

## 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	02AUG2008 06:56:43
Data source version	KSPT_L0/4303-N
Processing scope for products	29JUL2008 00:00:00 to 30JUL2008 00:00:00
Start time of first product within scope	28JUL2008 23:48:47
Stop time of last product within scope	30JUL2008 00:56:59
Total number of level 0 products	16
Number of level 0 products with errors	0

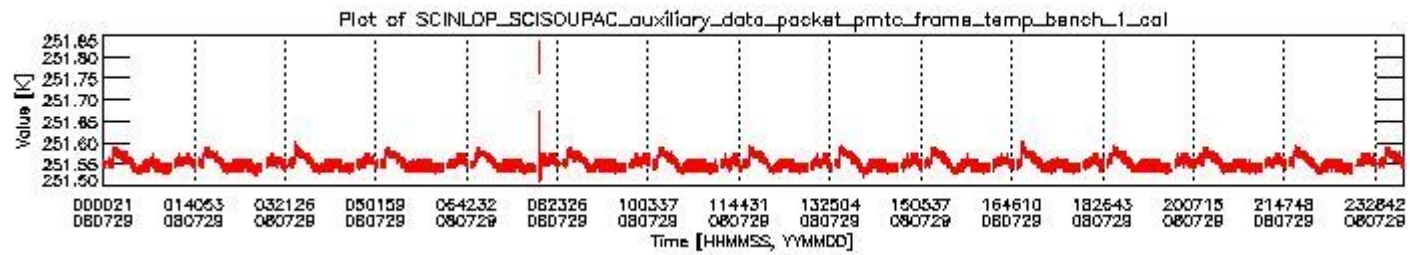
### 0.1.2 Summary per product

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

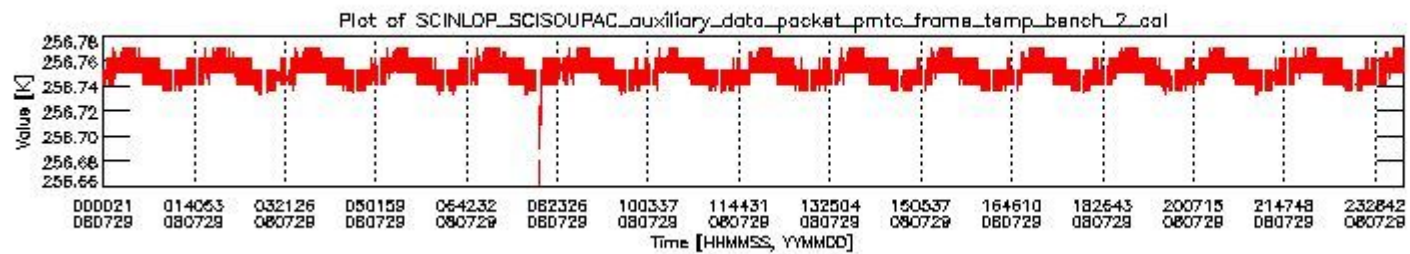
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080728_234847_000059512070_00402_33522_7202.N1	28JUL2008 23:48:47	29JUL2008 01:27:58	0	0	0	0	0
1	SCI_NL__OPNPDE20080729_012627_000047572070_00403_33523_7203.N1	29JUL2008 01:26:27	29JUL2008 02:45:45	0	0	0	0	0
2	SCI_NL__OPNPDE20080729_024436_000058562070_00404_33524_7204.N1	29JUL2008 02:44:36	29JUL2008 04:22:12	0	0	0	0	0
3	SCI_NL__OPNPDE20080729_042103_000060922070_00405_33525_7205.N1	29JUL2008 04:21:03	29JUL2008 06:02:36	0	0	0	0	0
4	SCI_NL__OPNPDK20080729_060140_000041702070_00406_33526_8892.N1	29JUL2008 06:01:40	29JUL2008 07:11:10	0	0	0	0	0
5	SCI_NL__OPNPDK20080729_071014_000061482070_00407_33527_8893.N1	29JUL2008 07:10:14	29JUL2008 08:52:42	0	0	0	0	0
6	SCI_NL__OPNPDK20080729_085242_000059242070_00408_33528_8894.N1	29JUL2008 08:52:42	29JUL2008 10:31:26	0	0	0	0	0
7	SCI_NL__OPNPDK20080729_103126_000060232070_00409_33529_8895.N1	29JUL2008 10:31:26	29JUL2008 12:11:49	0	0	0	0	0
8	SCI_NL__OPNPDK20080729_121054_000060362070_00410_33530_8896.N1	29JUL2008 12:10:54	29JUL2008 13:51:30	0	0	0	0	0
9	SCI_NL__OPNPDK20080729_135034_000058432070_00411_33531_8897.N1	29JUL2008 13:50:34	29JUL2008 15:27:57	0	0	0	0	0
10	SCI_NL__OPNPDK20080729_152757_000057872070_00412_33532_8898.N1	29JUL2008 15:27:57	29JUL2008 17:04:24	0	0	0	0	0
11	SCI_NL__OPNPDK20080729_170329_000060162070_00413_33533_8899.N1	29JUL2008 17:03:29	29JUL2008 18:43:44	0	0	0	0	0
12	SCI_NL__OPNPDK20080729_184236_000061432070_00414_33534_8900.N1	29JUL2008 18:42:36	29JUL2008 20:24:59	0	0	0	0	0
13	SCI_NL__OPNPDE20080729_202350_000043172070_00415_33535_7206.N1	29JUL2008 20:23:50	29JUL2008 21:35:47	0	0	0	0	0
14	SCI_NL__OPNPDE20080729_213513_000060782070_00415_33535_7207.N1	29JUL2008 21:35:13	29JUL2008 23:16:31	0	0	0	0	0
15	SCI_NL__OPNPDE20080729_231503_000061162070_00416_33536_7208.N1	29JUL2008 23:15:03	30JUL2008 00:56:59	0	0	0	0	0

