

## 0. SCIAMACHY Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Product Quality Indicators](#)

### [0.3 State monitoring](#)

### [0.4 ADF monitoring](#)

## 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	17SEP2008 08:57:12
Data source version	KSPT_L0/4303-N
Processing scope for products	12SEP2008 00:00:00 to 13SEP2008 00:00:00
Start time of first product within scope	12SEP2008 01:14:05
Stop time of last product within scope	13SEP2008 00:43:09
Total number of level 0 products	15
Number of level 0 products with errors	3

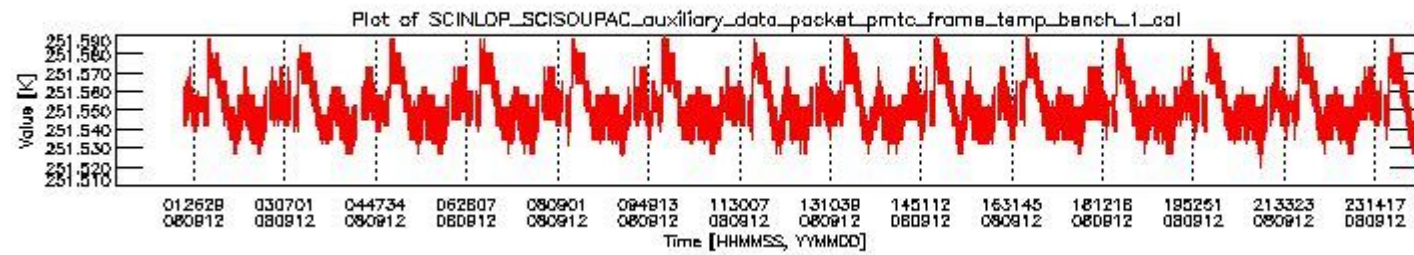
### 0.1.2 Summary per product

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

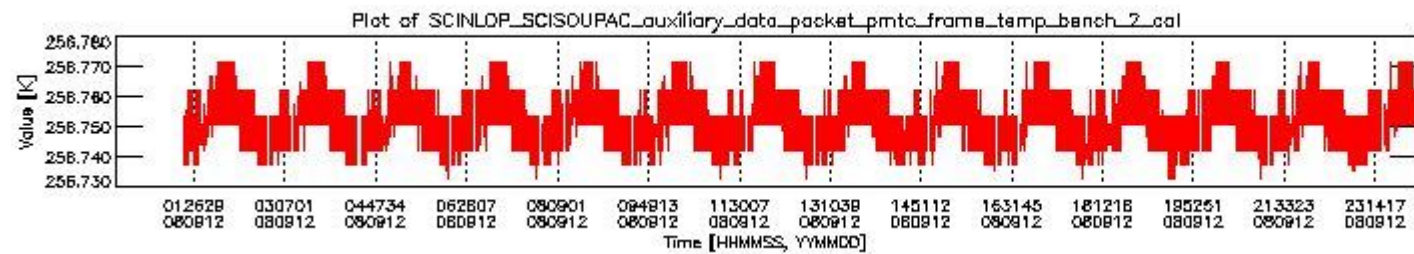
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080912_011405_000046402072_00045_34167_7488.N1	12SEP2008 01:14:05	12SEP2008 02:31:24	0	0	0	0	0
1	SCI_NL__OPNPDE20080912_023124_000057322072_00046_34168_7489.N1	12SEP2008 02:31:24	12SEP2008 04:06:56	0	0	0	0	0
2	SCI_NL__OPNPDE20080912_040656_000060922072_00047_34169_7490.N1	12SEP2008 04:06:56	12SEP2008 05:48:28	0	0	0	0	0
3	SCI_NL__OPNPDK20080912_054828_000041142072_00048_34170_9336.N1	12SEP2008 05:48:28	12SEP2008 06:57:03	1	1	0	0	0
4	SCI_NL__OPNPDK20080912_065607_000061482072_00049_34171_9337.N1	12SEP2008 06:56:07	12SEP2008 08:38:35	0	0	0	0	0
5	SCI_NL__OPNPDK20080912_083835_000059122072_00050_34172_9338.N1	12SEP2008 08:38:35	12SEP2008 10:17:07	0	0	0	0	0
6	SCI_NL__OPNPDK20080912_101707_000060362072_00051_34173_9339.N1	12SEP2008 10:17:07	12SEP2008 11:57:43	0	0	0	0	0
7	SCI_NL__OPNPDK20080912_115648_000059682072_00052_34174_9340.N1	12SEP2008 11:56:48	12SEP2008 13:36:15	0	0	0	0	0
8	SCI_NL__OPNPDK20080912_133615_000057882072_00053_34175_9341.N1	12SEP2008 13:36:15	12SEP2008 15:12:43	0	0	0	0	0
9	SCI_NL__OPNPDK20080912_151039_000059812072_00054_34176_9342.N1	12SEP2008 15:10:39	12SEP2008 16:50:19	0	0	0	0	0
10	SCI_NL__OPNPDK20080912_164827_000060872072_00055_34177_9343.N1	12SEP2008 16:48:27	12SEP2008 18:29:54	1	1	0	0	0
11	SCI_NL__OPNPDK20080912_182858_000059662072_00056_34178_9344.N1	12SEP2008 18:28:58	12SEP2008 20:08:24	1	1	0	0	0
12	SCI_NL__OPNPDE20080912_200627_000044522072_00057_34179_7491.N1	12SEP2008 20:06:27	12SEP2008 21:20:39	0	0	0	0	0
13	SCI_NL__OPNPDE20080912_211911_000061172072_00057_34179_7492.N1	12SEP2008 21:19:11	12SEP2008 23:01:07	0	0	0	0	0
14	SCI_NL__OPNPDE20080912_230107_000061212072_00058_34180_7493.N1	12SEP2008 23:01:07	13SEP2008 00:43:09	0	0	0	0	0

## 0.2 Product Quality Indicators

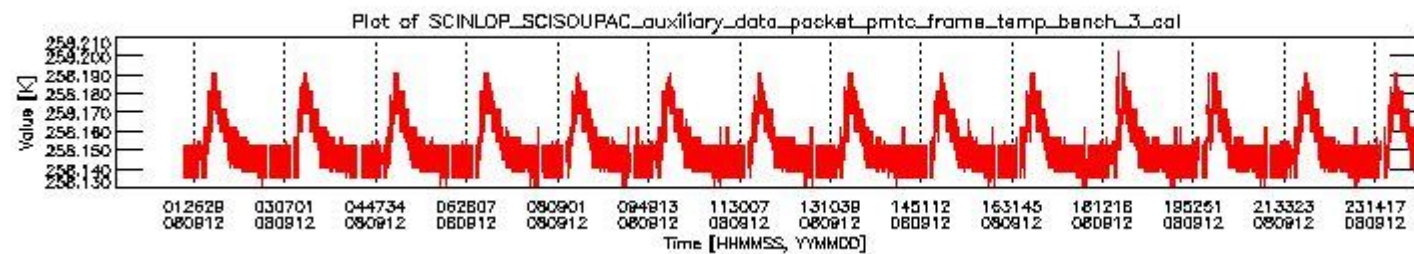
This section shows information about product quality, currently temperatures.



