

## 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	19NOV2008 04:52:32
Data source version	KSPT_L0/4303-N
Processing scope for products	15NOV2008 00:00:00 to 16NOV2008 00:00:00
Start time of first product within scope	14NOV2008 23:25:30
Stop time of last product within scope	16NOV2008 00:28:43
Total number of level 0 products	16
Number of level 0 products with errors	1

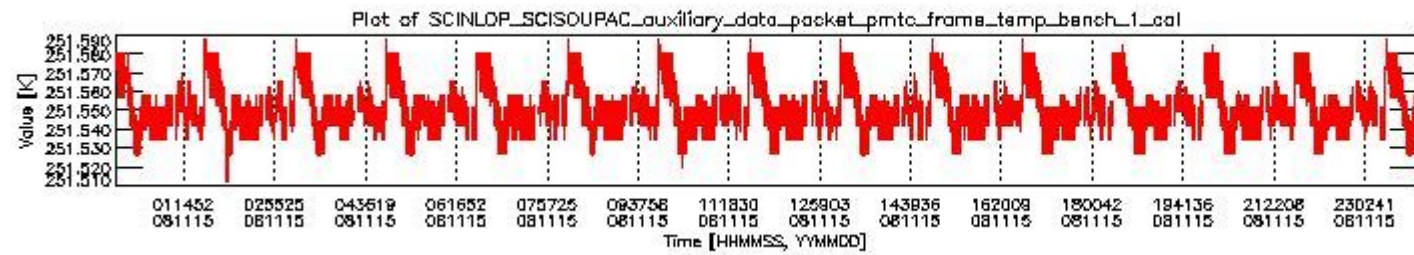
### 0.1.2 Summary per product

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

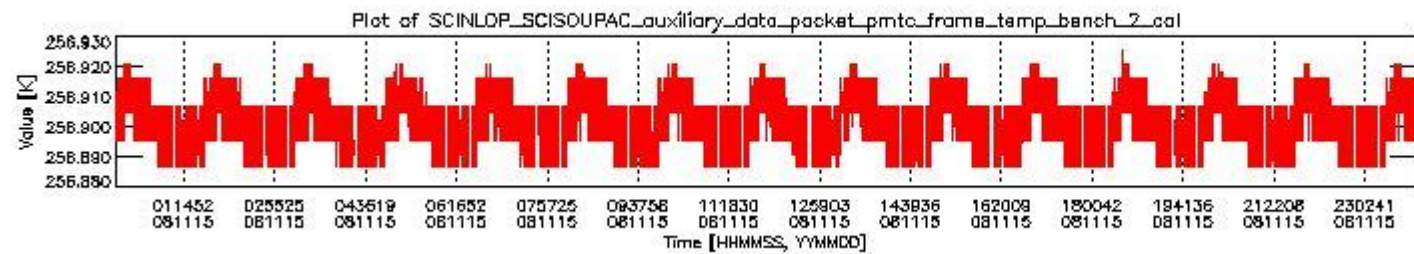
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081114_232530_000056862073_00459_35082_7908.N1	14NOV2008 23:25:30	15NOV2008 01:00:15	0	0	0	0	0
1	SCI_NL__OPNPDE20081115_010606_000043652073_00460_35083_7909.N1	15NOV2008 01:06:06	15NOV2008 02:18:51	0	0	0	0	0
2	SCI_NL__OPNPDE20081115_021851_000057312073_00461_35084_7910.N1	15NOV2008 02:18:51	15NOV2008 03:54:23	0	0	0	0	0
3	SCI_NL__OPNPDE20081115_035423_000060922073_00462_35085_7911.N1	15NOV2008 03:54:23	15NOV2008 05:35:55	0	0	0	0	0
4	SCI_NL__OPNPDE20081115_053555_000060492073_00463_35086_7912.N1	15NOV2008 05:35:55	15NOV2008 07:16:44	0	0	0	0	0
5	SCI_NL__OPNPDK20081115_071535_000041702073_00464_35087_9937.N1	15NOV2008 07:15:35	15NOV2008 08:25:05	0	0	0	0	0
6	SCI_NL__OPNPDK20081115_082356_000061732073_00465_35088_9938.N1	15NOV2008 08:23:56	15NOV2008 10:06:50	1	1	0	0	0
7	SCI_NL__OPNPDK20081115_100541_000059122073_00466_35089_9939.N1	15NOV2008 10:05:41	15NOV2008 11:44:13	0	0	0	0	0
8	SCI_NL__OPNPDK20081115_114221_000060922073_00467_35090_9940.N1	15NOV2008 11:42:21	15NOV2008 13:23:53	0	0	0	0	0
9	SCI_NL__OPNPDK20081115_132257_000059802073_00468_35091_9941.N1	15NOV2008 13:22:57	15NOV2008 15:02:38	0	0	0	0	0
10	SCI_NL__OPNPDK20081115_150020_000060362073_00469_35092_9942.N1	15NOV2008 15:00:20	15NOV2008 16:40:56	0	0	0	0	0
11	SCI_NL__OPNPDK20081115_163903_000059802073_00470_35093_9943.N1	15NOV2008 16:39:03	15NOV2008 18:18:44	0	0	0	0	0
12	SCI_NL__OPNPDK20081115_181748_000057412073_00471_35094_9944.N1	15NOV2008 18:17:48	15NOV2008 19:53:29	0	0	0	0	0
13	SCI_NL__OPNPDE20081115_195824_000039612073_00472_35095_7913.N1	15NOV2008 19:58:24	15NOV2008 21:04:25	0	0	0	0	0
14	SCI_NL__OPNPDE20081115_210425_000062082073_00472_35095_7914.N1	15NOV2008 21:04:25	15NOV2008 22:47:54	0	0	0	0	0
15	SCI_NL__OPNPDE20081115_225357_000056852073_00473_35096_7915.N1	15NOV2008 22:53:57	16NOV2008 00:28:43	0	0	0	0	0

