

## 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	15JUN2008 05:33:42
Data source version	KSPT_L0/4303-N
Processing scope for products	11JUN2008 00:00:00 to 12JUN2008 00:00:00
Start time of first product within scope	10JUN2008 23:57:31
Stop time of last product within scope	12JUN2008 01:07:01
Total number of level 0 products	16
Number of level 0 products with errors	7

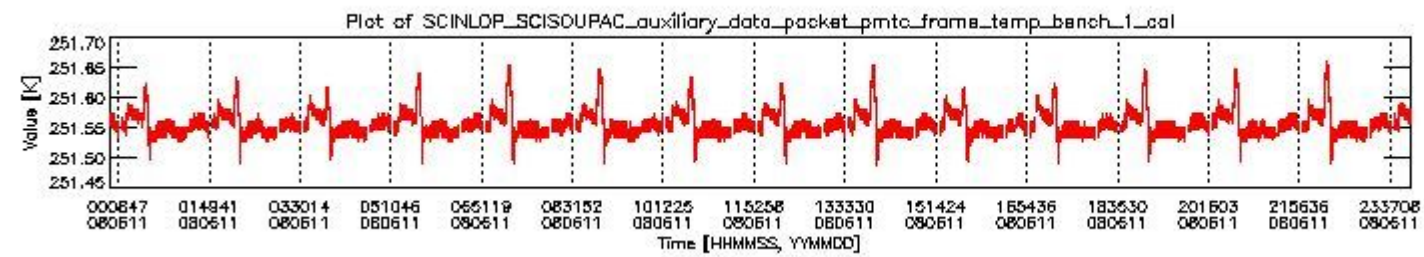
### 0.1.2 Summary per product

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

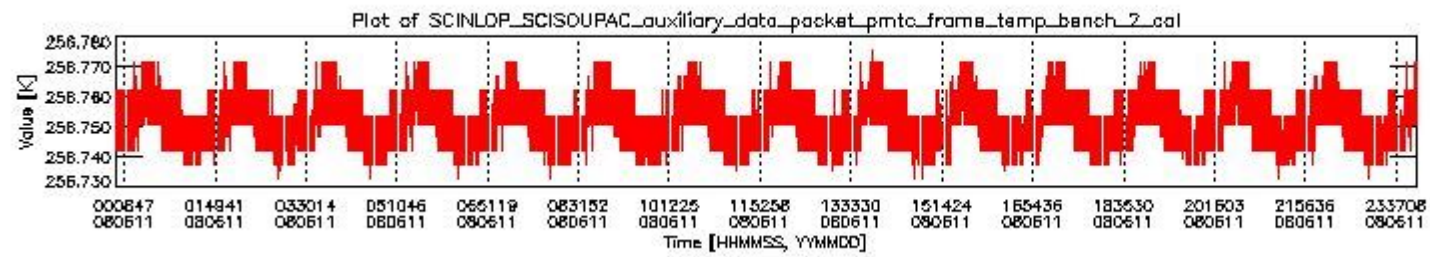
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080610_235731_000058962069_00216_32835_6944.N1	10JUN2008 23:57:31	11JUN2008 01:35:48	0	0	0	0	0
1	SCI_NL__OPNPDE20080611_013548_000047302069_00217_32836_6945.N1	11JUN2008 01:35:48	11JUN2008 02:54:38	0	0	0	0	0
2	SCI_NL__OPNPDE20080611_025329_000058432069_00218_32837_6946.N1	11JUN2008 02:53:29	11JUN2008 04:30:52	0	0	0	0	0
3	SCI_NL__OPNPDE20080611_042956_000061482069_00219_32838_6947.N1	11JUN2008 04:29:56	11JUN2008 06:12:24	0	0	0	0	0
4	SCI_NL__OPNPDK20080611_061128_000041142069_00220_32839_8459.N1	11JUN2008 06:11:28	11JUN2008 07:20:02	1	1	0	0	0
5	SCI_NL__OPNPDK20080611_071853_000062162069_00221_32840_8461.N1	11JUN2008 07:18:53	11JUN2008 09:02:29	1	1	0	0	0
6	SCI_NL__OPNPDK20080611_090133_000059112069_00222_32841_8462.N1	11JUN2008 09:01:33	11JUN2008 10:40:05	1	1	1	0	0
7	SCI_NL__OPNPDK20080611_104005_000059672069_00223_32842_8463.N1	11JUN2008 10:40:05	11JUN2008 12:19:32	1	1	1	0	0
8	SCI_NL__OPNPDK20080611_121836_000060362069_00224_32843_8465.N1	11JUN2008 12:18:36	11JUN2008 13:59:12	1	1	0	0	0
9	SCI_NL__OPNPDK20080611_135816_000058992069_00225_32844_8468.N1	11JUN2008 13:58:16	11JUN2008 15:36:35	1	1	1	0	1
10	SCI_NL__OPNPDK20080611_153635_000059392069_00226_32845_8469.N1	11JUN2008 15:36:35	11JUN2008 17:15:34	0	0	0	0	0
11	SCI_NL__OPNPDK20080611_171425_000059112069_00227_32846_8470.N1	11JUN2008 17:14:25	11JUN2008 18:52:57	1	1	0	0	0
12	SCI_NL__OPNPDK20080611_185148_000060892069_00228_32847_8471.N1	11JUN2008 18:51:48	11JUN2008 20:33:18	0	0	0	0	0
13	SCI_NL__OPNPDE20080611_203113_000043052069_00229_32848_6948.N1	11JUN2008 20:31:13	11JUN2008 21:42:58	0	0	0	0	0
14	SCI_NL__OPNPDE20080611_214258_000060882069_00229_32848_6949.N1	11JUN2008 21:42:58	11JUN2008 23:24:26	0	0	0	0	0
15	SCI_NL__OPNPDE20080611_232342_000062002069_00230_32849_6950.N1	11JUN2008 23:23:42	12JUN2008 01:07:01	0	0	0	0	0

