

## 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	16AUG2008 05:23:20
Data source version	KSPT_L0/4303-N
Processing scope for products	12AUG2008 00:00:00 to 13AUG2008 00:00:00
Start time of first product within scope	11AUG2008 23:08:19
Stop time of last product within scope	13AUG2008 00:18:00
Total number of level 0 products	16
Number of level 0 products with errors	0

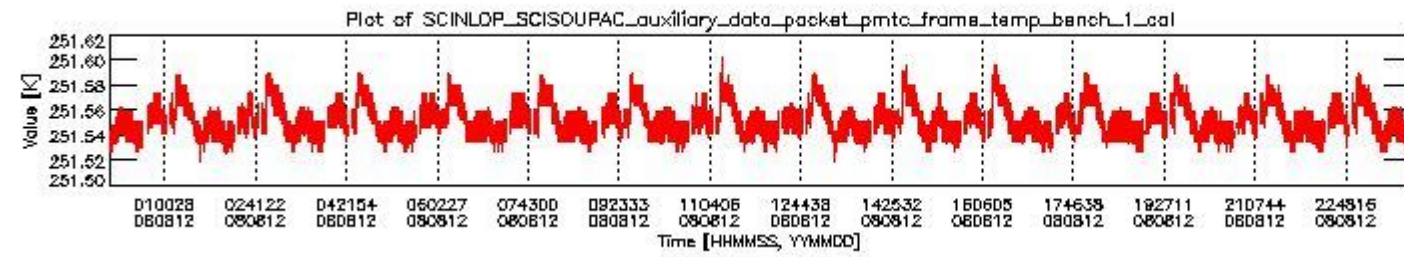
### 0.1.2 Summary per product

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

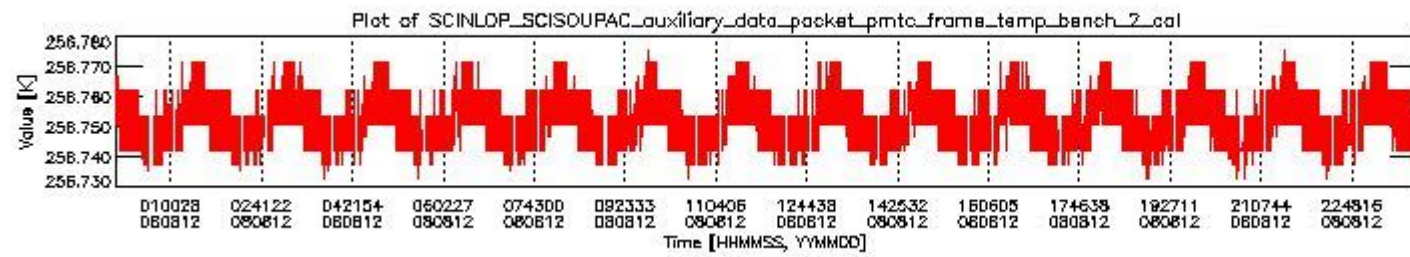
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080811_230819_000060392071_00101_33722_7293.N1	11AUG2008 23:08:19	12AUG2008 00:48:58	0	0	0	0	0
1	SCI_NL__OPNPDE20080812_004810_000057772071_00102_33723_7294.N1	12AUG2008 00:48:10	12AUG2008 02:24:27	0	0	0	0	0
2	SCI_NL__OPNPDE20080812_022307_000046702071_00103_33724_7295.N1	12AUG2008 02:23:07	12AUG2008 03:40:57	0	0	0	0	0
3	SCI_NL__OPNPDE20080812_033948_000061612071_00104_33725_7296.N1	12AUG2008 03:39:48	12AUG2008 05:22:29	0	0	0	0	0
4	SCI_NL__OPNPDE20080812_052229_000061052071_00105_33726_7297.N1	12AUG2008 05:22:29	12AUG2008 07:04:14	0	0	0	0	0
5	SCI_NL__OPNPDK20080812_070305_000040452071_00106_33727_9017.N1	12AUG2008 07:03:05	12AUG2008 08:10:31	0	0	0	0	0
6	SCI_NL__OPNPDK20080812_081031_000061052071_00107_33728_9018.N1	12AUG2008 08:10:31	12AUG2008 09:52:16	0	0	0	0	0
7	SCI_NL__OPNPDK20080812_095107_000060362071_00108_33729_9019.N1	12AUG2008 09:51:07	12AUG2008 11:31:43	0	0	0	0	0
8	SCI_NL__OPNPDK20080812_113035_000060492071_00109_33730_9020.N1	12AUG2008 11:30:35	12AUG2008 13:11:24	0	0	0	0	0
9	SCI_NL__OPNPDK20080812_131124_000058992071_00110_33731_9021.N1	12AUG2008 13:11:24	12AUG2008 14:49:43	0	0	0	0	0
10	SCI_NL__OPNPDK20080812_144847_000059122071_00111_33732_9022.N1	12AUG2008 14:48:47	12AUG2008 16:27:19	0	0	0	0	0
11	SCI_NL__OPNPDK20080812_162514_000059312071_00112_33733_9023.N1	12AUG2008 16:25:14	12AUG2008 18:04:05	0	0	0	0	0
12	SCI_NL__OPNPDK20080812_180256_000060492071_00113_33734_9024.N1	12AUG2008 18:02:56	12AUG2008 19:43:45	0	0	0	0	0
13	SCI_NL__OPNPDE20080812_194237_000040742071_00114_33735_7298.N1	12AUG2008 19:42:37	12AUG2008 20:50:31	0	0	0	0	0
14	SCI_NL__OPNPDE20080812_204903_000065522071_00114_33735_7299.N1	12AUG2008 20:49:03	12AUG2008 22:38:16	0	0	0	0	0
15	SCI_NL__OPNPDE20080812_223648_000060722071_00115_33736_7300.N1	12AUG2008 22:36:48	13AUG2008 00:18:00	0	0	0	0	0