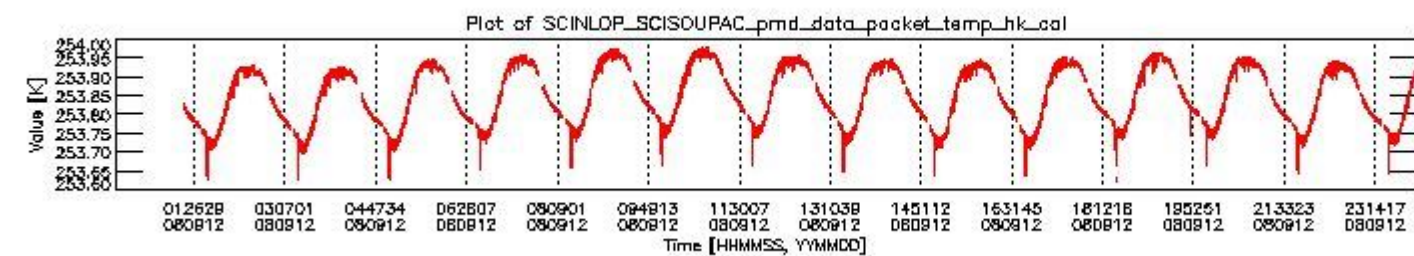
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080912\_0.PNG



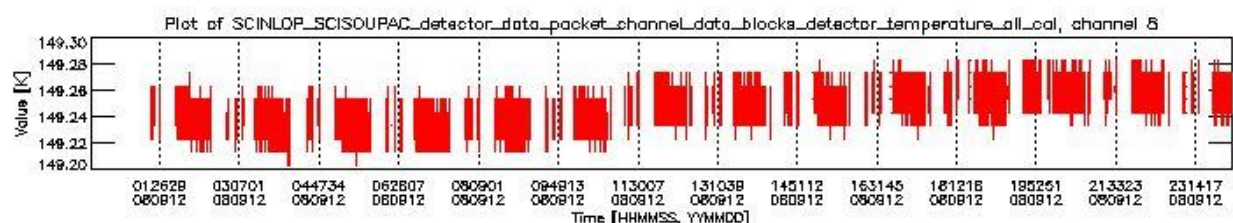
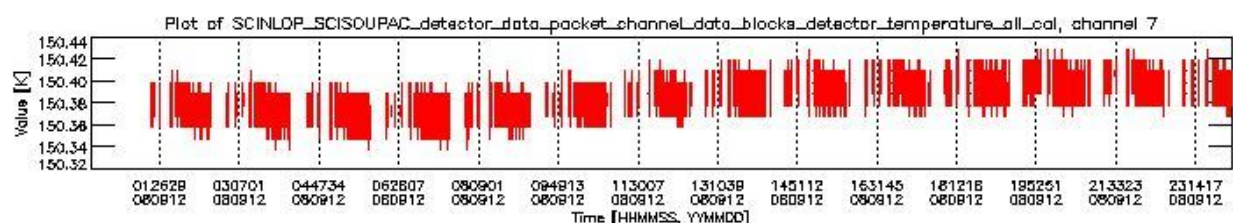
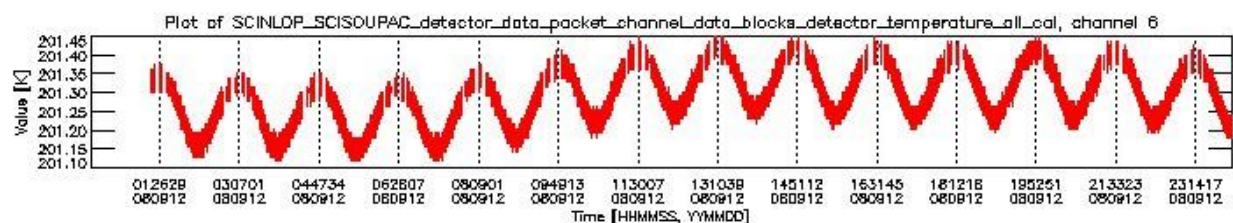
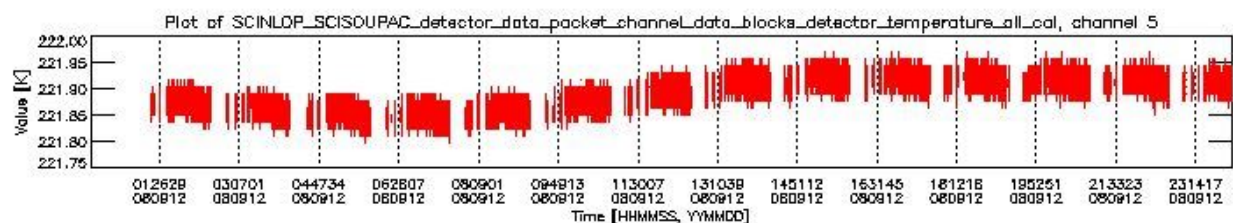
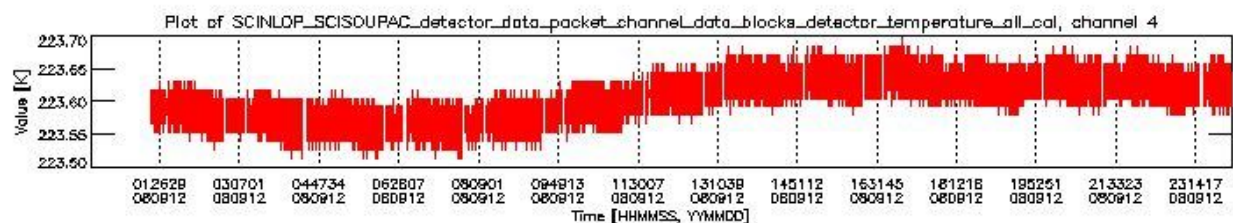
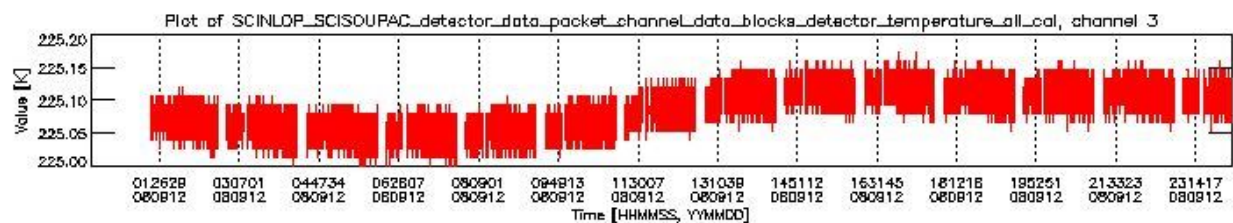
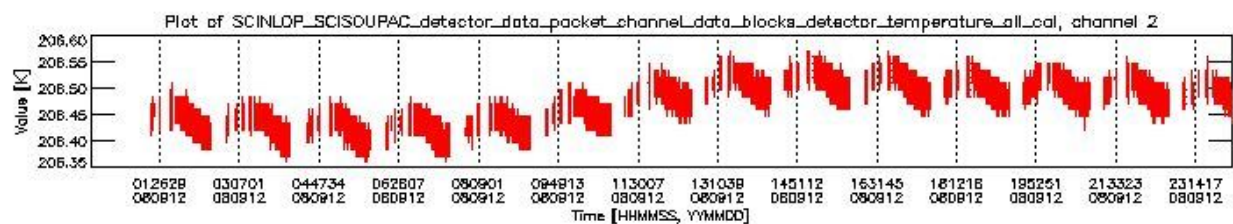
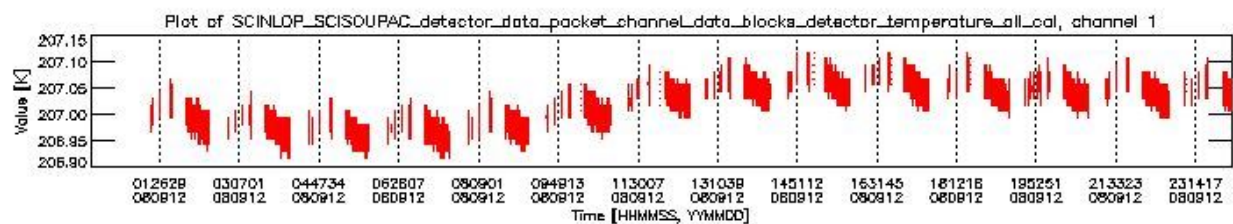
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080912\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080912\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080912\_3.PNG