## 0.2 Product Quality Indicators

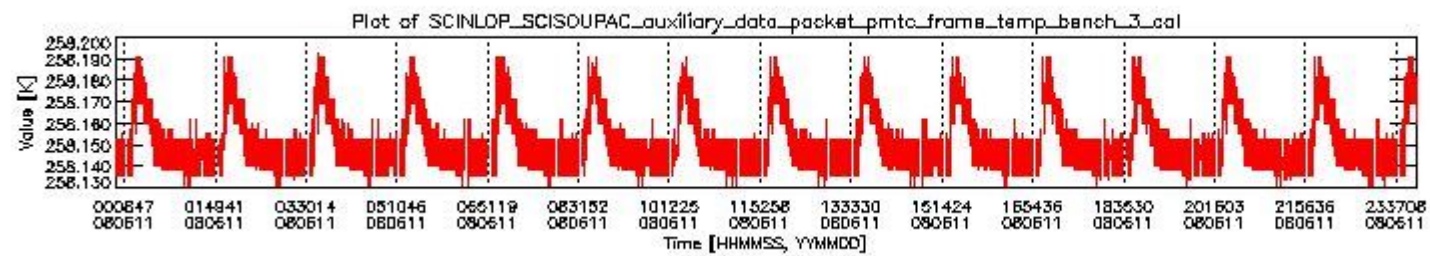
This section shows information about product quality, currently temperatures.



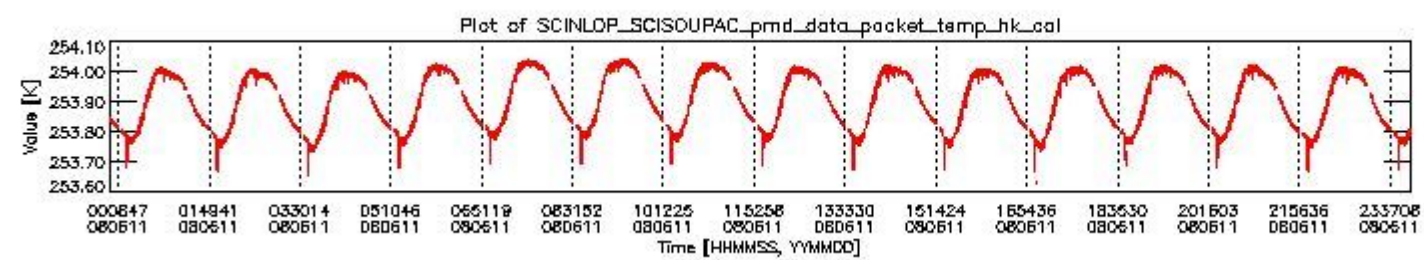
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080611\_0.PNG



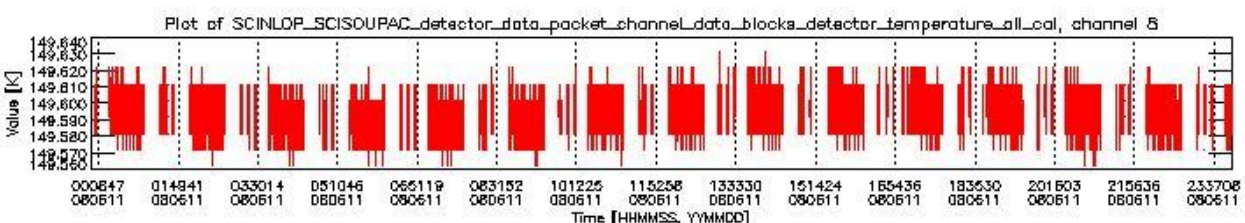
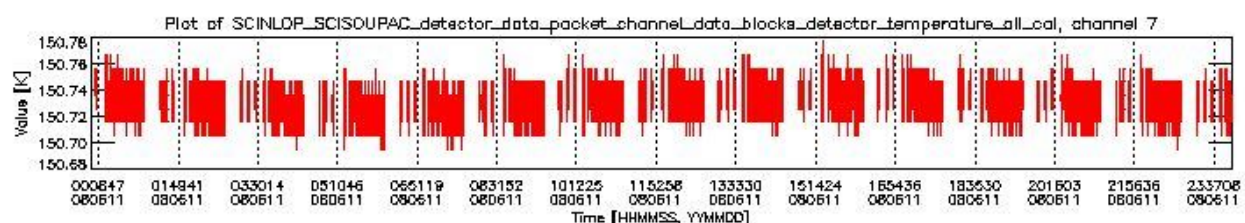
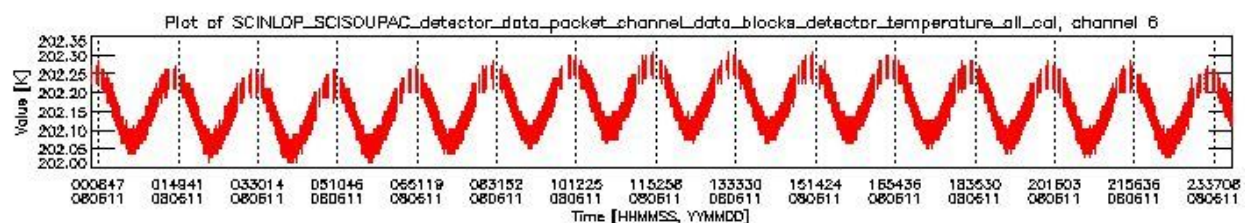
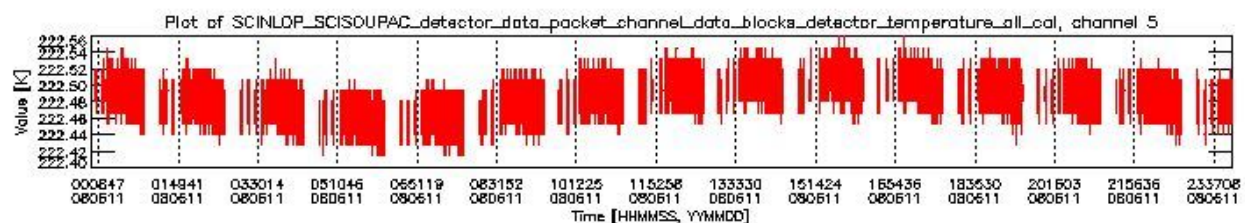
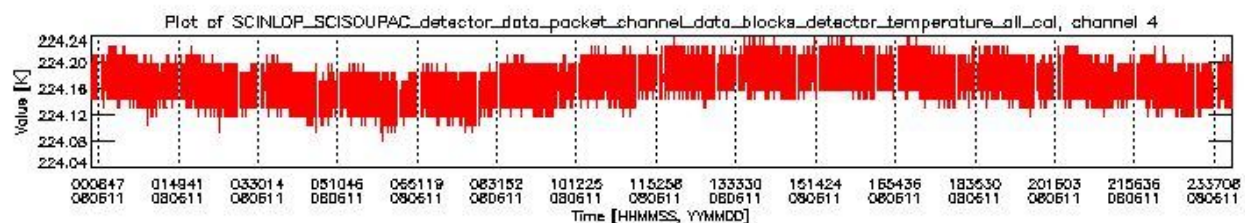
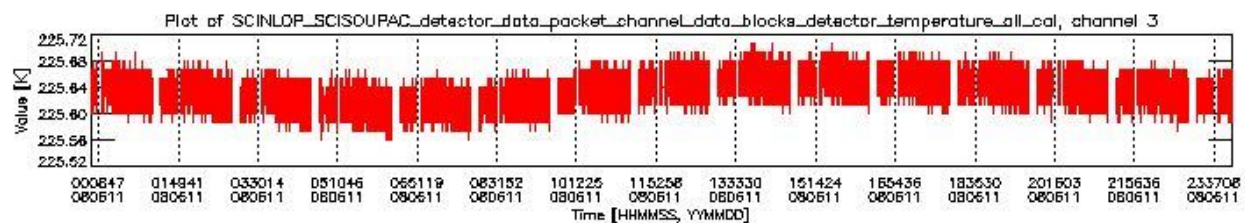
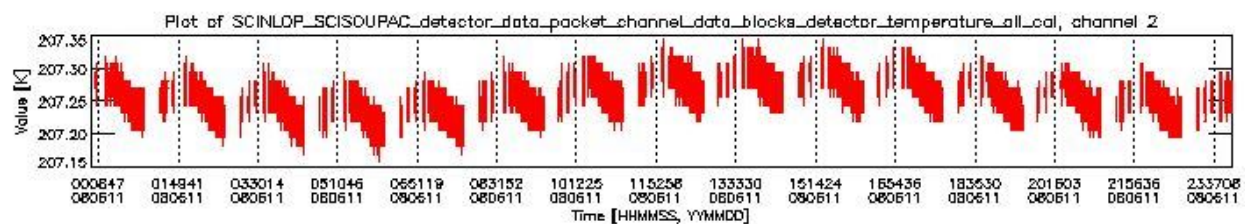
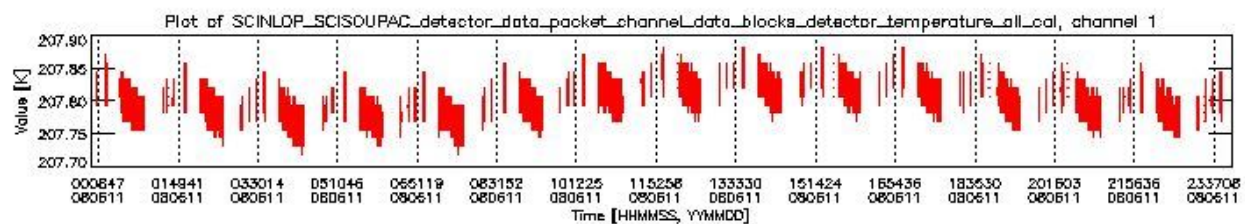
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080611\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080611\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080611\_3.PNG

