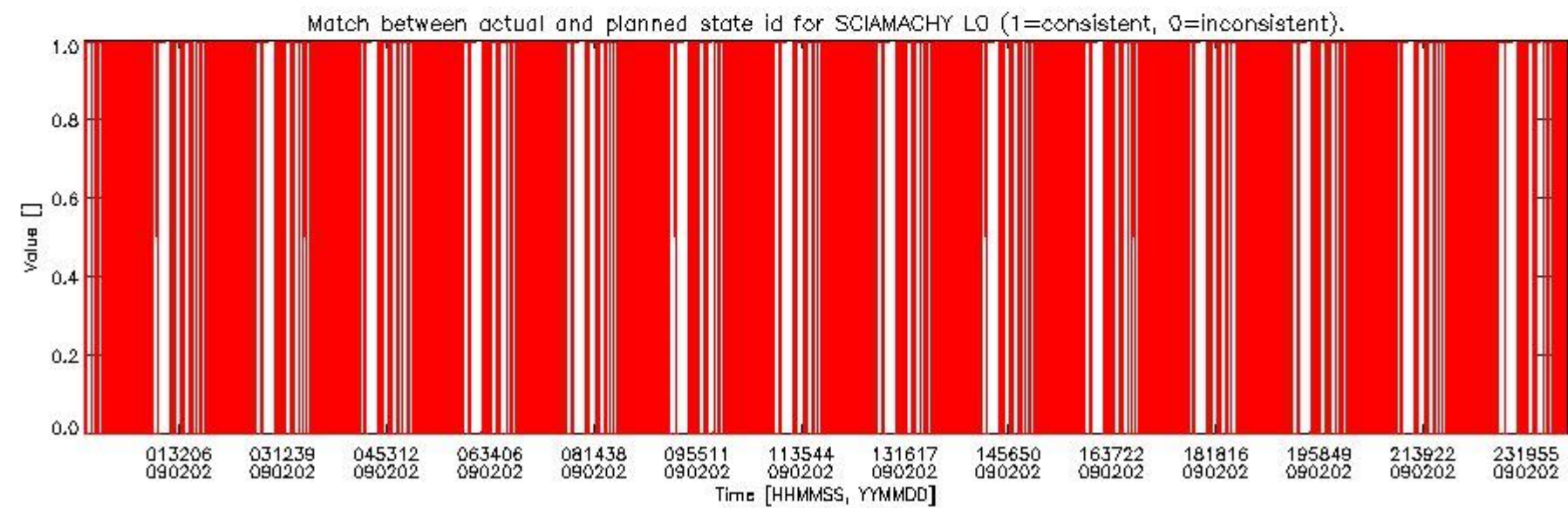
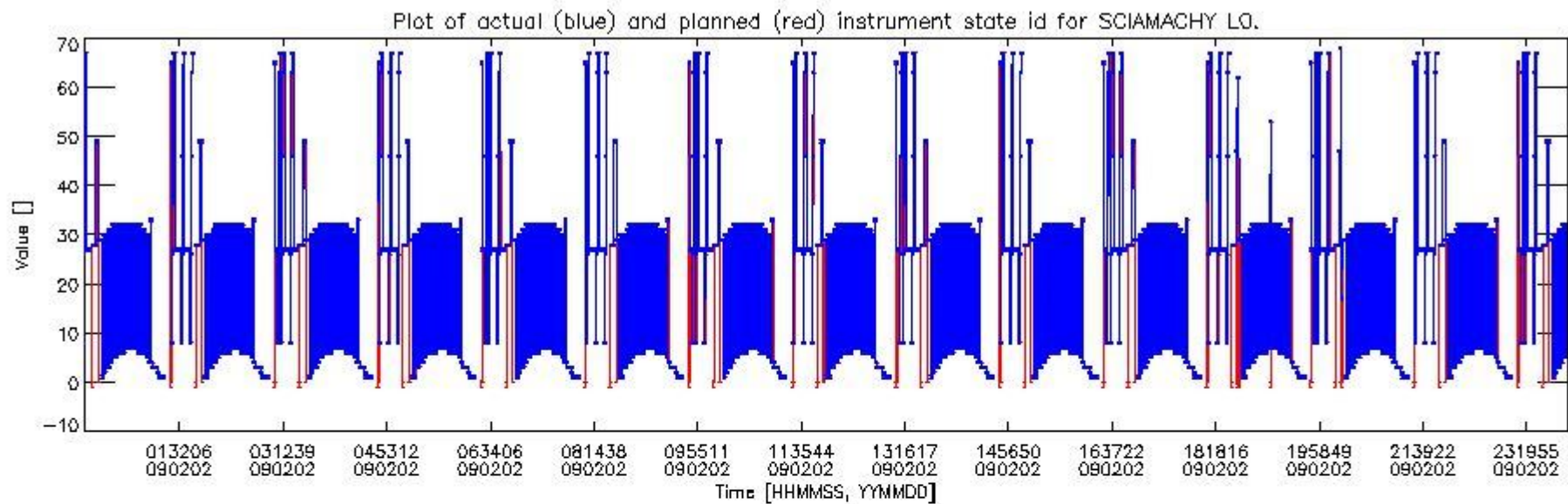