## 0.2 Product Quality Indicators

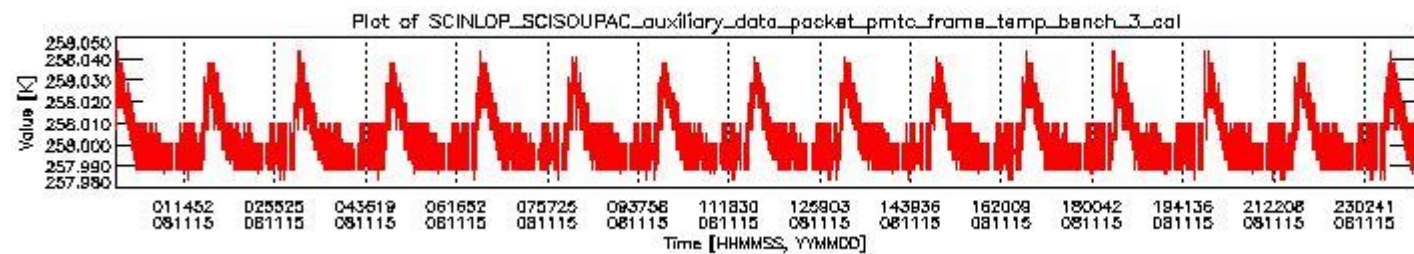
This section shows information about product quality, currently temperatures.



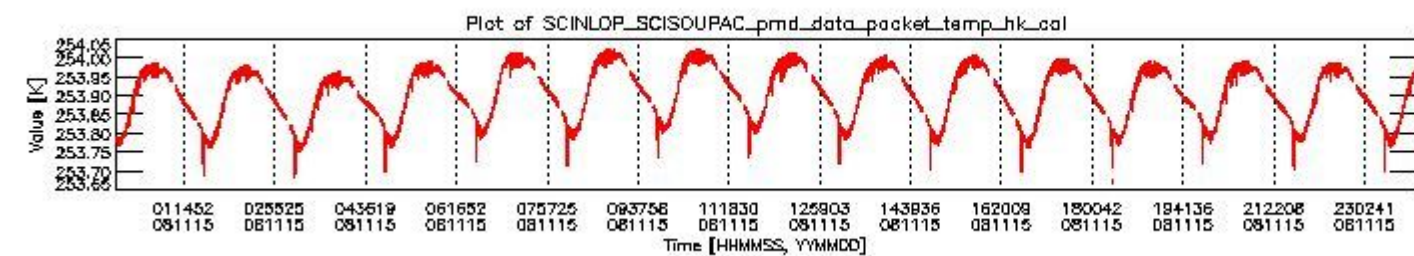
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081115\_0.PNG