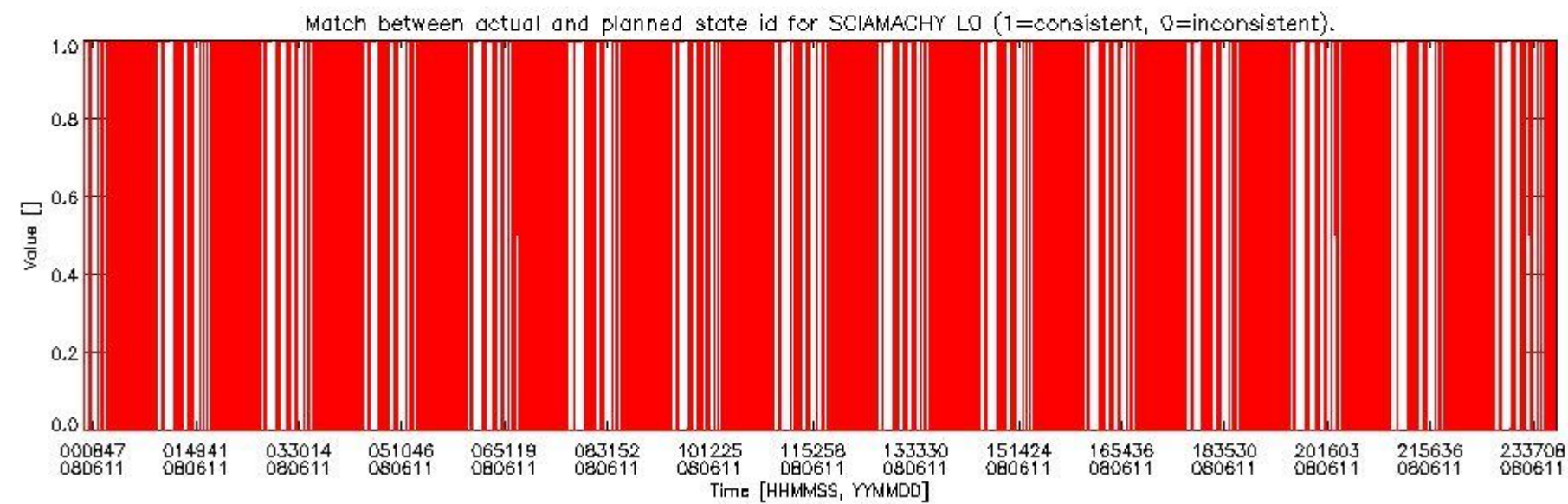
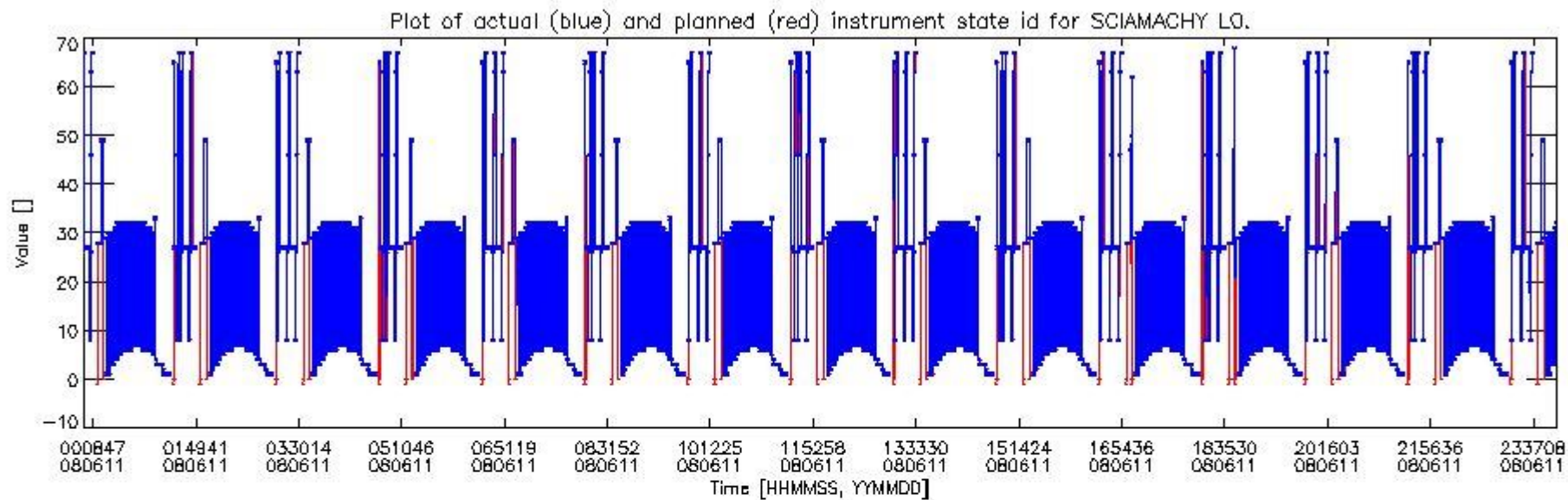