## 0.2 Product Quality Indicators

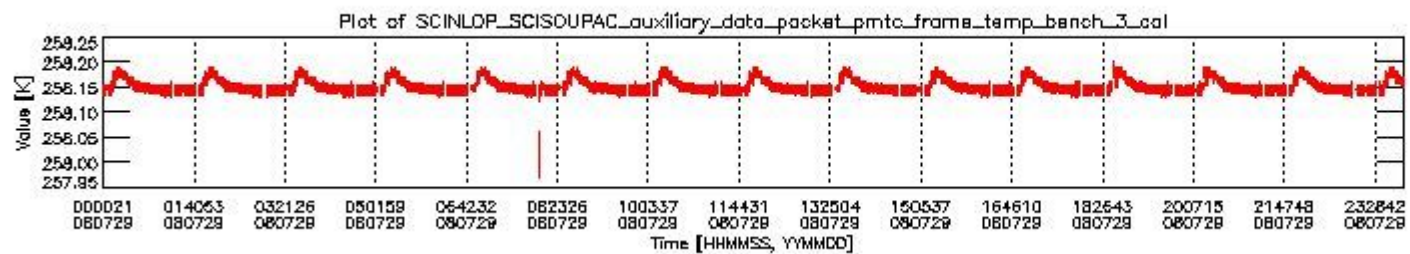
This section shows information about product quality, currently temperatures.



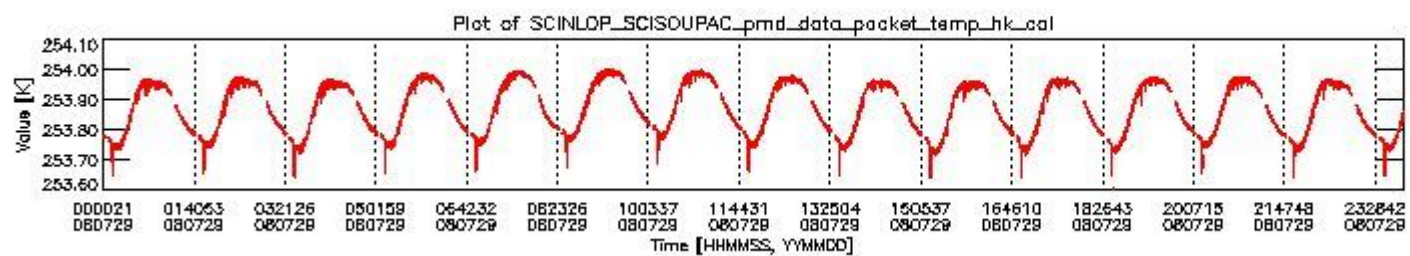
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080729\_0.PNG