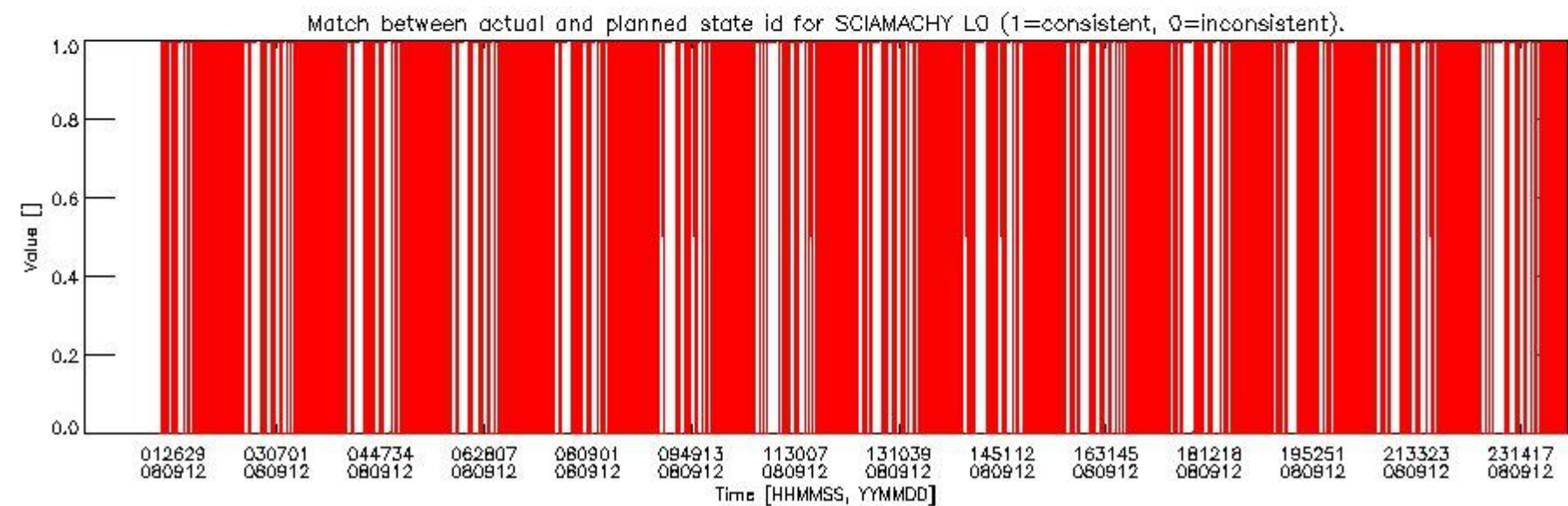
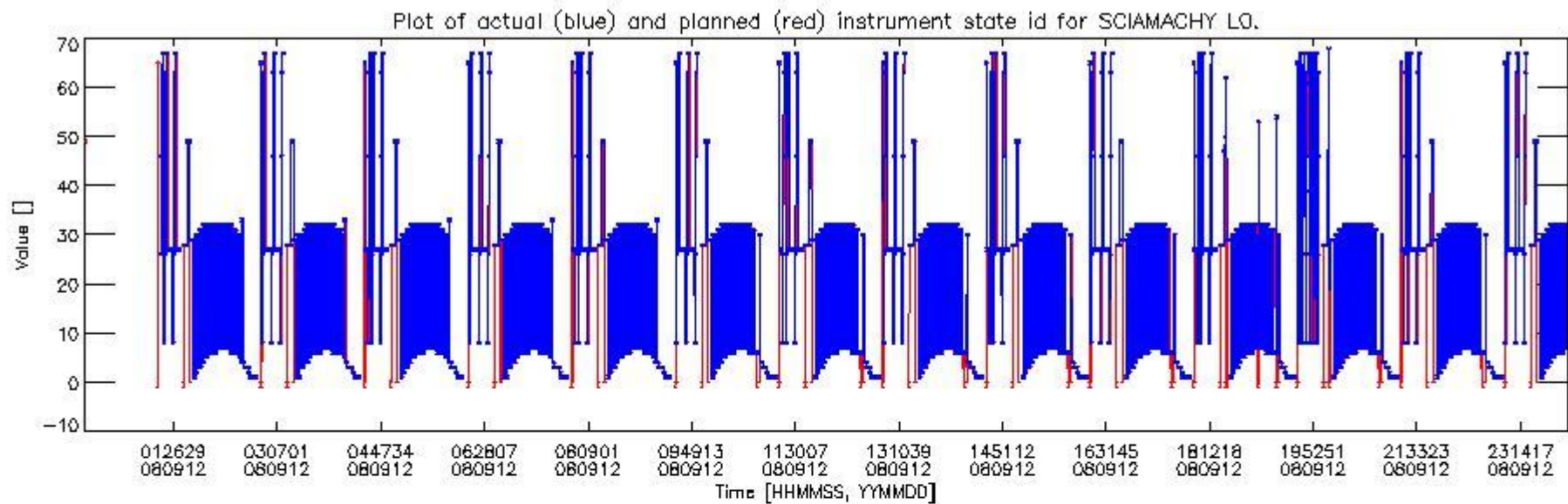