### 0.3 State monitoring

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: **57359**

#	Actual time	Actual value	Planned time	Planned value
0	02FEB2009 00:00:04.381751	67	02FEB2009 00:00:04.381751	63
1	02FEB2009 00:00:04.631719	67	02FEB2009 00:00:04.631719	63
2	02FEB2009 00:00:04.756723	67	02FEB2009 00:00:04.756723	63
3	02FEB2009 00:00:04.881728	67	02FEB2009 00:00:04.881728	63
4	02FEB2009 00:00:05.006732	67	02FEB2009 00:00:05.006732	63
5	02FEB2009 00:00:05.131736	67	02FEB2009 00:00:05.131736	63
6	02FEB2009 00:00:05.256741	67	02FEB2009 00:00:05.256741	63
7	02FEB2009 00:00:05.381745	67	02FEB2009 00:00:05.381745	63
8	02FEB2009 00:00:05.506749	67	02FEB2009 00:00:05.506749	63
9	02FEB2009 00:00:05.631754	67	02FEB2009 00:00:05.631754	63
10	02FEB2009 00:00:05.756758	67	02FEB2009 00:00:05.756758	63
11	02FEB2009 00:00:05.881722	67	02FEB2009 00:00:05.881722	63
12	02FEB2009 00:00:06.006727	67	02FEB2009 00:00:06.006727	63
13	02FEB2009 00:00:06.131731	67	02FEB2009 00:00:06.131731	63
14	02FEB2009 00:00:06.256735	67	02FEB2009 00:00:06.256735	63
15	02FEB2009 00:00:06.381740	67	02FEB2009 00:00:06.381740	63
16	02FEB2009 00:00:06.506744	67	02FEB2009 00:00:06.506744	63
17	02FEB2009 00:00:06.631748	67	02FEB2009 00:00:06.631748	63
18	02FEB2009 00:00:06.756753	67	02FEB2009 00:00:06.756753	63
19	02FEB2009 00:00:06.881757	67	02FEB2009 00:00:06.881757	63
...	...	...	...	...