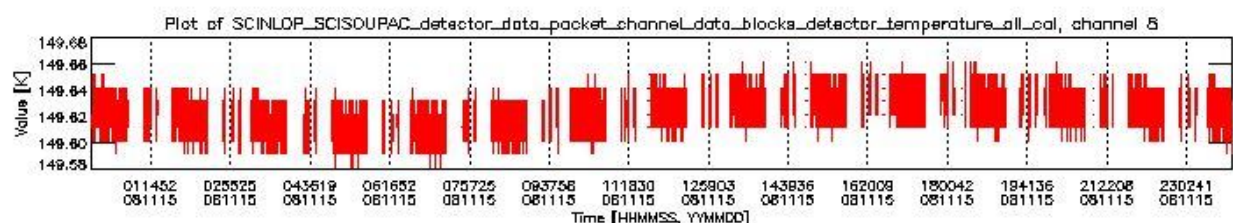
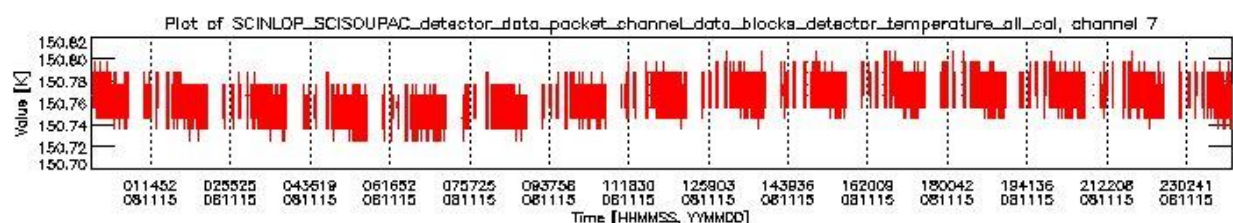
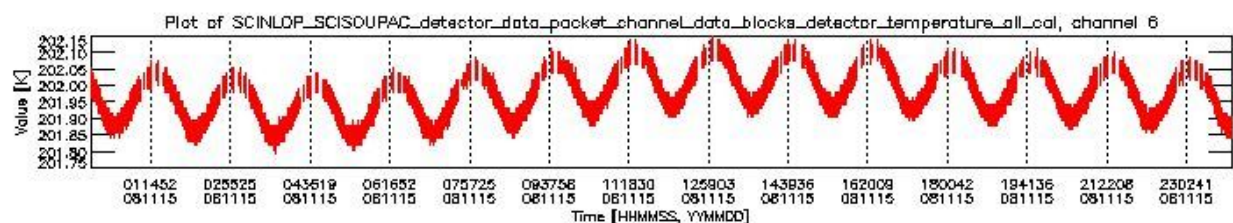
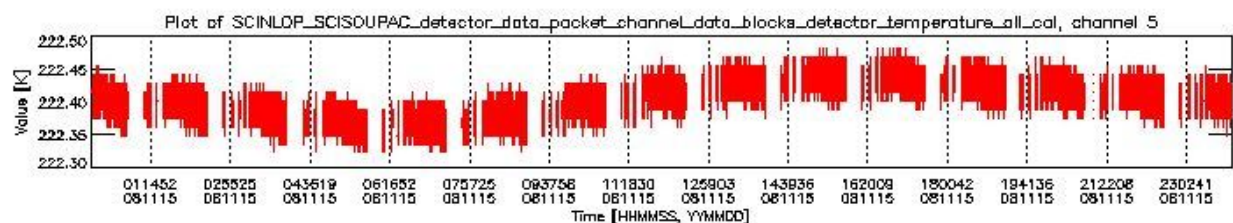
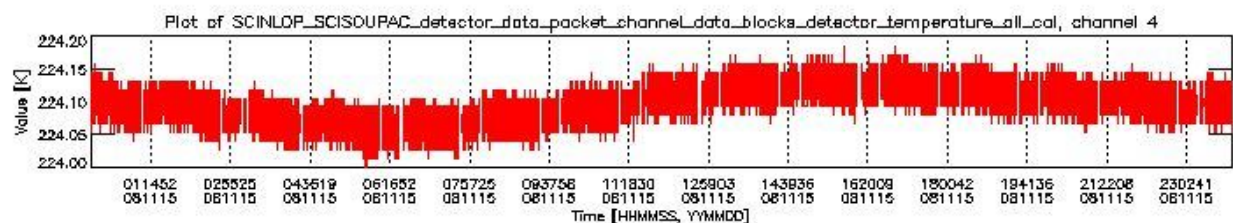
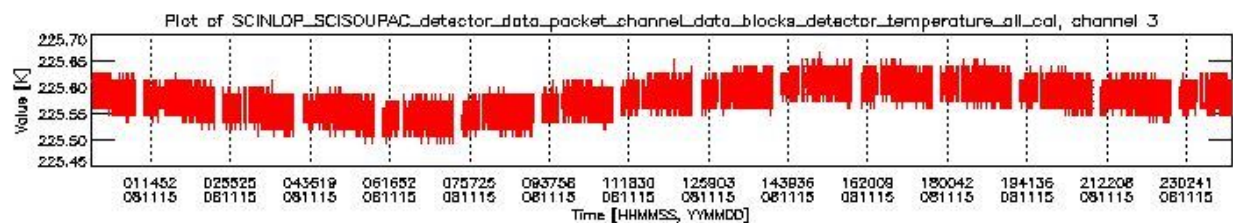
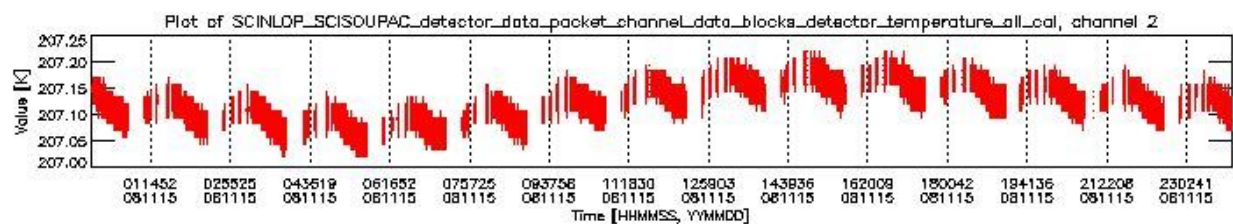
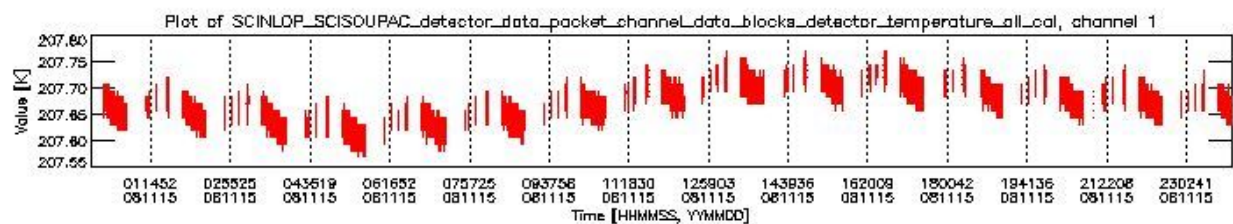
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081115\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081115\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081115\_3.PNG