### 0.3 State monitoring

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: **50032**

#	Actual time	Actual value	Planned time	Planned value
0	12SEP2008 01:14:38.746618	46	12SEP2008 01:14:38.746618	26
1	12SEP2008 01:14:39.371600	46	12SEP2008 01:14:39.371600	26
2	12SEP2008 01:14:39.871617	46	12SEP2008 01:14:39.871617	26
3	12SEP2008 01:14:40.371594	46	12SEP2008 01:14:40.371594	26
4	12SEP2008 01:14:40.871612	46	12SEP2008 01:14:40.871612	26
5	12SEP2008 01:14:41.371589	46	12SEP2008 01:14:41.371589	26
6	12SEP2008 01:14:41.871606	46	12SEP2008 01:14:41.871606	26
7	12SEP2008 01:14:42.371584	46	12SEP2008 01:14:42.371584	26
8	12SEP2008 01:14:42.871601	46	12SEP2008 01:14:42.871601	26
9	12SEP2008 01:14:43.371618	46	12SEP2008 01:14:43.371618	26
10	12SEP2008 01:14:43.746591	46	12SEP2008 01:14:43.746591	26
11	12SEP2008 01:14:43.871596	46	12SEP2008 01:14:43.871596	26
12	12SEP2008 01:14:44.371613	46	12SEP2008 01:14:44.371613	26
13	12SEP2008 01:14:44.871590	46	12SEP2008 01:14:44.871590	26
14	12SEP2008 01:14:45.371608	46	12SEP2008 01:14:45.371608	26
15	12SEP2008 01:14:45.871585	46	12SEP2008 01:14:45.871585	26
16	12SEP2008 01:14:46.371602	46	12SEP2008 01:14:46.371602	26
17	12SEP2008 01:14:46.871620	46	12SEP2008 01:14:46.871620	26
18	12SEP2008 01:14:47.371597	46	12SEP2008 01:14:47.371597	26
19	12SEP2008 01:14:47.871614	46	12SEP2008 01:14:47.871614	26
...	...	...	...	...

