

## 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	11JUL2008 06:06:57
Data source version	KSPT_L0/4303-N
Processing scope for products	07JUL2008 00:00:00 to 08JUL2008 00:00:00
Start time of first product within scope	06JUL2008 23:38:05
Stop time of last product within scope	08JUL2008 00:48:42
Total number of level 0 products	16
Number of level 0 products with errors	0

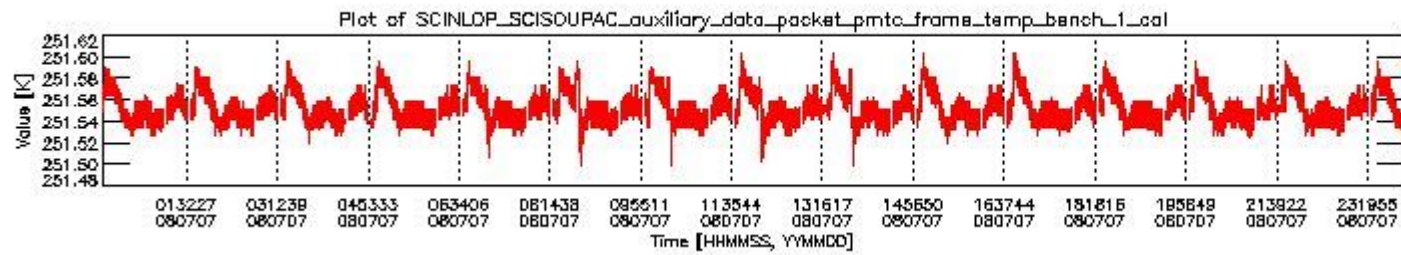
### 0.1.2 Summary per product

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

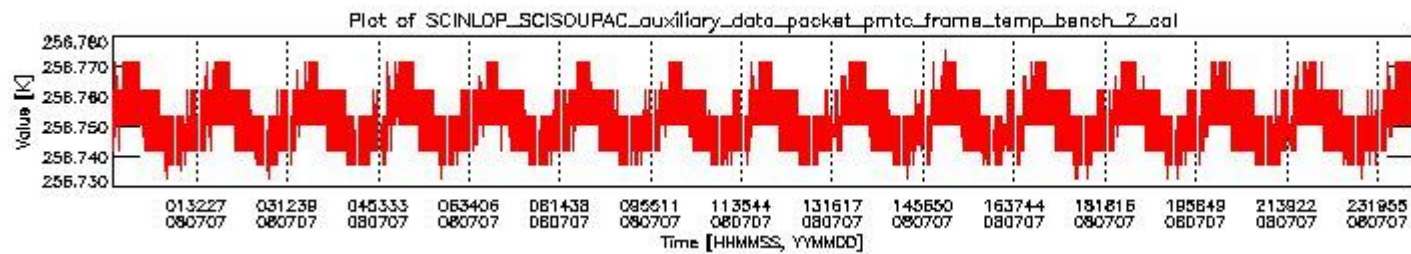
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080706_233805_000060882070_00087_33207_6819.N1	06JUL2008 23:38:05	07JUL2008 01:19:33	0	0	0	0	0
1	SCI_NL__OPNPDE20080707_011804_000047672070_00088_33208_6820.N1	07JUL2008 01:18:04	07JUL2008 02:37:32	0	0	0	0	0
2	SCI_NL__OPNPDE20080707_023623_000058302070_00089_33209_6821.N1	07JUL2008 02:36:23	07JUL2008 04:13:34	0	0	0	0	0
3	SCI_NL__OPNPDE20080707_041225_000061052070_00090_33210_7059.N1	07JUL2008 04:12:25	07JUL2008 05:54:10	0	0	0	0	0
4	SCI_NL__OPNPDK20080707_055410_000041702070_00091_33211_8701.N1	07JUL2008 05:54:10	07JUL2008 07:03:40	0	0	0	0	0
5	SCI_NL__OPNPDK20080707_070231_000061052070_00092_33212_8702.N1	07JUL2008 07:02:31	07JUL2008 08:44:16	0	0	0	0	0
6	SCI_NL__OPNPDK20080707_084416_000059672070_00093_33213_8703.N1	07JUL2008 08:44:16	07JUL2008 10:23:43	0	0	0	0	0
7	SCI_NL__OPNPDK20080707_102247_000059802070_00094_33214_8704.N1	07JUL2008 10:22:47	07JUL2008 12:02:27	0	0	0	0	0
8	SCI_NL__OPNPDK20080707_120227_000059672070_00095_33215_8705.N1	07JUL2008 12:02:27	07JUL2008 13:41:55	0	0	0	0	0
9	SCI_NL__OPNPDK20080707_134155_000059122070_00096_33216_8706.N1	07JUL2008 13:41:55	07JUL2008 15:20:26	0	0	0	0	0
10	SCI_NL__OPNPDK20080707_151930_000058992070_00097_33217_8707.N1	07JUL2008 15:19:30	07JUL2008 16:57:49	0	0	0	0	0
11	SCI_NL__OPNPDK20080707_165749_000058162070_00098_33218_8708.N1	07JUL2008 16:57:49	07JUL2008 18:34:45	0	0	0	0	0
12	SCI_NL__OPNPDK20080707_183337_000061612070_00099_33219_8709.N1	07JUL2008 18:33:37	07JUL2008 20:16:17	0	0	0	0	0
13	SCI_NL__OPNPDE20080707_201413_000043972070_00100_33220_7060.N1	07JUL2008 20:14:13	07JUL2008 21:27:30	0	0	0	0	0
14	SCI_NL__OPNPDE20080707_212646_000061122070_00100_33220_7061.N1	07JUL2008 21:26:46	07JUL2008 23:08:37	0	0	0	0	0
15	SCI_NL__OPNPDE20080707_230753_000060482070_00101_33221_6825.N1	07JUL2008 23:07:53	08JUL2008 00:48:42	0	0	0	0	0

## 0.2 Product Quality Indicators

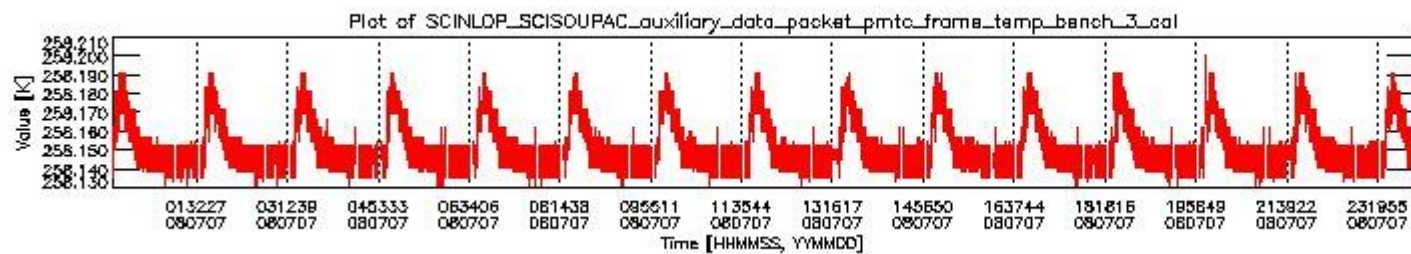
This section shows information about product quality, currently temperatures.



