

## 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	16APR2008 04:52:18
Data source version	KSPT_L0/4303-N
Processing scope for products	12APR2008 00:00:00 to 13APR2008 00:00:00
Start time of first product within scope	11APR2008 23:41:54
Stop time of last product within scope	13APR2008 00:52:14
Total number of level 0 products	16
Number of level 0 products with errors	0

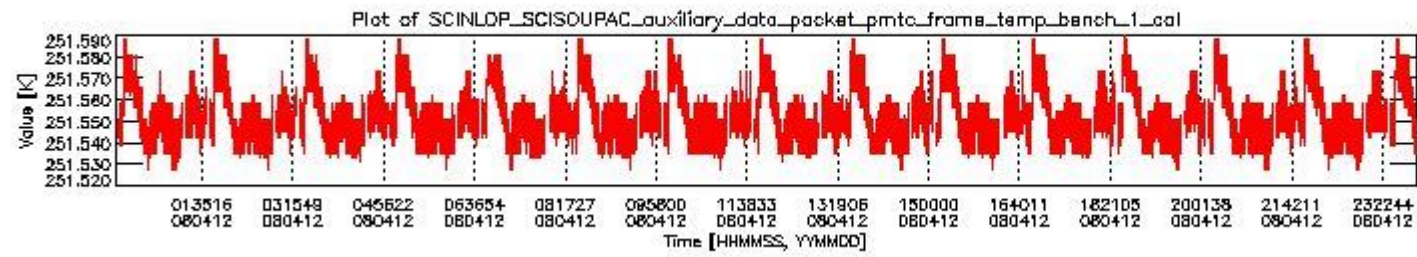
### 0.1.2 Summary per product

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

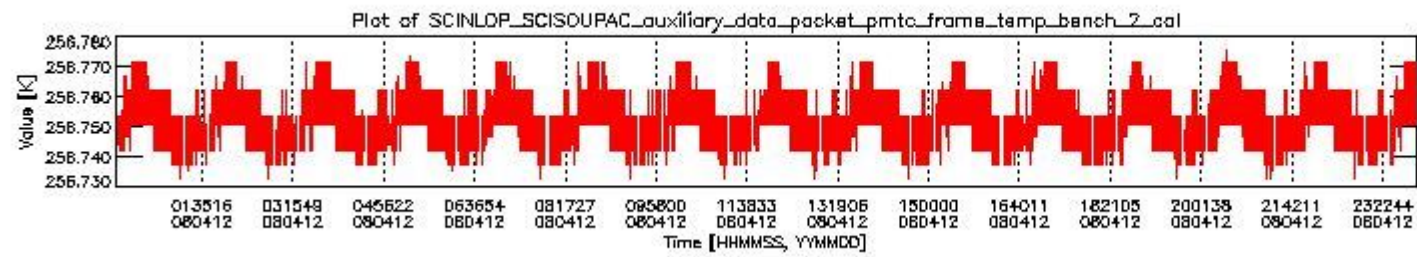
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080411_234154_000060402067_00359_31976_6304.N1	11APR2008 23:41:54	12APR2008 01:22:34	0	0	0	0	0
1	SCI_NL__OPNPDE20080412_012234_000046282067_00360_31977_6305.N1	12APR2008 01:22:34	12APR2008 02:39:42	0	0	0	0	0
2	SCI_NL__OPNPDE20080412_023942_000057872067_00361_31978_6306.N1	12APR2008 02:39:42	12APR2008 04:16:09	0	0	0	0	0
3	SCI_NL__OPNPDE20080412_041609_000060922067_00362_31979_6307.N1	12APR2008 04:16:09	12APR2008 05:57:40	0	0	0	0	0
4	SCI_NL__OPNPDK20080412_055740_000040572067_00363_31980_7926.N1	12APR2008 05:57:40	12APR2008 07:05:18	0	0	0	0	0
5	SCI_NL__OPNPDK20080412_070518_000061472067_00364_31981_7927.N1	12APR2008 07:05:18	12APR2008 08:47:45	0	0	0	0	0
6	SCI_NL__OPNPDK20080412_084649_000059802067_00365_31982_7928.N1	12APR2008 08:46:49	12APR2008 10:26:29	0	0	0	0	0
7	SCI_NL__OPNPDK20080412_102520_000060912067_00366_31983_7929.N1	12APR2008 10:25:20	12APR2008 12:06:52	0	0	0	0	0
8	SCI_NL__OPNPDK20080412_120556_000059112067_00367_31984_7930.N1	12APR2008 12:05:56	12APR2008 13:44:27	0	0	0	0	0
9	SCI_NL__OPNPDK20080412_134427_000058432067_00368_31985_7931.N1	12APR2008 13:44:27	12APR2008 15:21:49	0	0	0	0	0
10	SCI_NL__OPNPDK20080412_151945_000059242067_00369_31986_7932.N1	12APR2008 15:19:45	12APR2008 16:58:29	0	0	0	0	0
11	SCI_NL__OPNPDK20080412_165720_000060552067_00370_31987_7933.N1	12APR2008 16:57:20	12APR2008 18:38:15	0	0	0	0	0
12	SCI_NL__OPNPDK20080412_183719_000060362067_00371_31988_7934.N1	12APR2008 18:37:19	12APR2008 20:17:55	0	0	0	0	0
13	SCI_NL__OPNPDE20080412_201603_000044162067_00372_31989_6308.N1	12APR2008 20:16:03	12APR2008 21:29:39	0	0	0	0	0
14	SCI_NL__OPNPDE20080412_212906_000061522067_00372_31989_6309.N1	12APR2008 21:29:06	12APR2008 23:11:38	0	0	0	0	0
15	SCI_NL__OPNPDE20080412_231010_000061232067_00373_31990_6310.N1	12APR2008 23:10:10	13APR2008 00:52:14	0	0	0	0	0