## 0.2 Product Quality Indicators

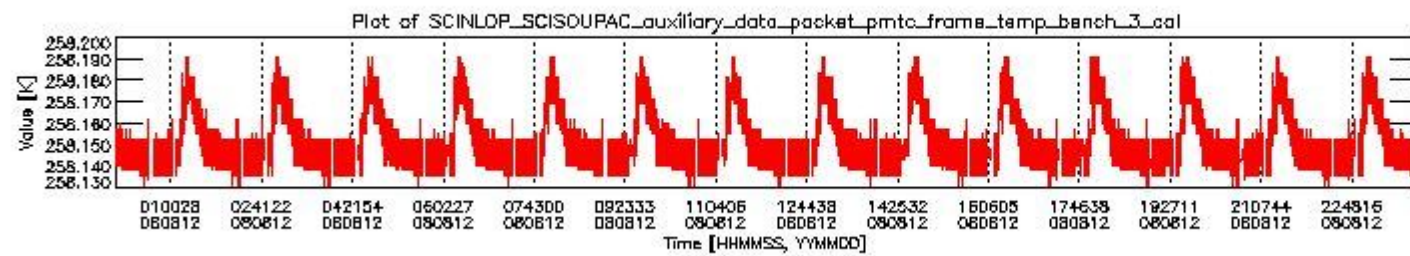
This section shows information about product quality, currently temperatures.



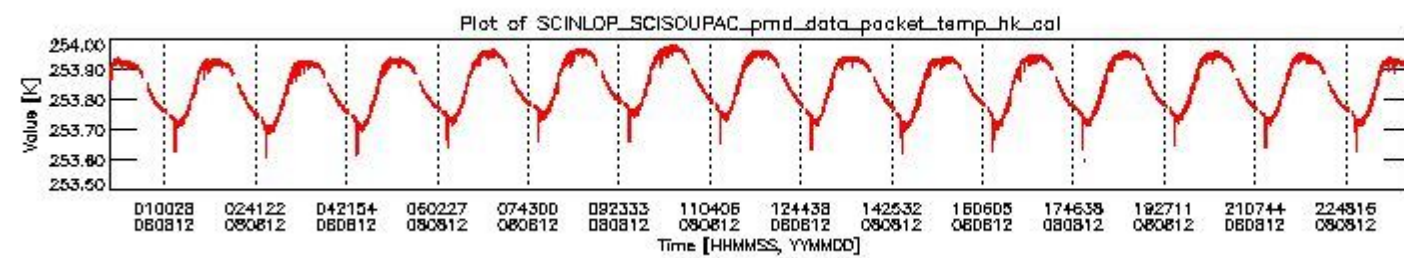
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080812\_0.PNG



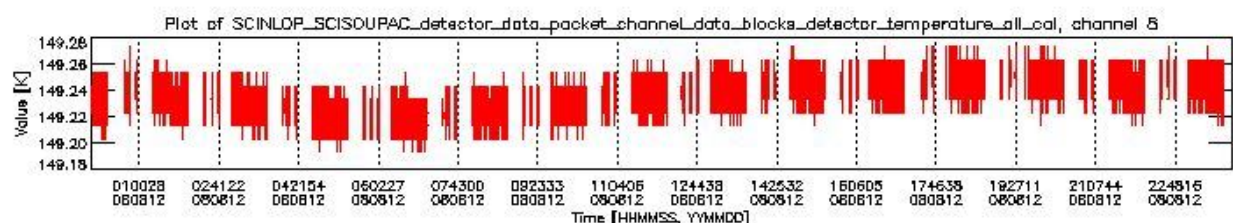
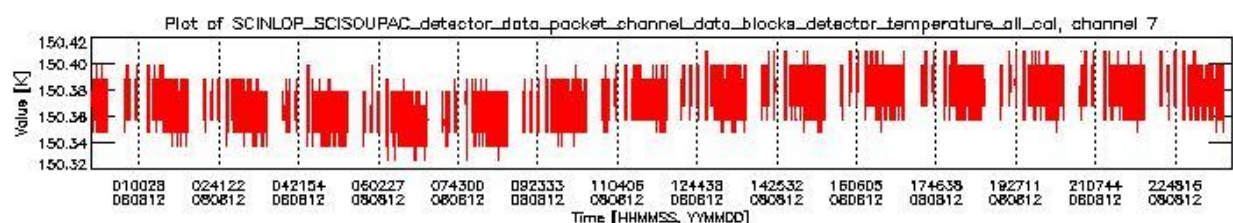
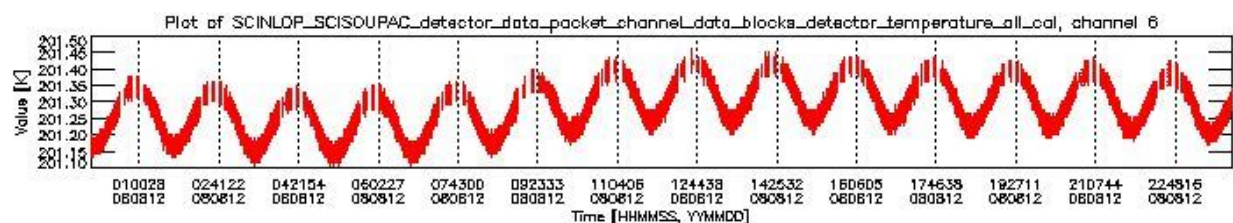
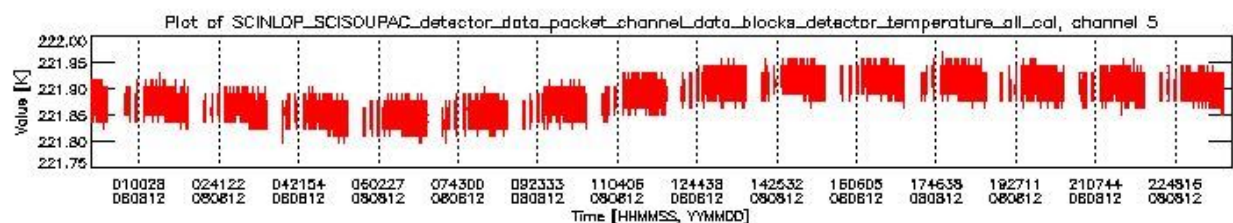
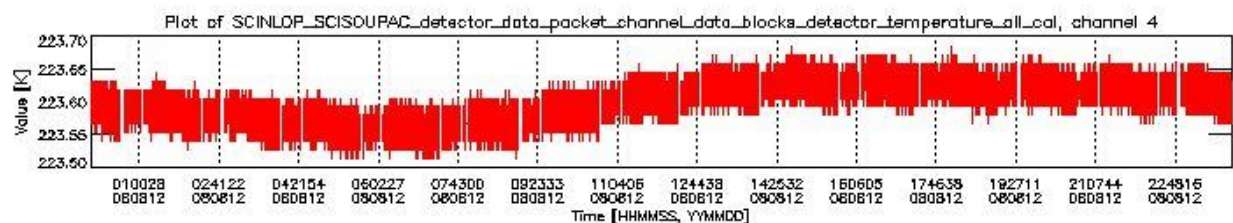
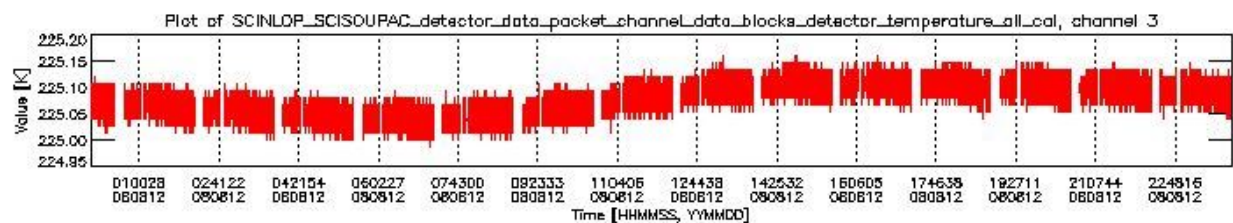
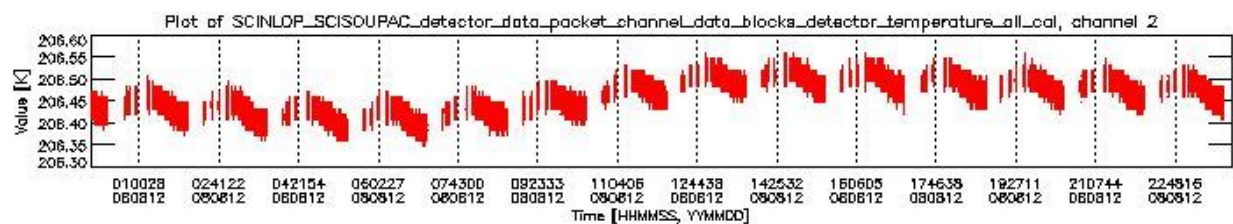
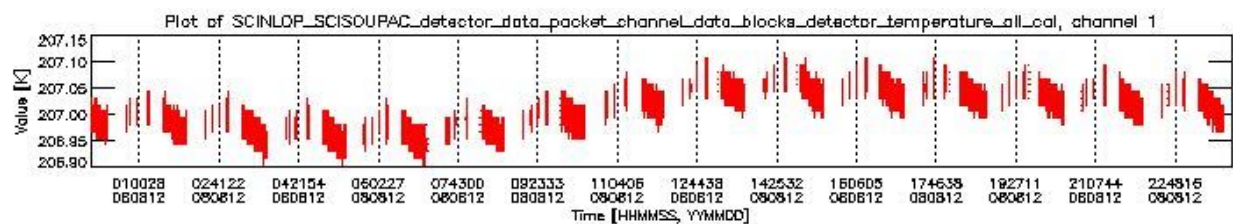
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080812\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080812\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080812\_3.PNG