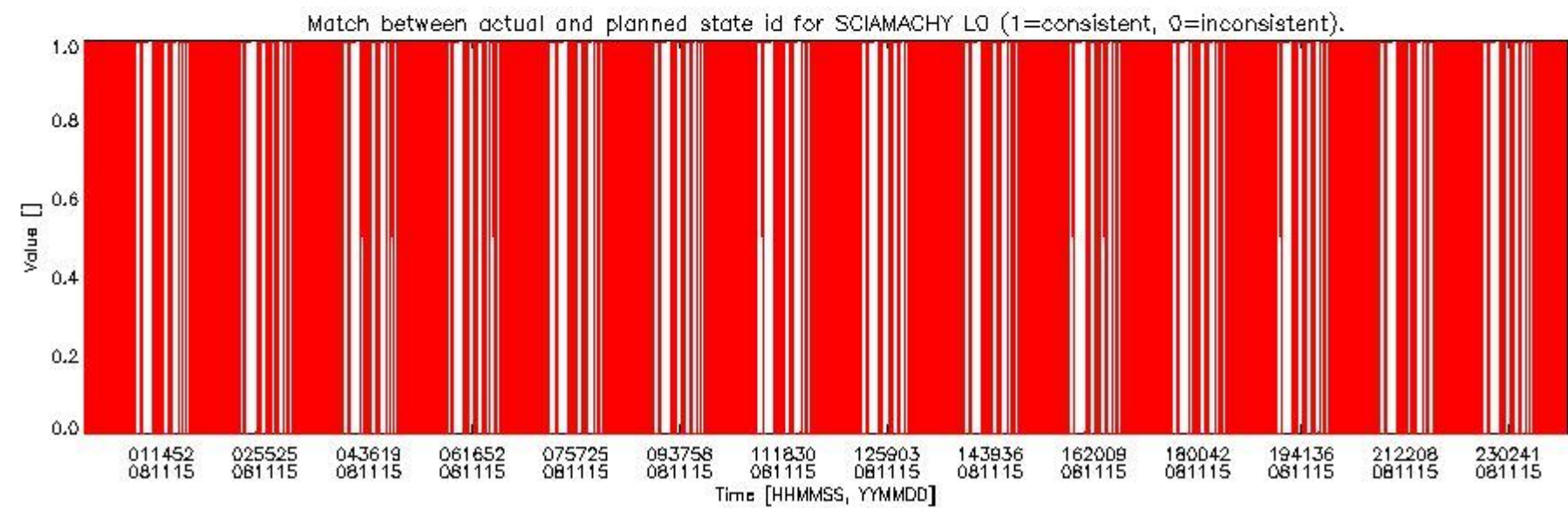
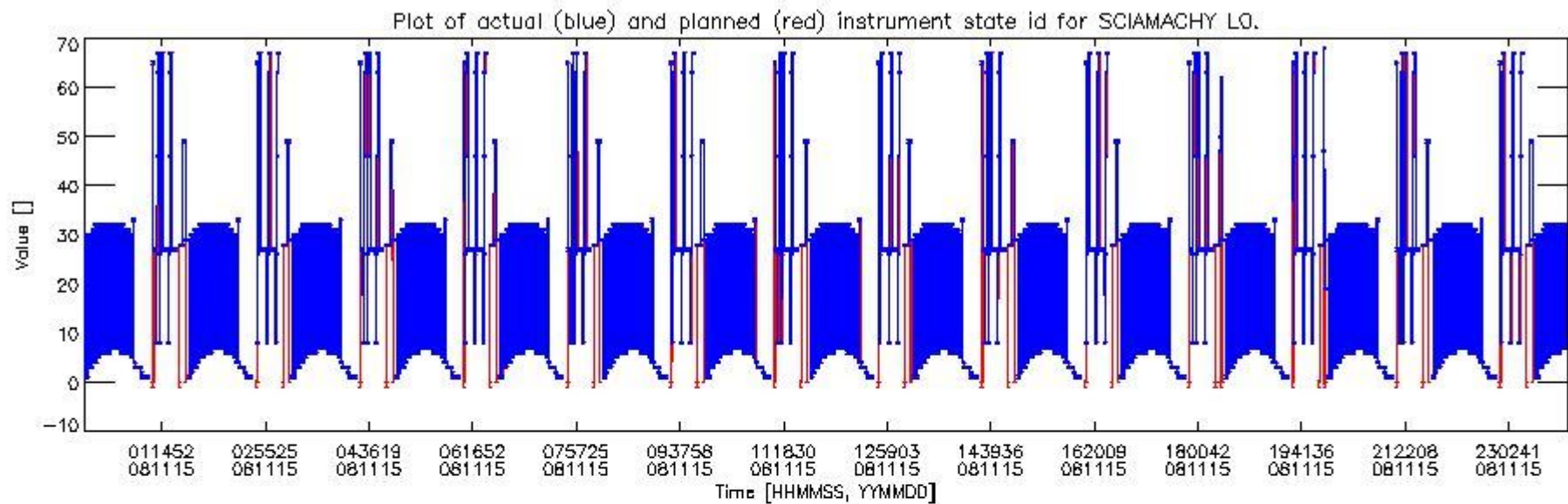


### 0.3 State monitoring

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: **57522**

#	Actual time	Actual value	Planned time	Planned value
0	15NOV2008 00:00:00.088795	1	15NOV2008 00:00:00.088795	29
1	15NOV2008 00:00:00.213799	1	15NOV2008 00:00:00.213799	29
2	15NOV2008 00:00:00.338803	1	15NOV2008 00:00:00.338803	29
3	15NOV2008 00:00:00.463808	1	15NOV2008 00:00:00.463808	29
4	15NOV2008 00:00:00.588812	1	15NOV2008 00:00:00.588812	29
5	15NOV2008 00:00:00.713816	1	15NOV2008 00:00:00.713816	29
6	15NOV2008 00:00:00.838821	1	15NOV2008 00:00:00.838821	29
7	15NOV2008 00:00:00.963825	1	15NOV2008 00:00:00.963825	29
8	15NOV2008 00:00:01.088829	1	15NOV2008 00:00:01.088829	29
9	15NOV2008 00:00:01.213793	1	15NOV2008 00:00:01.213793	29
10	15NOV2008 00:00:01.338798	1	15NOV2008 00:00:01.338798	29
11	15NOV2008 00:00:01.463802	1	15NOV2008 00:00:01.463802	29
12	15NOV2008 00:00:01.588807	1	15NOV2008 00:00:01.588807	29
13	15NOV2008 00:00:01.713811	1	15NOV2008 00:00:01.713811	29
14	15NOV2008 00:00:01.838815	1	15NOV2008 00:00:01.838815	29
15	15NOV2008 00:00:01.963820	1	15NOV2008 00:00:01.963820	29
16	15NOV2008 00:00:02.088824	1	15NOV2008 00:00:02.088824	29
17	15NOV2008 00:00:02.213828	1	15NOV2008 00:00:02.213828	29
18	15NOV2008 00:00:02.338792	1	15NOV2008 00:00:02.338792	29
19	15NOV2008 00:00:02.463797	1	15NOV2008 00:00:02.463797	29
...	...	...	...	...