## 0.2 Product Quality Indicators

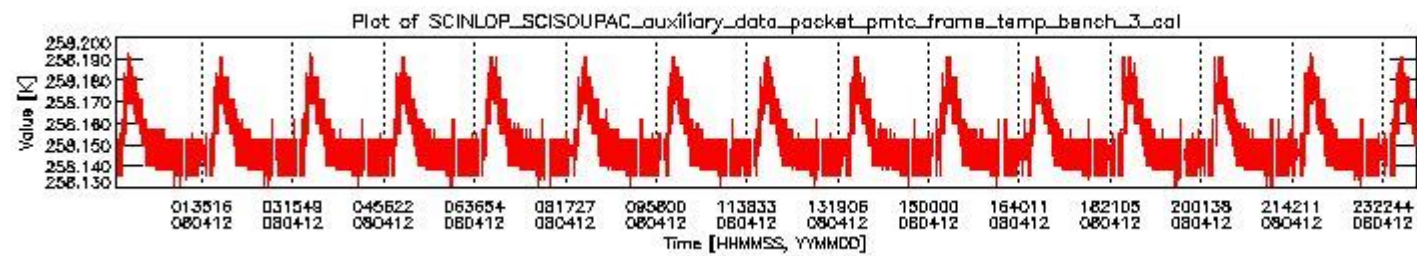
This section shows information about product quality, currently temperatures.



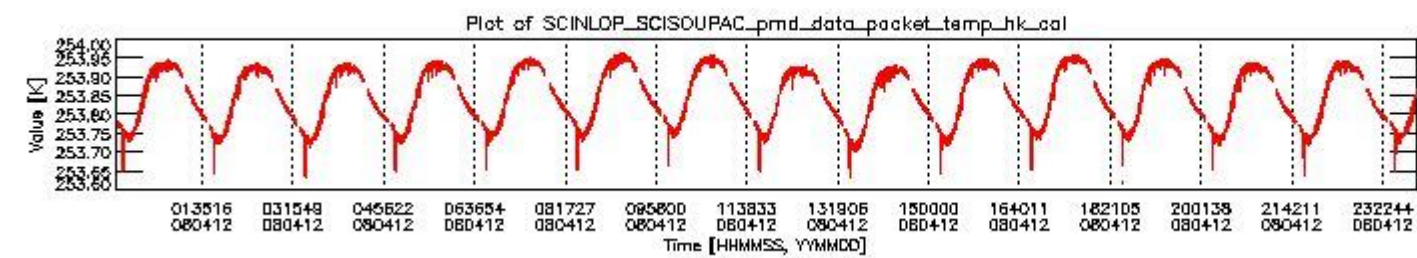
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080412\_0.PNG