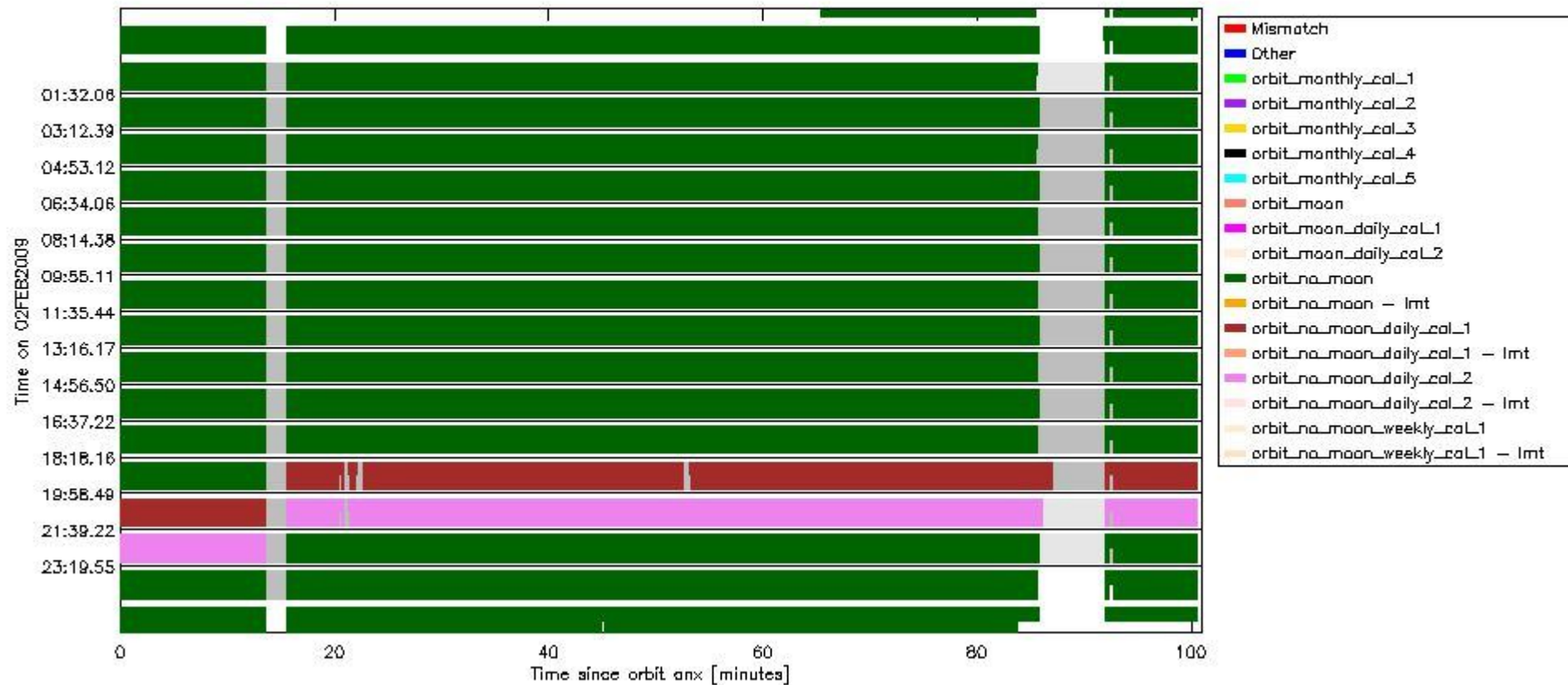


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090202\_5.PNG

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 02FEB2009.  
 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\_KSPT\_L0\_4303\_N\_20090202\_6.PNG