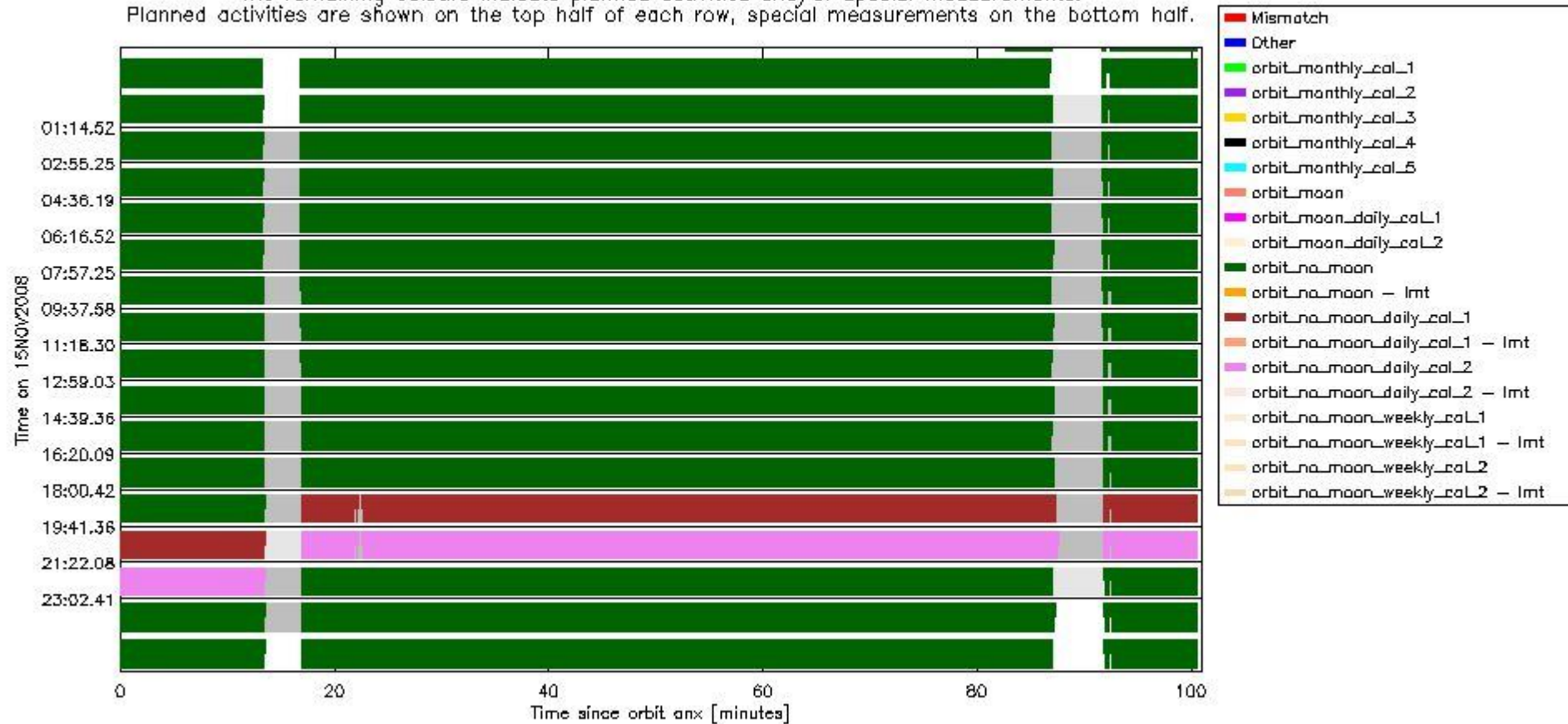


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081115\_5.PNG

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 15NOV2008.  
 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\_20081115\_6.PNG

