

## 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	07JUN2008 04:18:11
Data source version	KSPT_L0/4303-N
Processing scope for products	03JUN2008 00:00:00 to 04JUN2008 00:00:00
Start time of first product within scope	02JUN2008 23:06:35
Stop time of last product within scope	04JUN2008 00:16:23
Total number of level 0 products	16
Number of level 0 products with errors	0

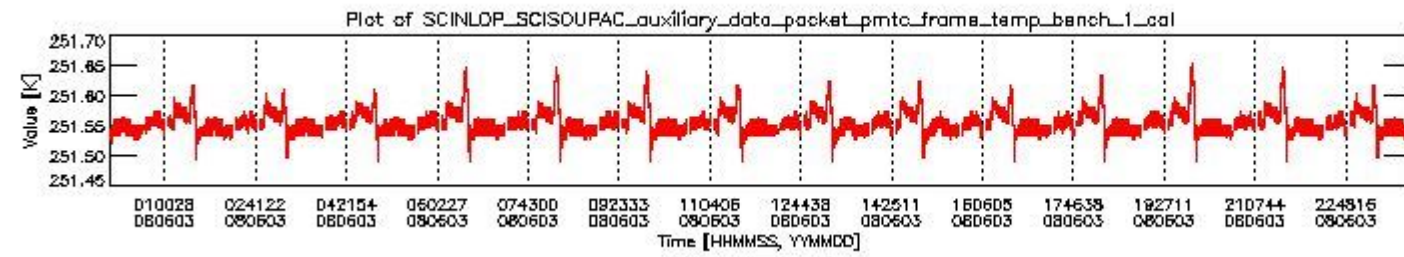
### 0.1.2 Summary per product

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

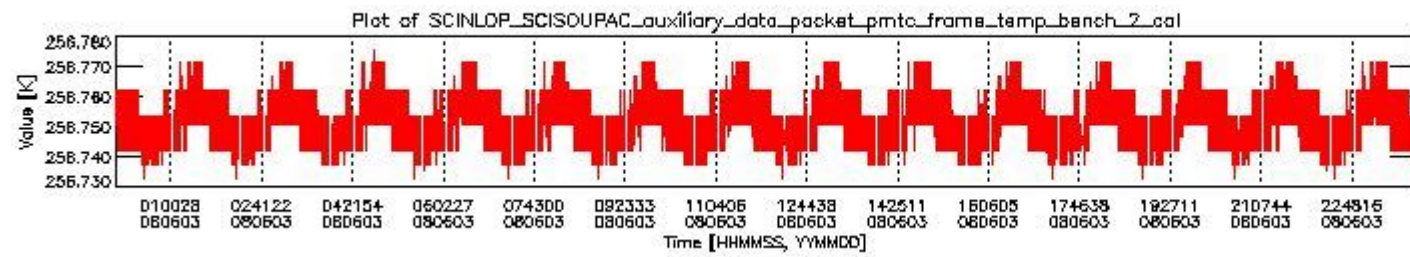
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080602_230635_000061752069_00101_32720_6890.N1	02JUN2008 23:06:35	03JUN2008 00:49:30	0	0	0	0	0
1	SCI_NL__OPNPDE20080603_004847_000057322069_00102_32721_6891.N1	03JUN2008 00:48:47	03JUN2008 02:24:19	0	0	0	0	0
2	SCI_NL__OPNPDE20080603_022419_000046082069_00103_32722_6892.N1	03JUN2008 02:24:19	03JUN2008 03:41:07	0	0	0	0	0
3	SCI_NL__OPNPDE20080603_034107_000061042069_00104_32723_6893.N1	03JUN2008 03:41:07	03JUN2008 05:22:51	0	0	0	0	0
4	SCI_NL__OPNPDE20080603_052155_000060232069_00105_32724_6894.N1	03JUN2008 05:21:55	03JUN2008 07:02:19	0	0	0	0	0
5	SCI_NL__OPNPDK20080603_070219_000041132069_00106_32725_8385.N1	03JUN2008 07:02:19	03JUN2008 08:10:52	0	0	0	0	0
6	SCI_NL__OPNPDK20080603_080956_000061472069_00107_32726_8386.N1	03JUN2008 08:09:56	03JUN2008 09:52:24	0	0	0	0	0
7	SCI_NL__OPNPDK20080603_095224_000059802069_00108_32727_8387.N1	03JUN2008 09:52:24	03JUN2008 11:32:03	0	0	0	0	0
8	SCI_NL__OPNPDK20080603_113108_000059672069_00109_32728_8388.N1	03JUN2008 11:31:08	03JUN2008 13:10:35	0	0	0	0	0
9	SCI_NL__OPNPDK20080603_131035_000059112069_00110_32729_8389.N1	03JUN2008 13:10:35	03JUN2008 14:49:06	0	0	0	0	0
10	SCI_NL__OPNPDK20080603_144906_000058432069_00111_32730_8390.N1	03JUN2008 14:49:06	03JUN2008 16:26:29	0	0	0	0	0
11	SCI_NL__OPNPDK20080603_162629_000058702069_00112_32731_8391.N1	03JUN2008 16:26:29	03JUN2008 18:04:19	0	0	0	0	0
12	SCI_NL__OPNPDK20080603_180215_000060922069_00113_32732_8392.N1	03JUN2008 18:02:15	03JUN2008 19:43:47	0	0	0	0	0
13	SCI_NL__OPNPDE20080603_194251_000040332069_00114_32733_6895.N1	03JUN2008 19:42:51	03JUN2008 20:50:04	0	0	0	0	0
14	SCI_NL__OPNPDE20080603_204840_000064592069_00114_32733_6896.N1	03JUN2008 20:48:40	03JUN2008 22:36:19	0	0	0	0	0
15	SCI_NL__OPNPDE20080603_223456_000060882069_00115_32734_6897.N1	03JUN2008 22:34:56	04JUN2008 00:16:23	0	0	0	0	0

## 0.2 Product Quality Indicators

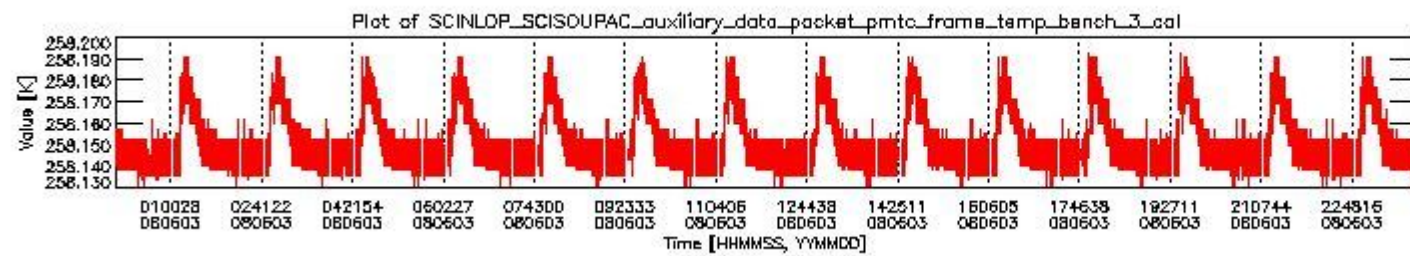
This section shows information about product quality, currently temperatures.