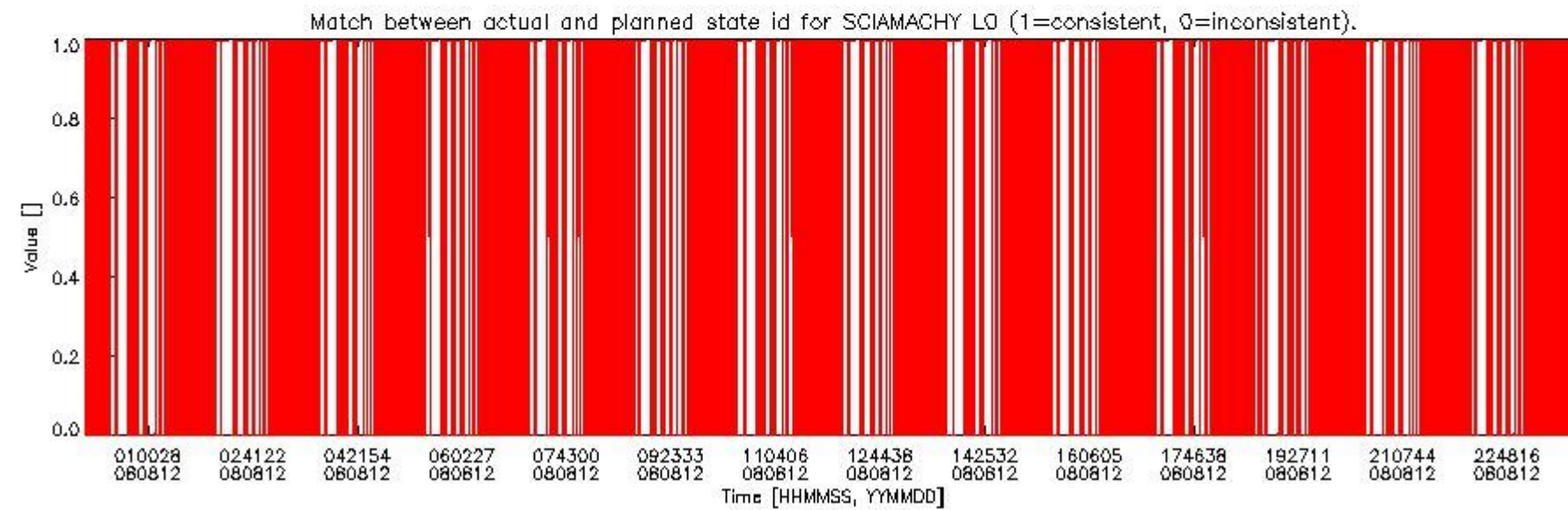
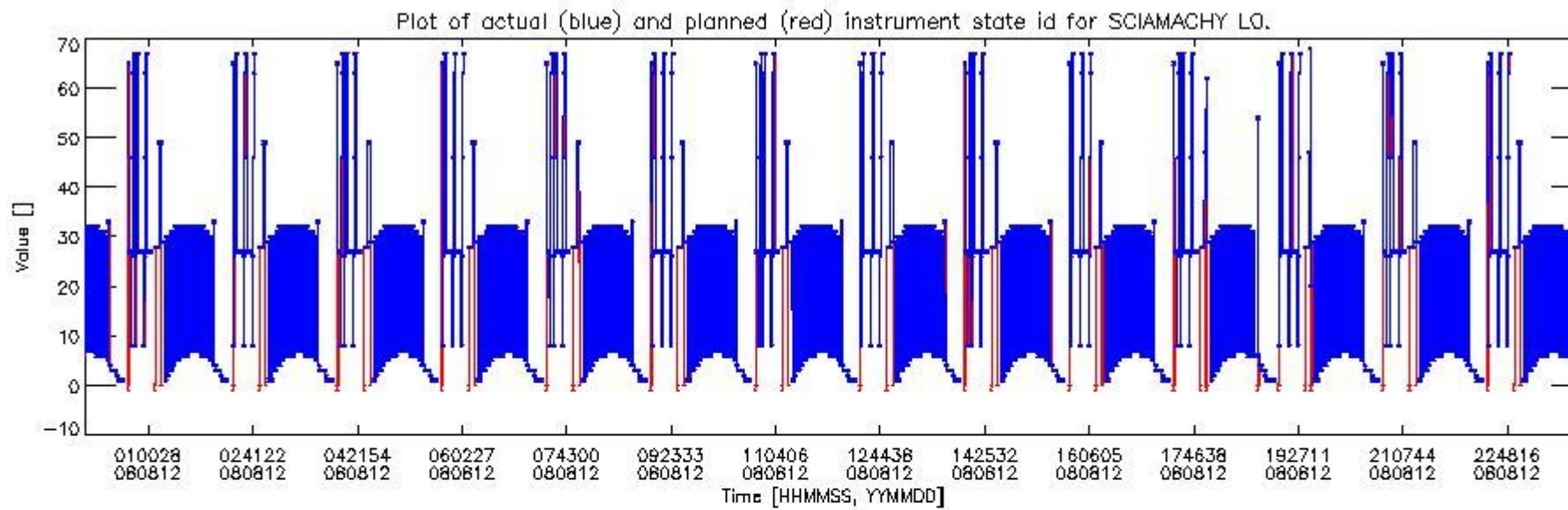