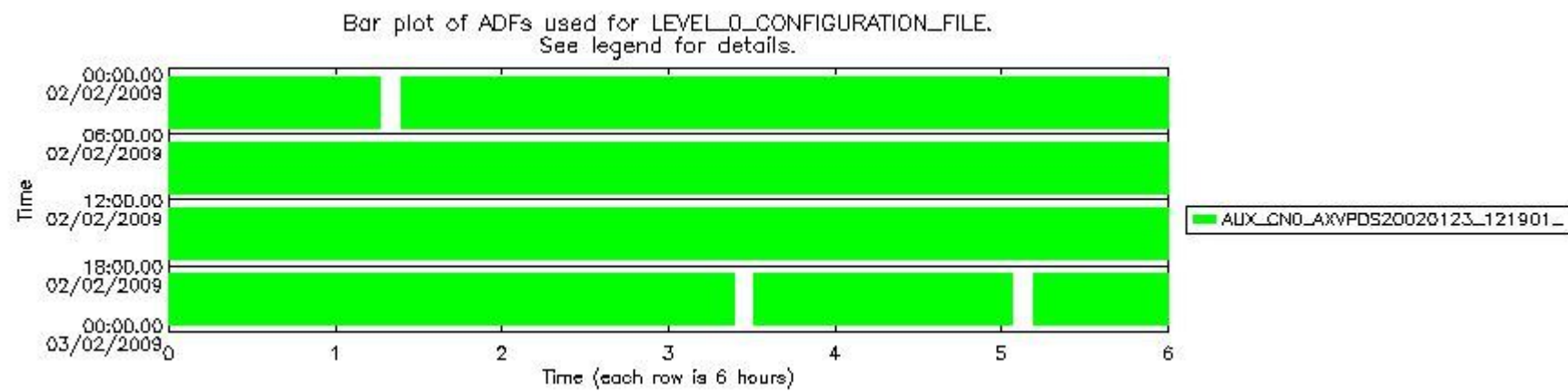
## 0.4 ADF monitoring

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

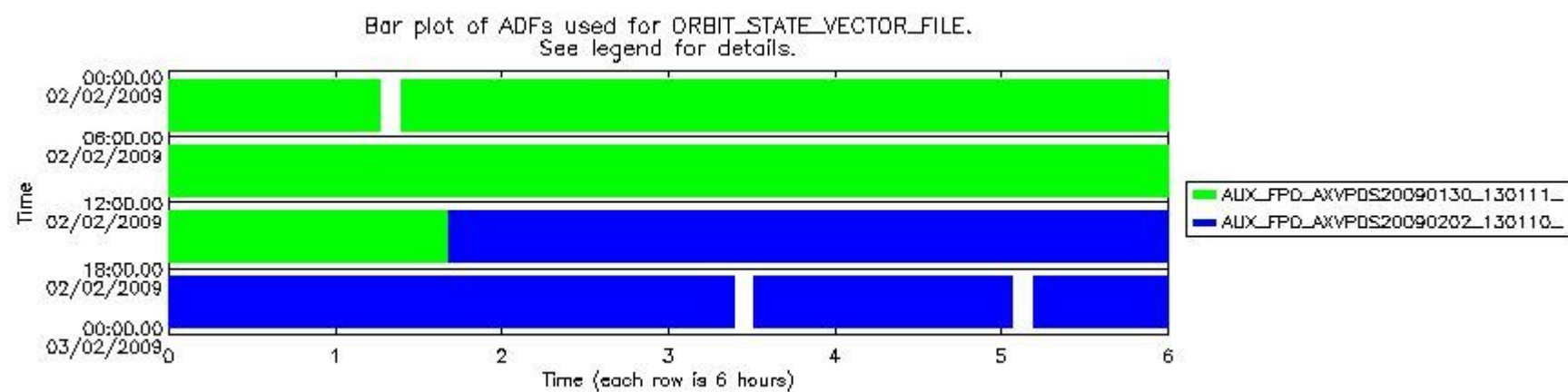
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

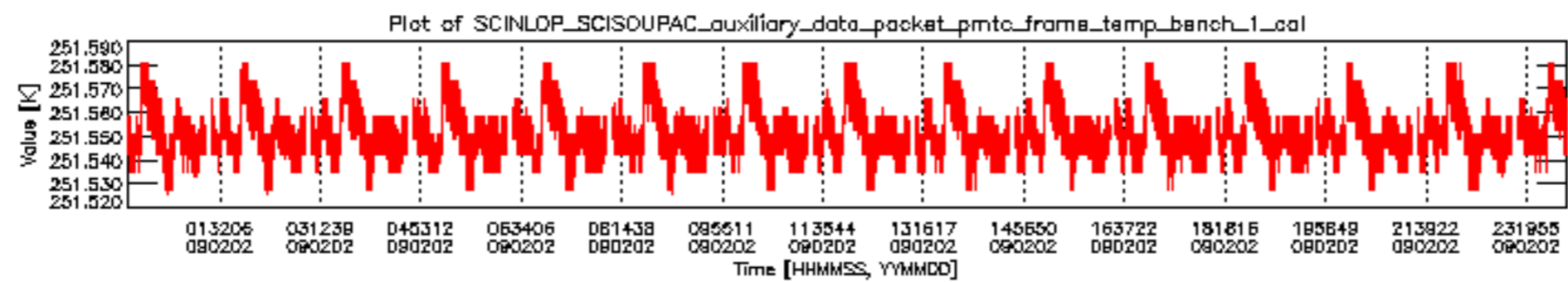
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090130_130111_20090129_184359_20090208_201014
2	AUX_FPO_AXVPDS20090202_130110_20090201_184944_20090211_201559



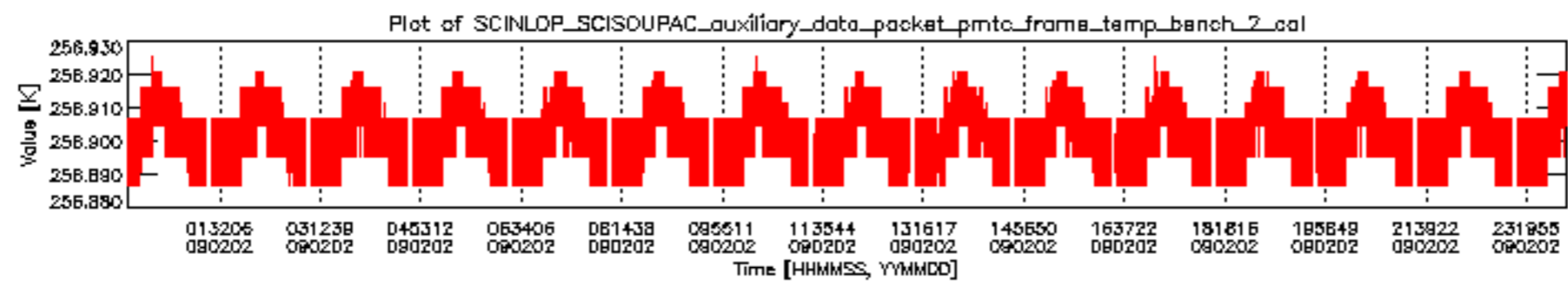
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090202\_7.PNG