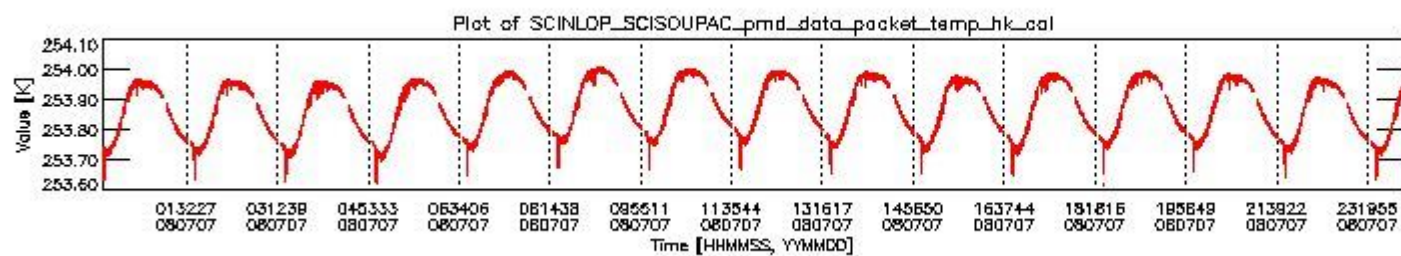
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080707\_0.PNG



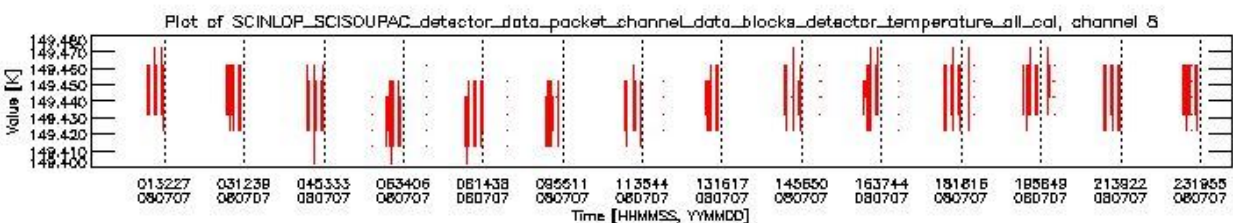
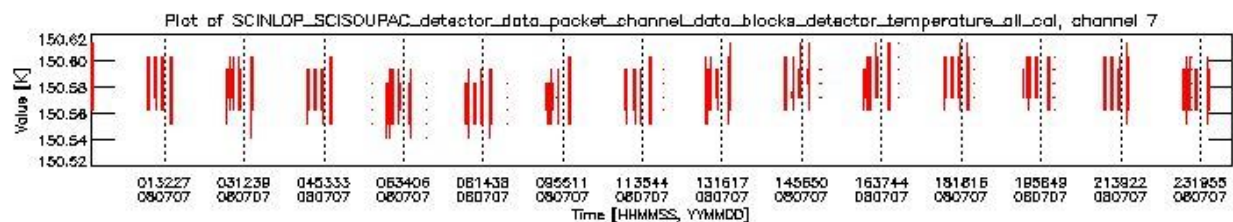
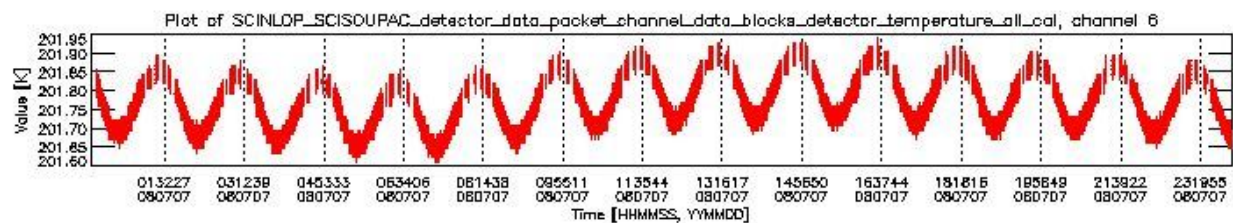
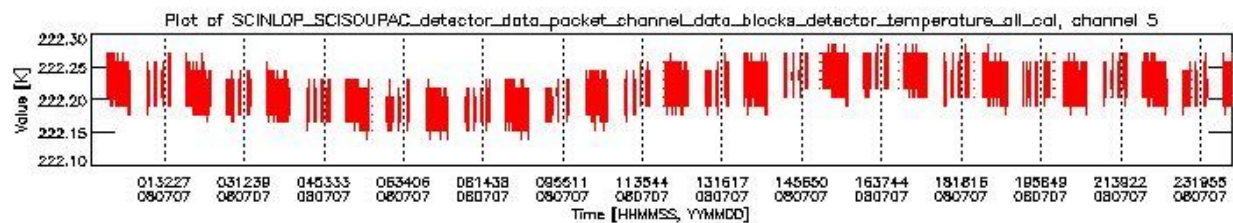
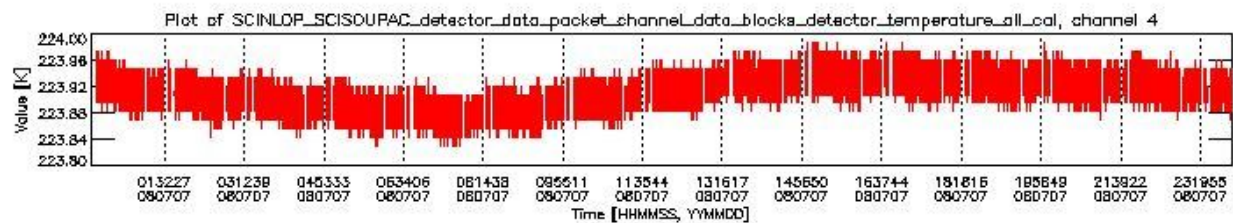
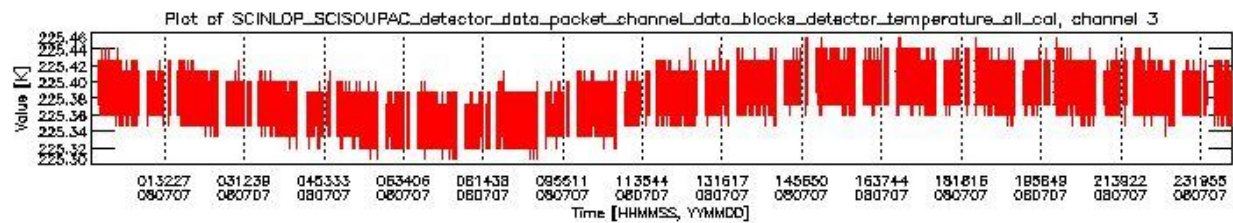
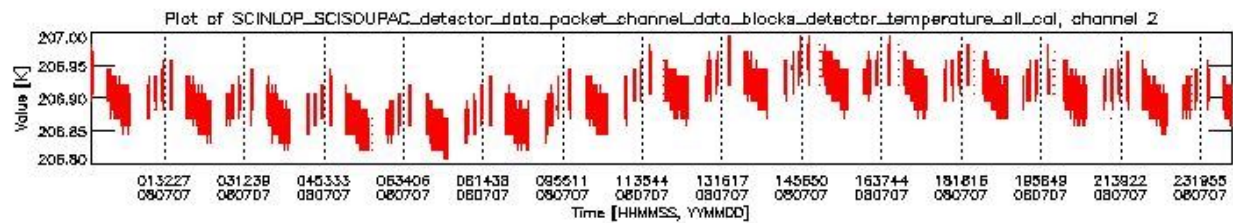
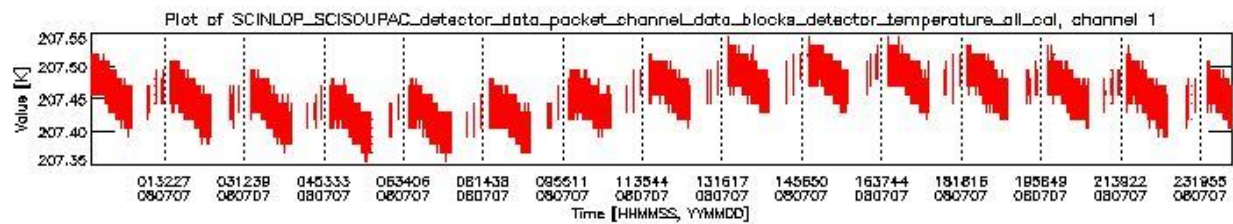
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080707\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080707\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080707\_3.PNG