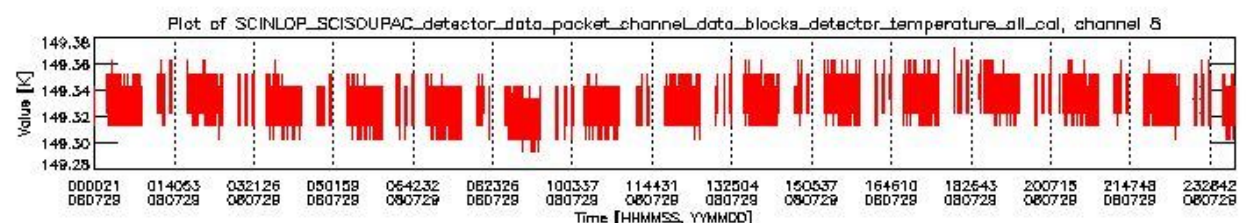
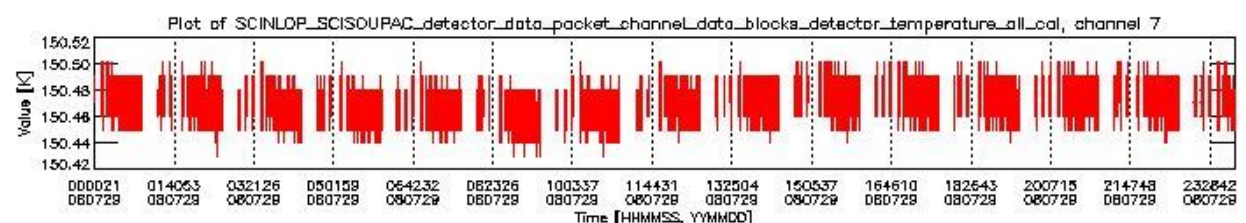
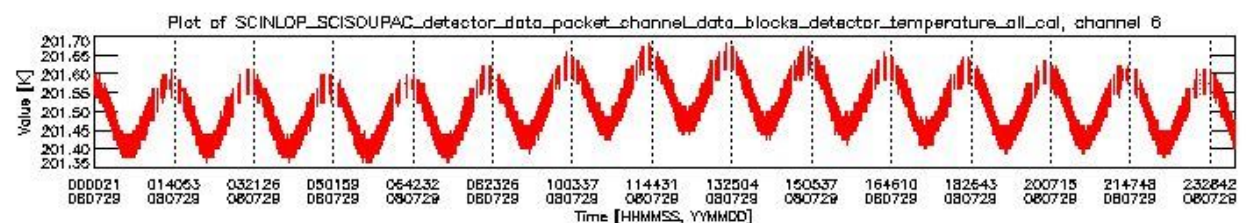
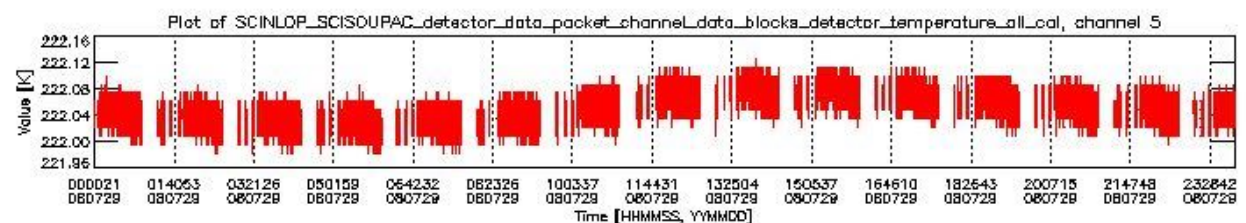
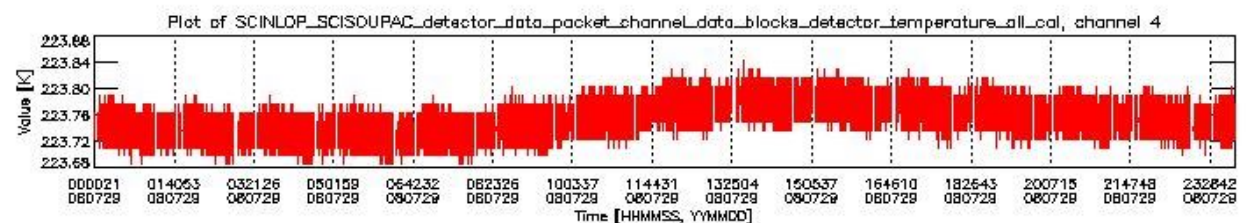
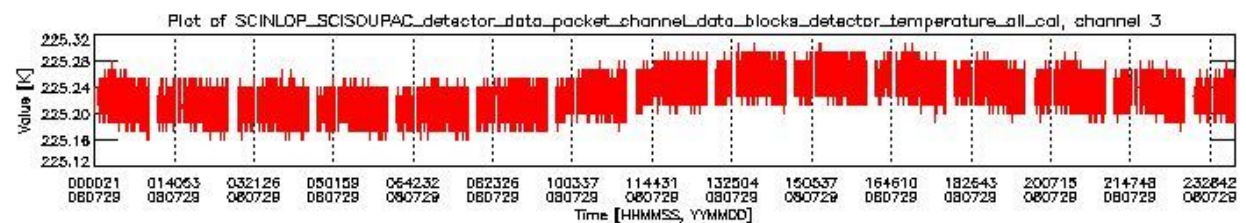
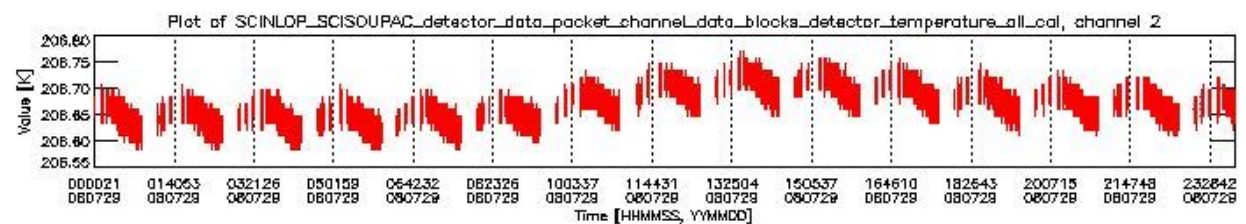
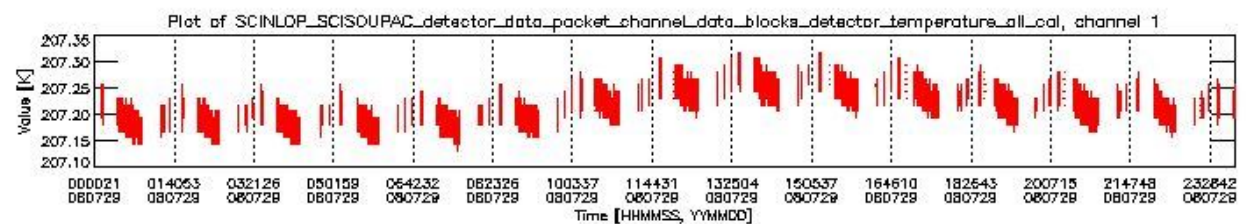
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080729\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080729\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080729\_3.PNG

