

## 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	12APR2009 05:09:25
Data source version	KSPT_L0/4303-N
Processing scope for products	08APR2009 00:00:00 to 09APR2009 00:00:00
Start time of first product within scope	07APR2009 22:55:41
Stop time of last product within scope	09APR2009 00:05:57
Total number of level 0 products	16
Number of level 0 products with errors	0

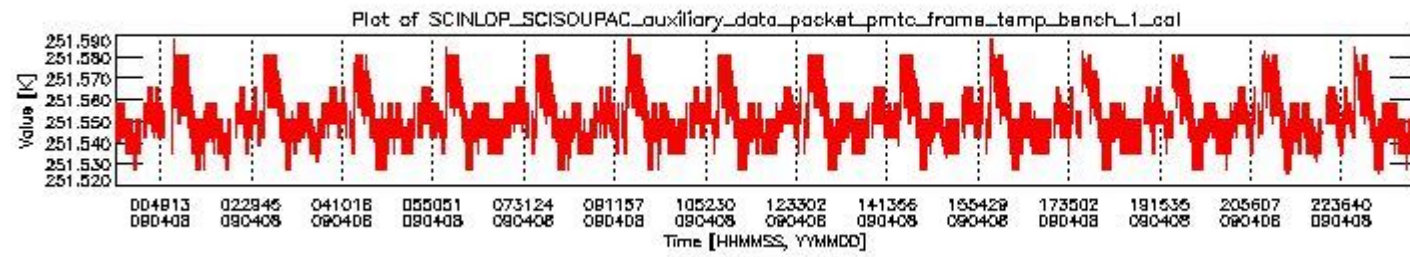
### 0.1.2 Summary per product

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

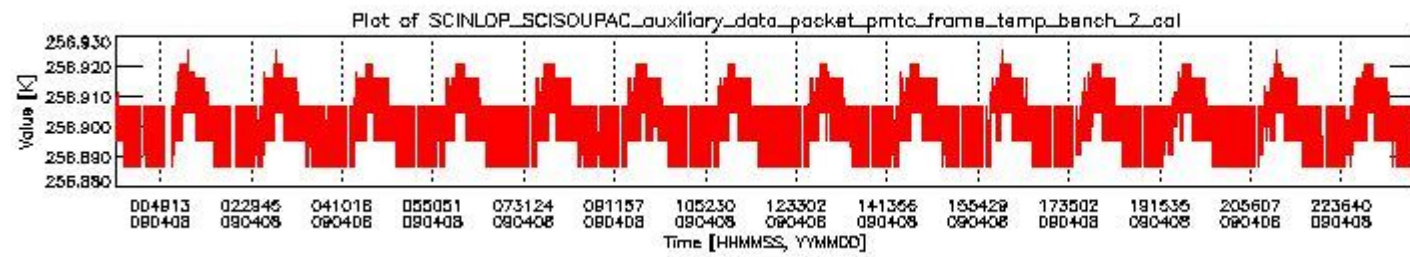
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090407_225541_000061652078_00015_37143_8904.N1	07APR2009 22:55:41	08APR2009 00:38:26	0	0	0	0	0
1	SCI_NL__OPNPDE20090408_003658_000058282078_00016_37144_8905.N1	08APR2009 00:36:58	08APR2009 02:14:05	0	0	0	0	0
2	SCI_NL__OPNPDE20090408_021237_000046032078_00017_37145_8906.N1	08APR2009 02:12:37	08APR2009 03:29:20	0	0	0	0	0
3	SCI_NL__OPNPDE20090408_032824_000061602078_00018_37146_8907.N1	08APR2009 03:28:24	08APR2009 05:11:04	0	0	0	0	0
4	SCI_NL__OPNPDE20090408_051104_000060362078_00019_37147_8908.N1	08APR2009 05:11:04	08APR2009 06:51:40	0	0	0	0	0
5	SCI_NL__OPNPDK20090408_065031_000041132078_00020_37148_1206.N1	08APR2009 06:50:31	08APR2009 07:59:05	0	0	0	0	0
6	SCI_NL__OPNPDK20090408_075756_000062282078_00021_37149_1207.N1	08APR2009 07:57:56	08APR2009 09:41:44	0	0	0	0	0
7	SCI_NL__OPNPDK20090408_094036_000060352078_00022_37150_1208.N1	08APR2009 09:40:36	08APR2009 11:21:11	0	0	0	0	0
8	SCI_NL__OPNPDK20090408_112015_000059672078_00023_37151_1209.N1	08APR2009 11:20:15	08APR2009 12:59:42	0	0	0	0	0
9	SCI_NL__OPNPDK20090408_125942_000059112078_00024_37152_1210.N1	08APR2009 12:59:42	08APR2009 14:38:13	0	0	0	0	0
10	SCI_NL__OPNPDK20090408_143718_000059112078_00025_37153_1211.N1	08APR2009 14:37:18	08APR2009 16:15:49	0	0	0	0	0
11	SCI_NL__OPNPDK20090408_161344_000058762078_00026_37154_1212.N1	08APR2009 16:13:44	08APR2009 17:51:40	0	0	0	0	0
12	SCI_NL__OPNPDK20090408_175044_000060362078_00027_37155_1213.N1	08APR2009 17:50:44	08APR2009 19:31:20	0	0	0	0	0
13	SCI_NL__OPNPDK20090408_193024_000060712078_00028_37156_1214.N1	08APR2009 19:30:24	08APR2009 21:11:35	0	0	0	0	0
14	SCI_NL__OPNPDE20090408_211039_000044102078_00029_37157_8909.N1	08APR2009 21:10:39	08APR2009 22:24:09	0	0	0	0	0
15	SCI_NL__OPNPDE20090408_222321_000061552078_00029_37157_8910.N1	08APR2009 22:23:21	09APR2009 00:05:57	0	0	0	0	0