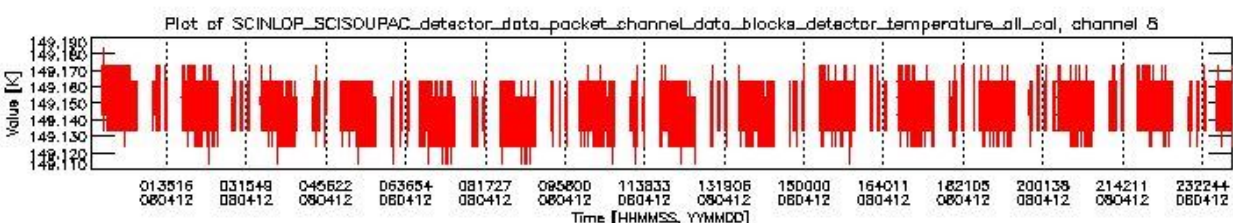
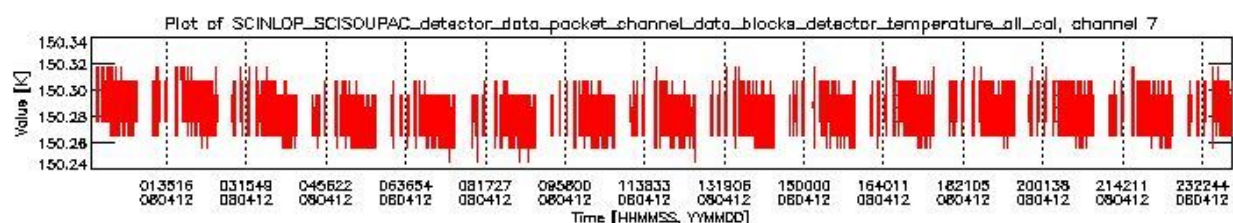
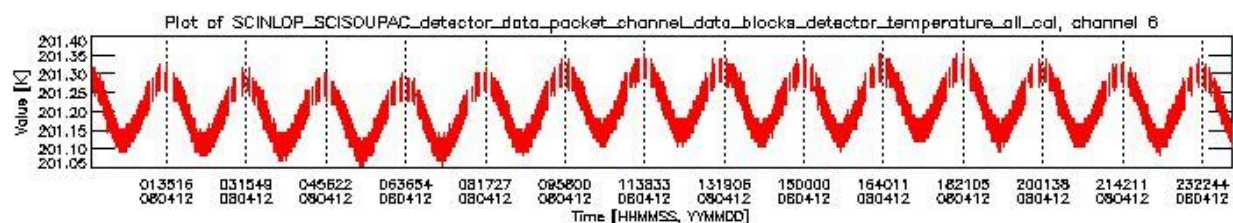
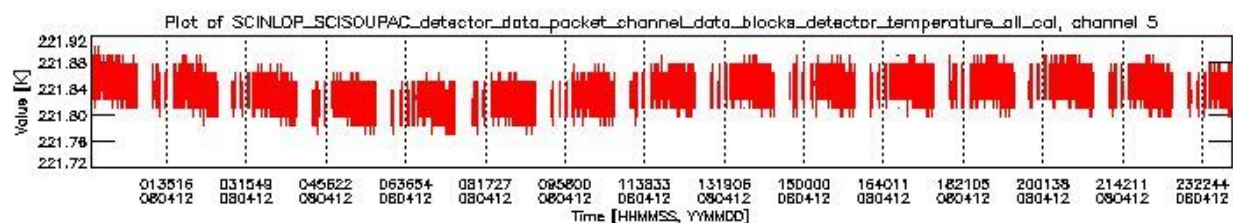
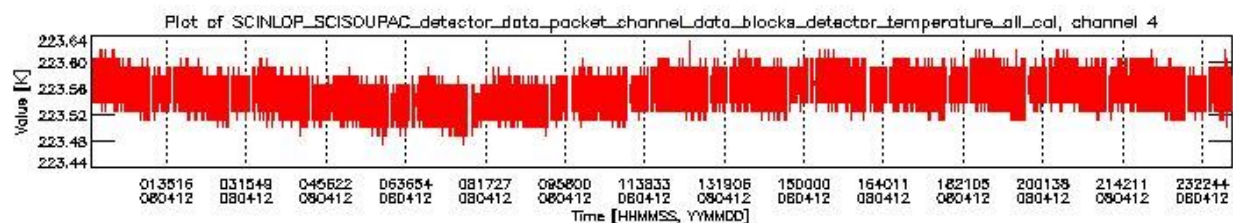
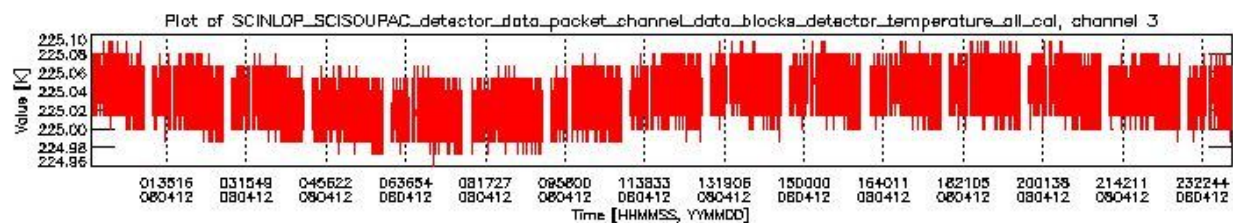
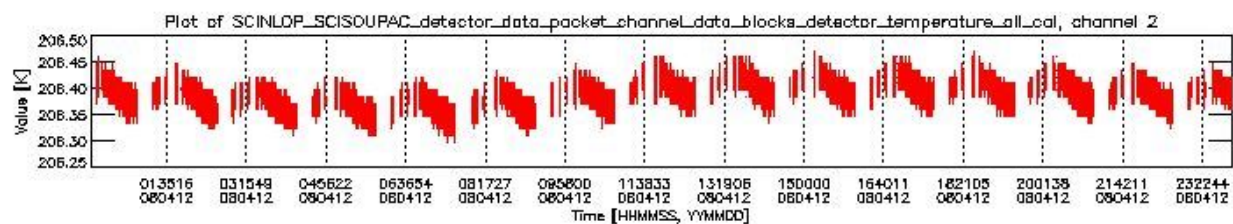
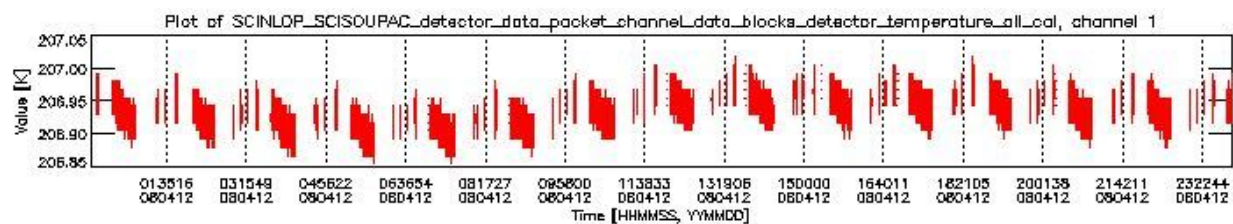
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080412\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080412\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080412\_3.PNG