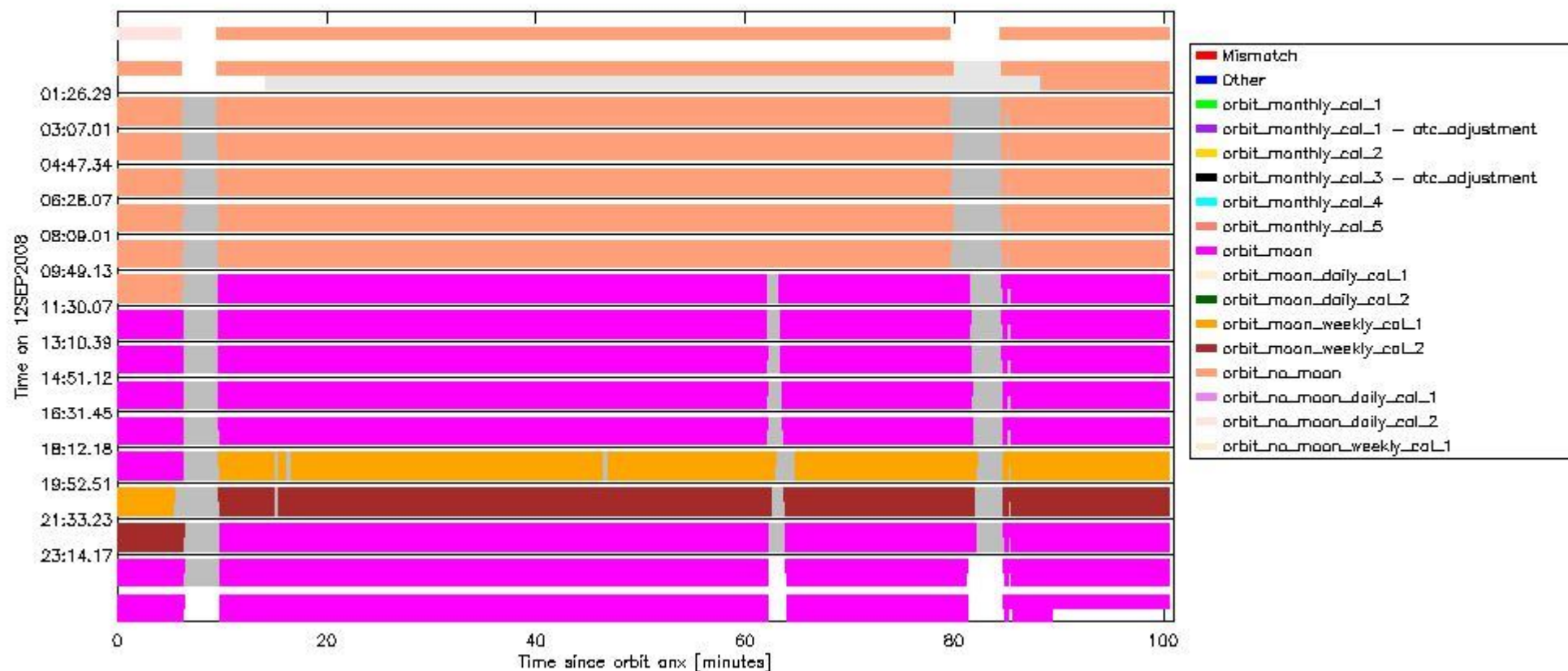


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080912\_5.PNG

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 12SEP2008.  
 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\_20080912\_6.PNG

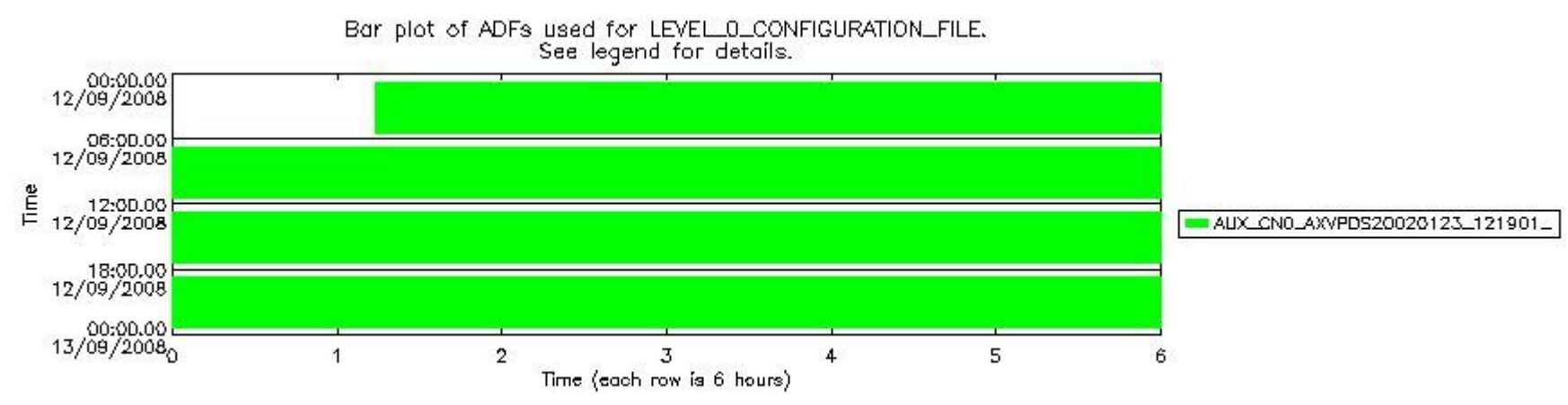
## 0.4 ADF monitoring

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

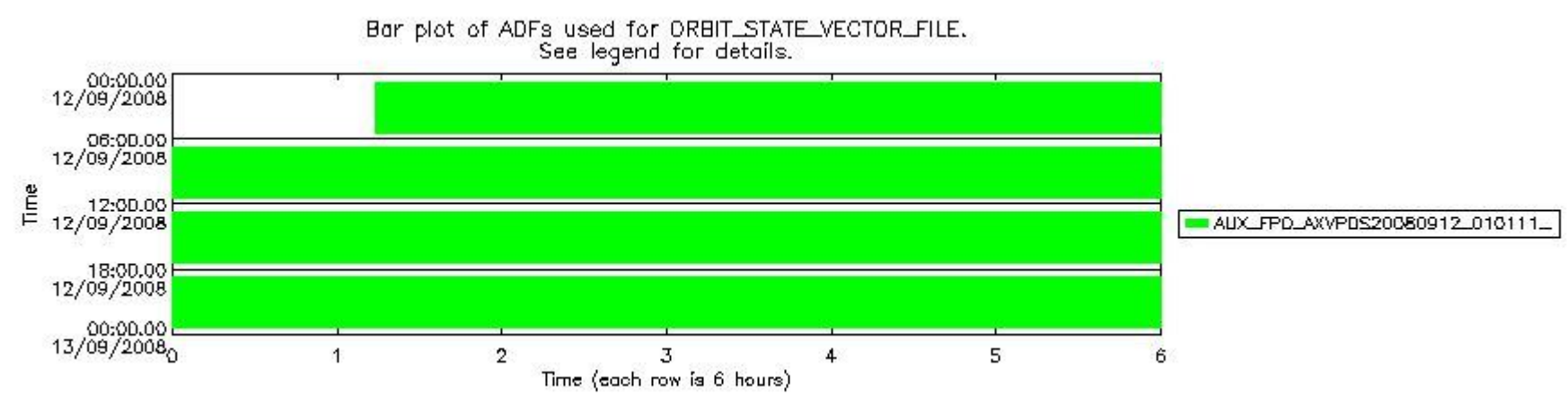
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

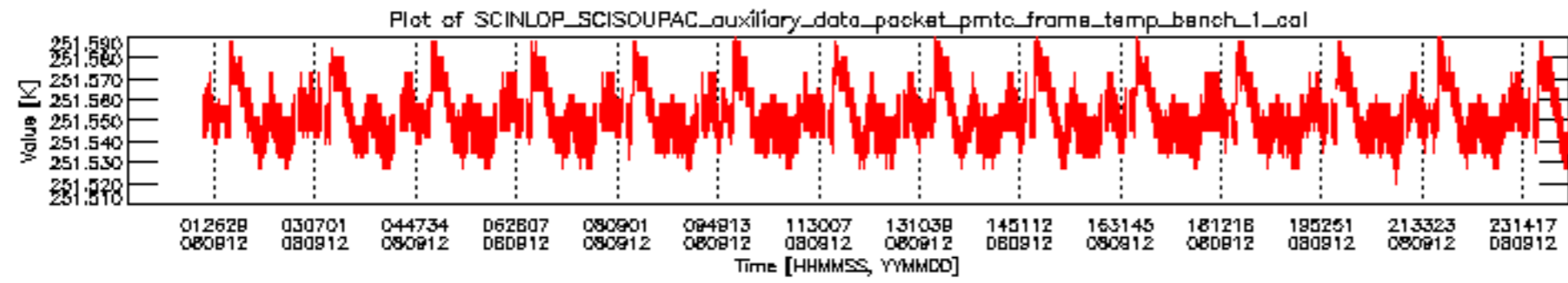
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080912_010111_20080911_184401_20080921_201016