## 0.2 Product Quality Indicators

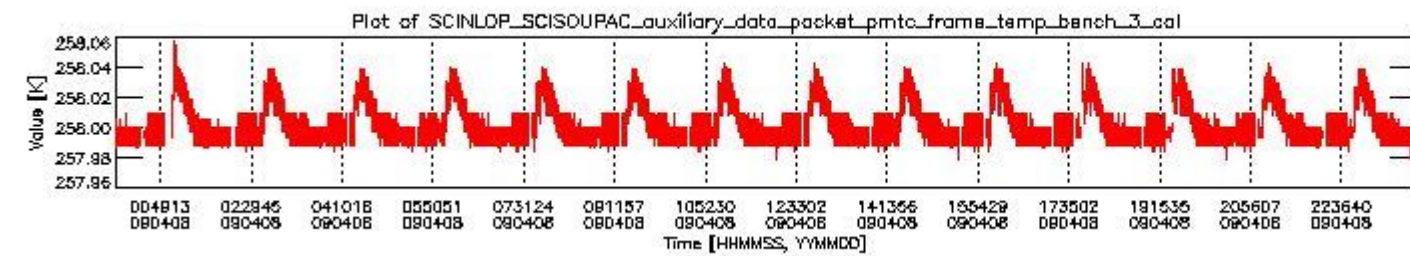
This section shows information about product quality, currently temperatures.



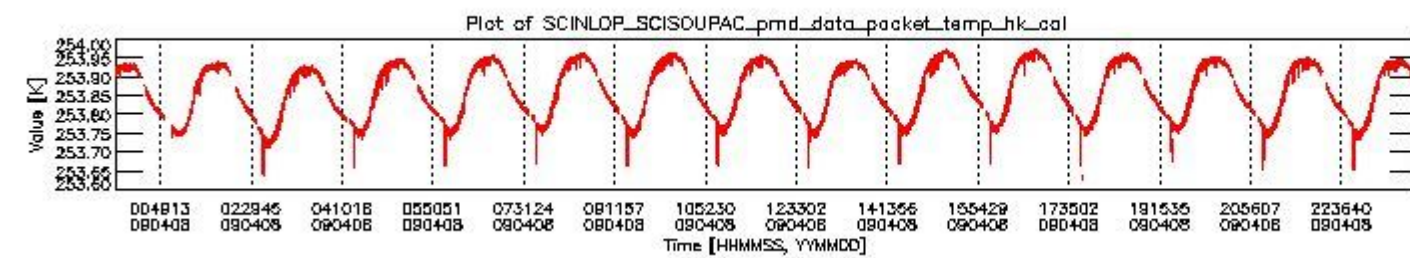
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090408\_0.PNG