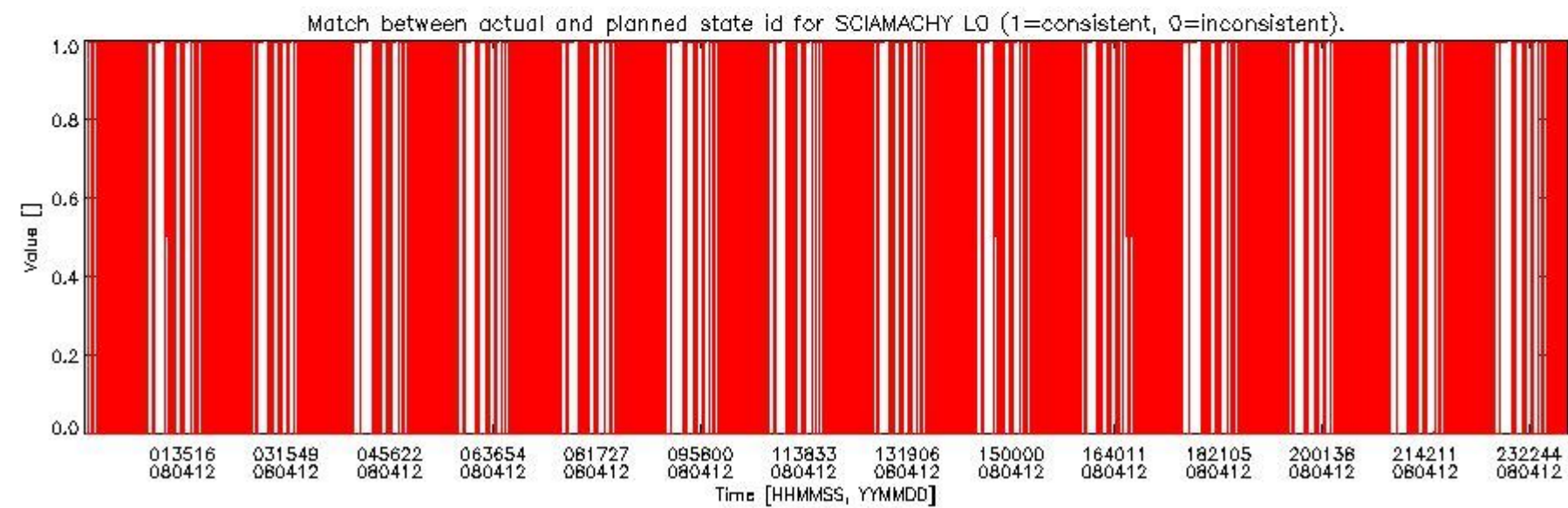
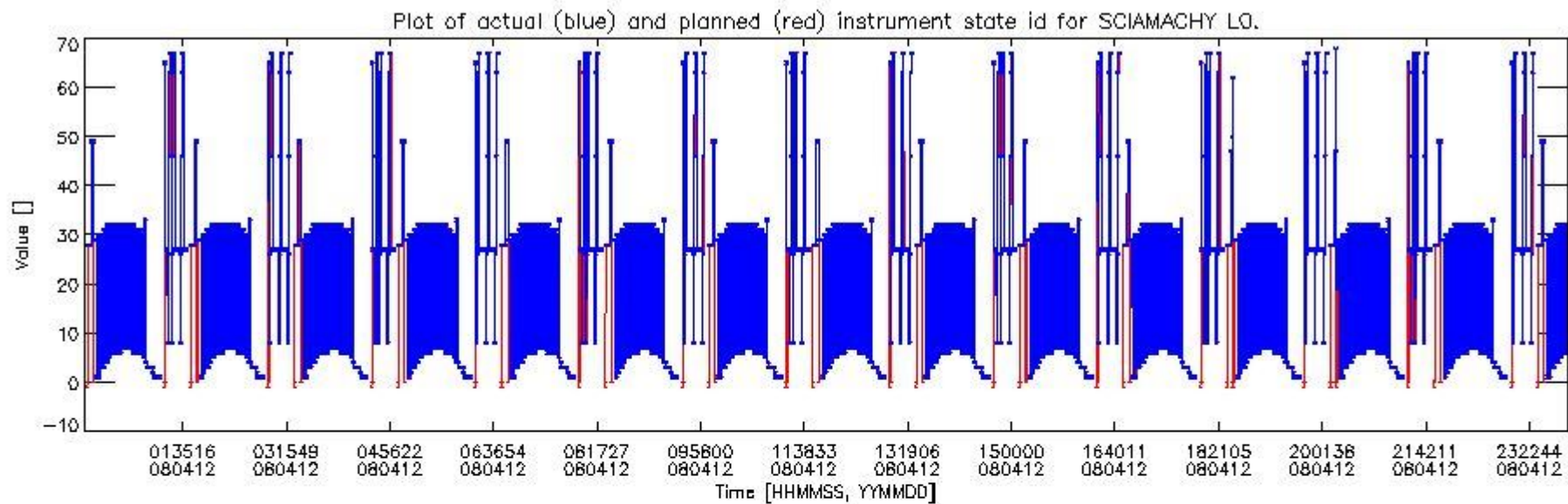


### 0.3 State monitoring

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: **39572**

#	Actual time	Actual value	Planned time	Planned value
0	12APR2008 00:02:35.385277	28	12APR2008 00:02:35.385277	0
1	12APR2008 00:02:36.010298	28	12APR2008 00:02:36.010298	0
2	12APR2008 00:02:36.385271	28	12APR2008 00:02:36.385271	0
3	12APR2008 00:02:36.760284	28	12APR2008 00:02:36.760284	0
4	12APR2008 00:02:37.322784	28	12APR2008 00:02:37.322784	0
5	12APR2008 00:02:37.697797	28	12APR2008 00:02:37.697797	0
6	12APR2008 00:02:38.072810	28	12APR2008 00:02:38.072810	0
7	12APR2008 00:02:38.447783	28	12APR2008 00:02:38.447783	0
8	12APR2008 00:02:39.010282	28	12APR2008 00:02:39.010282	0
9	12APR2008 00:02:39.385295	28	12APR2008 00:02:39.385295	0
10	12APR2008 00:02:39.760308	28	12APR2008 00:02:39.760308	0
11	12APR2008 00:02:40.135281	28	12APR2008 00:02:40.135281	0
12	12APR2008 00:02:40.385290	28	12APR2008 00:02:40.385290	0
13	12APR2008 00:02:40.697781	28	12APR2008 00:02:40.697781	0
14	12APR2008 00:02:41.072794	28	12APR2008 00:02:41.072794	0
15	12APR2008 00:02:41.447807	28	12APR2008 00:02:41.447807	0
16	12APR2008 00:02:41.822779	28	12APR2008 00:02:41.822779	0
17	12APR2008 00:02:42.385279	28	12APR2008 00:02:42.385279	0
18	12APR2008 00:02:42.760292	28	12APR2008 00:02:42.760292	0
19	12APR2008 00:02:43.135305	28	12APR2008 00:02:43.135305	0
	...	...	...	...