### 0.3 State monitoring

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: **36314**

#	Actual time	Actual value	Planned time	Planned value
0	12AUG2008 00:00:00.219753	7	12AUG2008 00:00:00.219753	32
1	12AUG2008 00:00:00.469762	7	12AUG2008 00:00:00.469762	32
2	12AUG2008 00:00:00.719731	7	12AUG2008 00:00:00.719731	32
3	12AUG2008 00:00:00.969739	7	12AUG2008 00:00:00.969739	32
4	12AUG2008 00:00:01.219748	7	12AUG2008 00:00:01.219748	32
5	12AUG2008 00:00:01.344752	7	12AUG2008 00:00:01.344752	32
6	12AUG2008 00:00:01.469757	7	12AUG2008 00:00:01.469757	32
7	12AUG2008 00:00:01.719765	7	12AUG2008 00:00:01.719765	32
8	12AUG2008 00:00:01.969734	7	12AUG2008 00:00:01.969734	32
9	12AUG2008 00:00:02.219743	7	12AUG2008 00:00:02.219743	32
10	12AUG2008 00:00:02.469751	7	12AUG2008 00:00:02.469751	32
11	12AUG2008 00:00:02.719760	7	12AUG2008 00:00:02.719760	32
12	12AUG2008 00:00:02.969728	7	12AUG2008 00:00:02.969728	32
13	12AUG2008 00:00:03.219737	7	12AUG2008 00:00:03.219737	32
14	12AUG2008 00:00:03.469746	7	12AUG2008 00:00:03.469746	32
15	12AUG2008 00:00:03.719755	7	12AUG2008 00:00:03.719755	32
16	12AUG2008 00:00:03.969763	7	12AUG2008 00:00:03.969763	32
17	12AUG2008 00:00:04.219732	7	12AUG2008 00:00:04.219732	32
18	12AUG2008 00:01:04.899427	32	12AUG2008 00:01:04.899427	7
19	12AUG2008 00:01:05.524448	32	12AUG2008 00:01:05.524448	7
	...	...	...	...