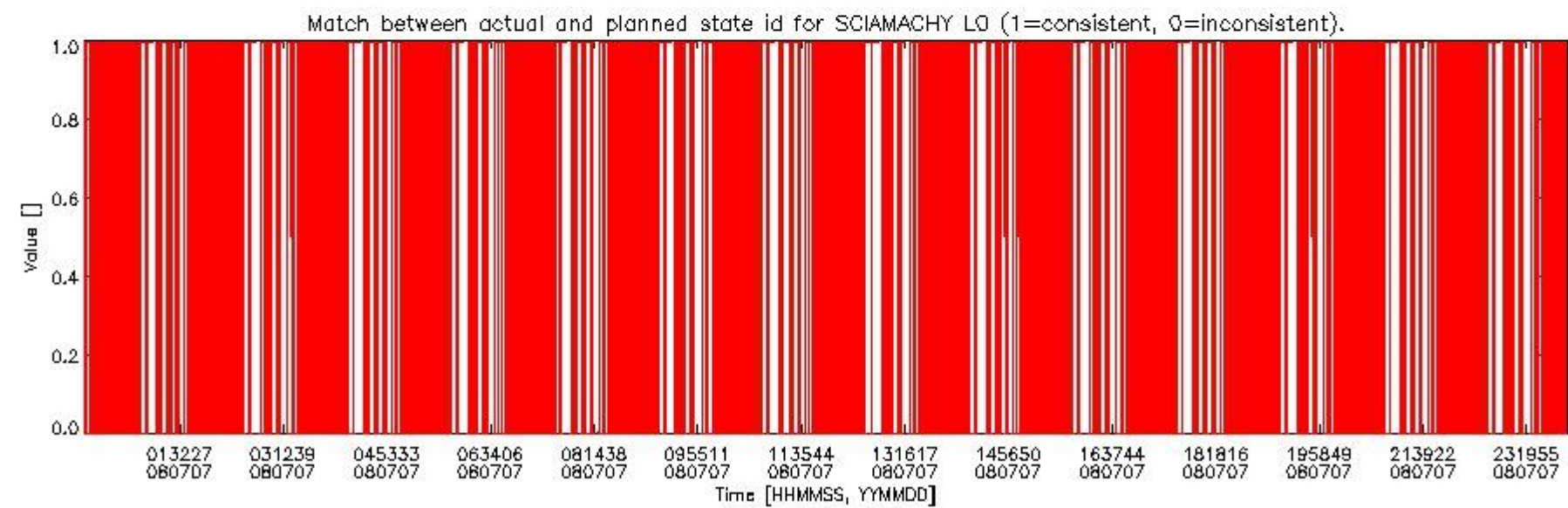
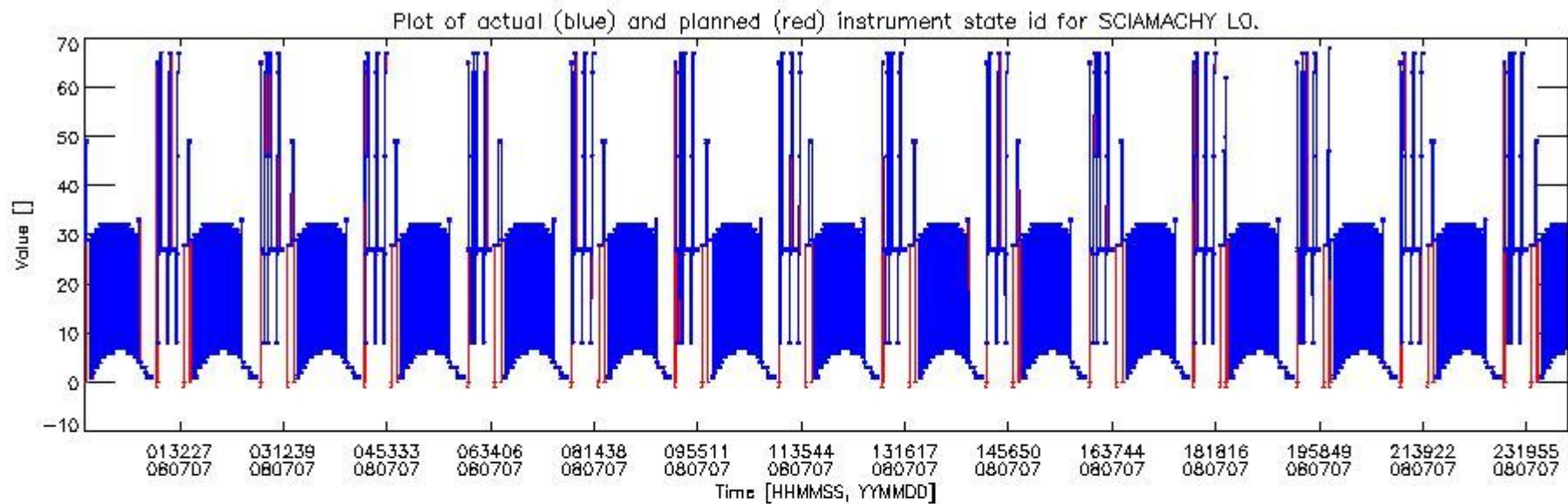