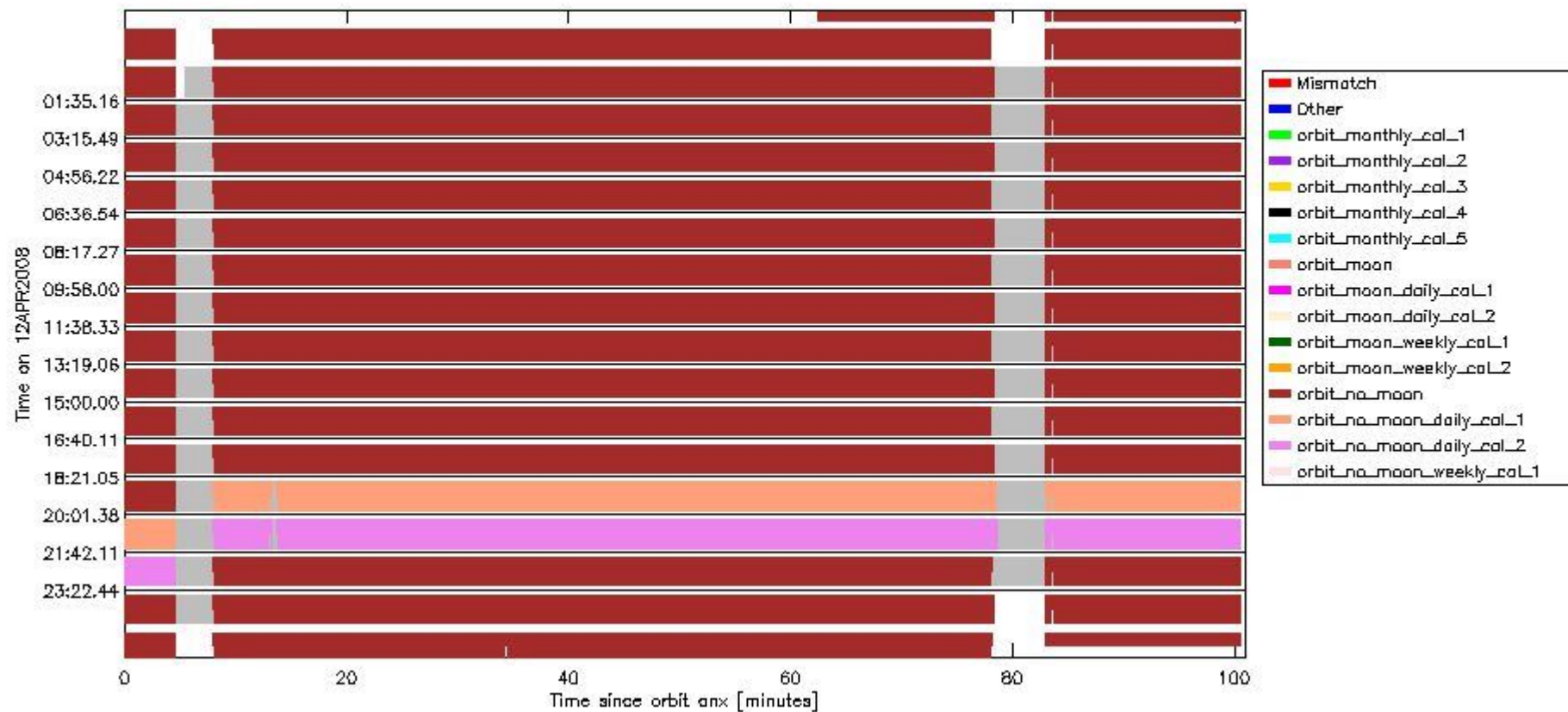


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080412\_5.PNG

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 12APR2008.  
 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\_20080412\_6.PNG