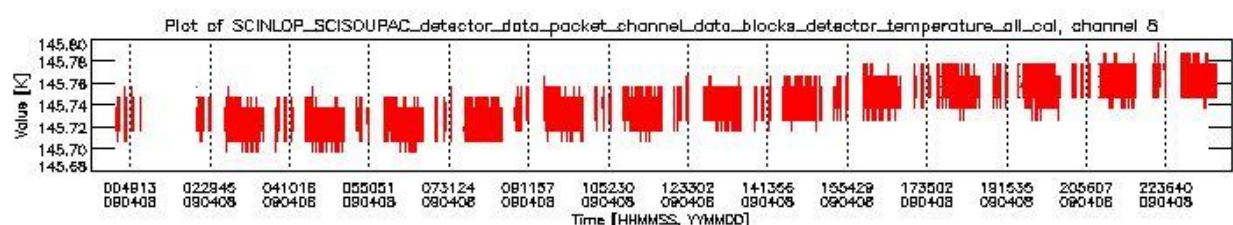
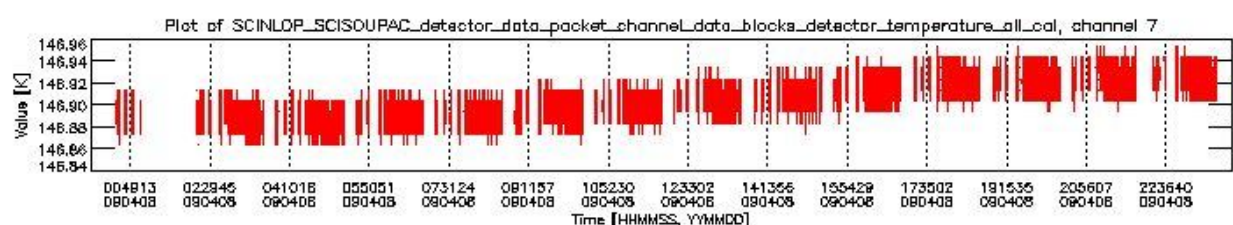
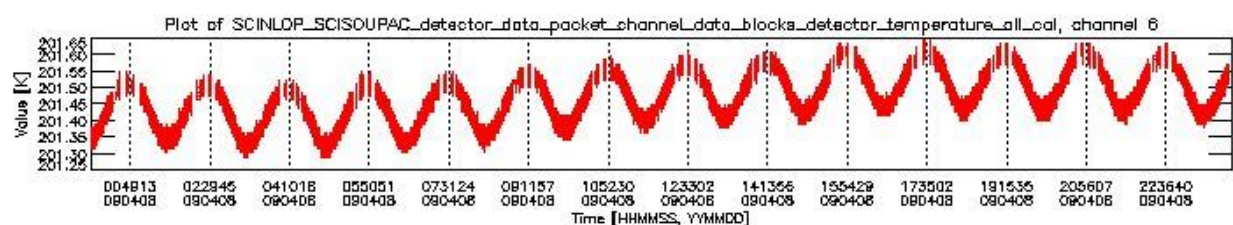
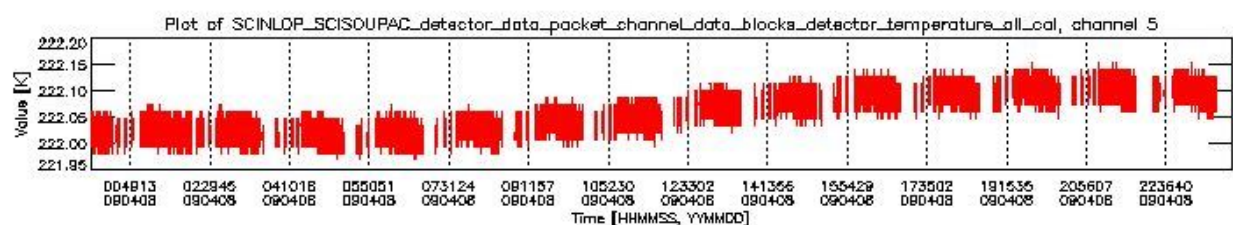
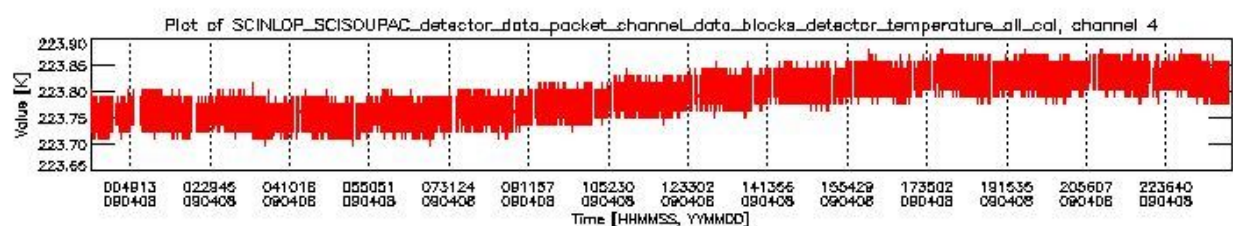
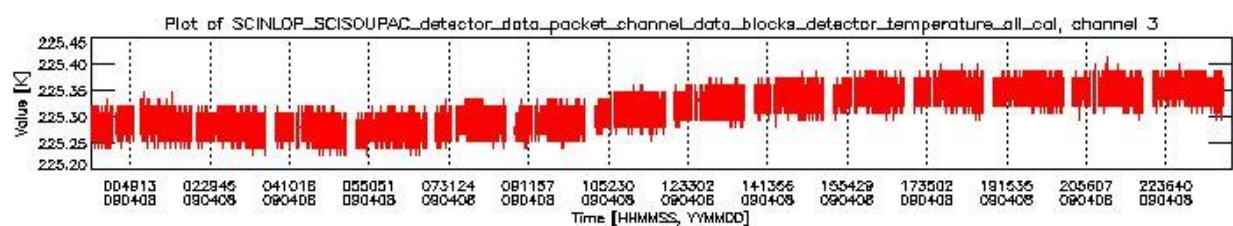
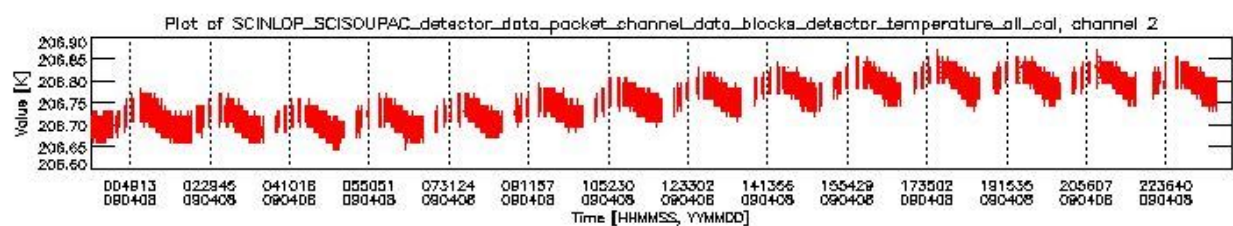
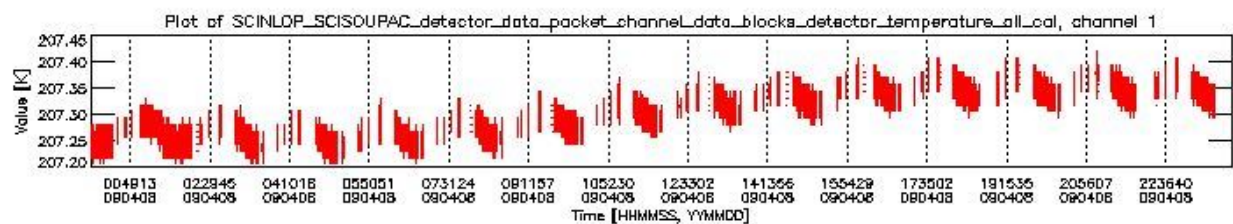
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090408\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090408\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090408\_3.PNG