### 0.3 State monitoring

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: **37074**

#	Actual time	Actual value	Planned time	Planned value
0	07JUL2008 00:01:52.757425	29	07JUL2008 00:01:52.757425	0
1	07JUL2008 00:01:53.194920	29	07JUL2008 00:01:53.194920	0
2	07JUL2008 00:01:53.382407	29	07JUL2008 00:01:53.382407	0
3	07JUL2008 00:01:53.569893	29	07JUL2008 00:01:53.569893	0
4	07JUL2008 00:01:53.757420	29	07JUL2008 00:01:53.757420	0
5	07JUL2008 00:01:53.944906	29	07JUL2008 00:01:53.944906	0
6	07JUL2008 00:01:54.132392	29	07JUL2008 00:01:54.132392	0
7	07JUL2008 00:01:54.319919	29	07JUL2008 00:01:54.319919	0
8	07JUL2008 00:01:54.694892	29	07JUL2008 00:01:54.694892	0
9	07JUL2008 00:01:54.882419	29	07JUL2008 00:01:54.882419	0
10	07JUL2008 00:01:55.069905	29	07JUL2008 00:01:55.069905	0
11	07JUL2008 00:01:55.257391	29	07JUL2008 00:01:55.257391	0
12	07JUL2008 00:01:55.444918	29	07JUL2008 00:01:55.444918	0
13	07JUL2008 00:01:55.632404	29	07JUL2008 00:01:55.632404	0
14	07JUL2008 00:01:55.819891	29	07JUL2008 00:01:55.819891	0
15	07JUL2008 00:01:56.007417	29	07JUL2008 00:01:56.007417	0
16	07JUL2008 00:01:56.382390	29	07JUL2008 00:01:56.382390	0
17	07JUL2008 00:01:56.569917	29	07JUL2008 00:01:56.569917	0
18	07JUL2008 00:01:56.757403	29	07JUL2008 00:01:56.757403	0
19	07JUL2008 00:01:56.944890	29	07JUL2008 00:01:56.944890	0
	...	...	...	...