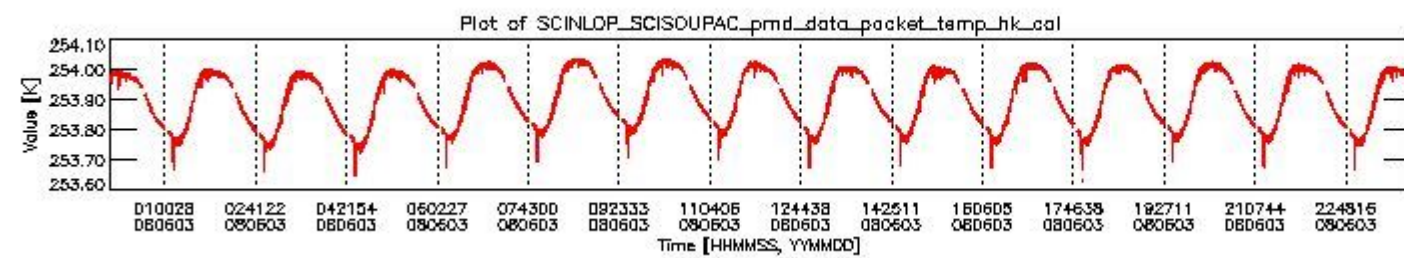
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080603\_0.PNG



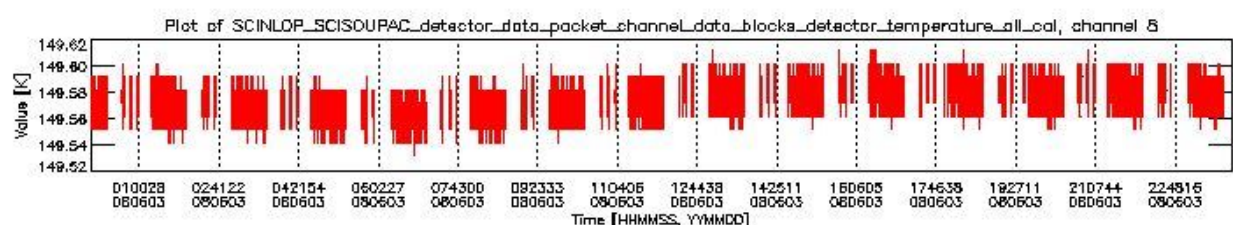
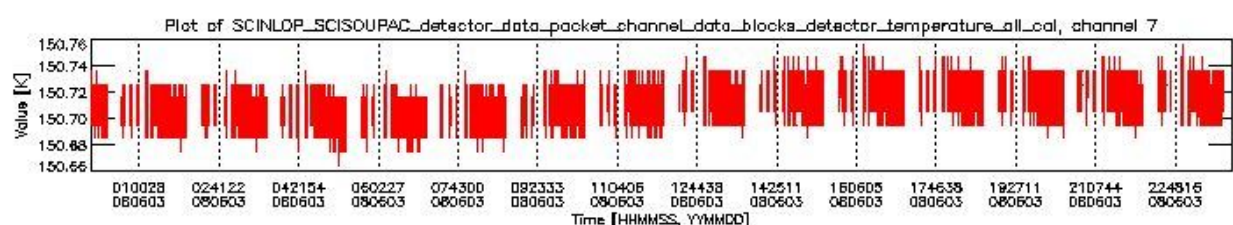
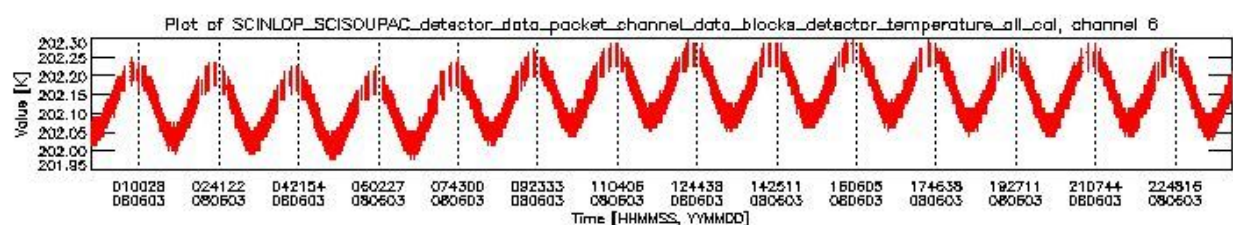
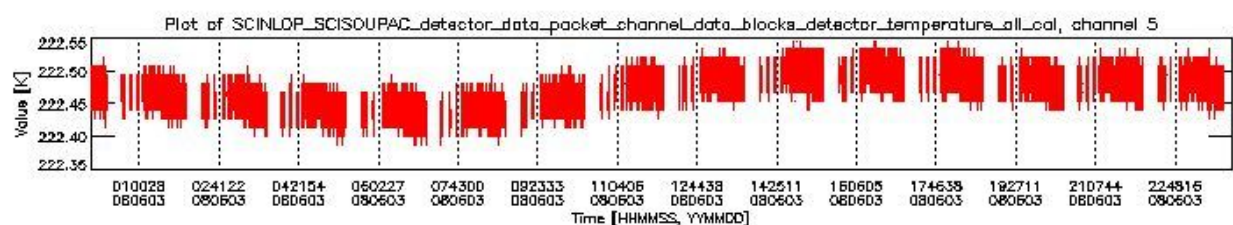
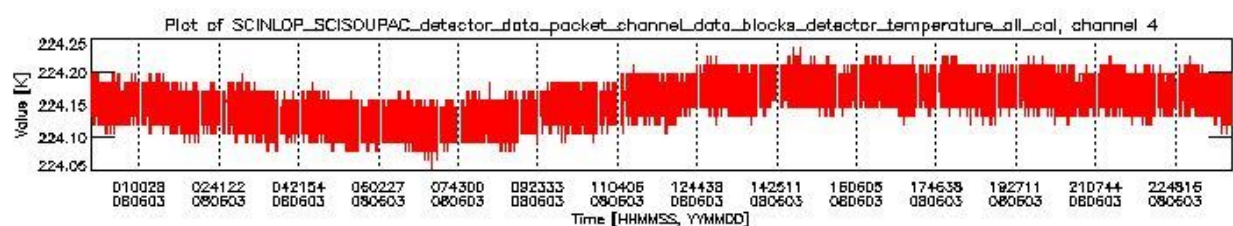
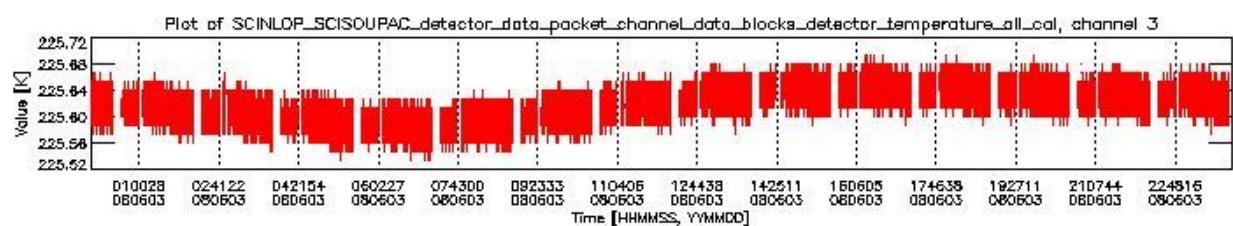
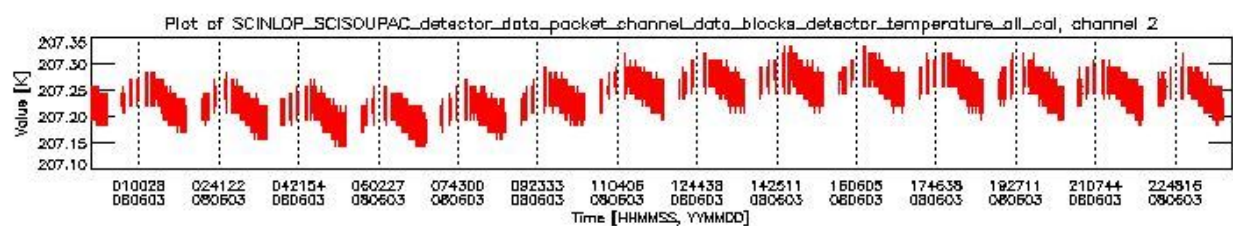
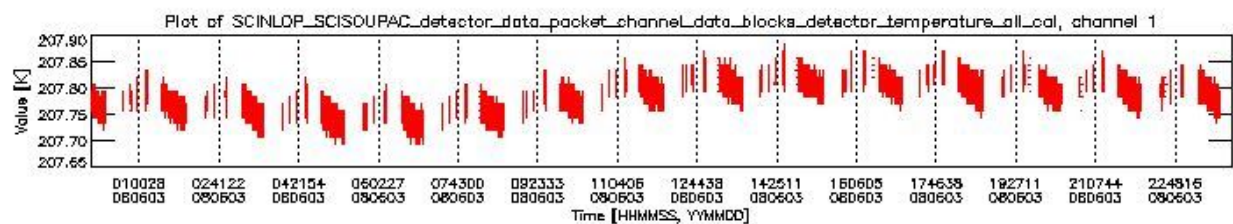
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080603\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080603\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080603\_3.PNG