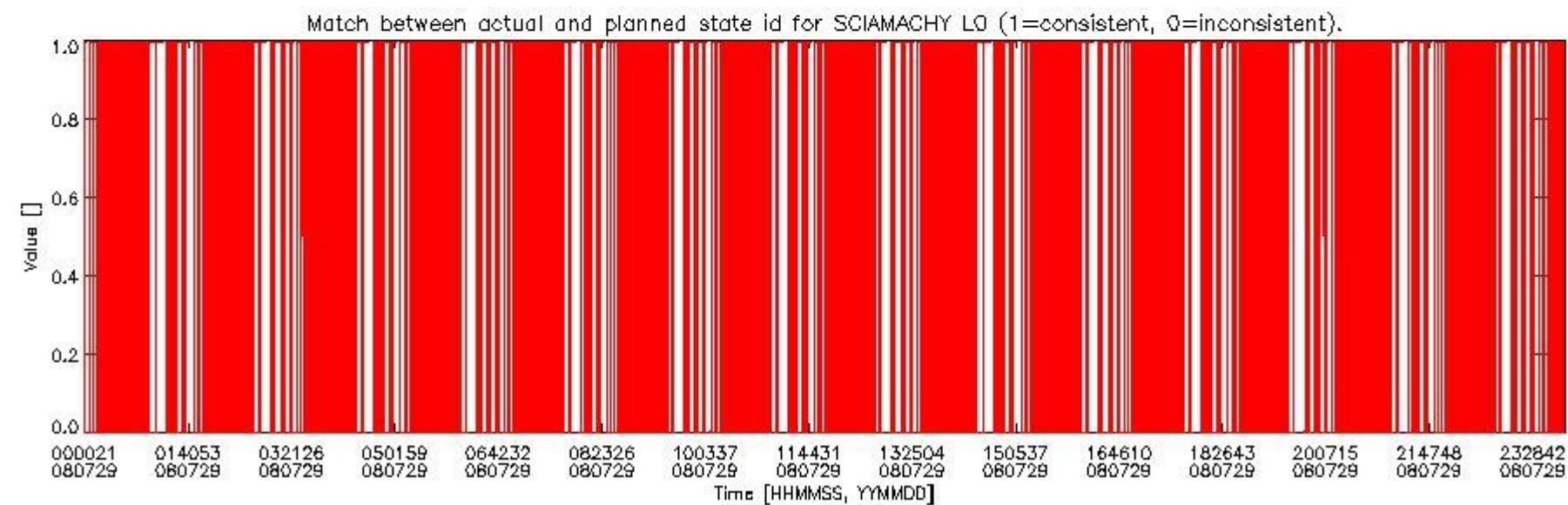
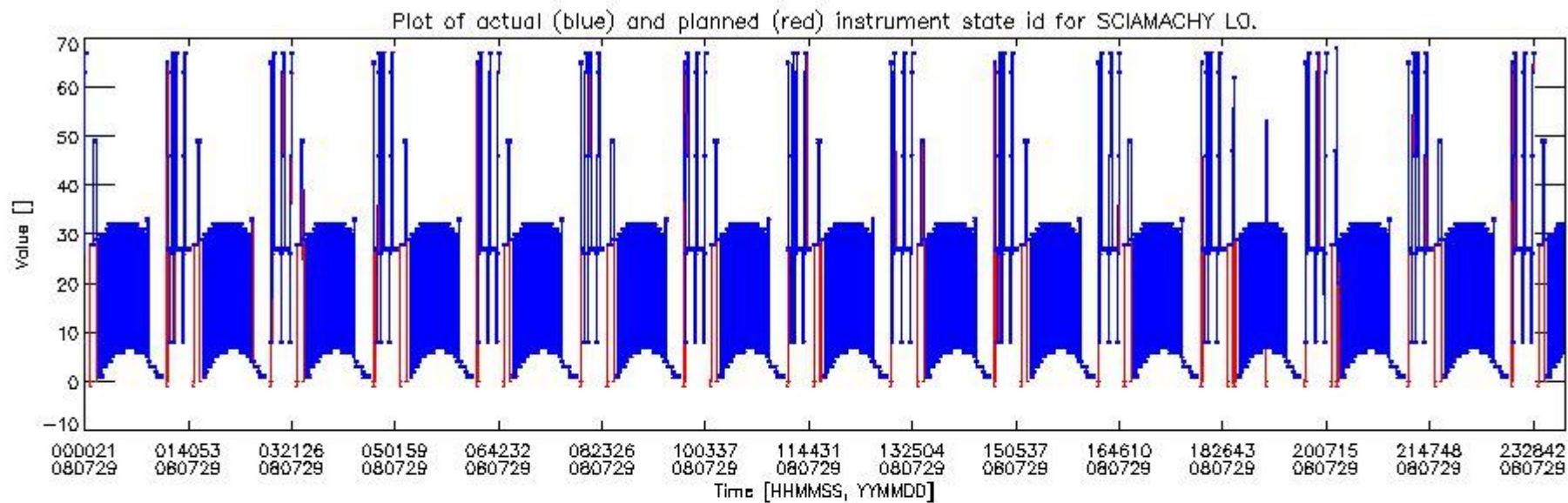


### 0.3 State monitoring

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: **31889**

#	Actual time	Actual value	Planned time	Planned value
0	29JUL2008 00:00:12.464426	67	29JUL2008 00:00:12.464426	63
1	29JUL2008 00:00:12.714435	67	29JUL2008 00:00:12.714435	63
2	29JUL2008 00:00:12.839440	67	29JUL2008 00:00:12.839440	63
3	29JUL2008 00:00:12.964444	67	29JUL2008 00:00:12.964444	63
4	29JUL2008 00:00:13.089448	67	29JUL2008 00:00:13.089448	63
5	29JUL2008 00:00:13.214453	67	29JUL2008 00:00:13.214453	63
6	29JUL2008 00:00:13.339457	67	29JUL2008 00:00:13.339457	63
7	29JUL2008 00:00:13.464421	67	29JUL2008 00:00:13.464421	63
8	29JUL2008 00:00:13.589425	67	29JUL2008 00:00:13.589425	63
9	29JUL2008 00:00:13.714430	67	29JUL2008 00:00:13.714430	63
10	29JUL2008 00:00:13.839434	67	29JUL2008 00:00:13.839434	63
11	29JUL2008 00:00:13.964438	67	29JUL2008 00:00:13.964438	63
12	29JUL2008 00:00:14.089443	67	29JUL2008 00:00:14.089443	63
13	29JUL2008 00:00:14.214447	67	29JUL2008 00:00:14.214447	63
14	29JUL2008 00:00:14.339451	67	29JUL2008 00:00:14.339451	63
15	29JUL2008 00:00:14.464456	67	29JUL2008 00:00:14.464456	63
16	29JUL2008 00:00:14.589420	67	29JUL2008 00:00:14.589420	63
17	29JUL2008 00:00:14.714424	67	29JUL2008 00:00:14.714424	63
18	29JUL2008 00:00:14.839429	67	29JUL2008 00:00:14.839429	63
19	29JUL2008 00:00:14.964433	67	29JUL2008 00:00:14.964433	63
	...	...	...	...