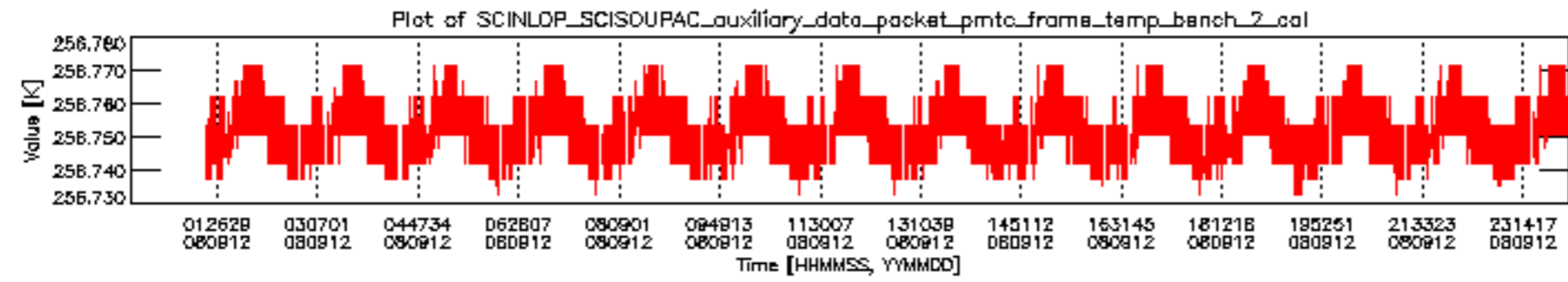
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080912\_7.PNG

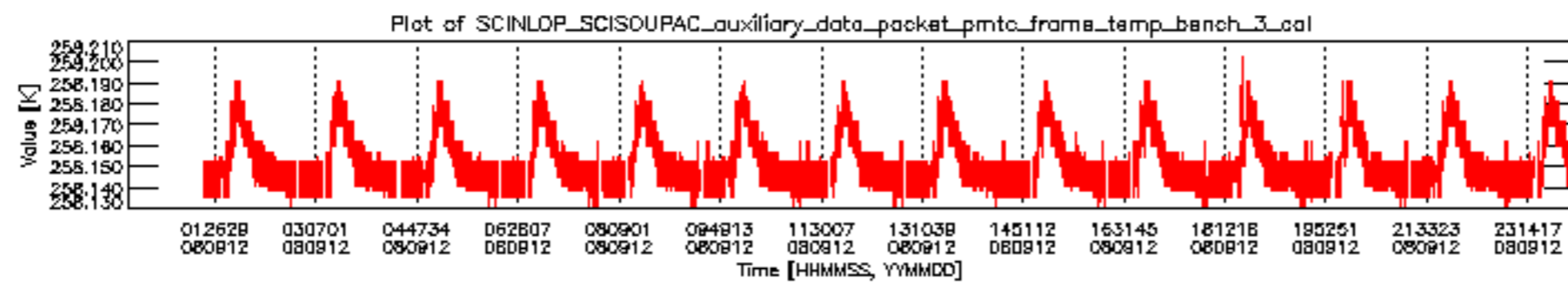


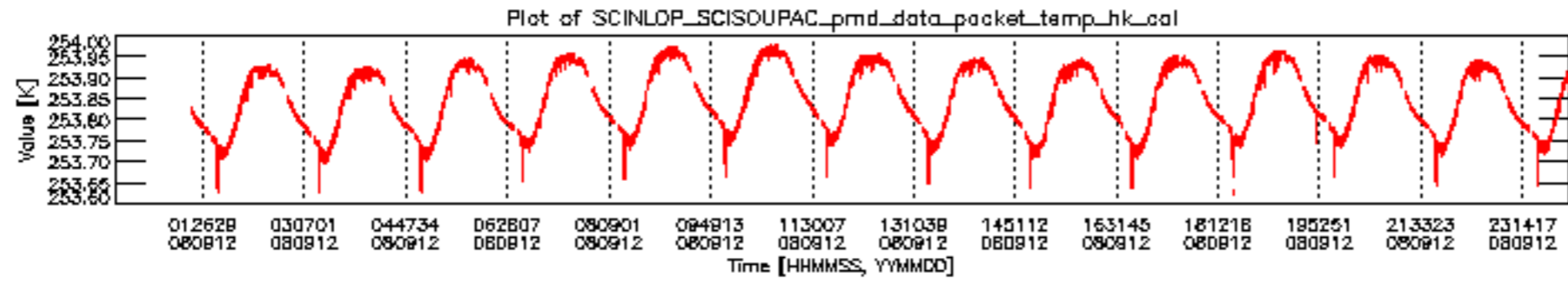
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080912\_8.PNG