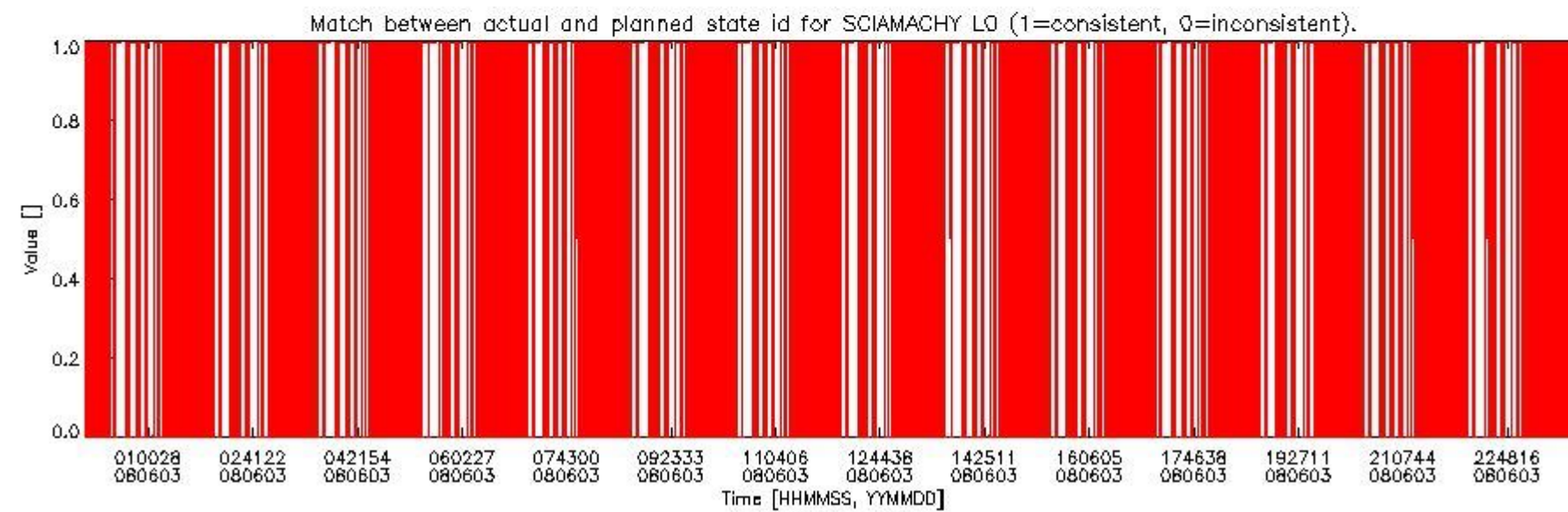
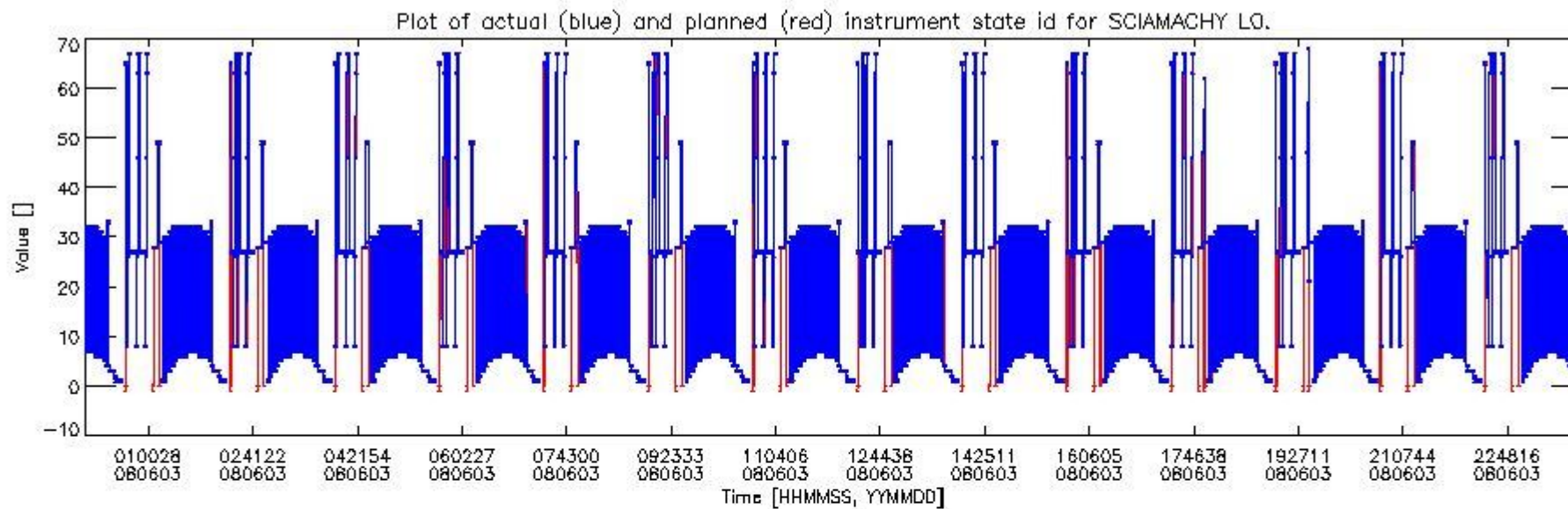