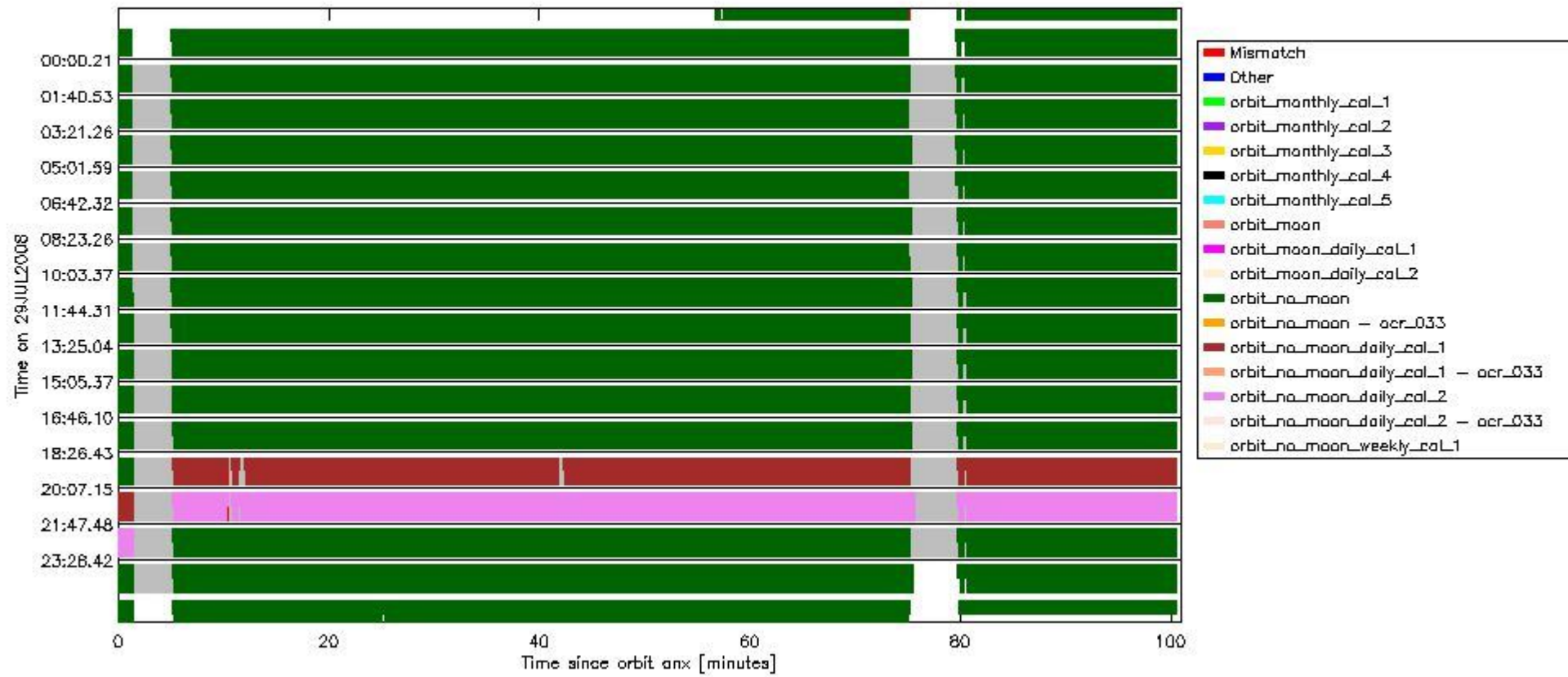


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080729\_5.PNG

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 29JUL2008.  
 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\_20080729\_6.PNG