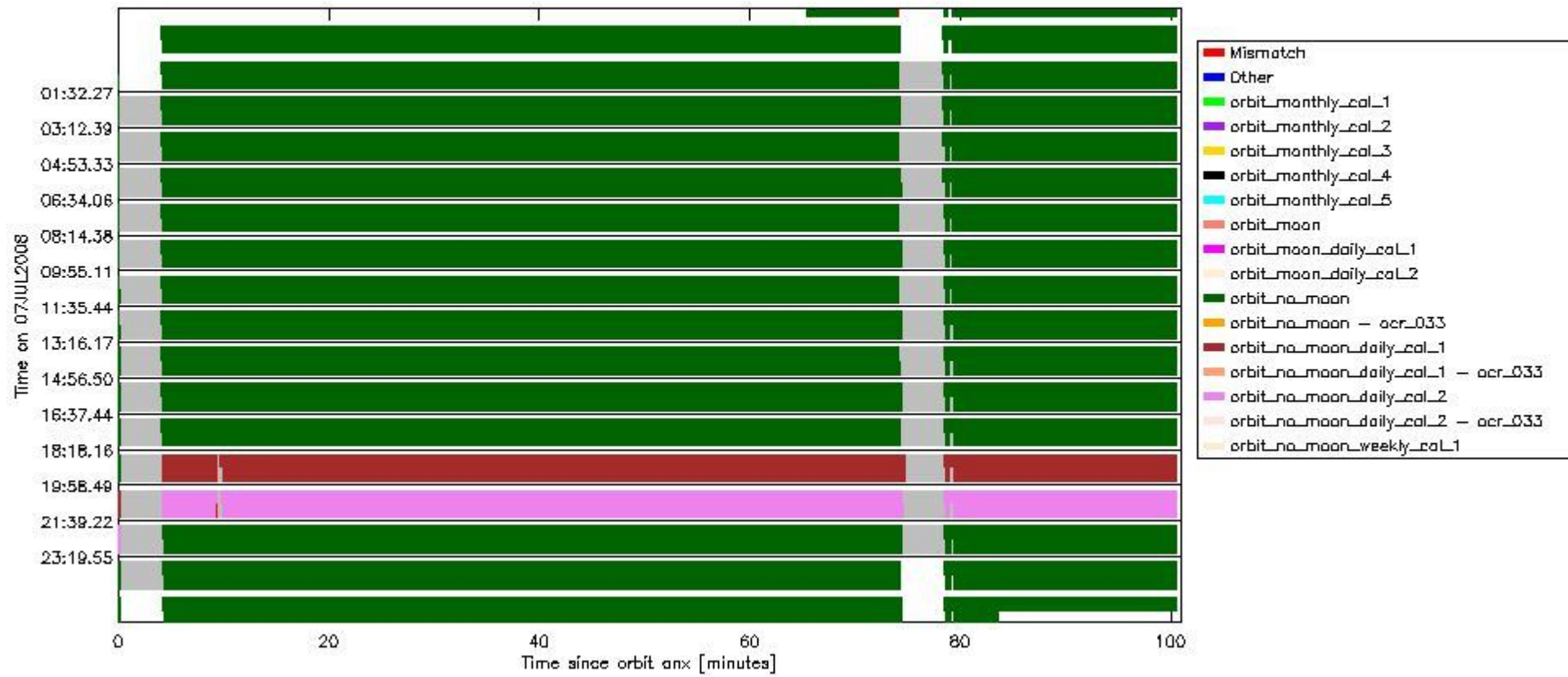


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080707\_5.PNG

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 07JUL2008.  
 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\_20080707\_6.PNG

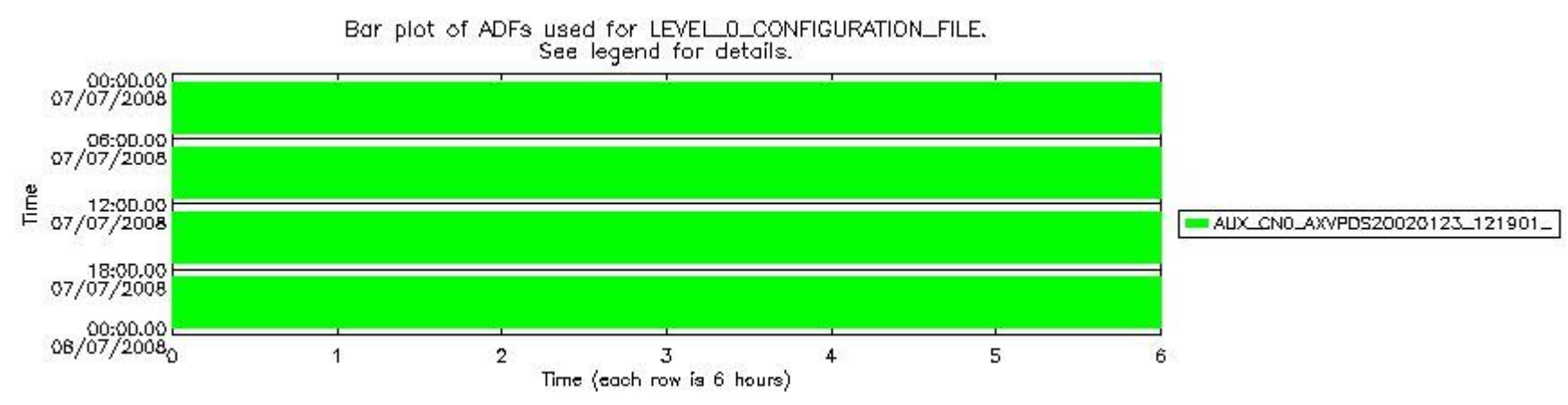
## 0.4 ADF monitoring

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

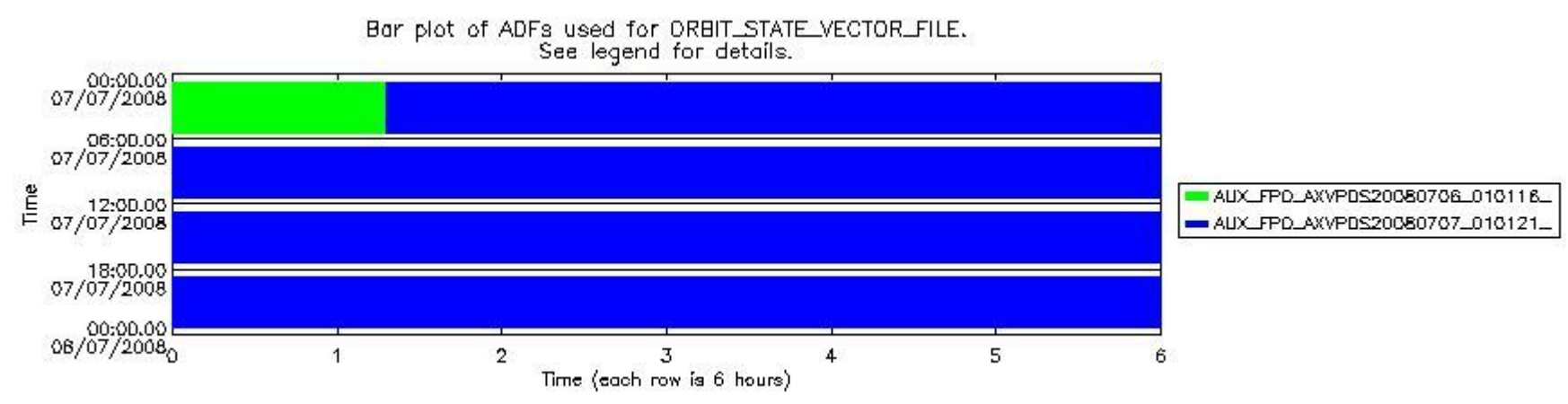
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