### 0.3 State monitoring

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: **34856**

#	Actual time	Actual value	Planned time	Planned value
0	03JUN2008 00:00:20.113751	32	03JUN2008 00:00:20.113751	7
1	03JUN2008 00:00:20.738733	32	03JUN2008 00:00:20.738733	7
2	03JUN2008 00:00:21.113746	32	03JUN2008 00:00:21.113746	7
3	03JUN2008 00:00:21.488759	32	03JUN2008 00:00:21.488759	7
4	03JUN2008 00:00:22.051258	32	03JUN2008 00:00:22.051258	7
5	03JUN2008 00:00:22.426231	32	03JUN2008 00:00:22.426231	7
6	03JUN2008 00:00:22.801244	32	03JUN2008 00:00:22.801244	7
7	03JUN2008 00:00:23.176257	32	03JUN2008 00:00:23.176257	7
8	03JUN2008 00:00:23.738757	32	03JUN2008 00:00:23.738757	7
9	03JUN2008 00:00:24.113730	32	03JUN2008 00:00:24.113730	7
10	03JUN2008 00:00:24.488743	32	03JUN2008 00:00:24.488743	7
11	03JUN2008 00:00:24.863756	32	03JUN2008 00:00:24.863756	7
12	03JUN2008 00:00:25.113764	32	03JUN2008 00:00:25.113764	7
13	03JUN2008 00:00:25.426255	32	03JUN2008 00:00:25.426255	7
14	03JUN2008 00:00:25.801268	32	03JUN2008 00:00:25.801268	7
15	03JUN2008 00:00:26.176241	32	03JUN2008 00:00:26.176241	7
16	03JUN2008 00:00:26.551254	32	03JUN2008 00:00:26.551254	7
17	03JUN2008 00:00:27.113754	32	03JUN2008 00:00:27.113754	7
18	03JUN2008 00:00:27.488767	32	03JUN2008 00:00:27.488767	7
19	03JUN2008 00:00:27.863739	32	03JUN2008 00:00:27.863739	7
	...	...	...	...