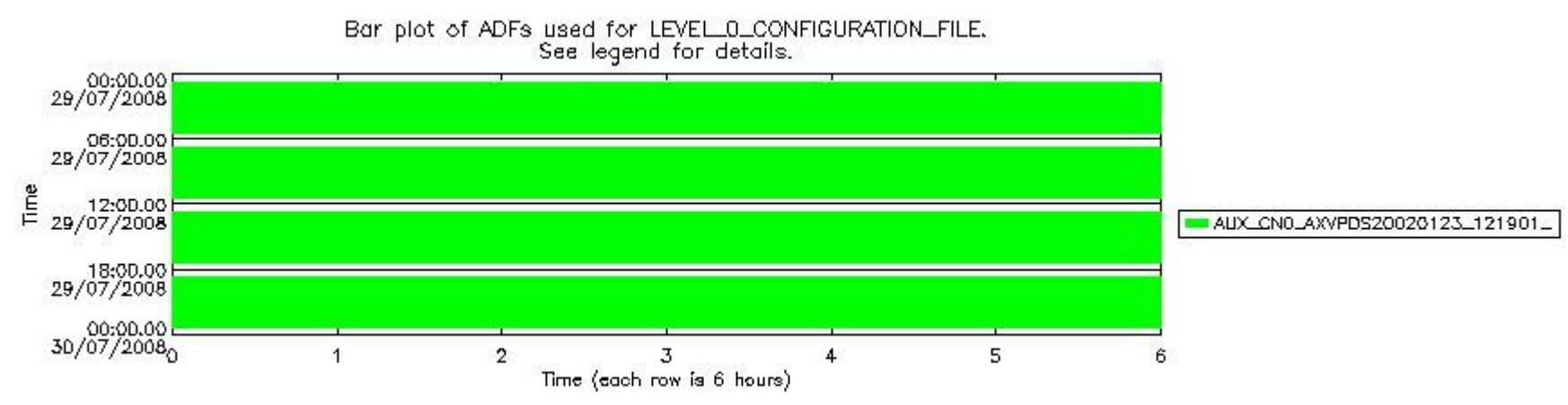
## 0.4 ADF monitoring

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

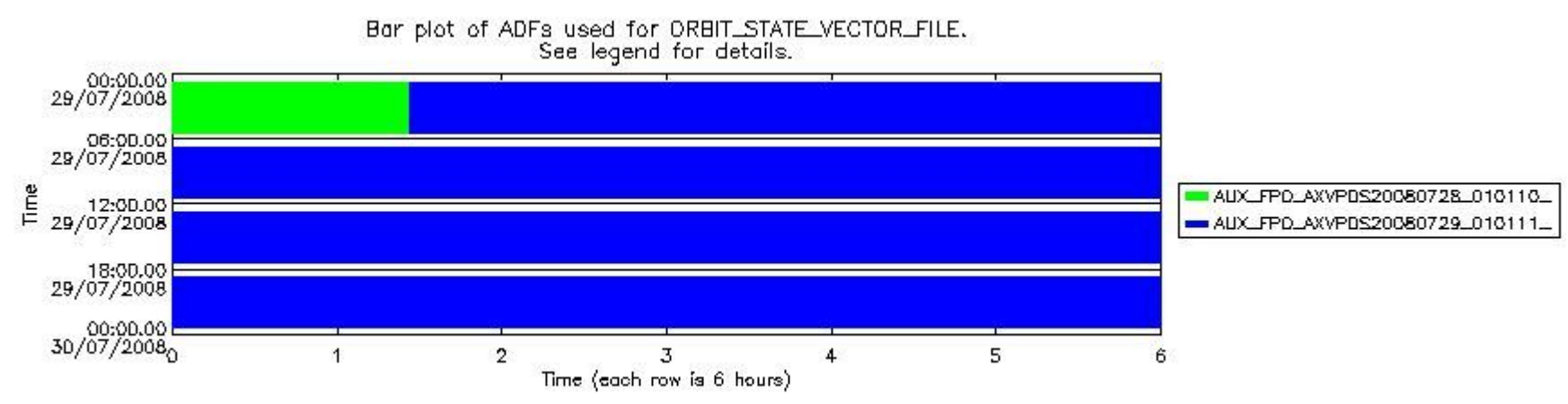
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

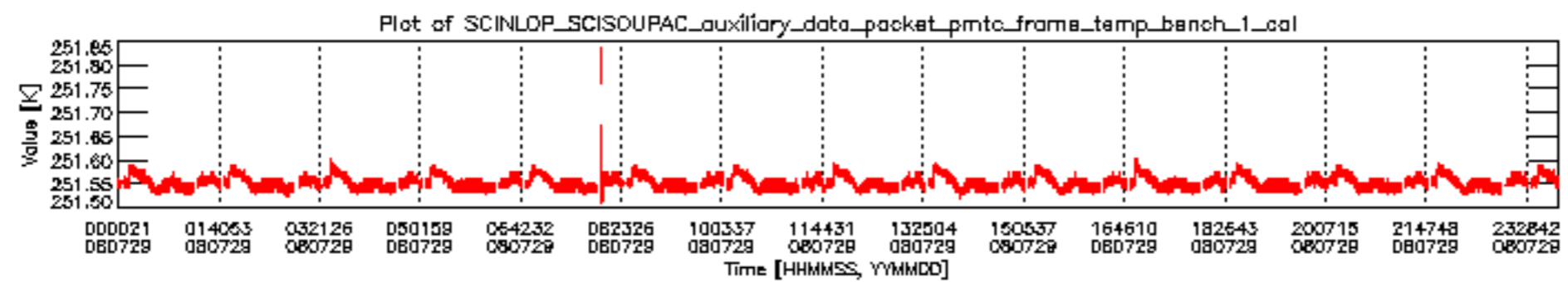
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080728_010110_20080727_193004_20080806_205617</b>
2	<b>AUX_FPO_AXVPDS20080729_010111_20080728_185827_20080807_202440</b>



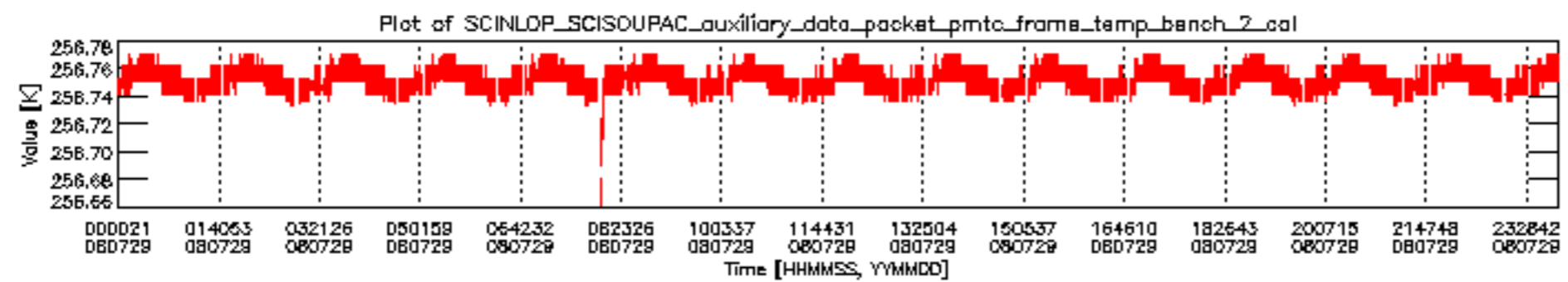
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080729\_7.PNG