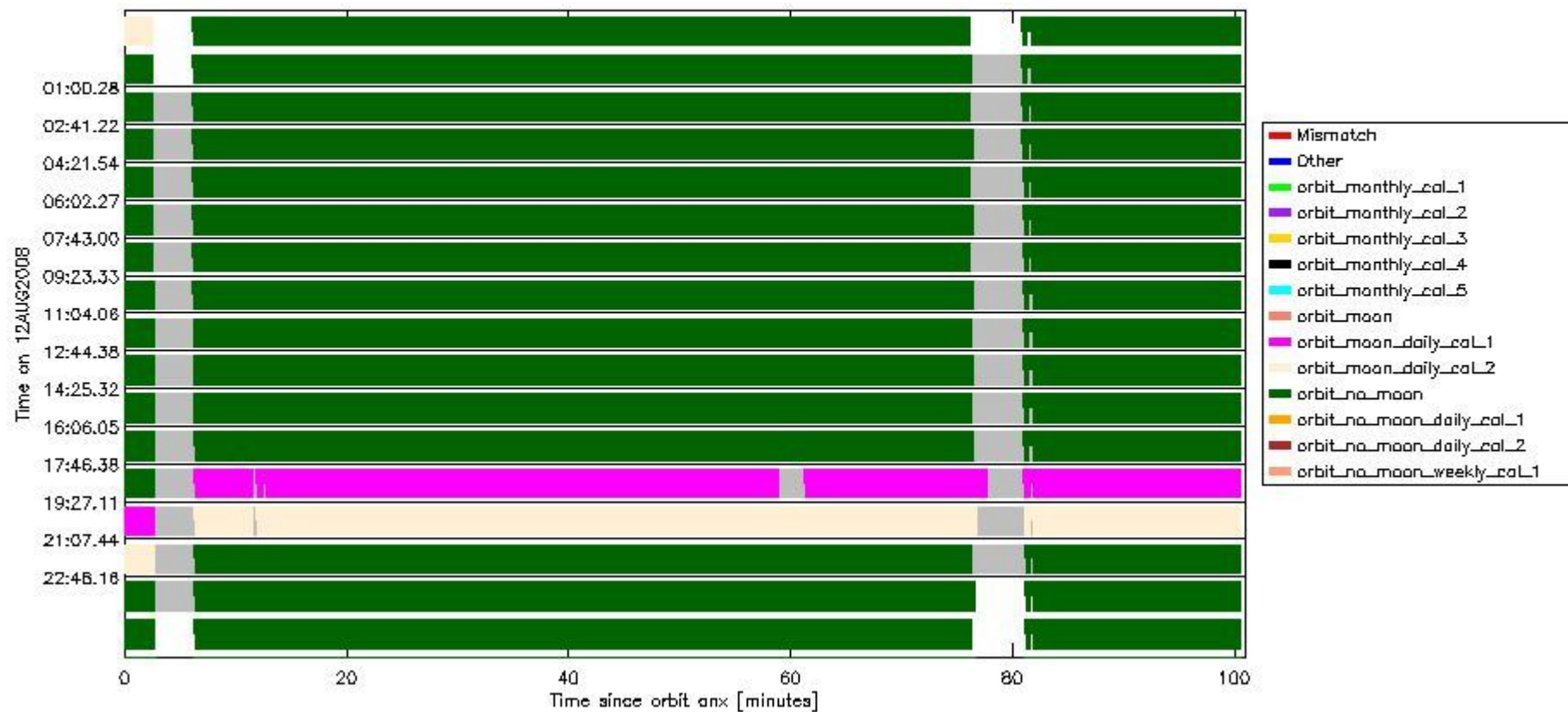


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080812\_5.PNG

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 12AUG2008.  
 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\_20080812\_6.PNG

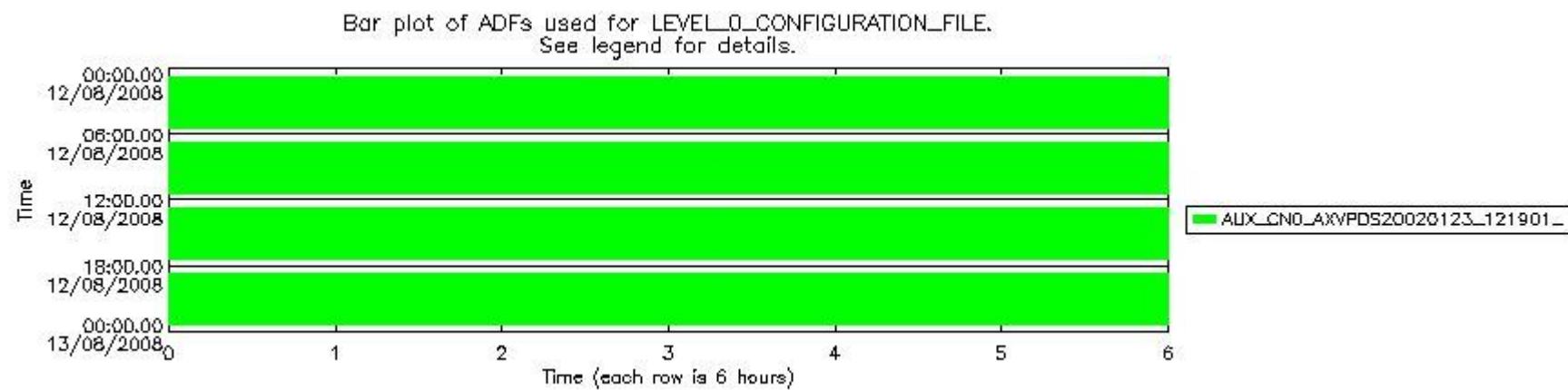
## 0.4 ADF monitoring

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

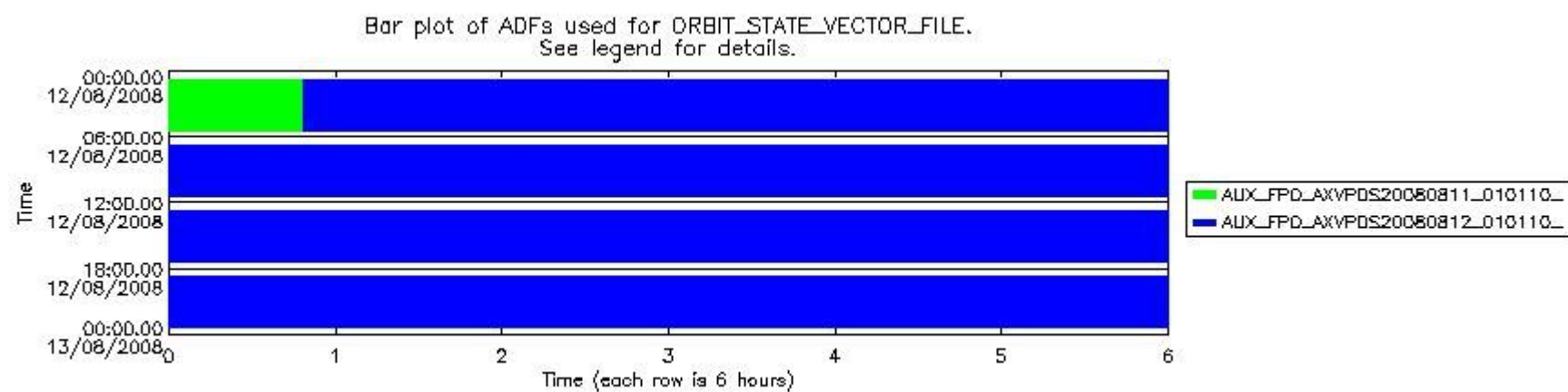
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