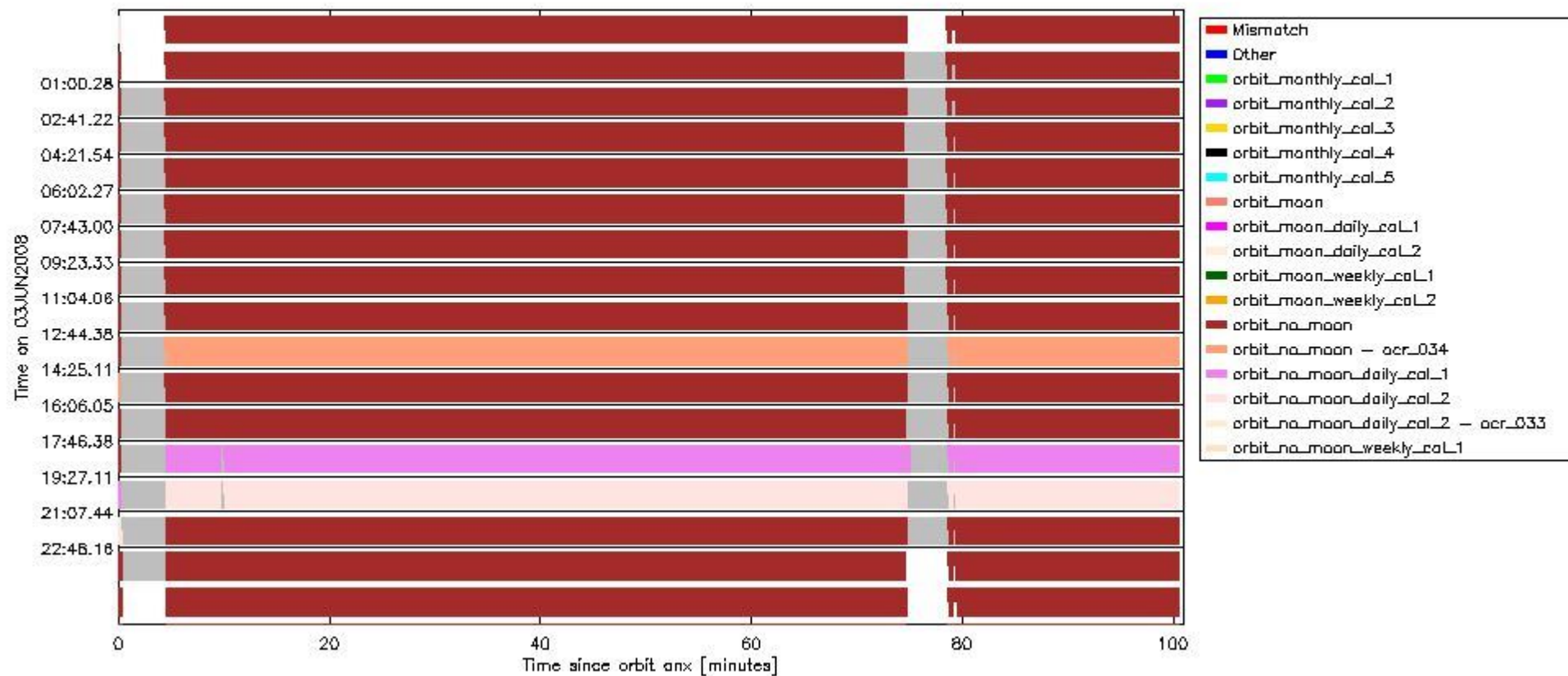


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080603\_5.PNG

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 Q3JUN2008.  
 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\_20080603\_6.PNG

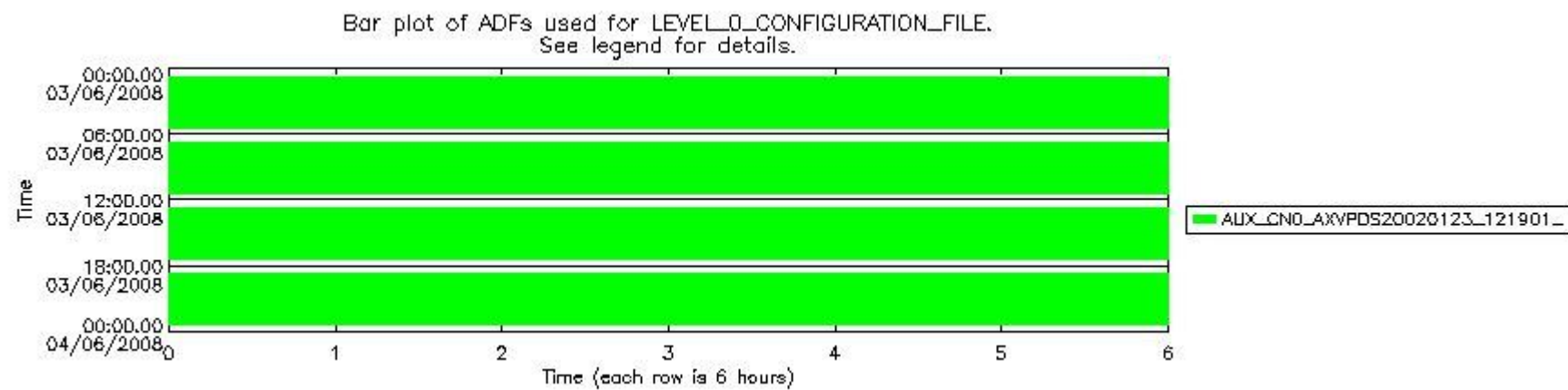
## 0.4 ADF monitoring

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

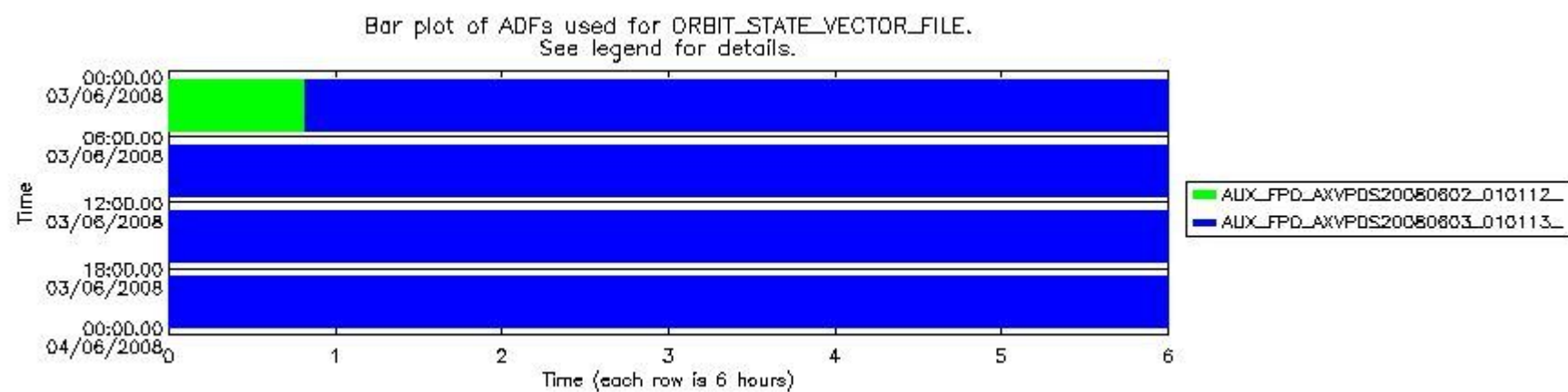
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