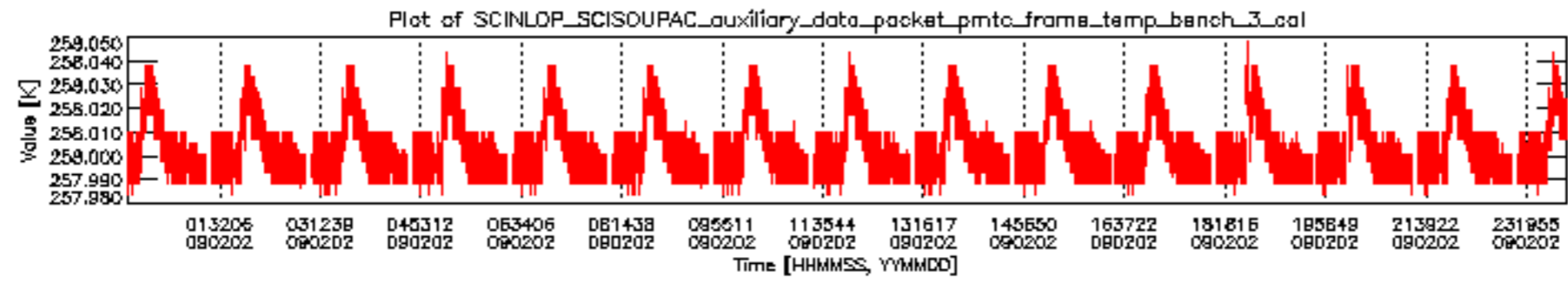


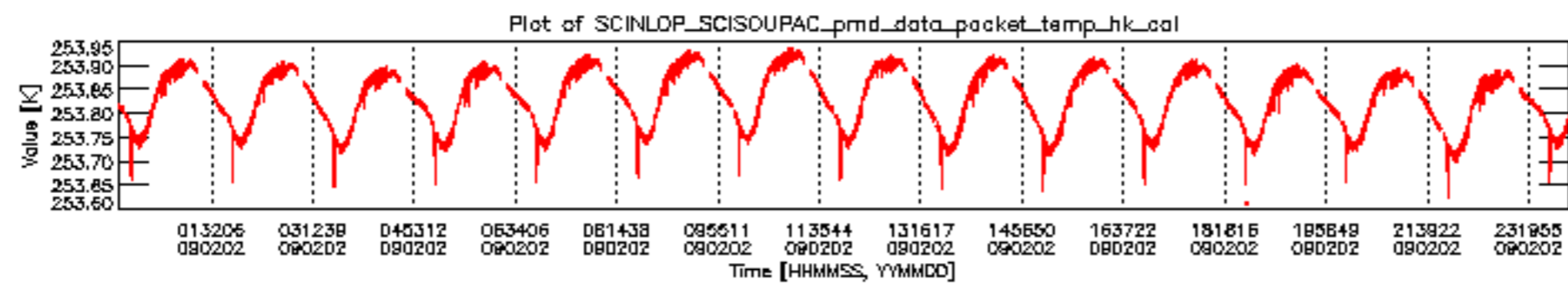
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090202\_8.PNG