### 0.3 State monitoring

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: **33192**

#	Actual time	Actual value	Planned time	Planned value
0	11JUN2008 00:00:16.202085	27	11JUN2008 00:00:16.202085	67
1	11JUN2008 00:00:17.202079	27	11JUN2008 00:00:17.202079	67
2	11JUN2008 00:00:18.139592	27	11JUN2008 00:00:18.139592	67
3	11JUN2008 00:00:18.889618	27	11JUN2008 00:00:18.889618	67
4	11JUN2008 00:00:19.827090	27	11JUN2008 00:00:19.827090	67
5	11JUN2008 00:00:20.577116	27	11JUN2008 00:00:20.577116	67
6	11JUN2008 00:00:21.202098	27	11JUN2008 00:00:21.202098	67
7	11JUN2008 00:00:21.514589	27	11JUN2008 00:00:21.514589	67
8	11JUN2008 00:00:22.264615	27	11JUN2008 00:00:22.264615	67
9	11JUN2008 00:00:23.202087	27	11JUN2008 00:00:23.202087	67
10	11JUN2008 00:05:24.608378	8	11JUN2008 00:05:24.608378	27
11	11JUN2008 00:05:25.733377	8	11JUN2008 00:05:25.733377	27
12	11JUN2008 00:05:26.733372	8	11JUN2008 00:05:26.733372	27
13	11JUN2008 00:05:27.733366	8	11JUN2008 00:05:27.733366	27
14	11JUN2008 00:05:28.733401	8	11JUN2008 00:05:28.733401	27
15	11JUN2008 00:05:29.608391	8	11JUN2008 00:05:29.608391	27
16	11JUN2008 00:05:29.733396	8	11JUN2008 00:05:29.733396	27
17	11JUN2008 00:05:30.733390	8	11JUN2008 00:05:30.733390	27
18	11JUN2008 00:05:31.733385	8	11JUN2008 00:05:31.733385	27
19	11JUN2008 00:06:08.170886	26	11JUN2008 00:06:08.170886	8
	...	...	...	...