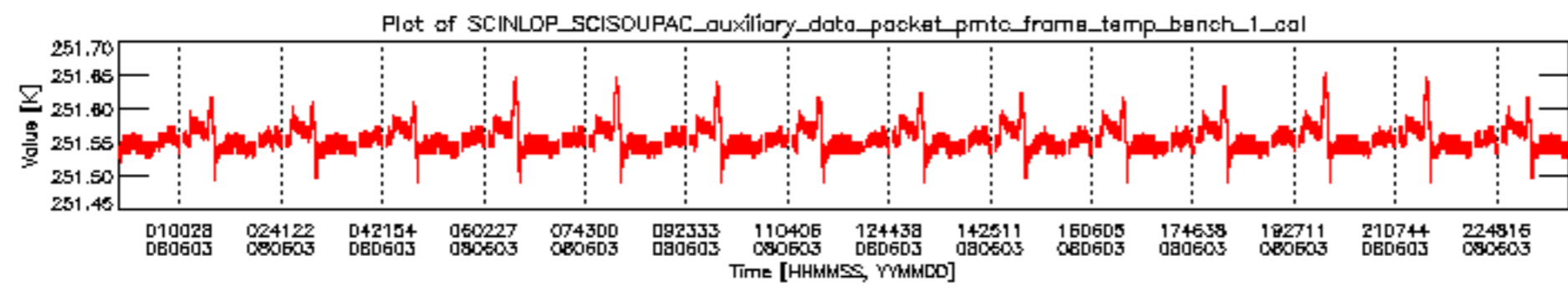
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080602_010112_20080601_184948_20080611_201602
2	AUX_FPO_AXVPDS20080603_010113_20080602_195847_20080612_212501



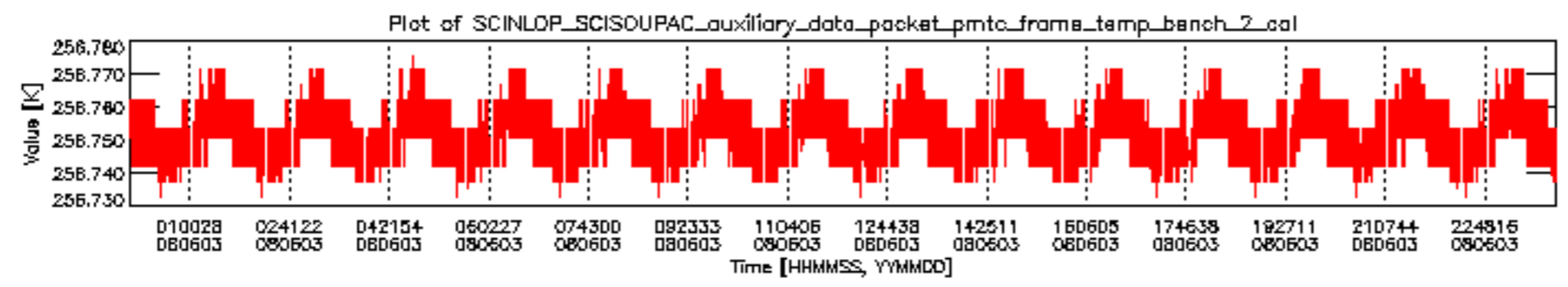
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080603\_7.PNG

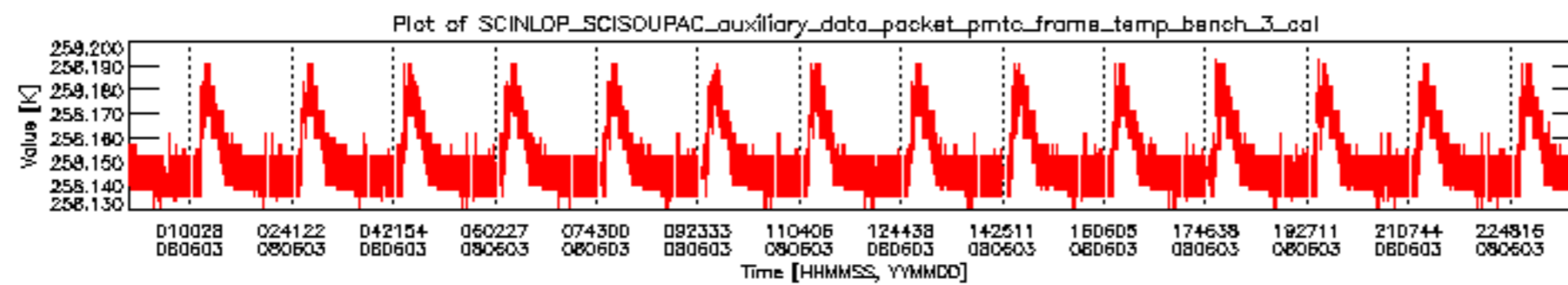


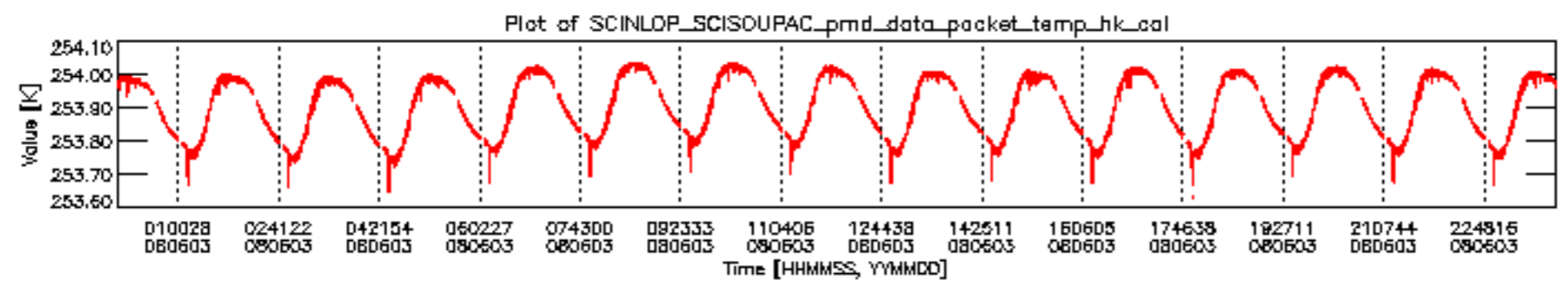
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080603\_8.PNG