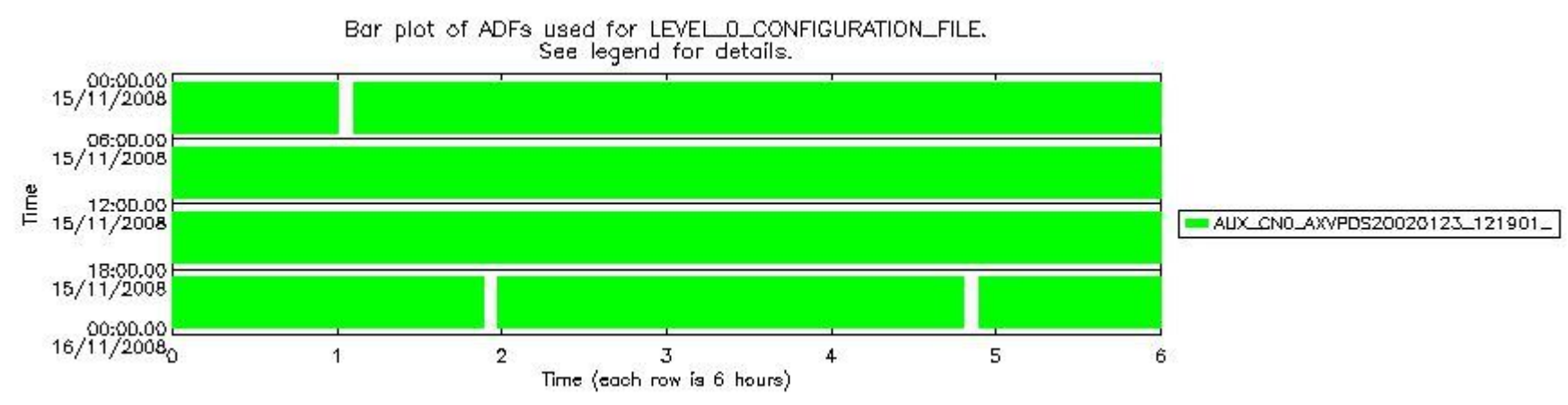
## 0.4 ADF monitoring

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

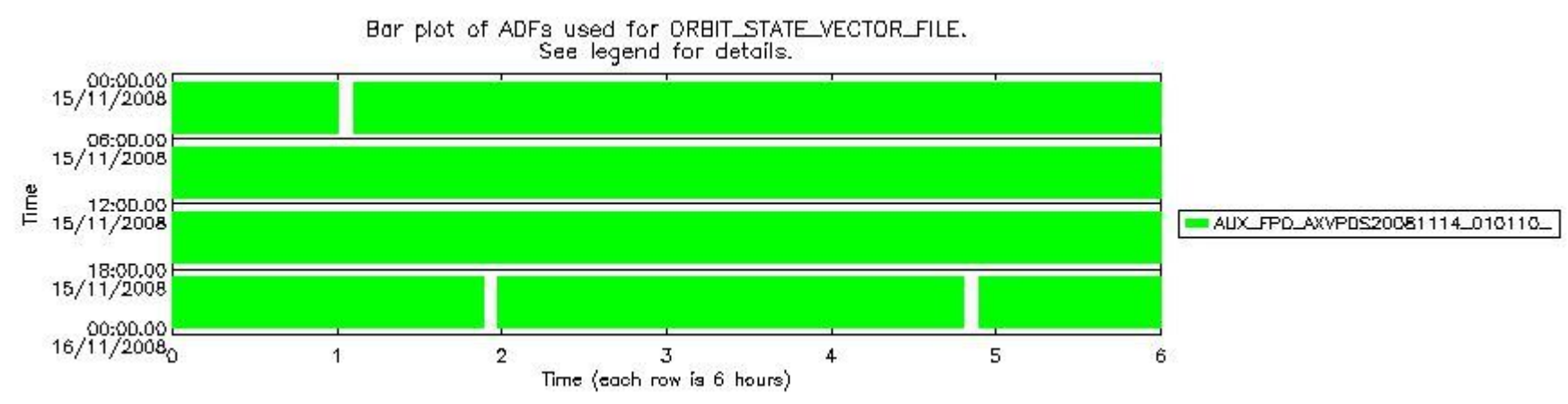
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

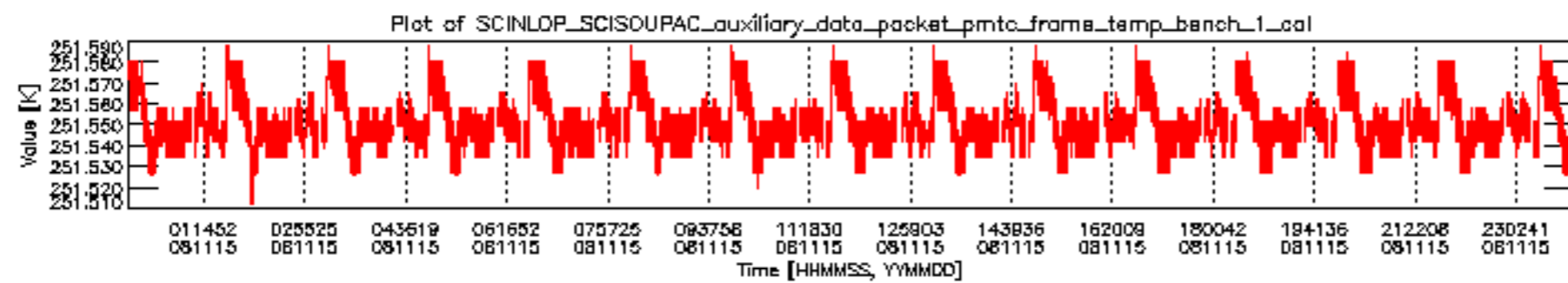
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20081114_010110_20081113_190407_20081123_203020



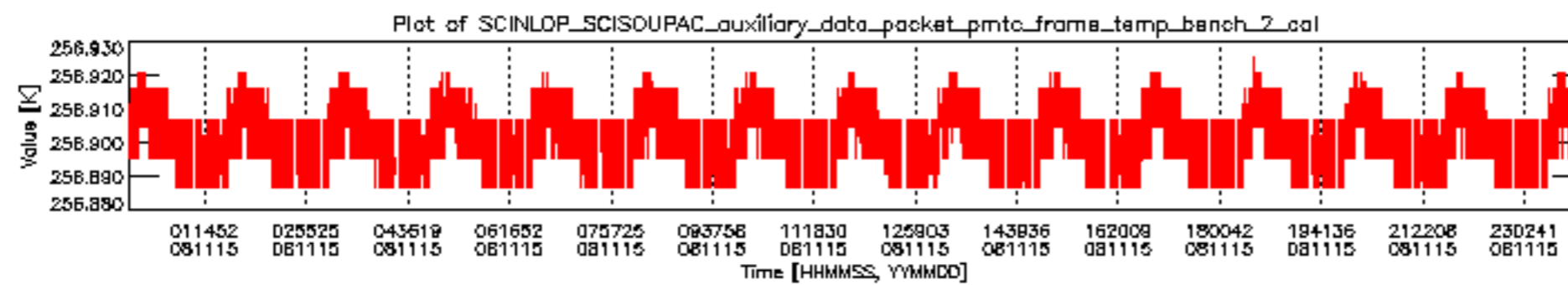
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081115\_7.PNG