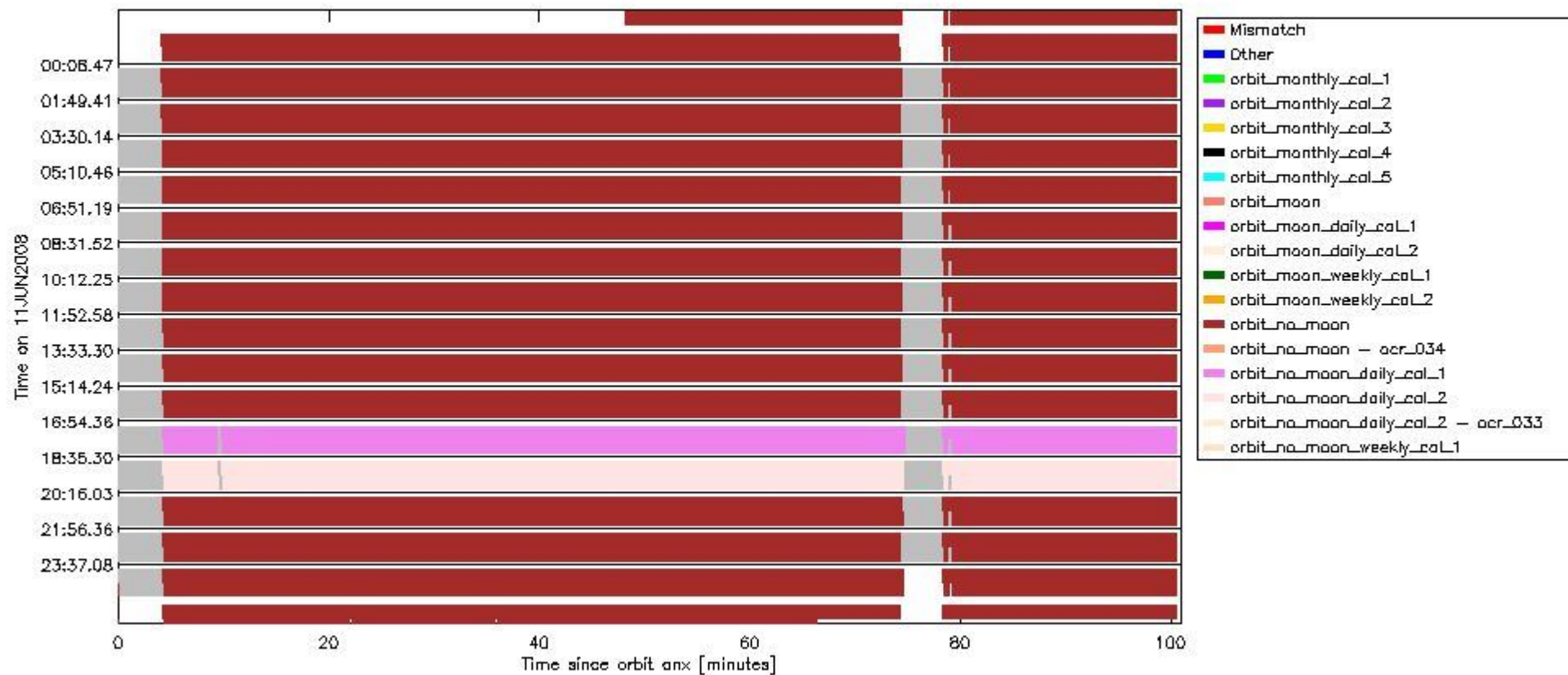


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080611\_5.PNG

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 11JUN2008.  
 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\_20080611\_6.PNG

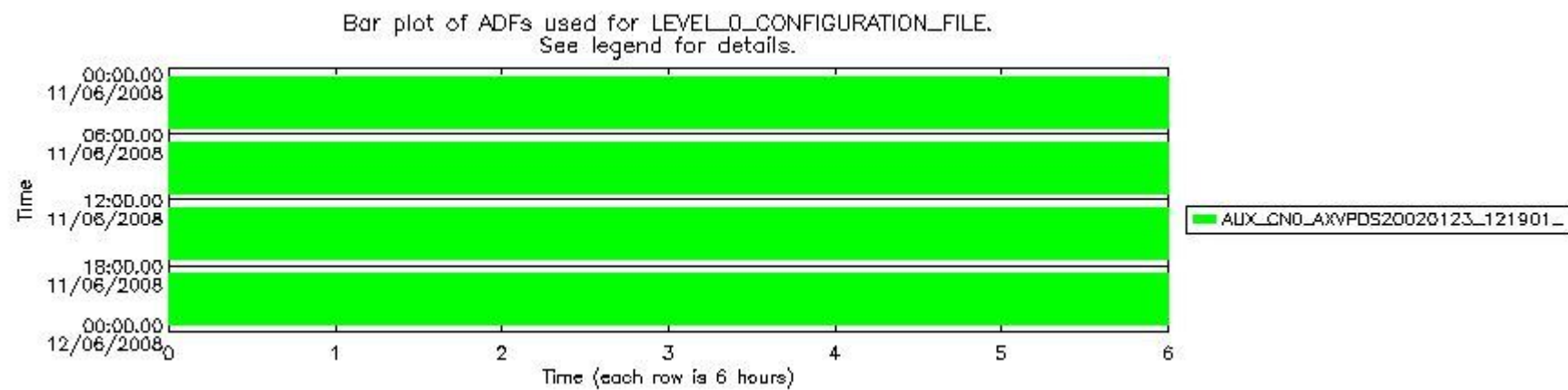
## 0.4 ADF monitoring

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

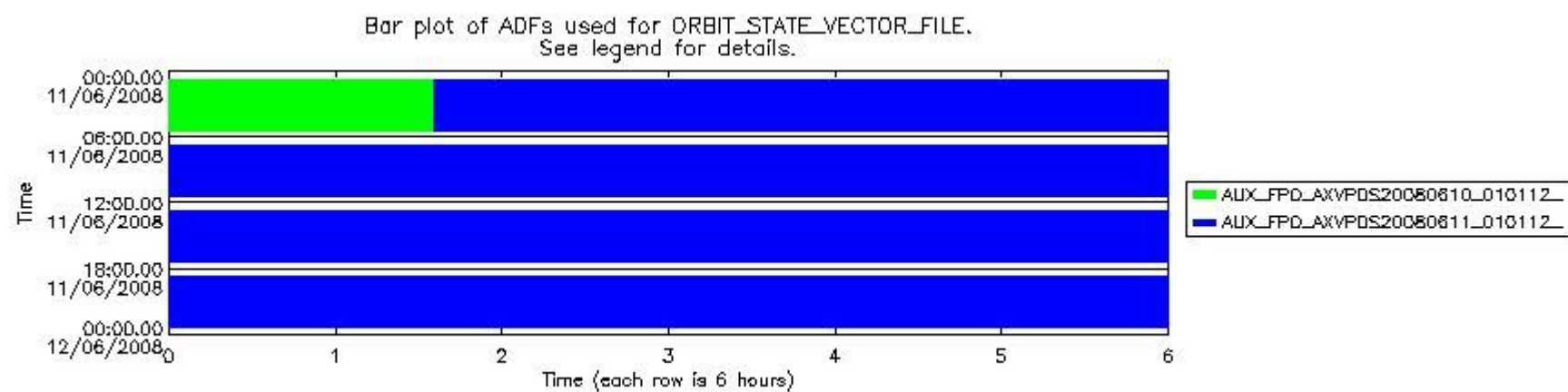
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