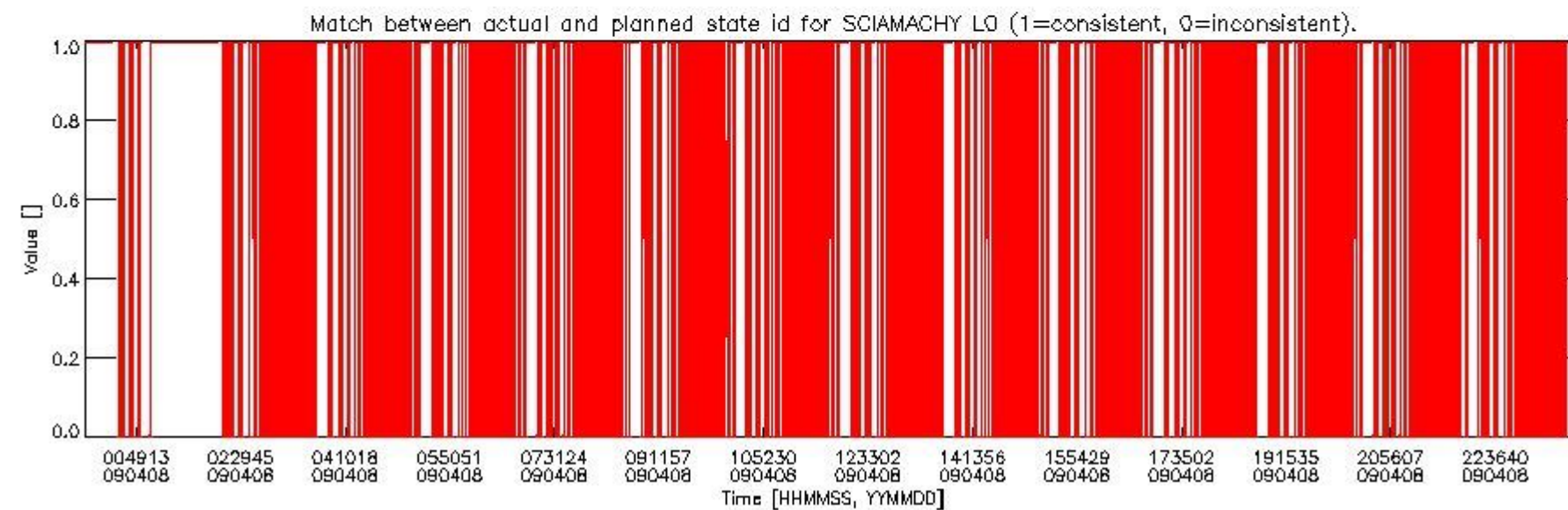
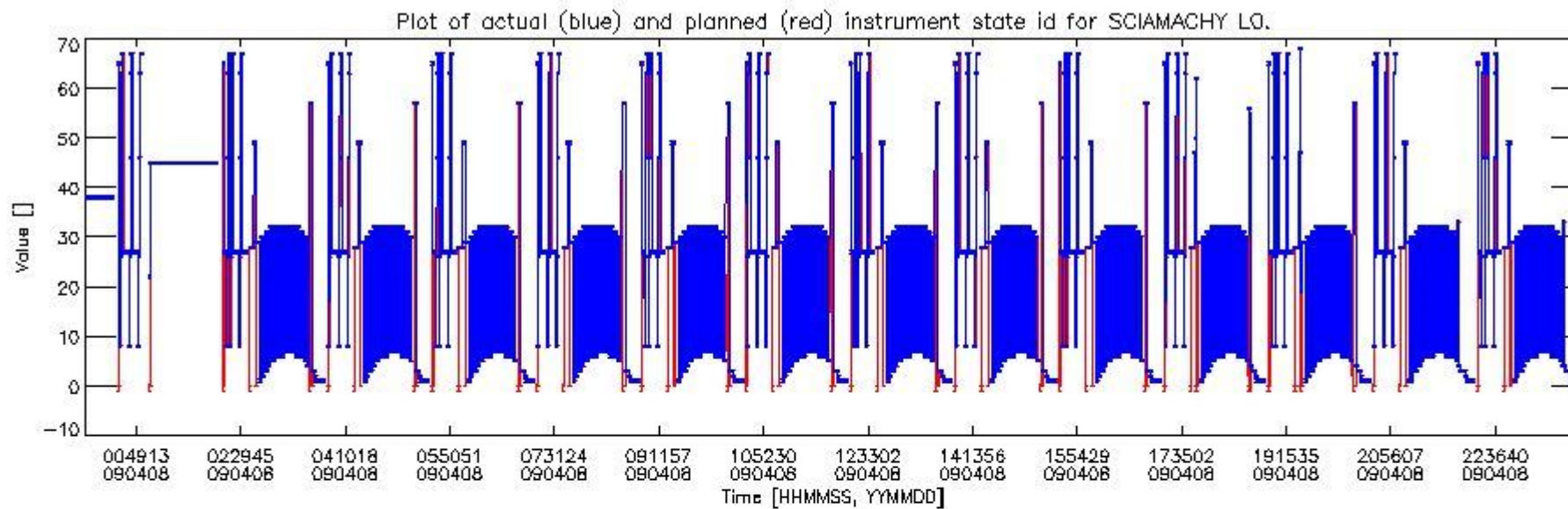