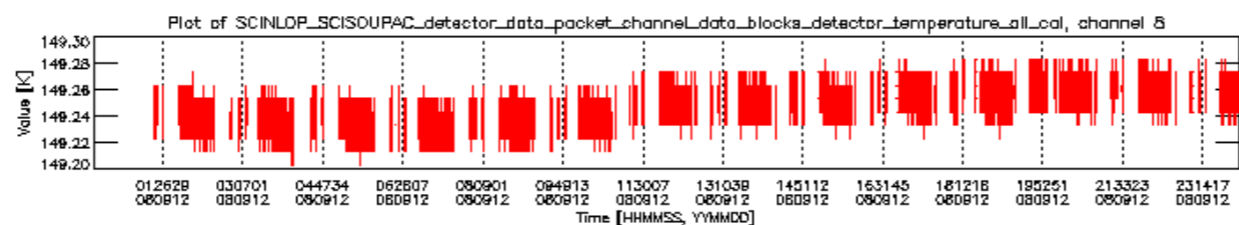
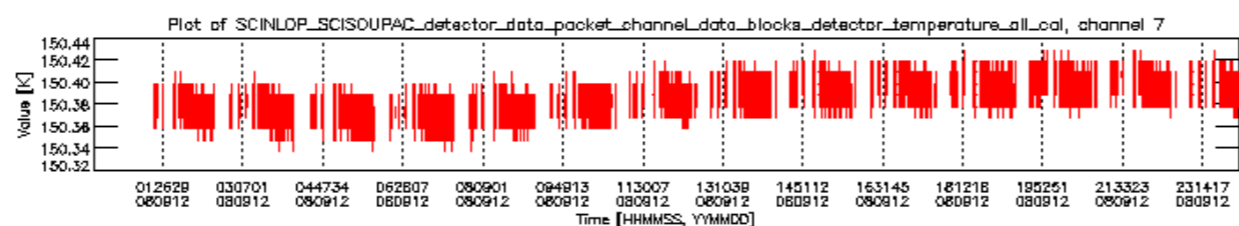
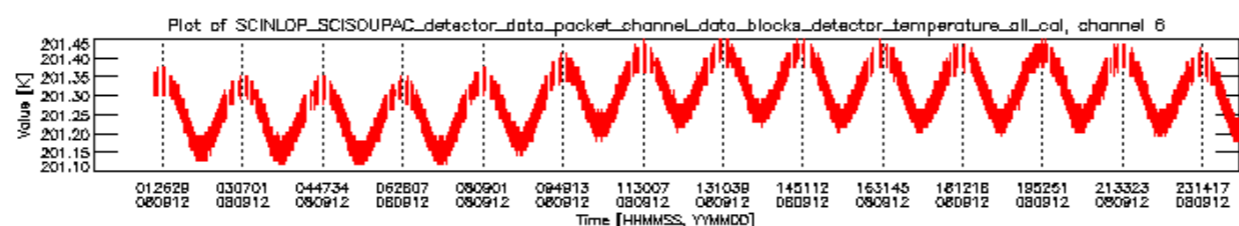
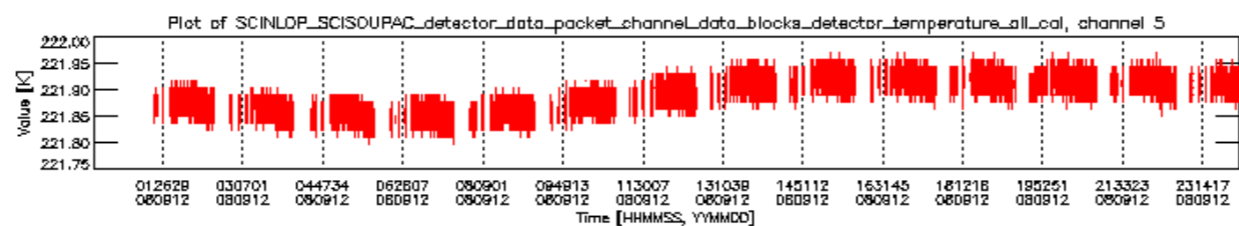
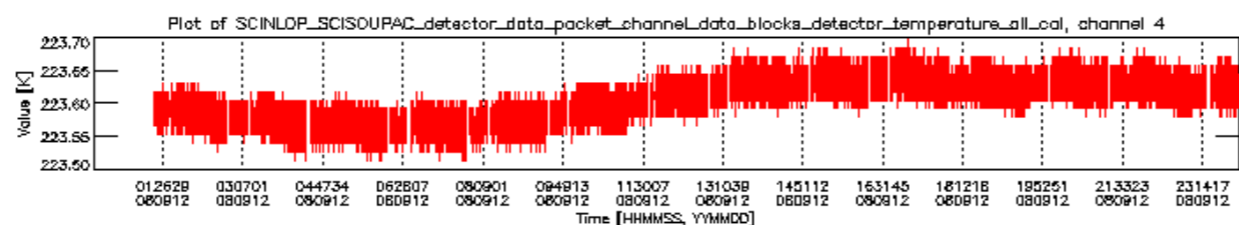
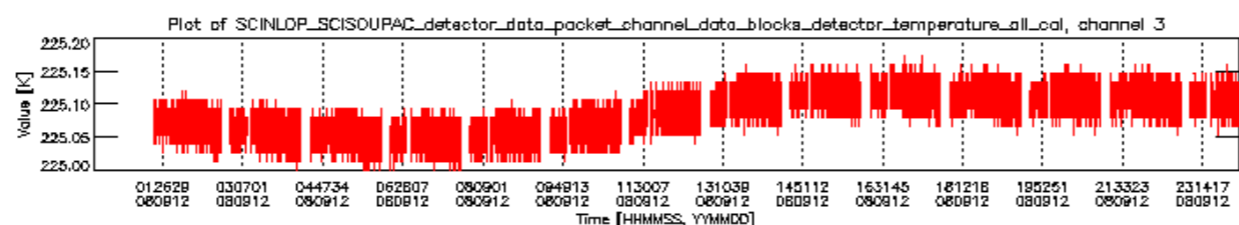
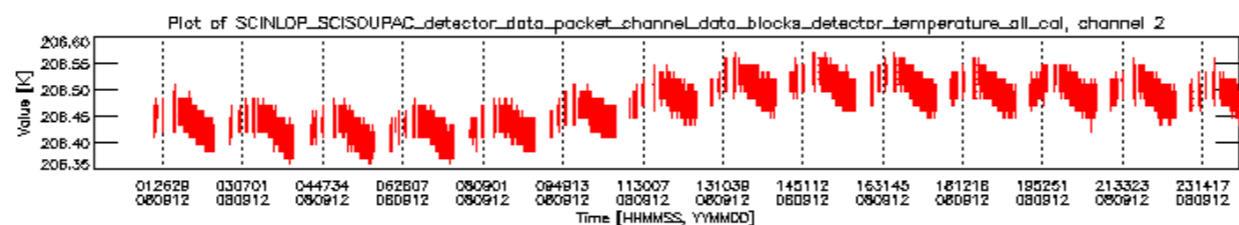
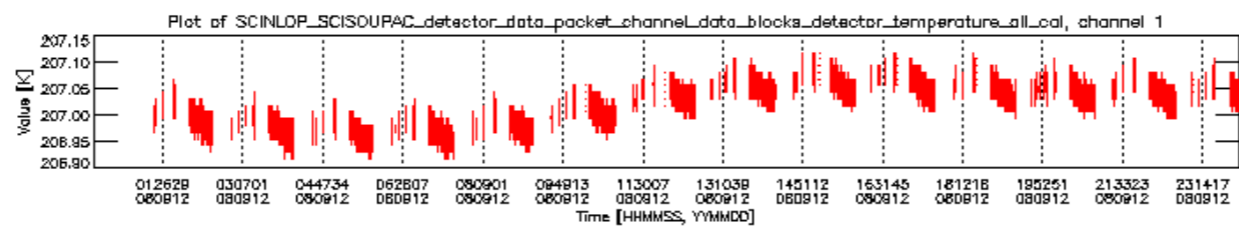