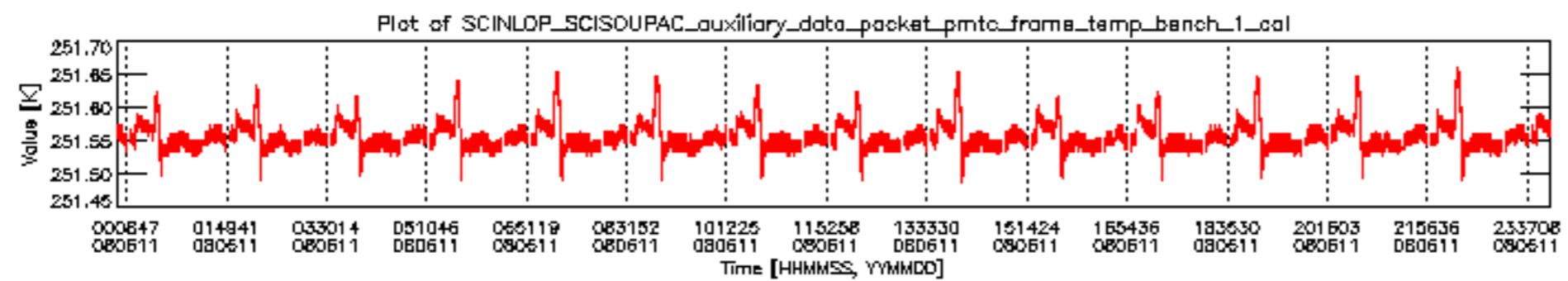
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080610_010112_20080609_193841_20080619_210454</b>
2	<b>AUX_FPO_AXVPDS20080611_010112_20080610_190704_20080620_203318</b>



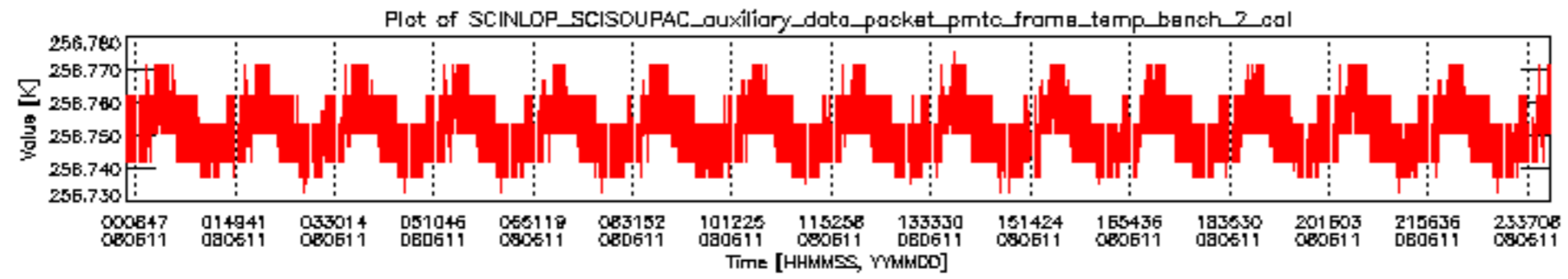
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080611\_7.PNG

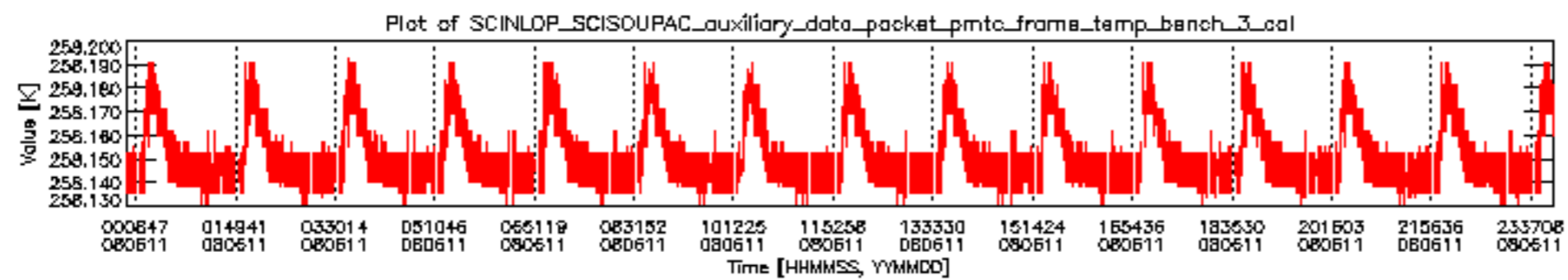


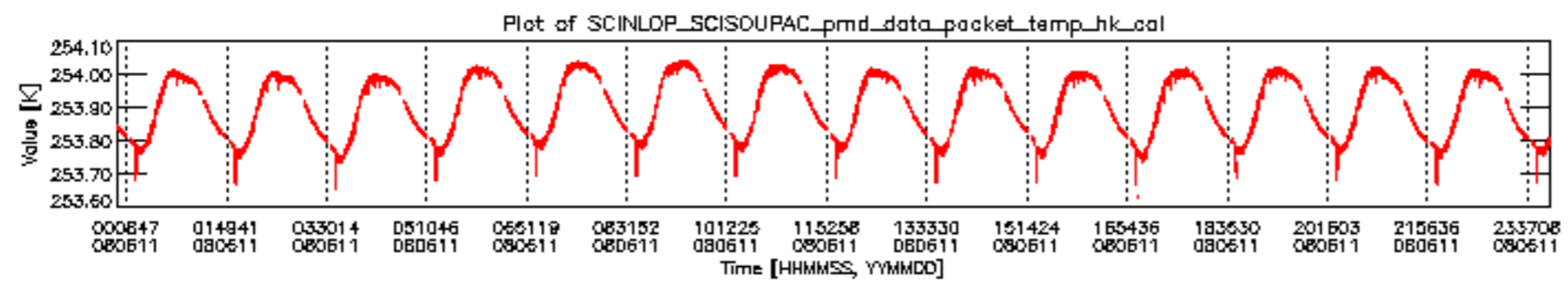
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080611\_8.PNG