### 0.3 State monitoring

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: **56237**

#	Actual time	Actual value	Planned time	Planned value
0	08APR2009 00:32:02.499812	65	08APR2009 00:32:02.499812	0
1	08APR2009 00:32:03.124793	65	08APR2009 00:32:03.124793	0
2	08APR2009 00:32:03.624811	65	08APR2009 00:32:03.624811	0
3	08APR2009 00:32:04.124828	65	08APR2009 00:32:04.124828	0
4	08APR2009 00:32:04.624805	65	08APR2009 00:32:04.624805	0
5	08APR2009 00:32:05.124823	65	08APR2009 00:32:05.124823	0
6	08APR2009 00:32:05.624800	65	08APR2009 00:32:05.624800	0
7	08APR2009 00:32:06.124817	65	08APR2009 00:32:06.124817	0
8	08APR2009 00:32:06.624794	65	08APR2009 00:32:06.624794	0
9	08APR2009 00:32:07.124812	65	08APR2009 00:32:07.124812	0
10	08APR2009 00:32:07.499825	65	08APR2009 00:32:07.499825	0
11	08APR2009 00:32:07.624829	65	08APR2009 00:32:07.624829	0
12	08APR2009 00:32:08.124806	65	08APR2009 00:32:08.124806	0
13	08APR2009 00:32:08.624824	65	08APR2009 00:32:08.624824	0
14	08APR2009 00:32:09.124801	65	08APR2009 00:32:09.124801	0
15	08APR2009 00:32:09.624818	65	08APR2009 00:32:09.624818	0
16	08APR2009 00:32:10.124795	65	08APR2009 00:32:10.124795	0
17	08APR2009 00:32:10.624813	65	08APR2009 00:32:10.624813	0
18	08APR2009 00:32:11.124830	65	08APR2009 00:32:11.124830	0
19	08APR2009 00:32:11.624807	65	08APR2009 00:32:11.624807	0
	...	...	...	...