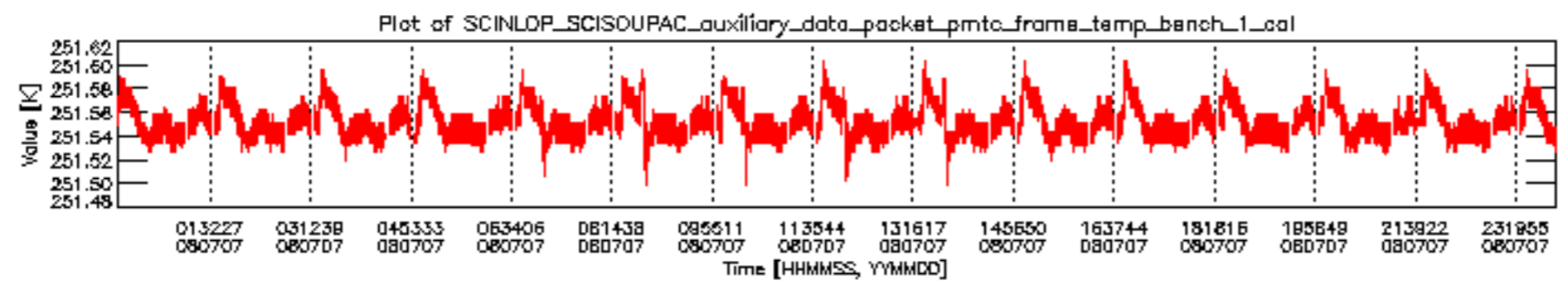
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080706_010116_20080705_192127_20080715_204741</b>
2	<b>AUX_FPO_AXVPDS20080707_010121_20080706_184950_20080716_201604</b>



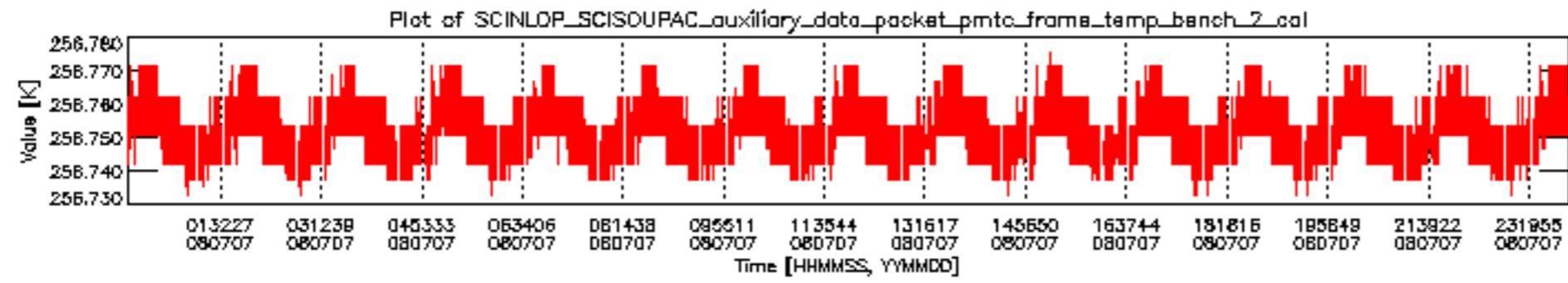
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080707\_7.PNG

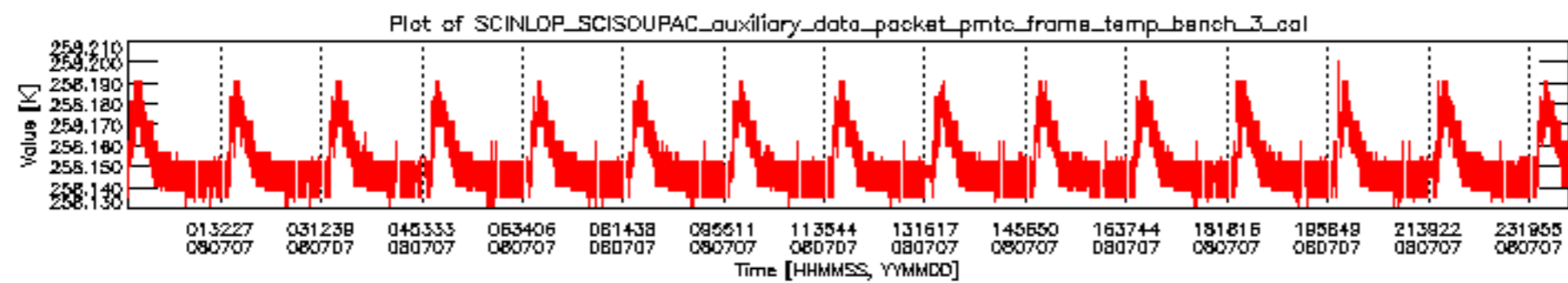


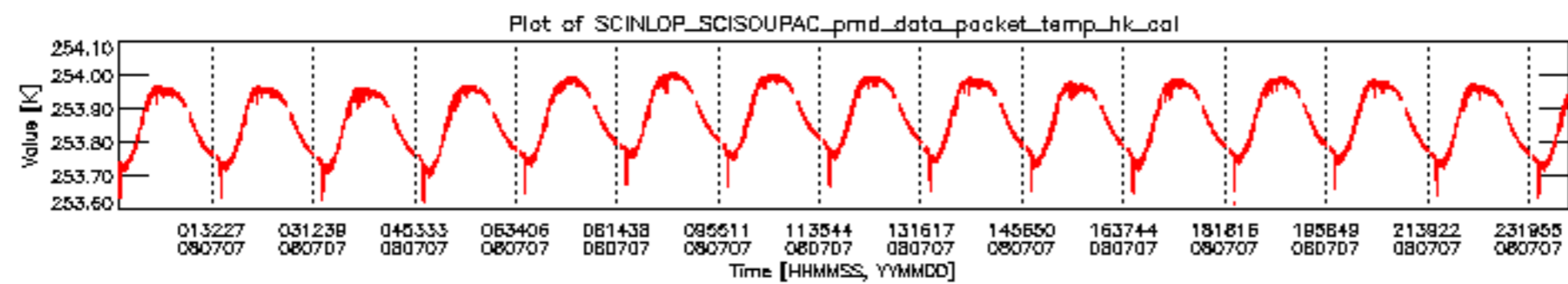
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080707\_8.PNG