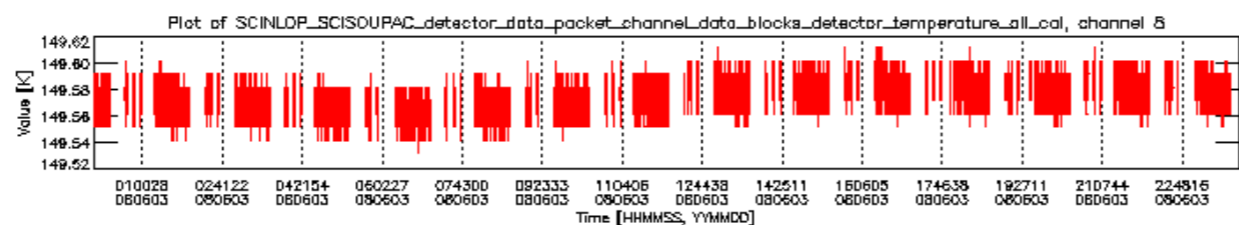
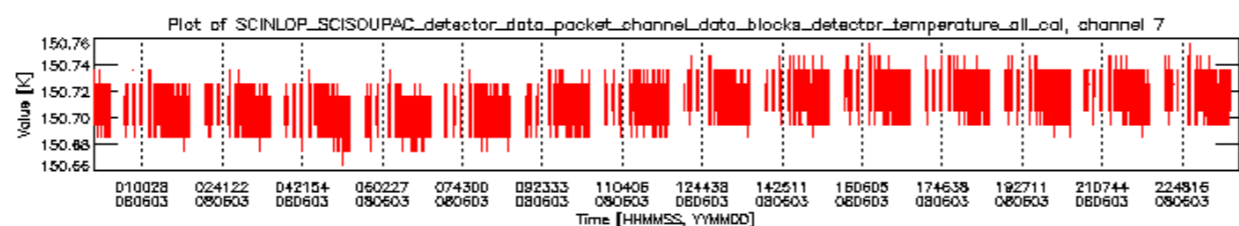
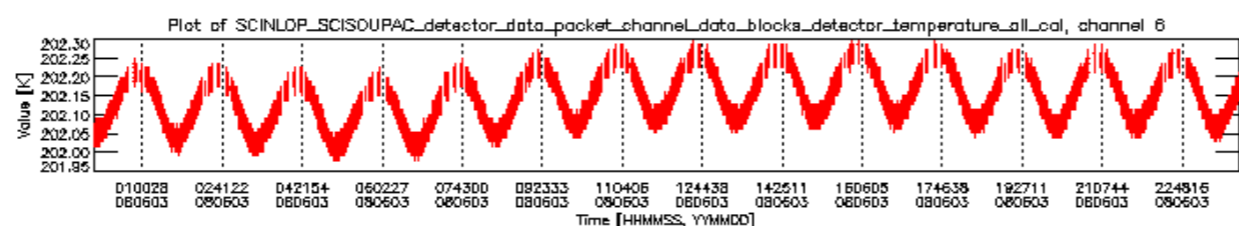
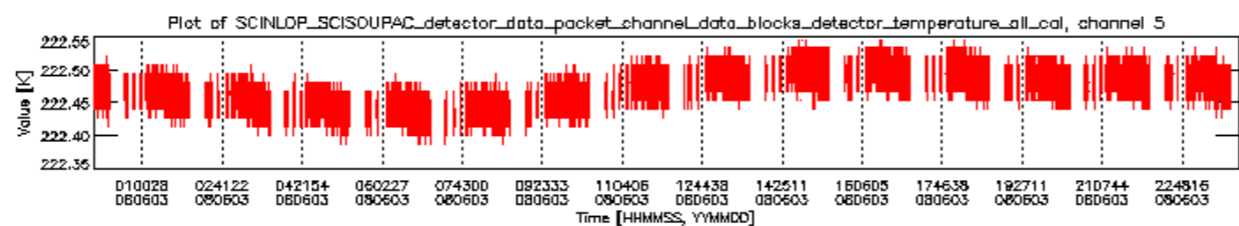
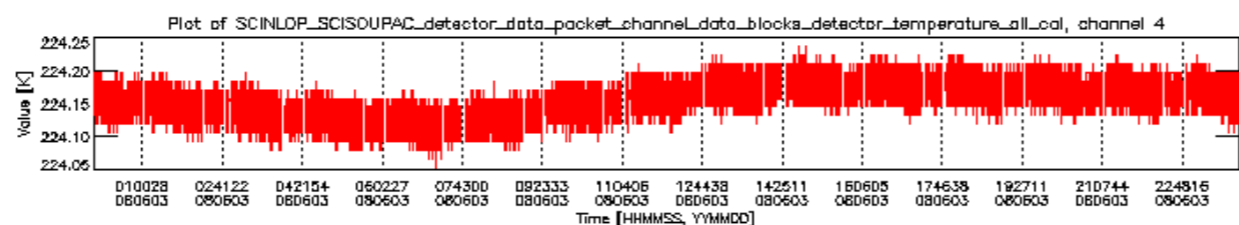
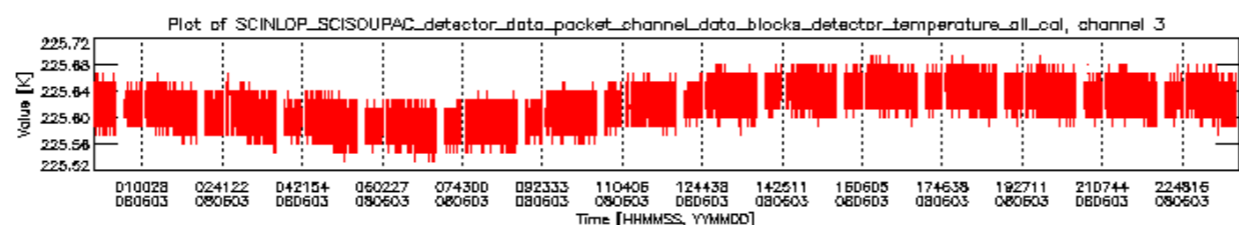
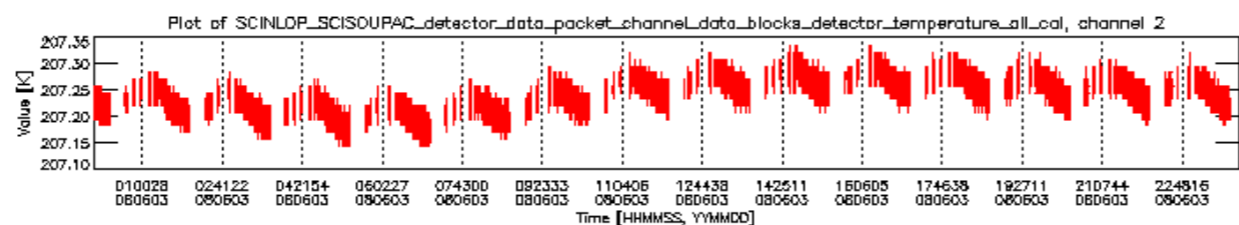
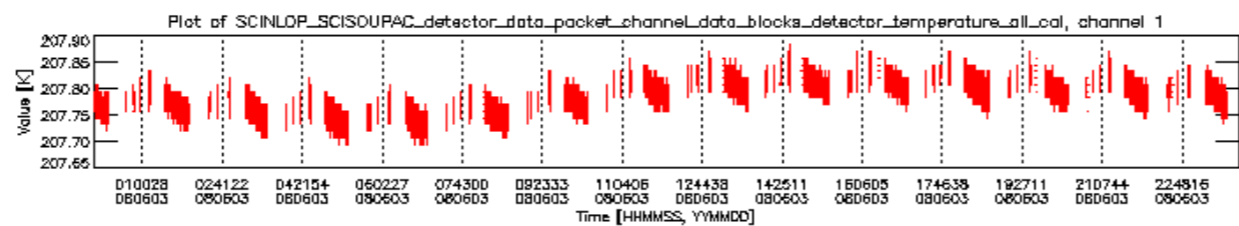