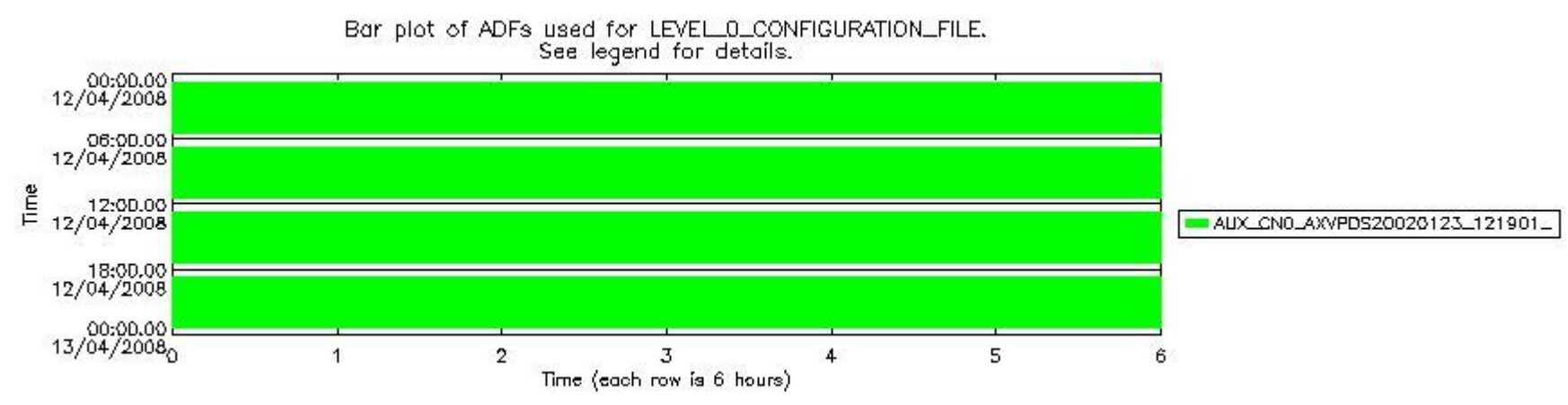
## 0.4 ADF monitoring

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

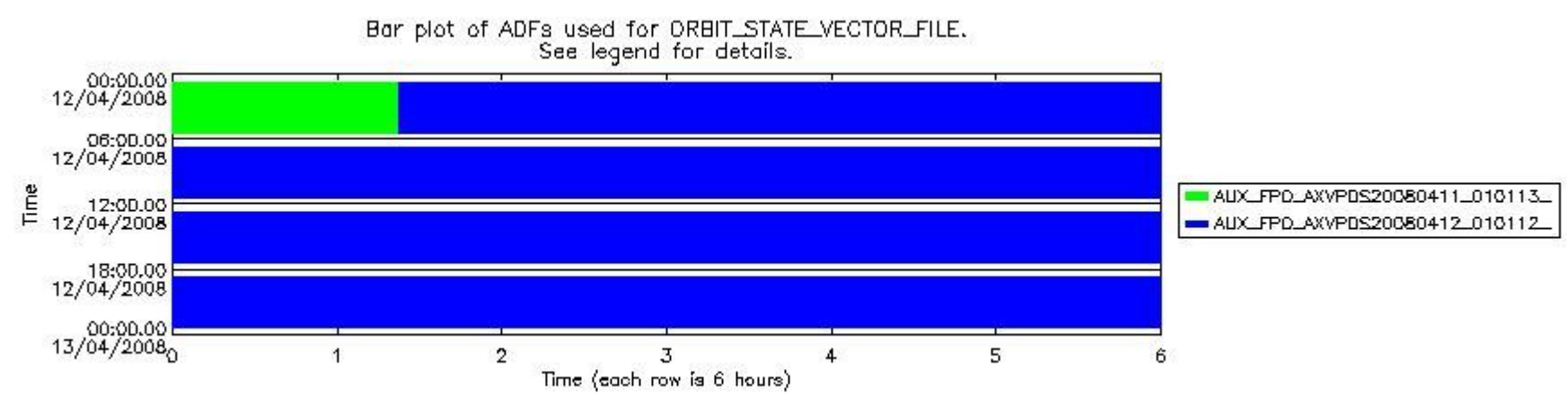
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

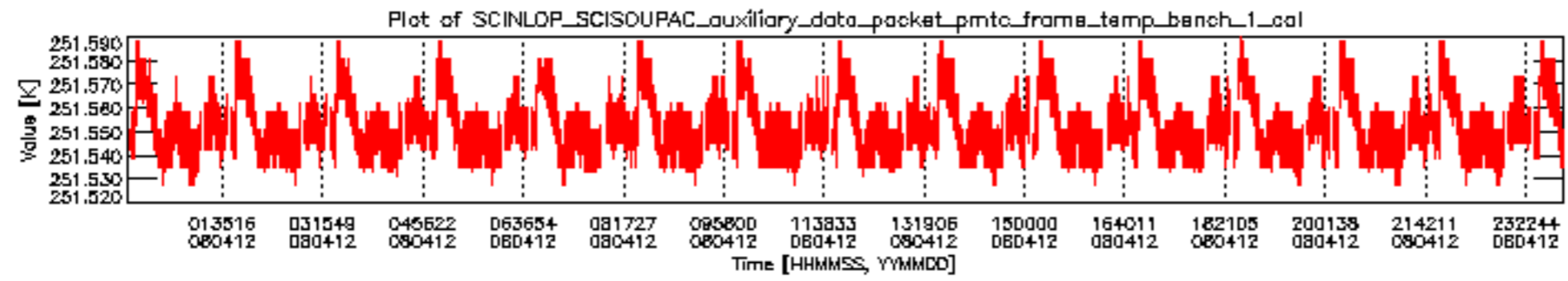
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080411_010113_20080410_192417_20080420_205029</b>
2	<b>AUX_FPO_AXVPDS20080412_010112_20080411_185240_20080421_201852</b>



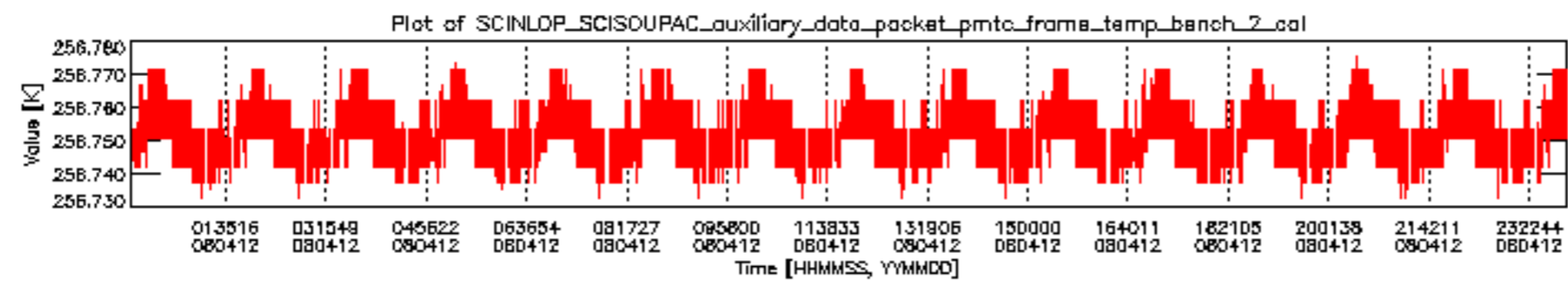
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080412\_7.PNG