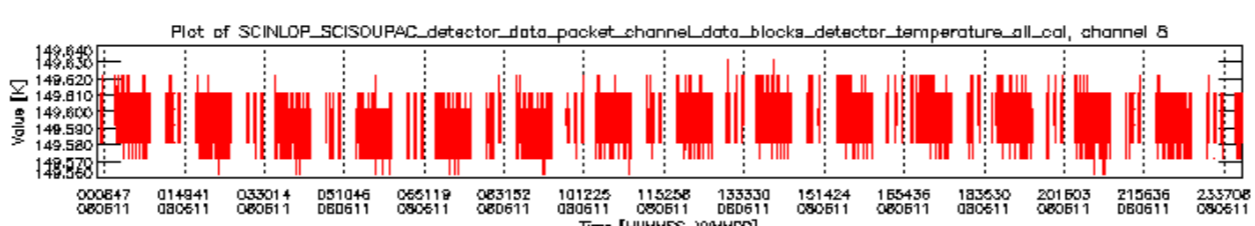
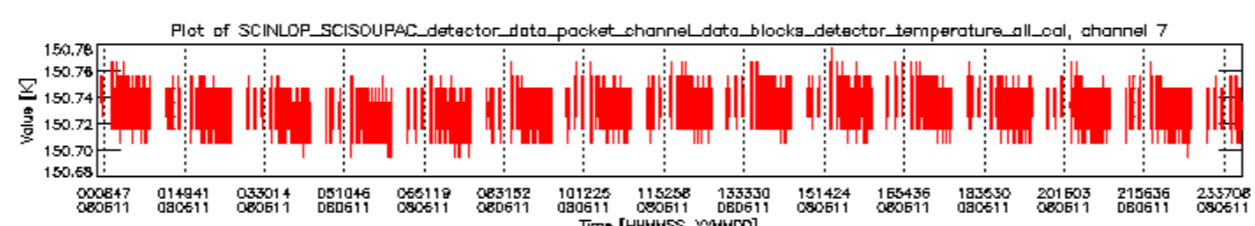
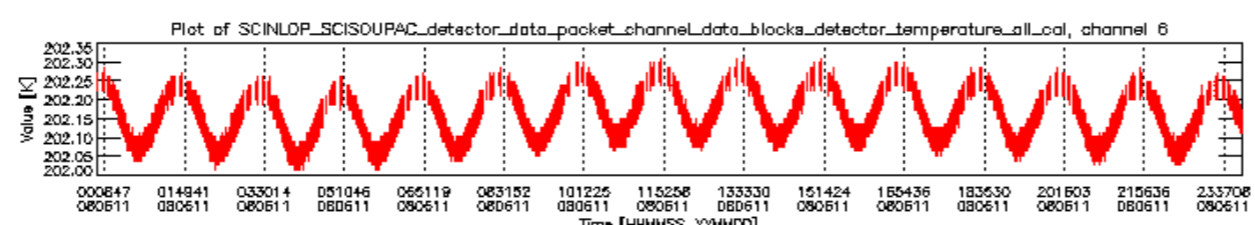
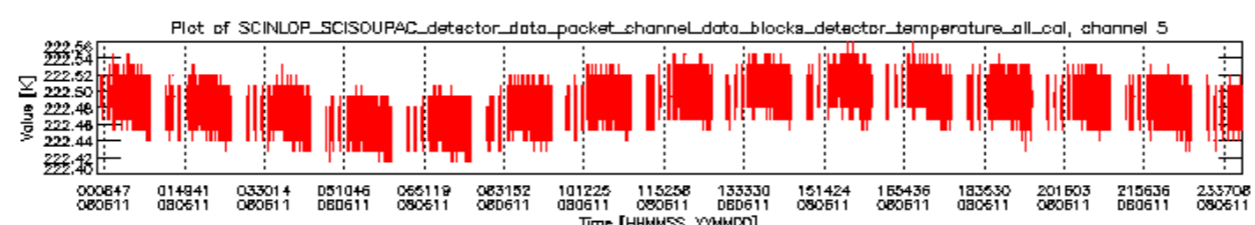
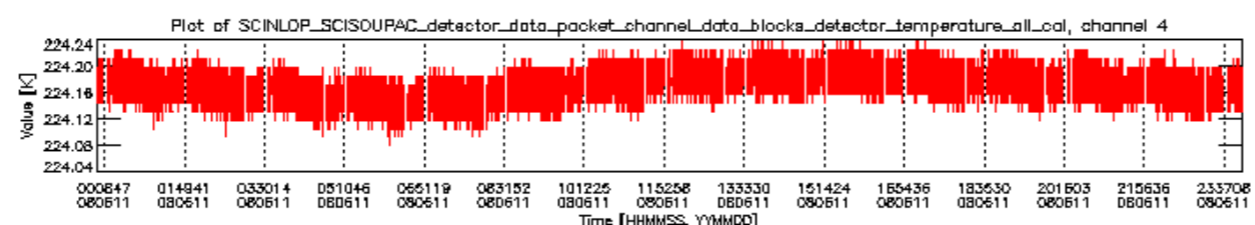
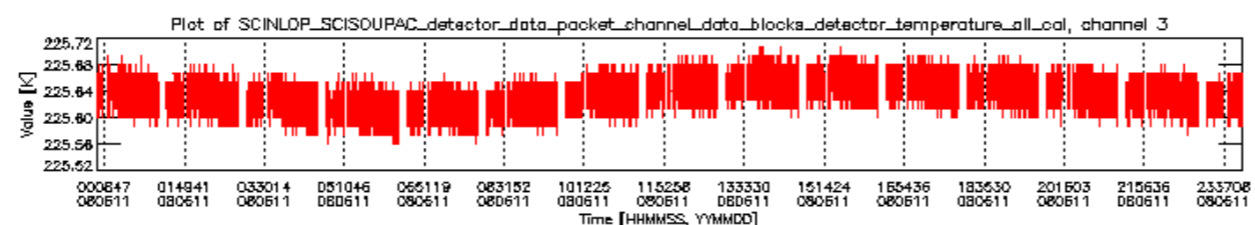
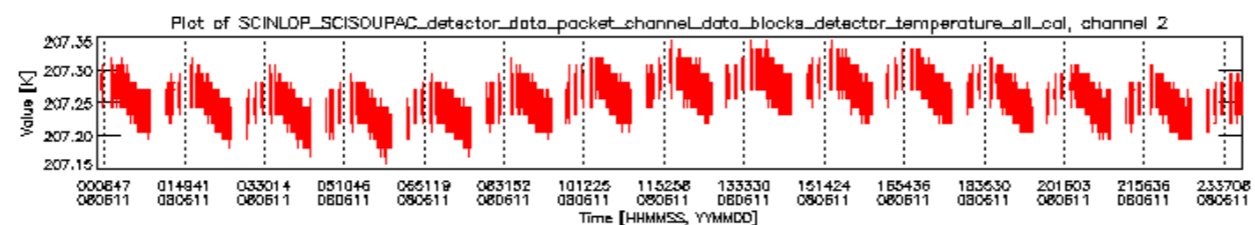
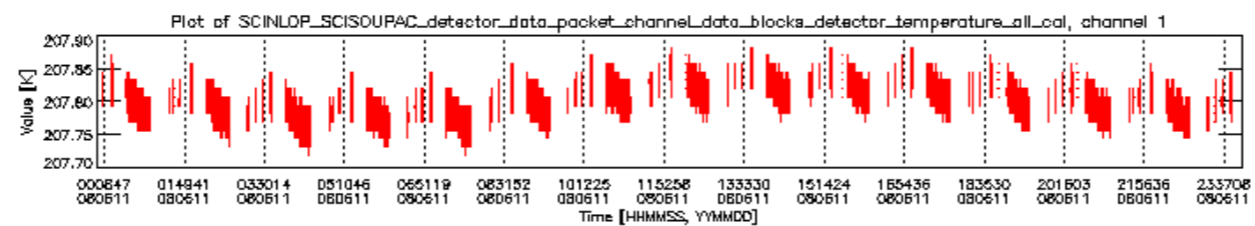