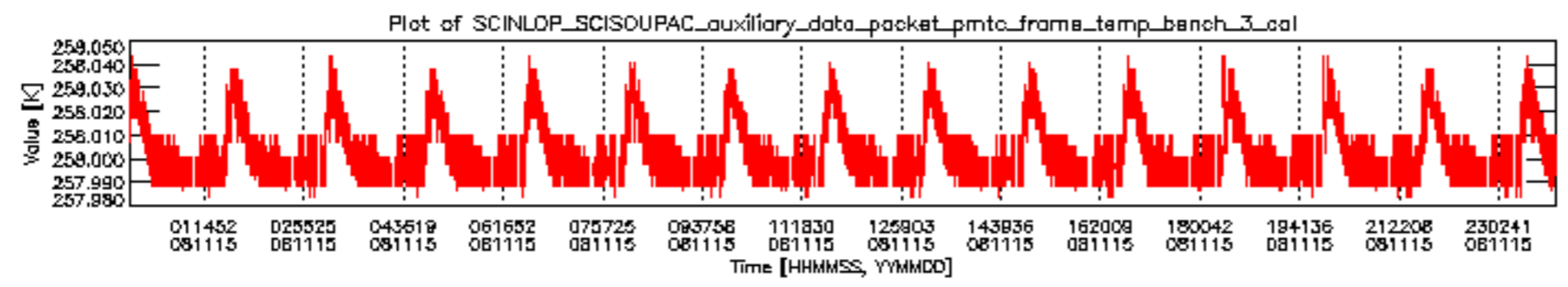


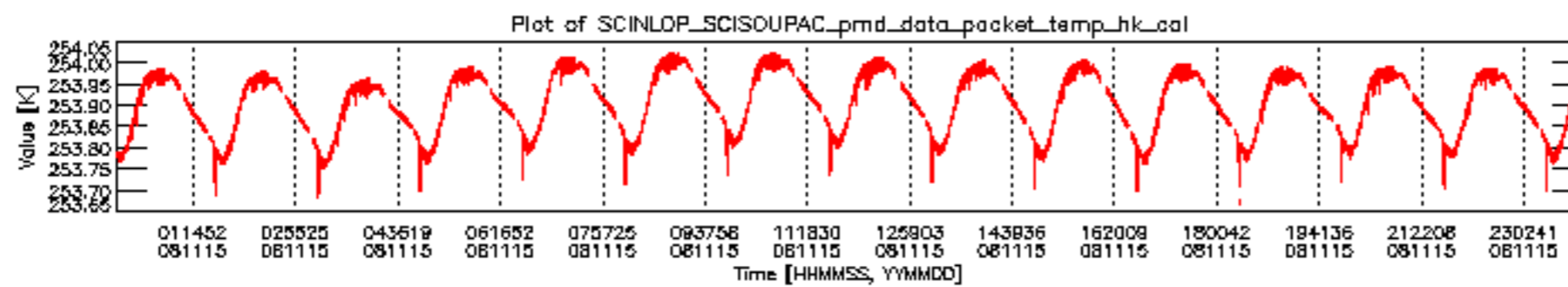
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081115\_8.PNG