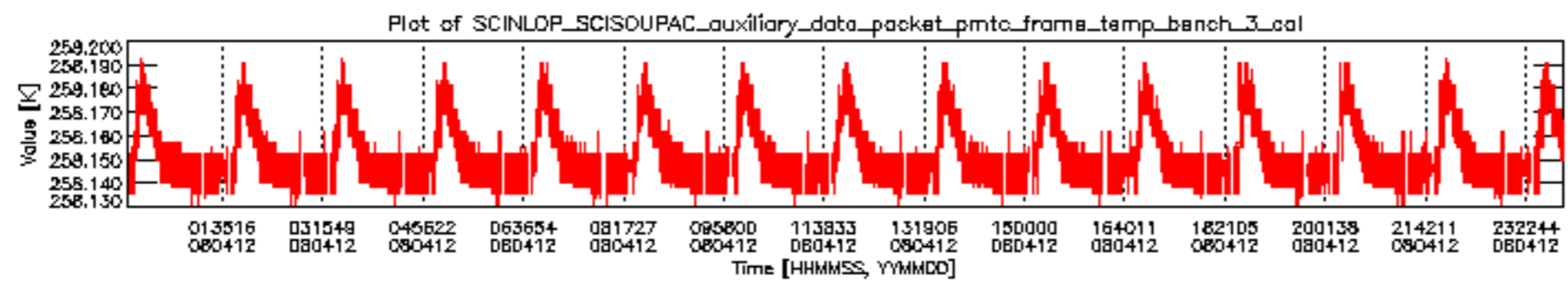


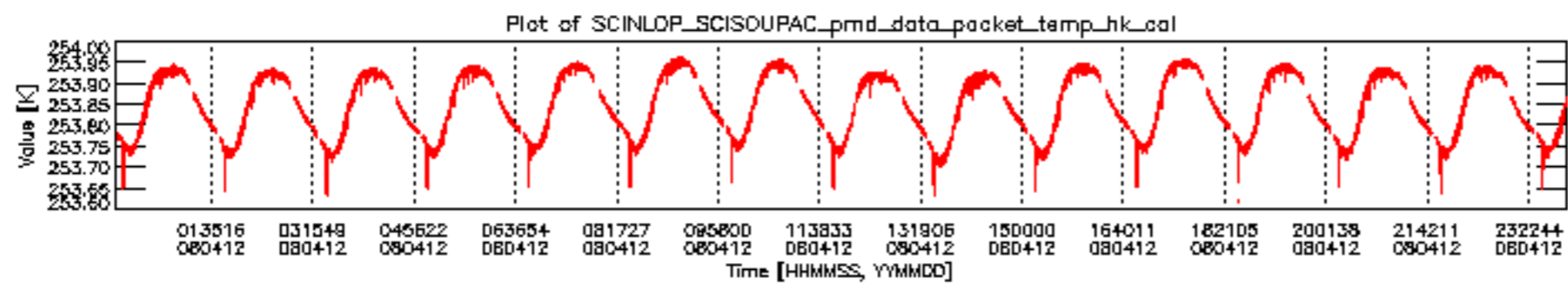
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080412\_8.PNG