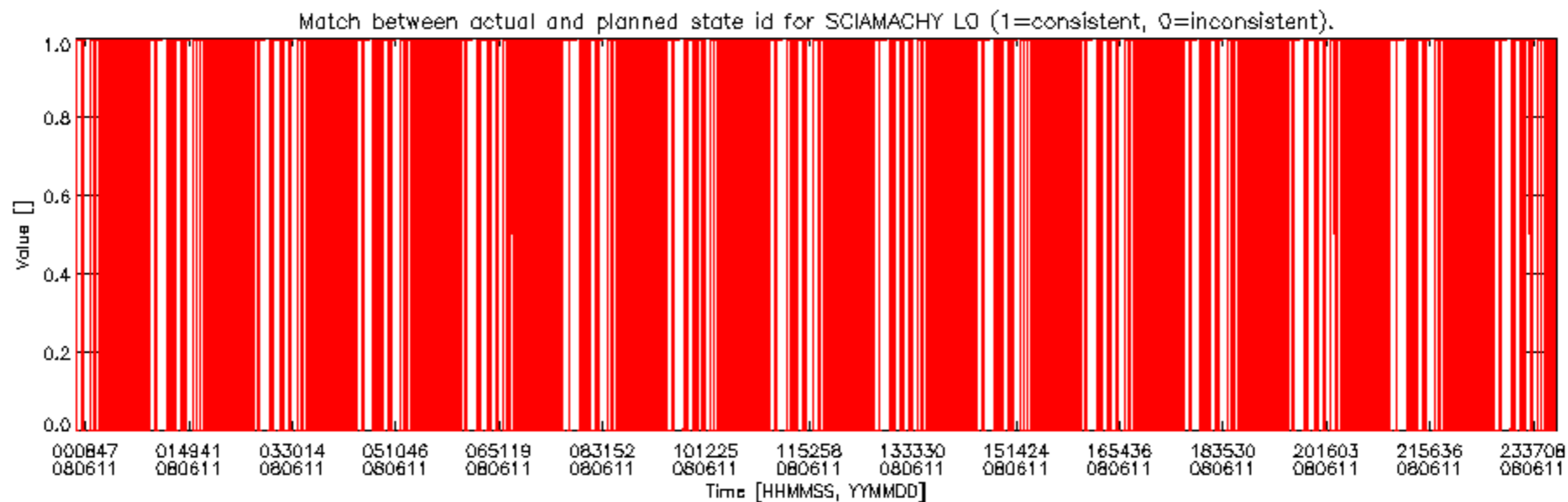
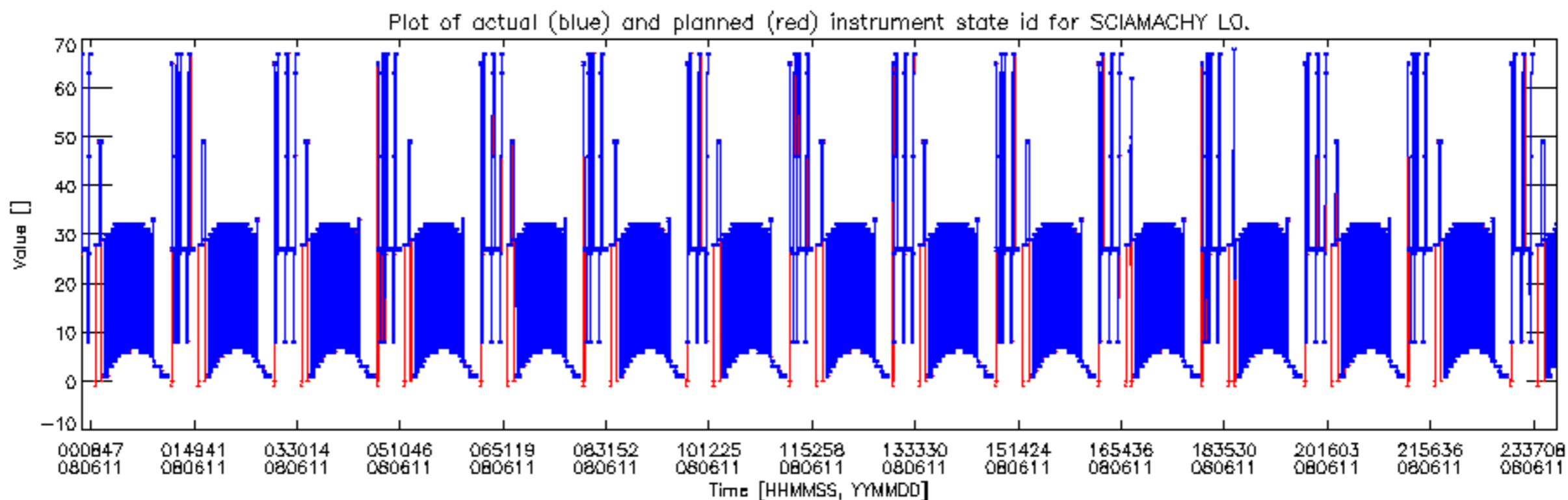












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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