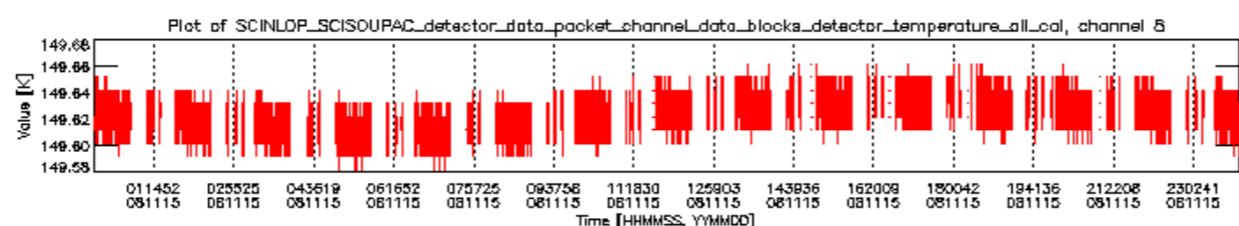
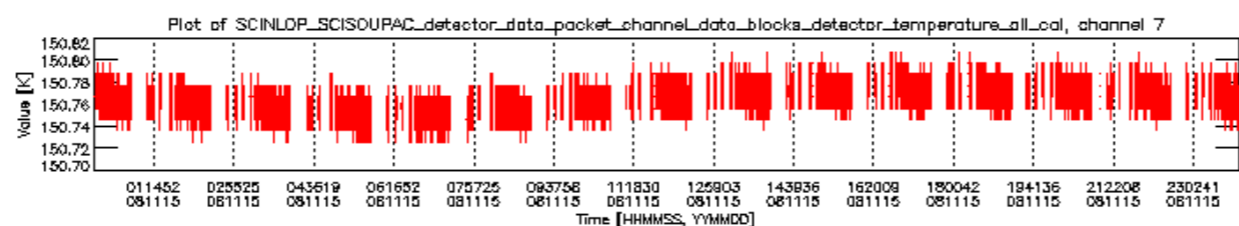
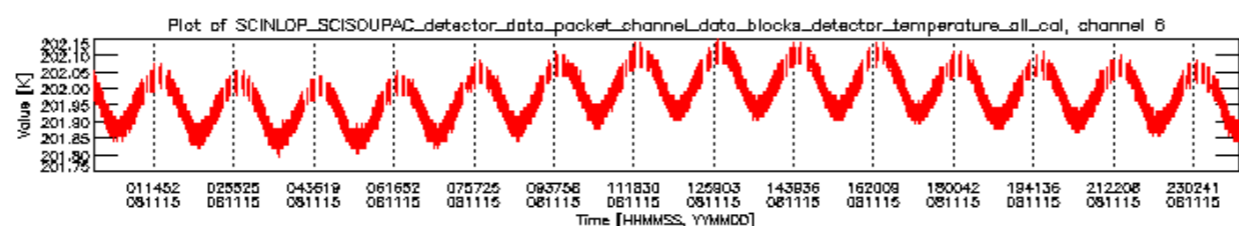
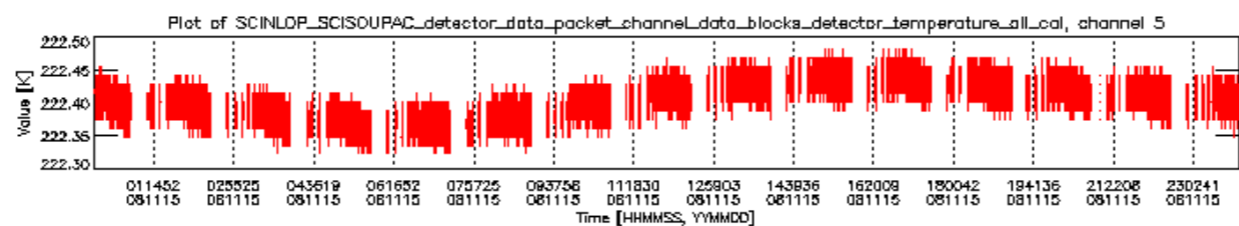
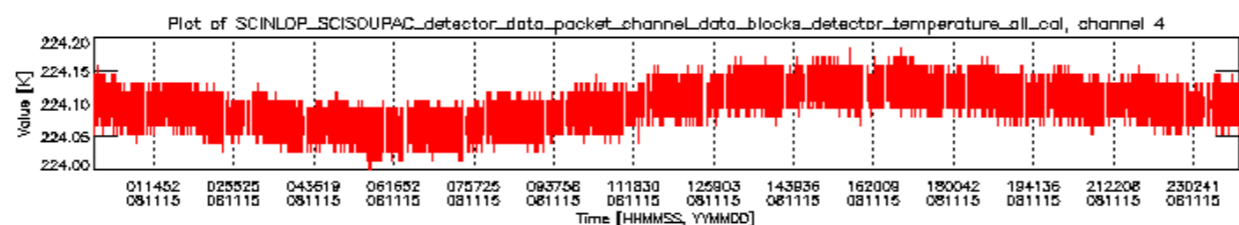
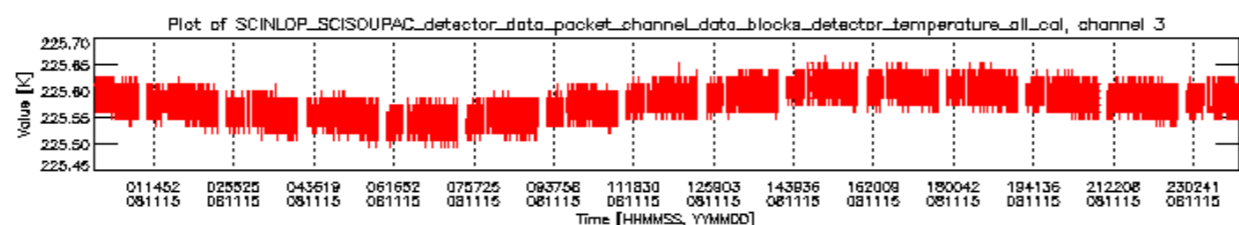
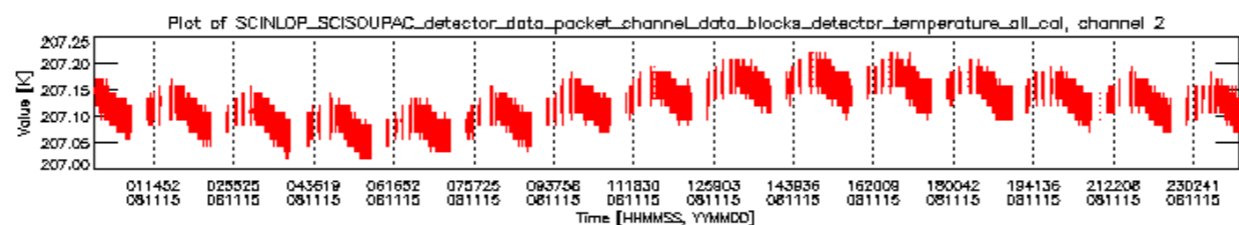
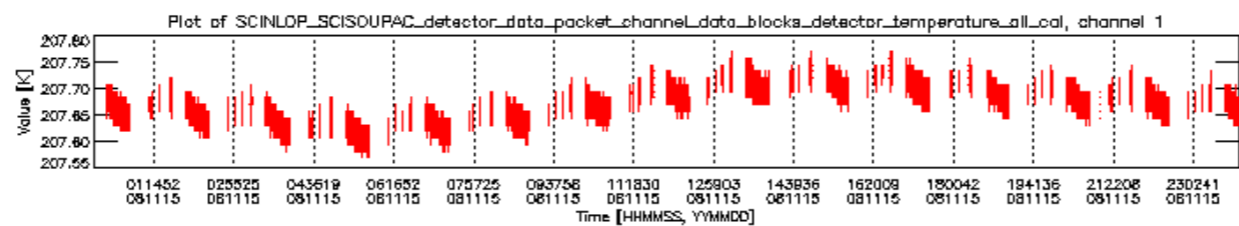














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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