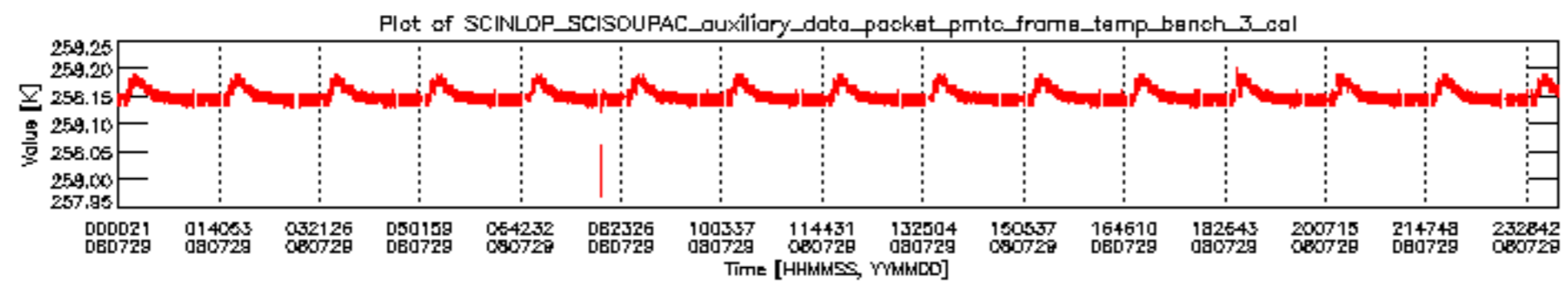


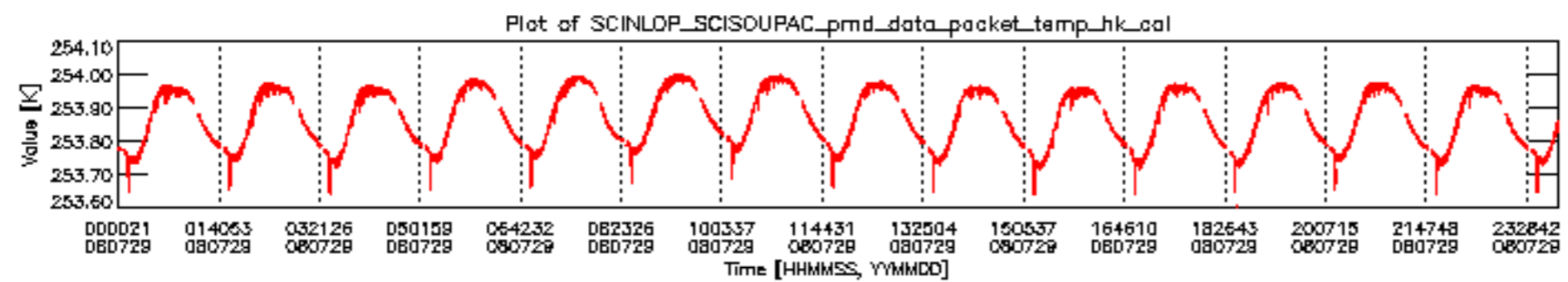
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080729\_8.PNG