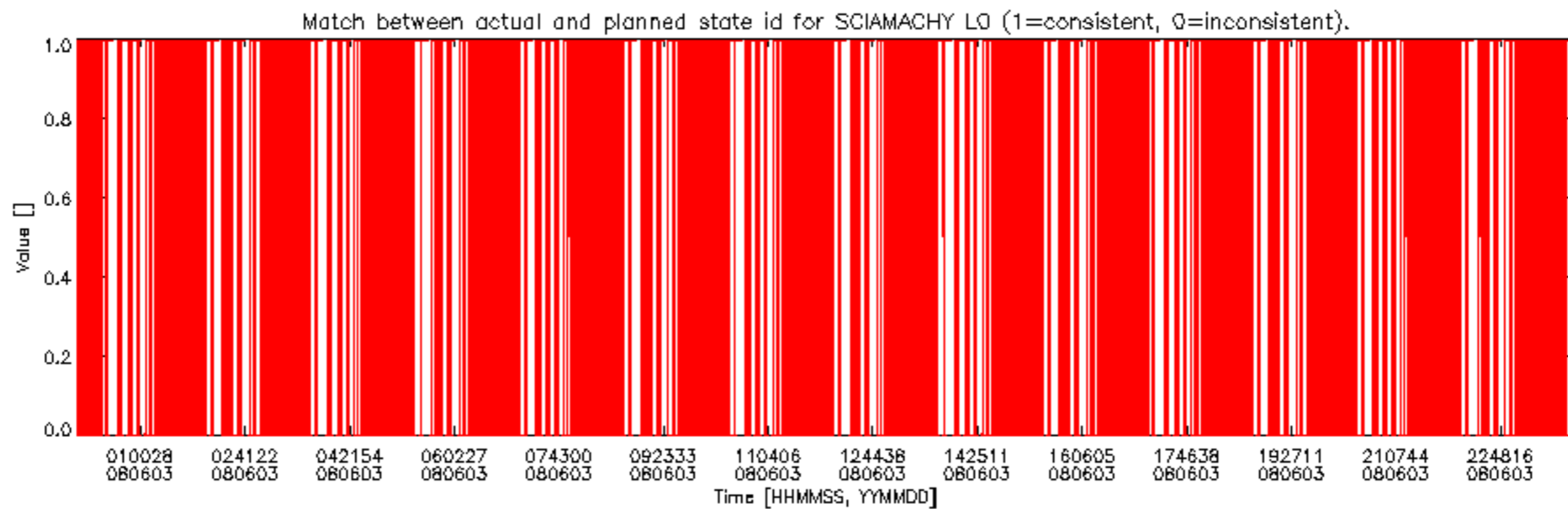
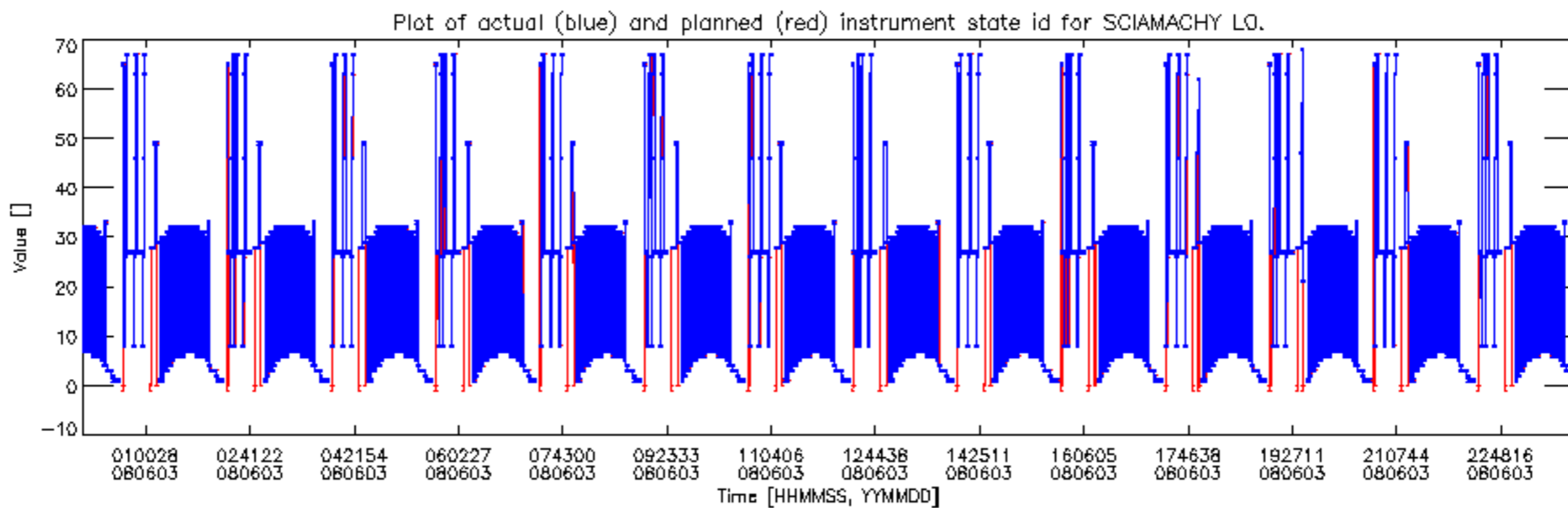












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 03JUN2008.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
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