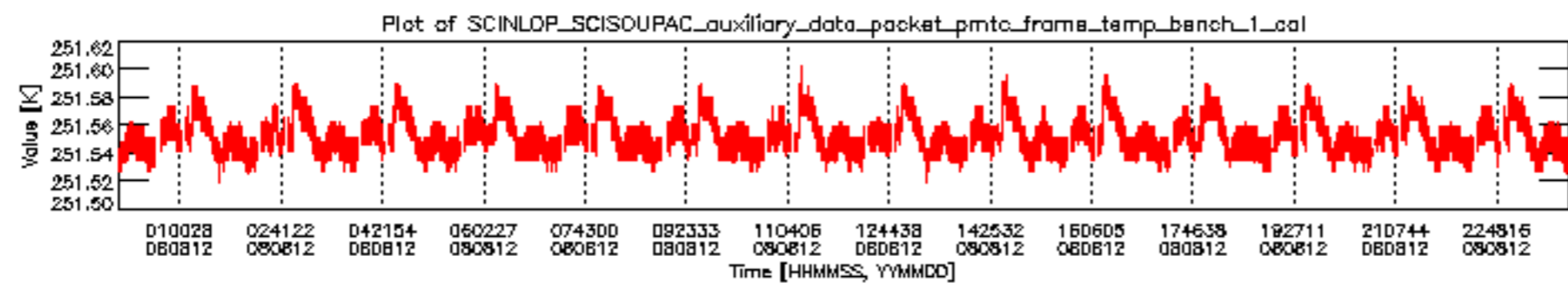
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080811_010110_20080810_184949_20080820_201602
2	AUX_FPO_AXVPDS20080812_010110_20080811_195848_20080821_212500



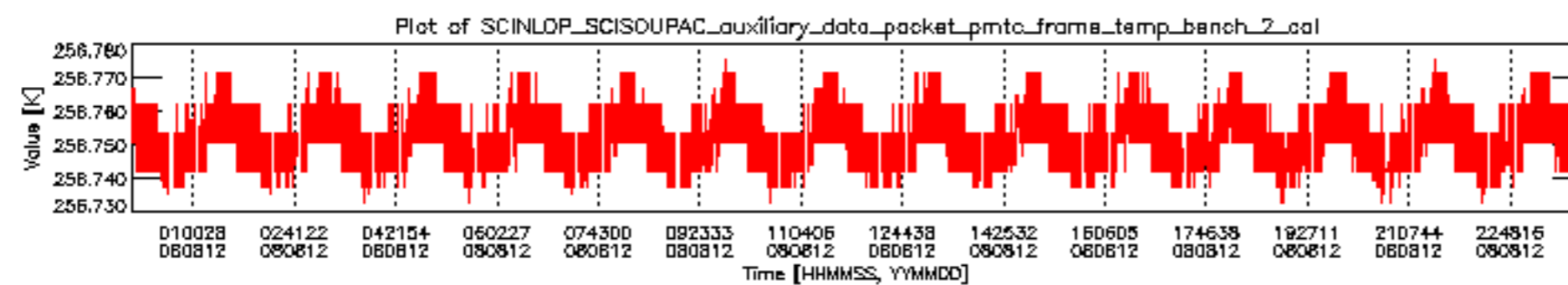
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080812\_7.PNG

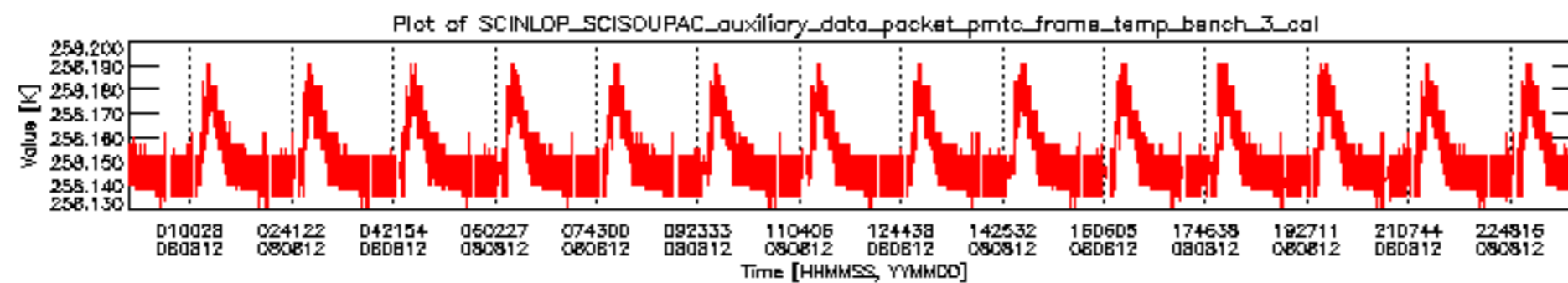


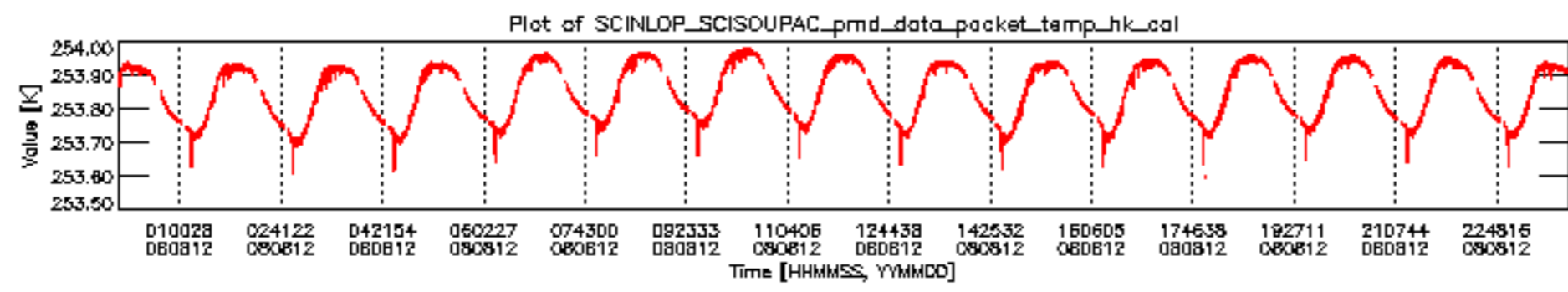
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080812\_8.PNG