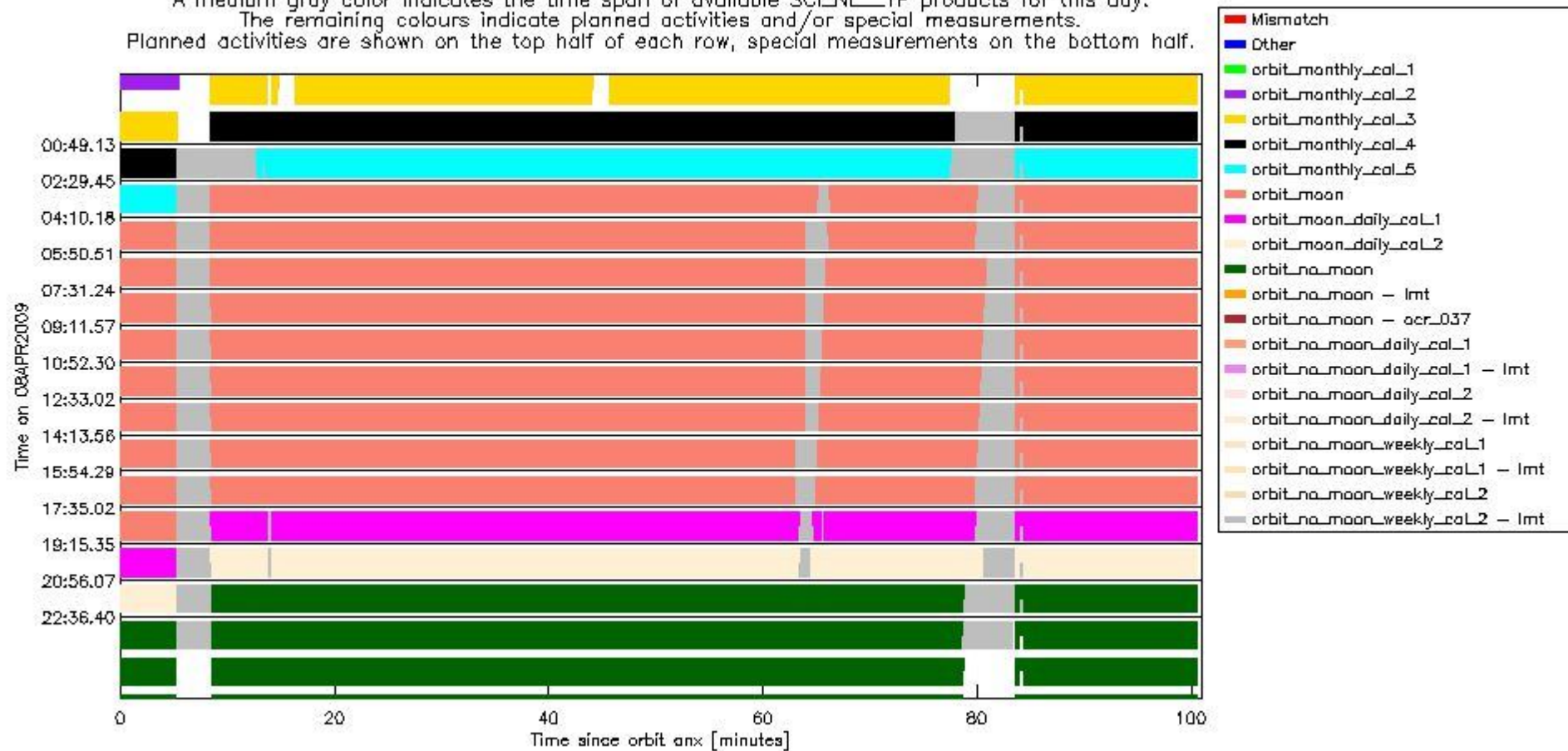


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090408\_5.PNG

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 08APR2009.  
 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\_20090408\_6.PNG