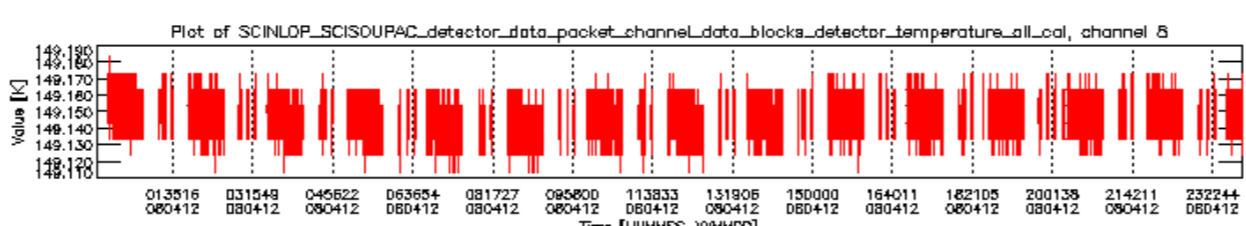
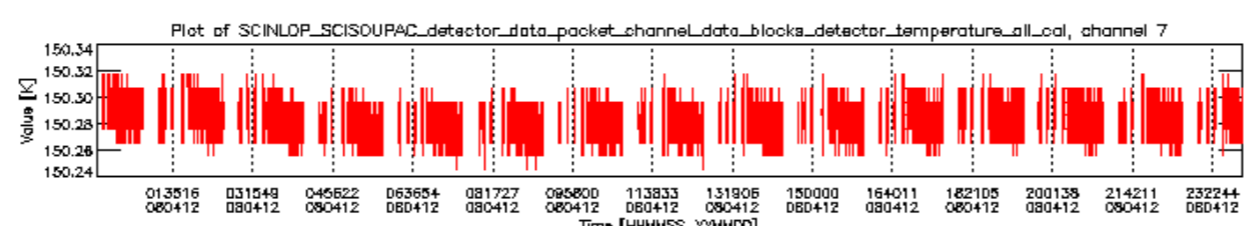
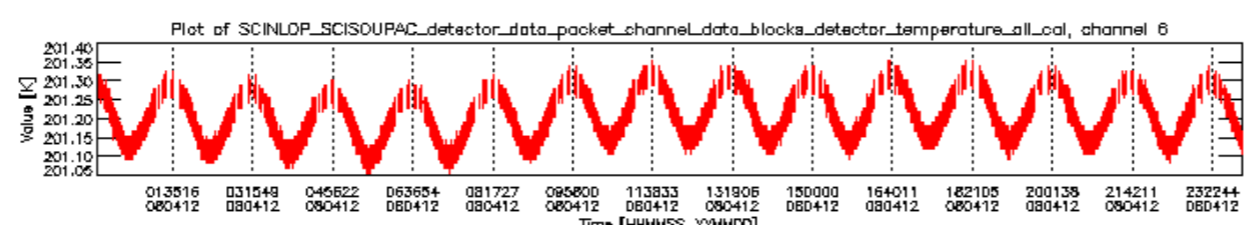
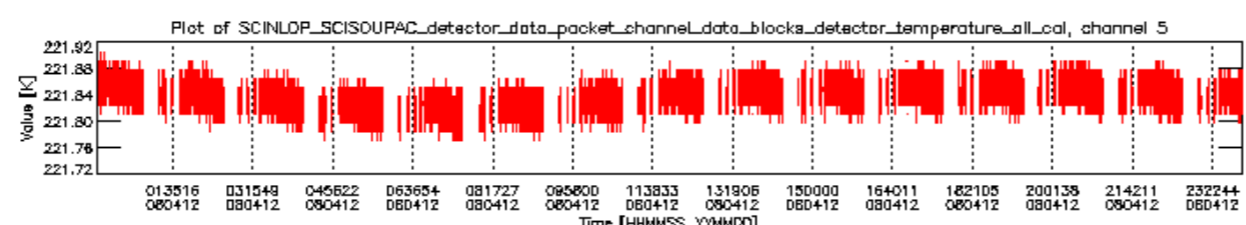
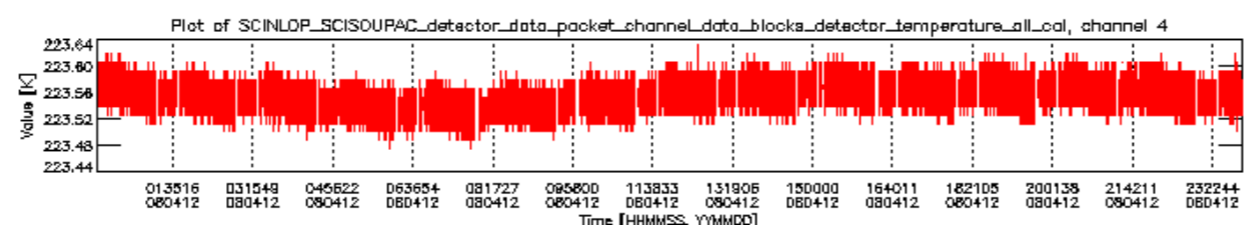
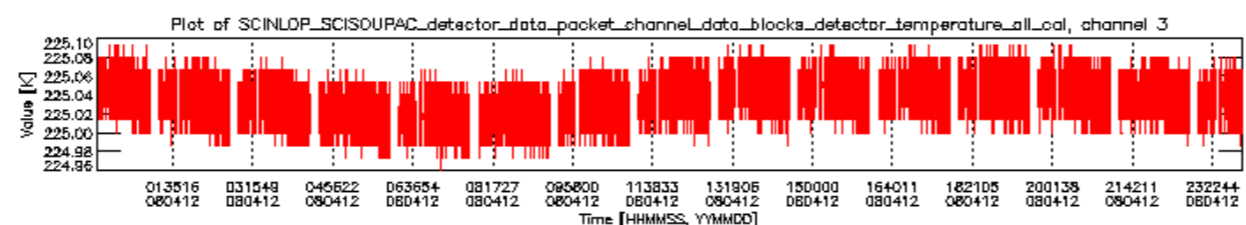
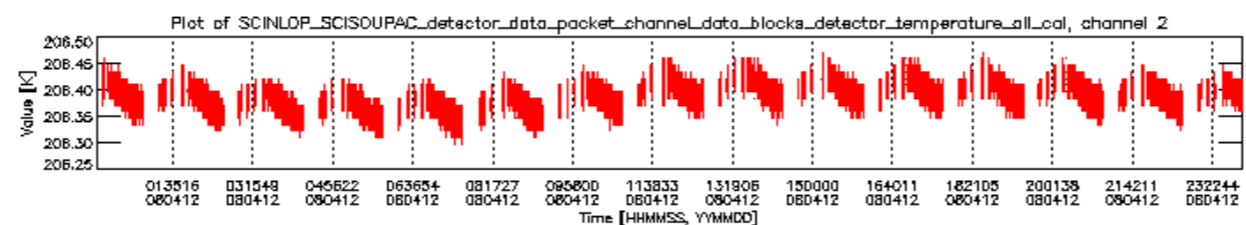
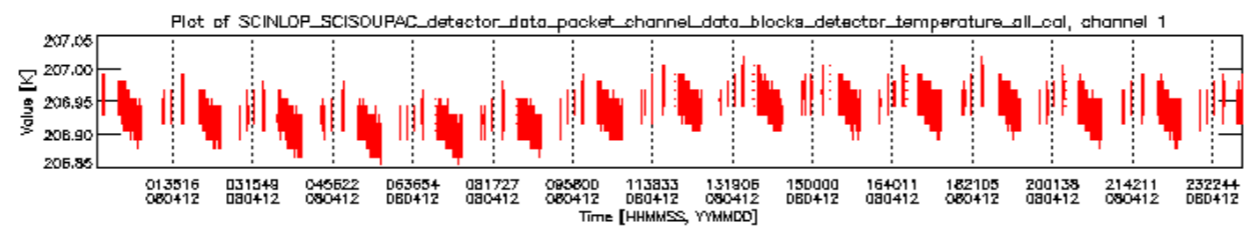














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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