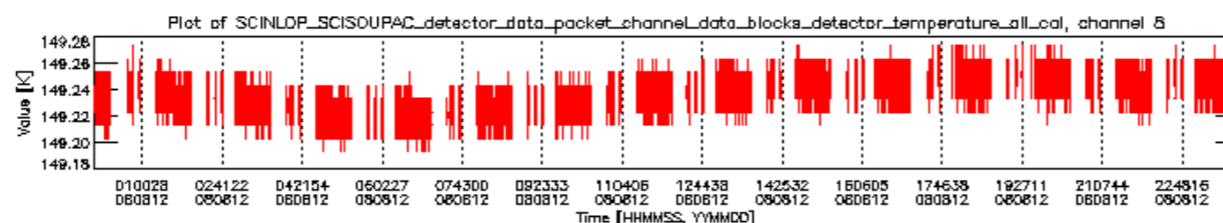
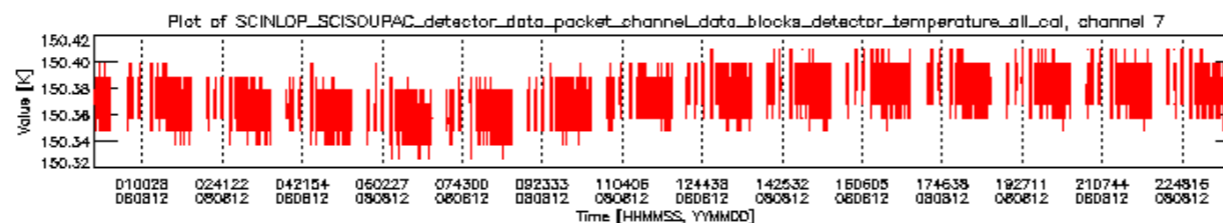
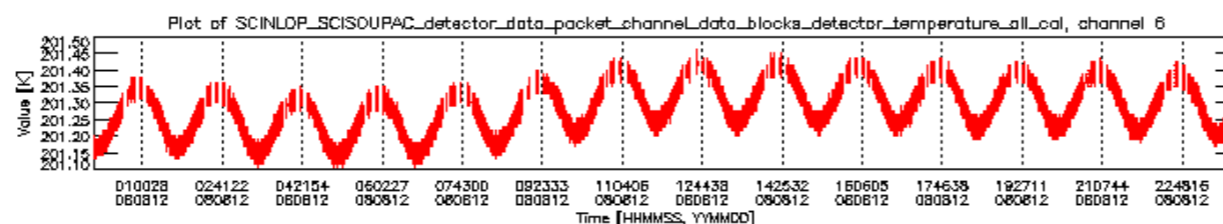
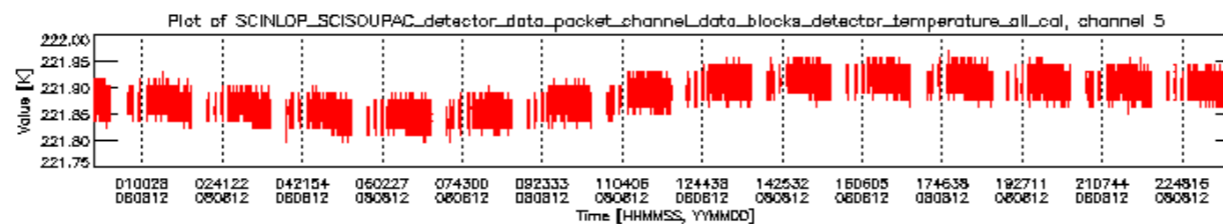
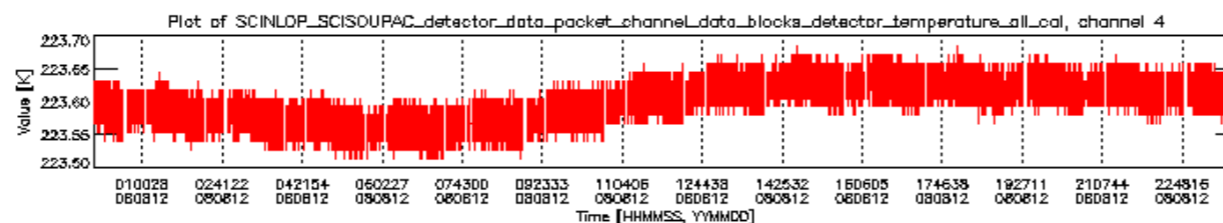
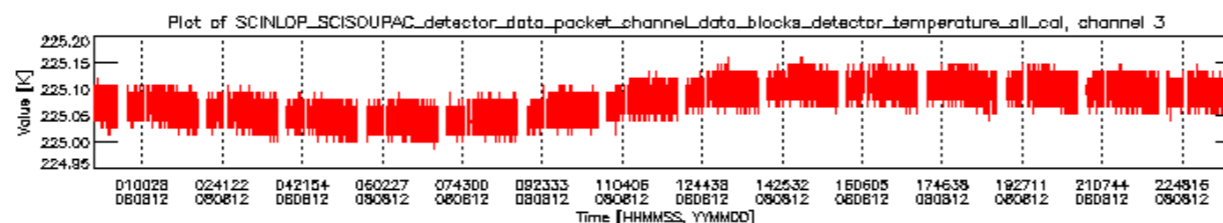
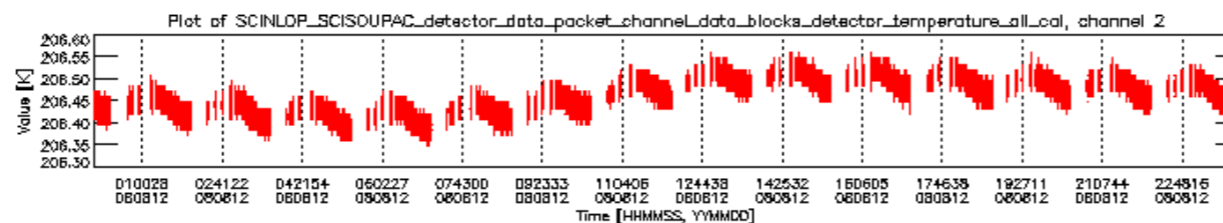
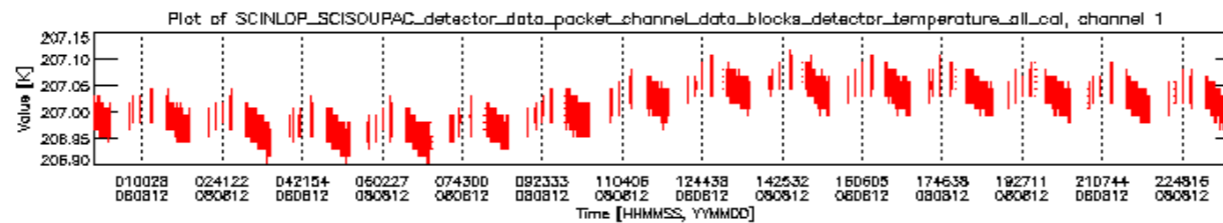