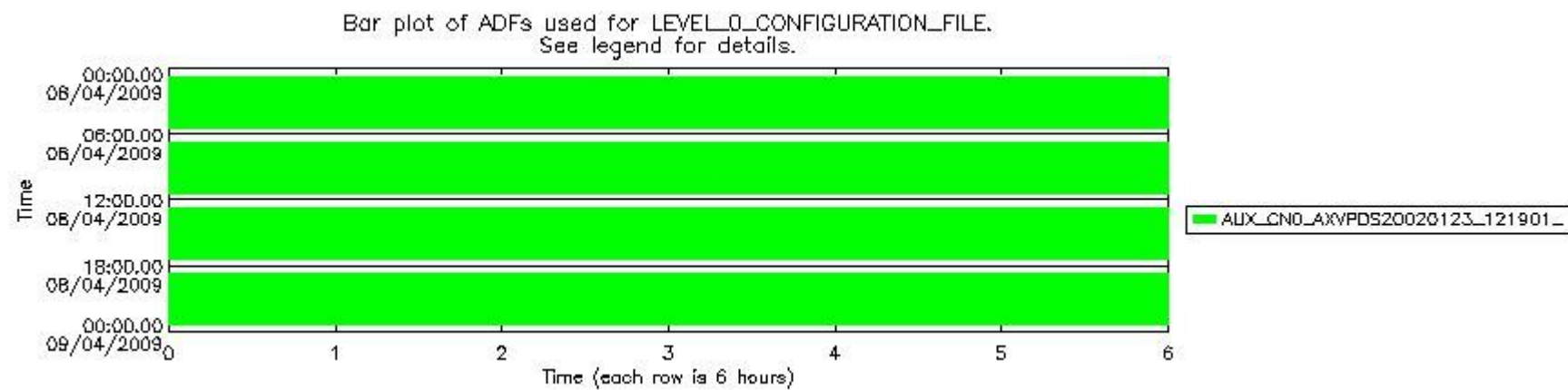
## 0.4 ADF monitoring

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

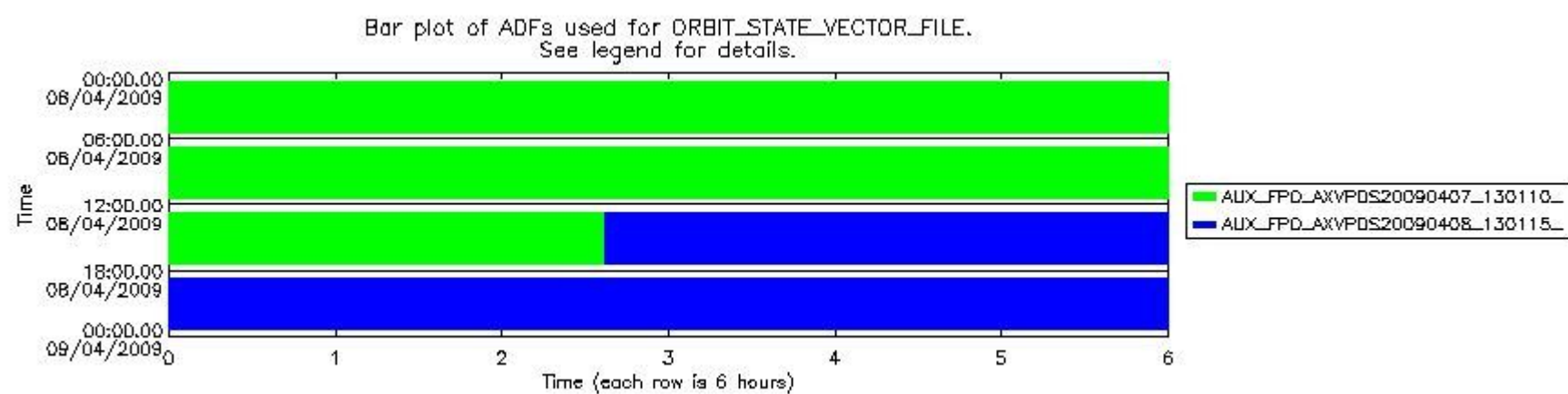
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