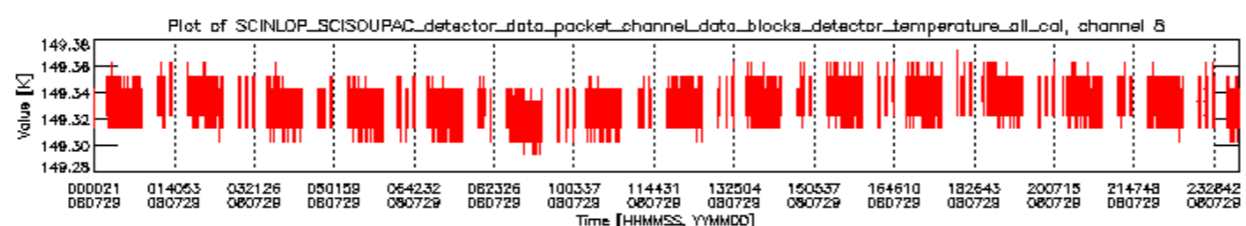
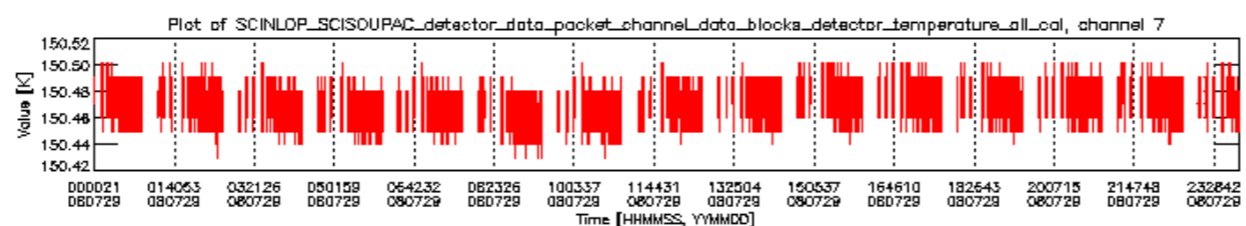
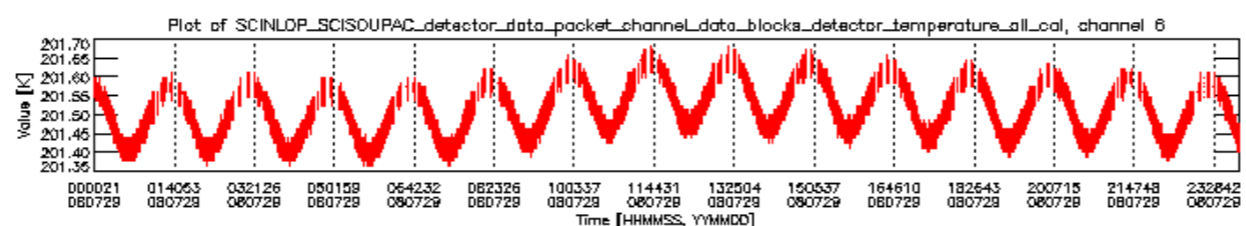
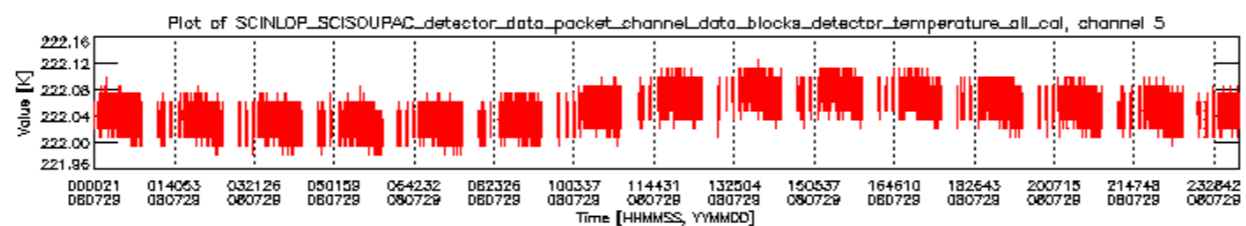
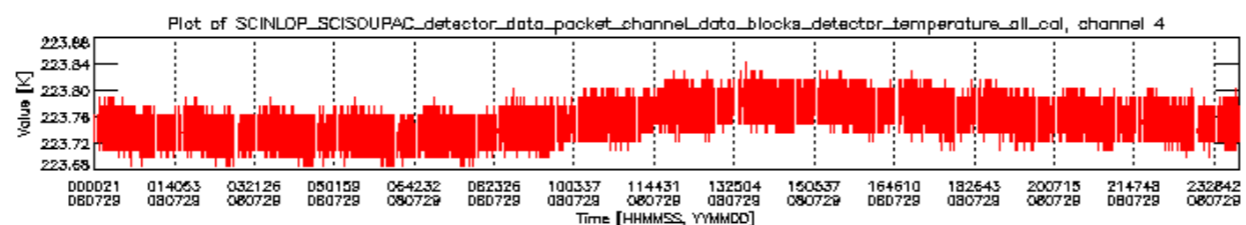
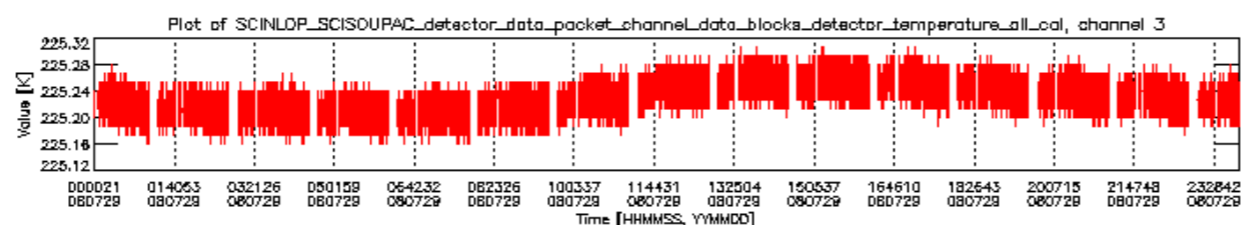
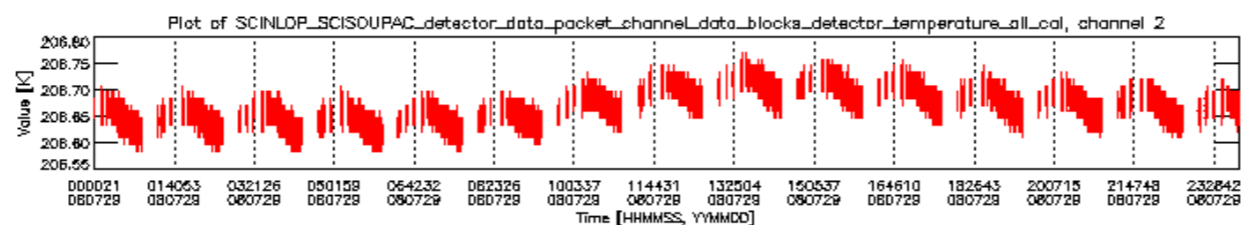
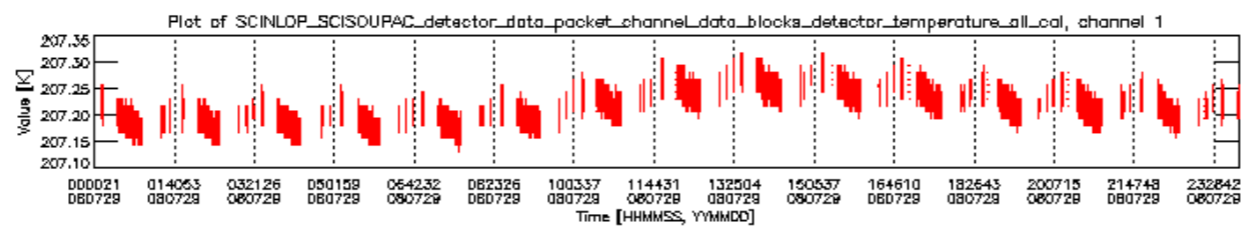














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 29JUL2008.  
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