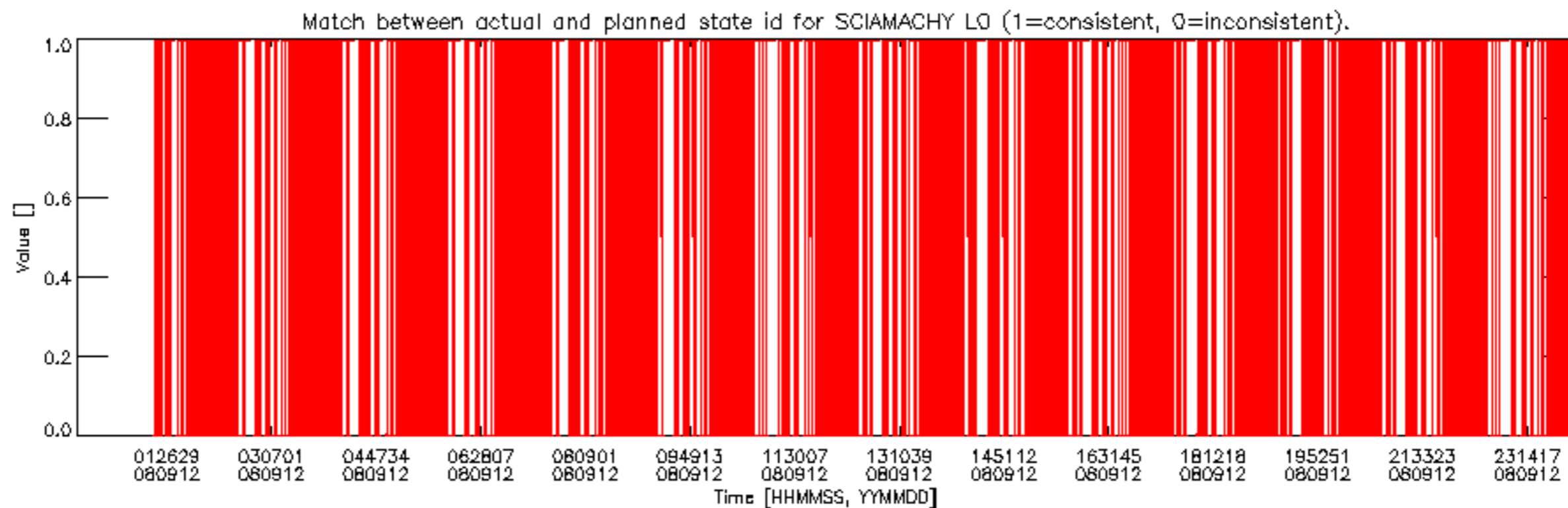
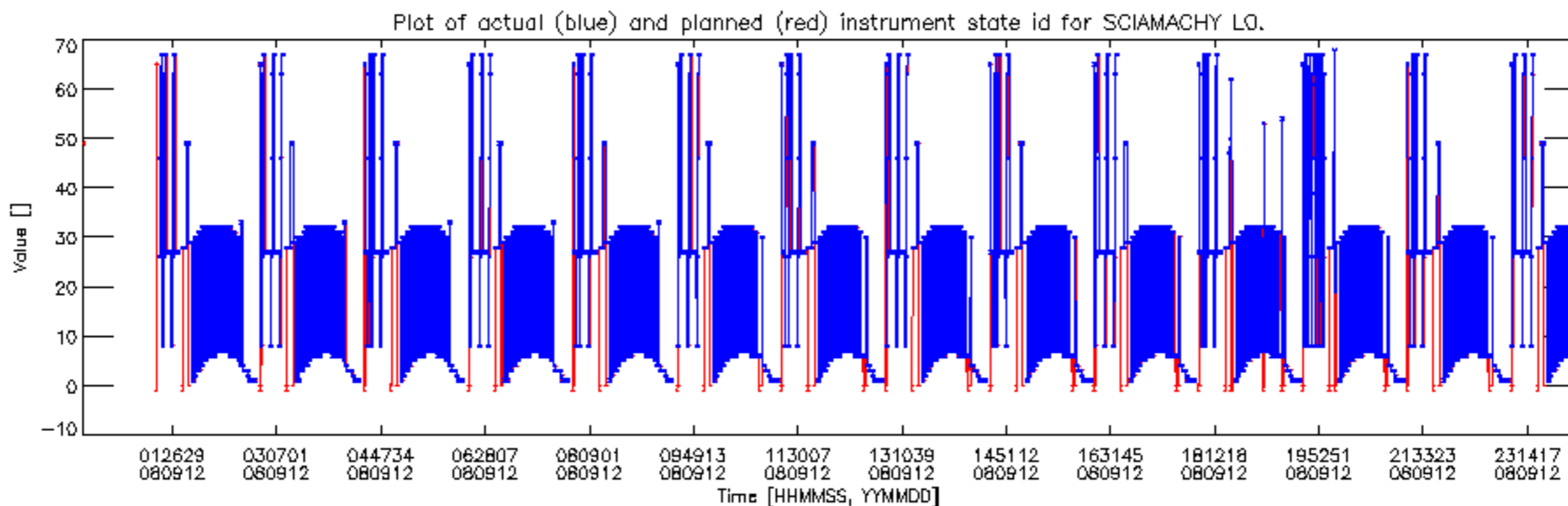












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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