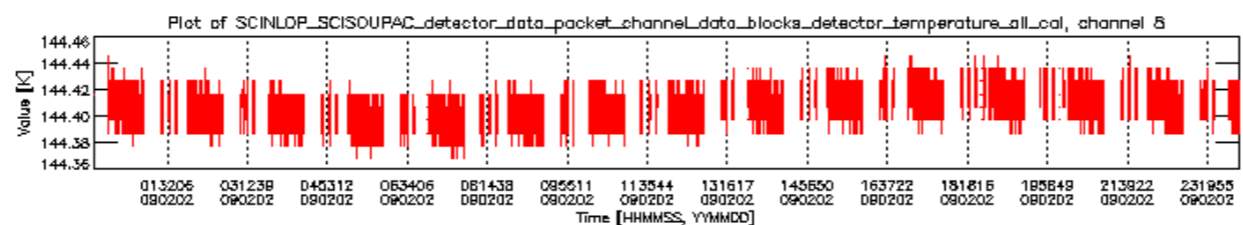
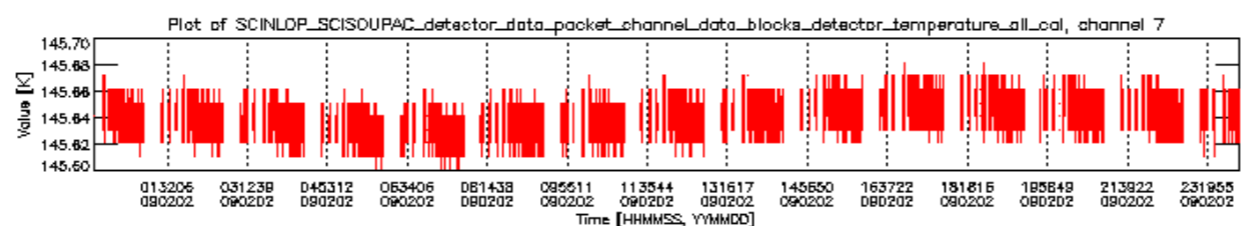
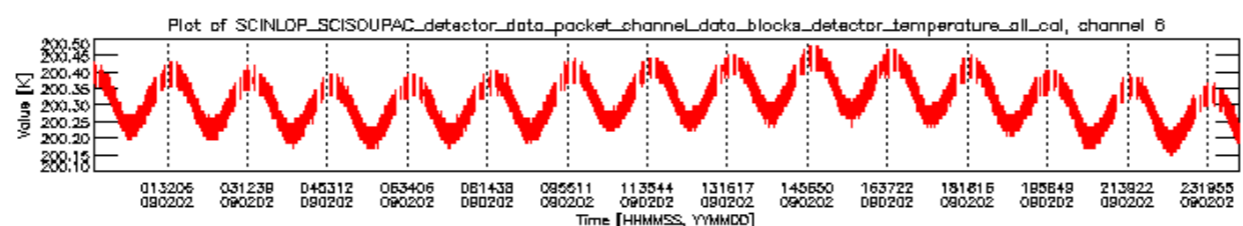
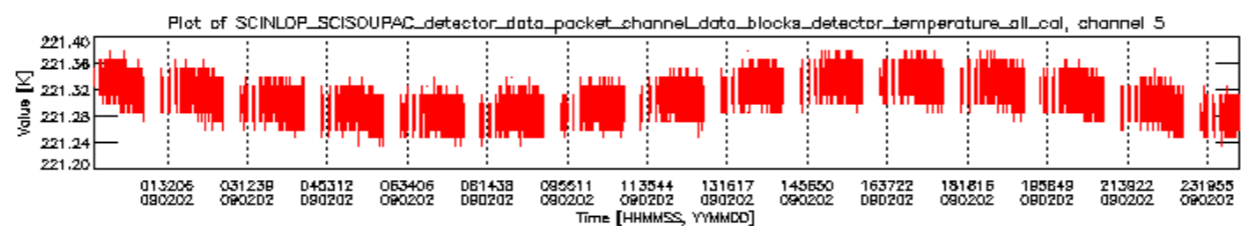