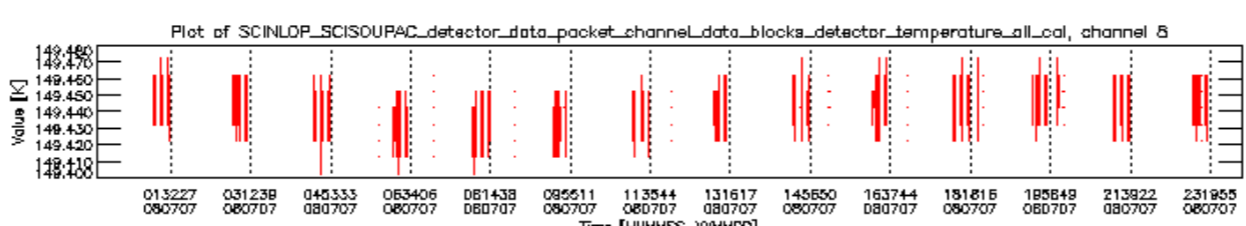
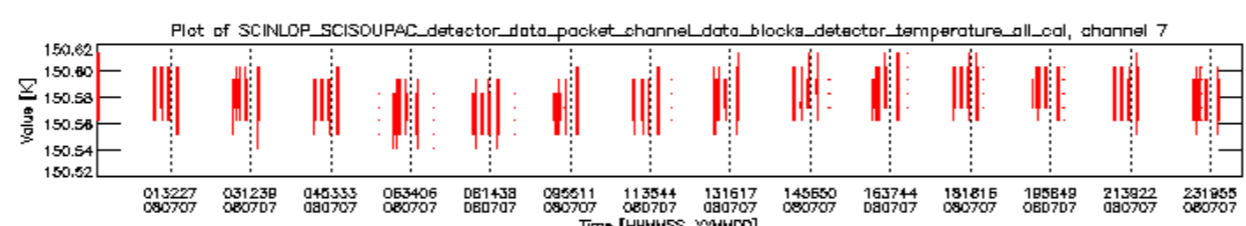
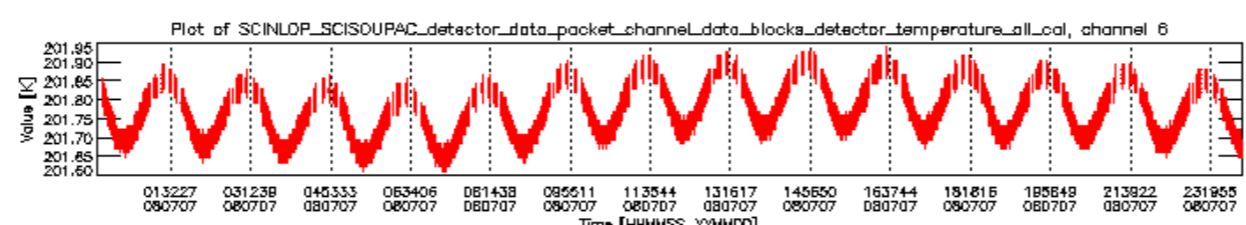
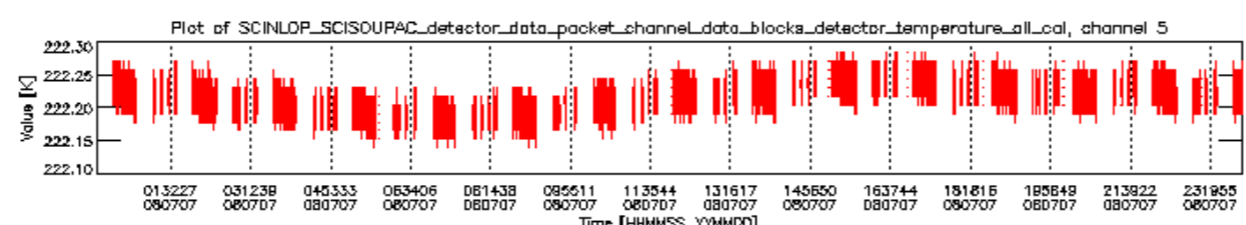
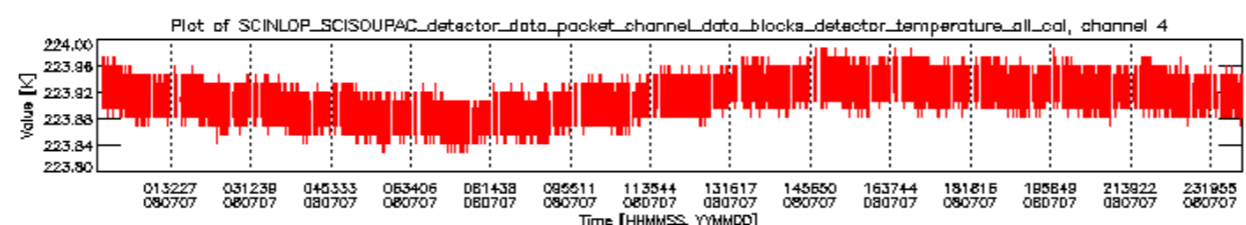
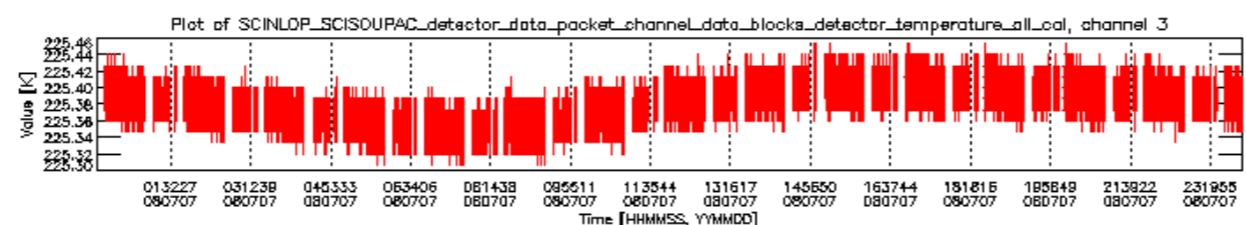
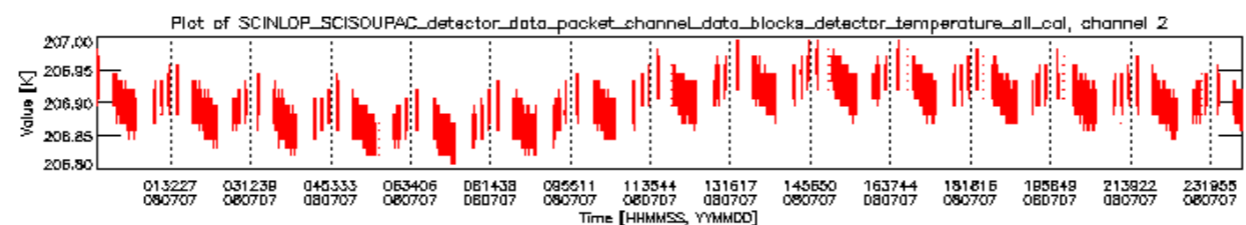
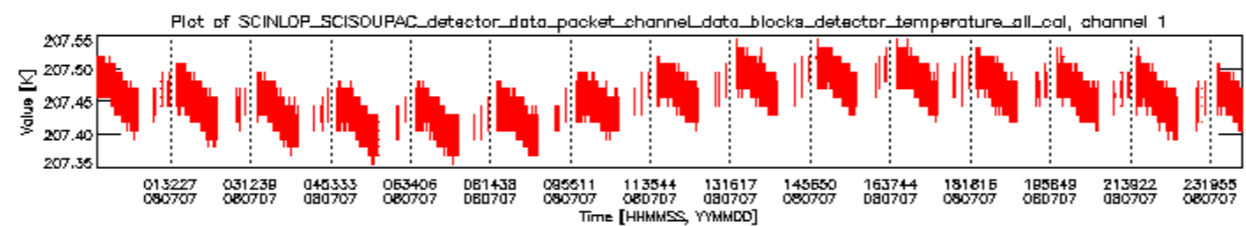