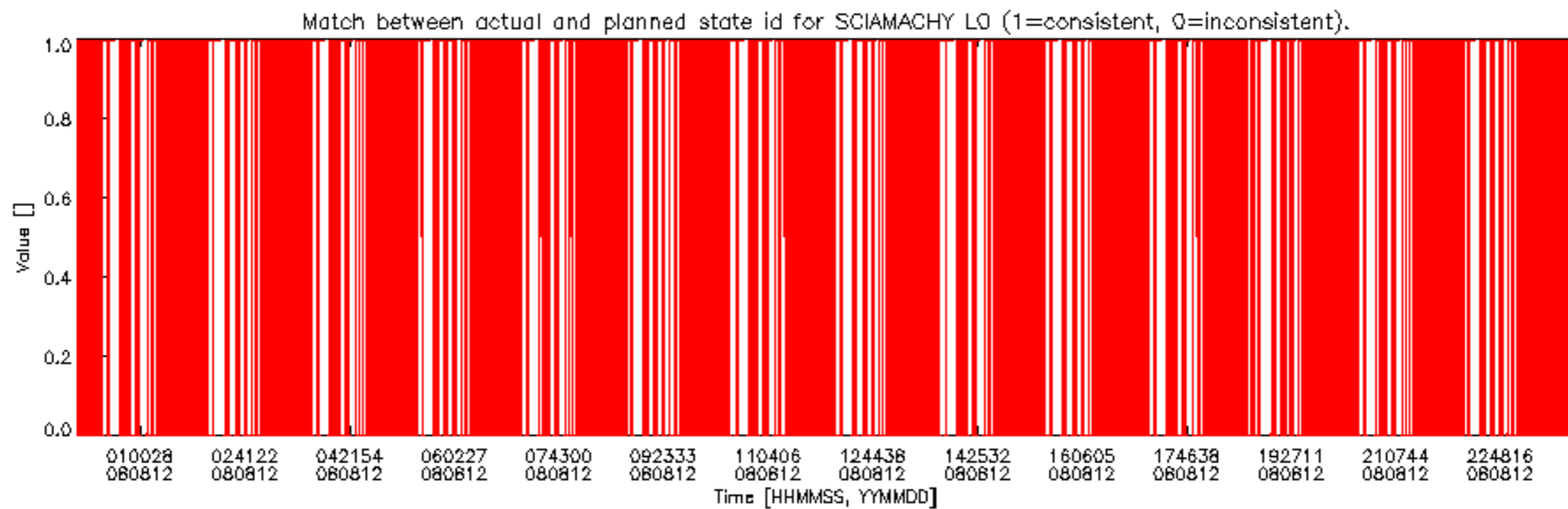
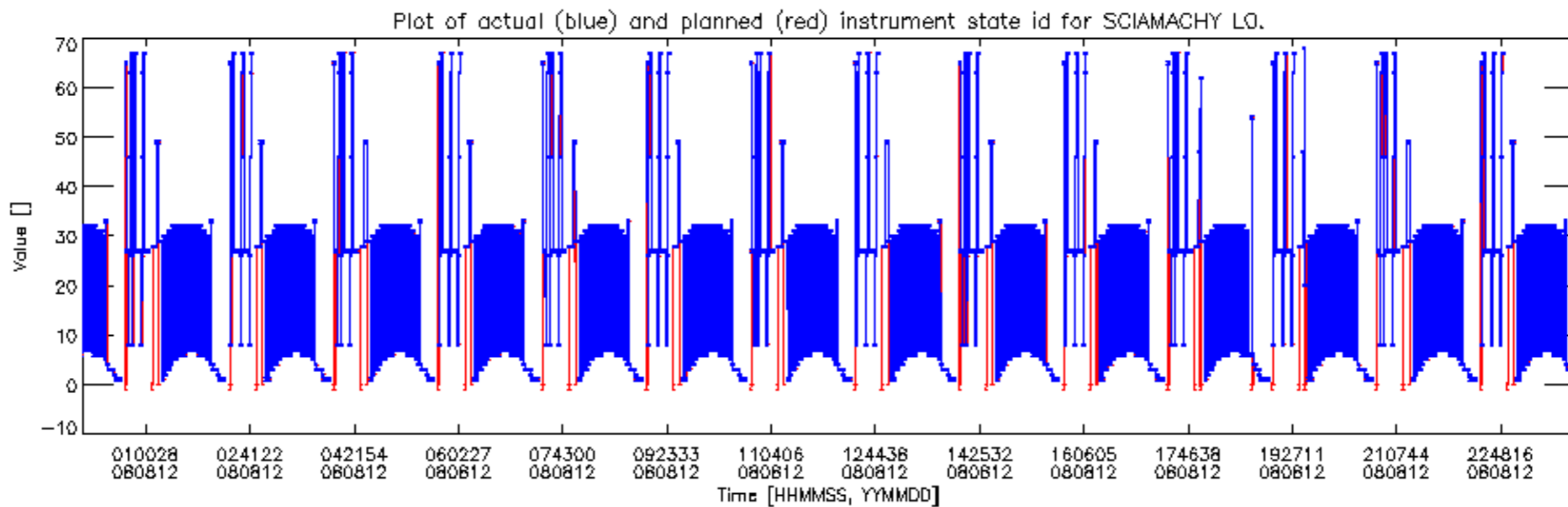












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 12AUG2008.  
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