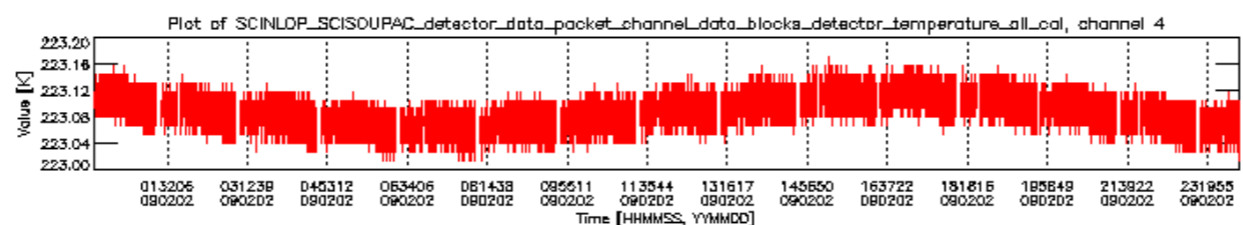
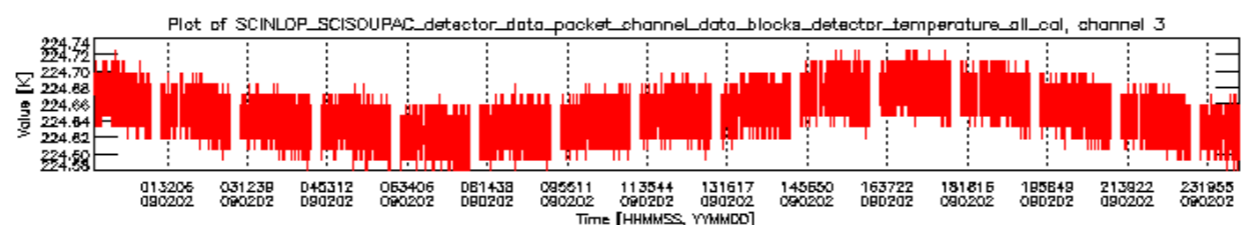
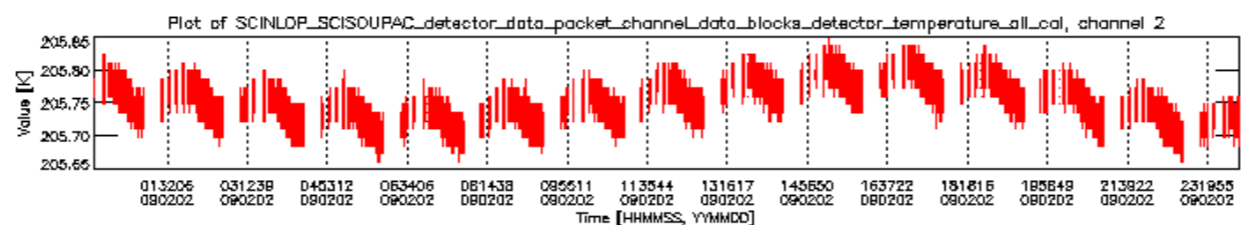
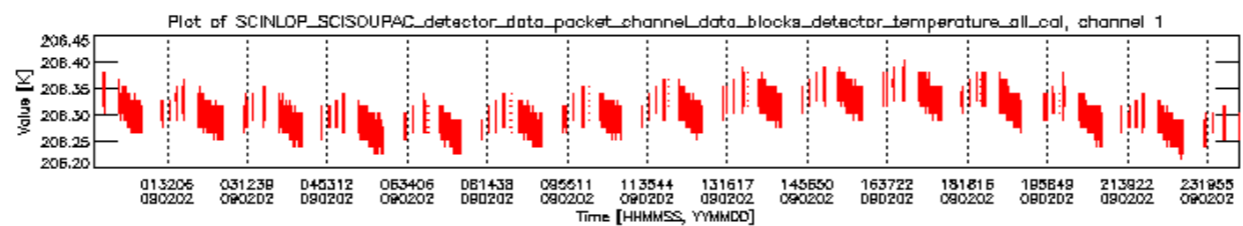