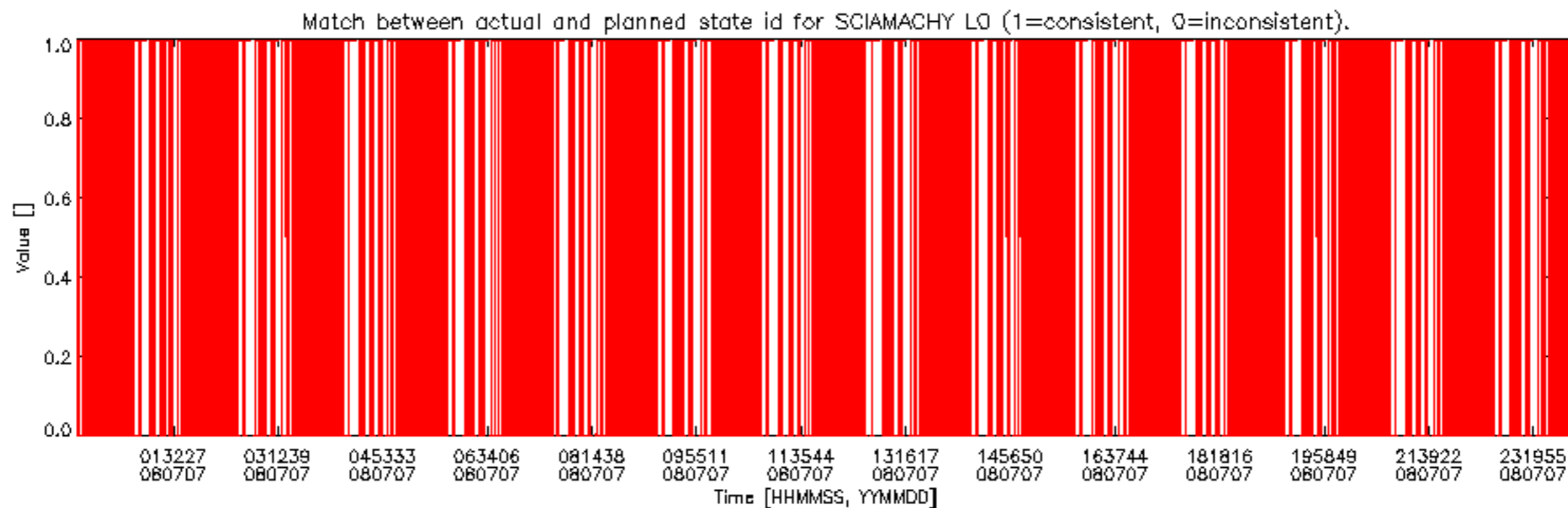
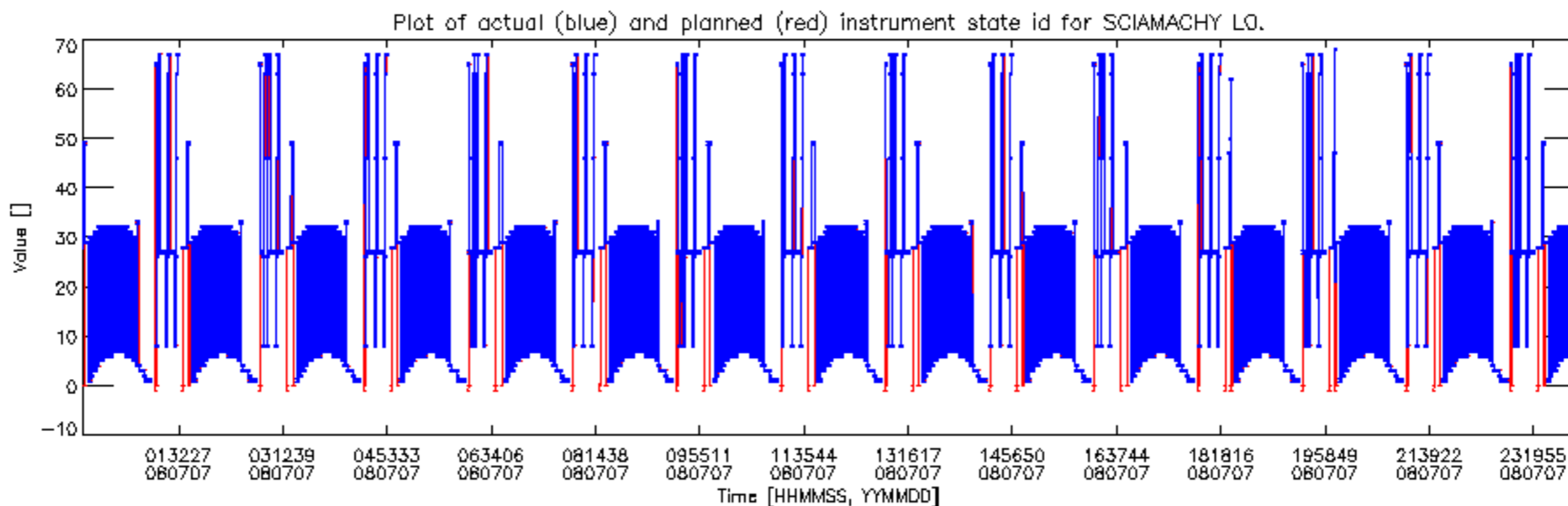












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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