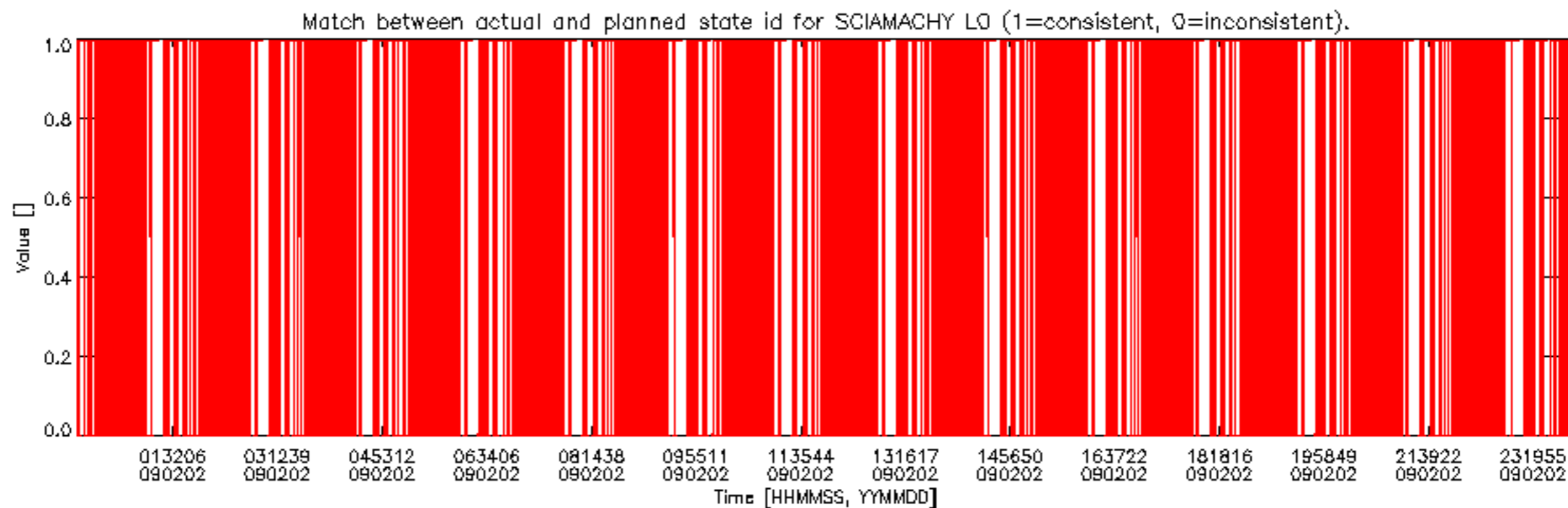
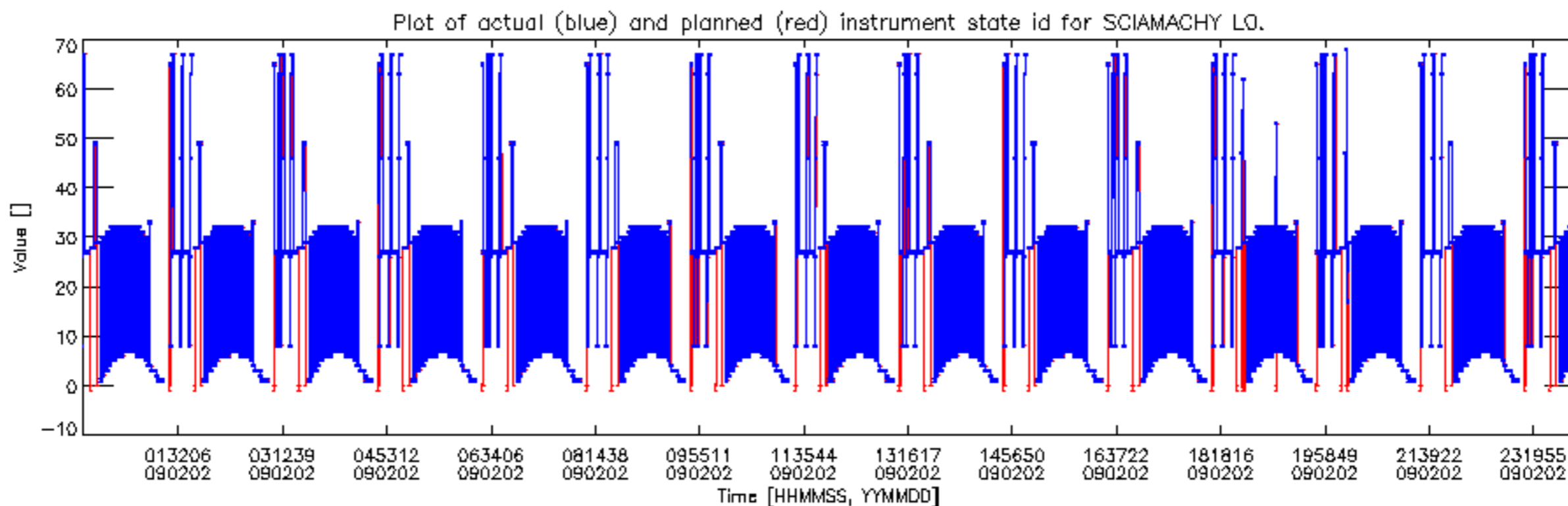












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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