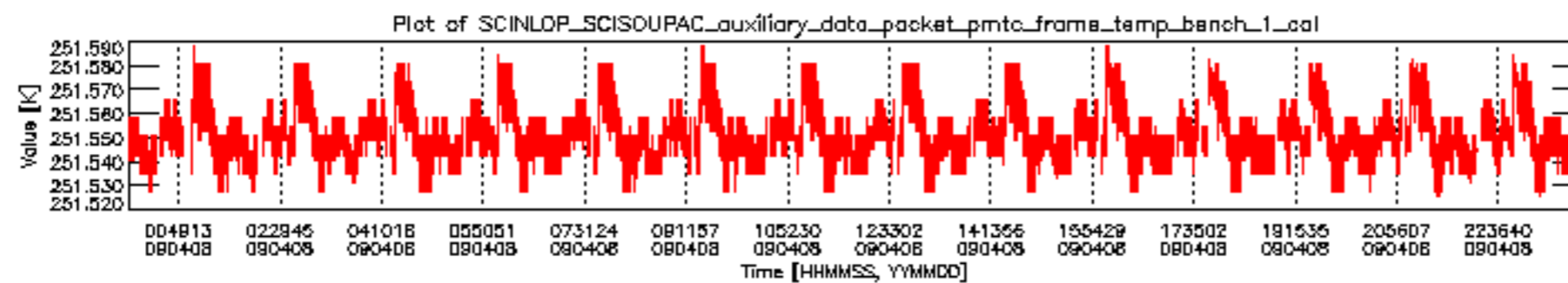
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090407_130110_20090406_183813_20090416_200424
2	AUX_FPO_AXVPDS20090408_130115_20090407_194712_20090417_211326



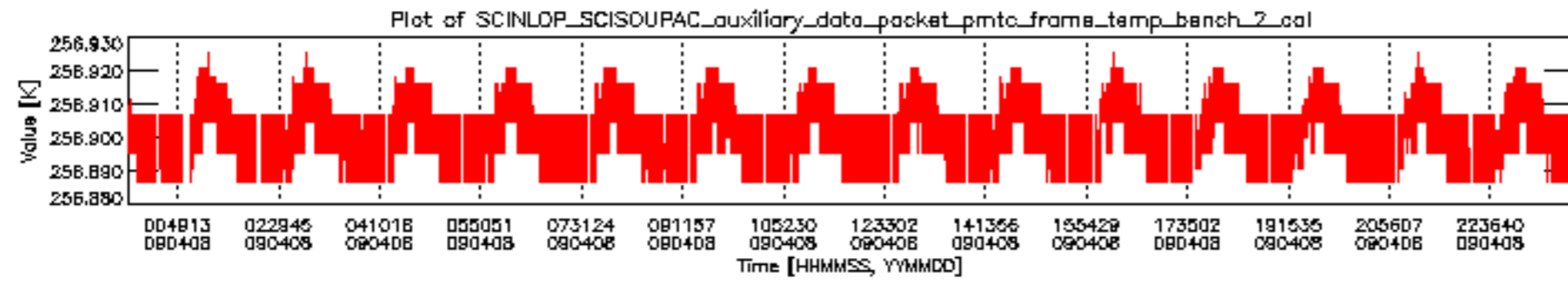
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090408\_7.PNG

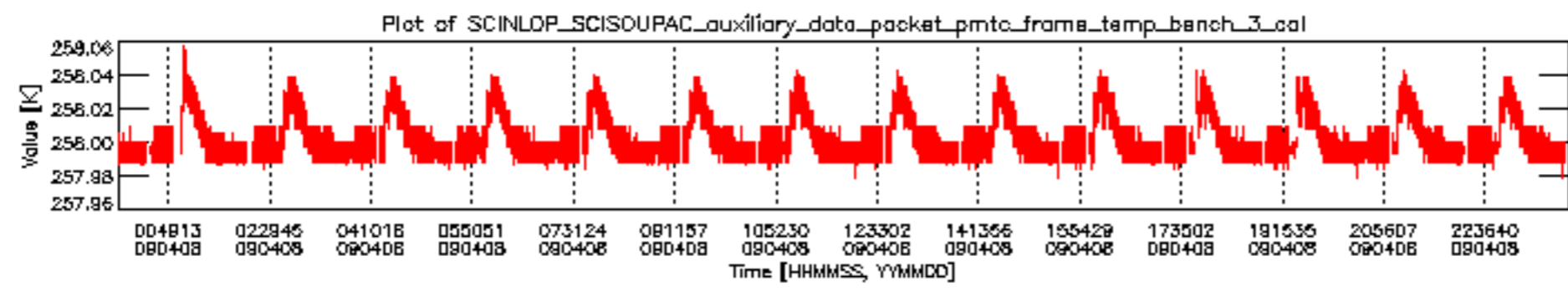


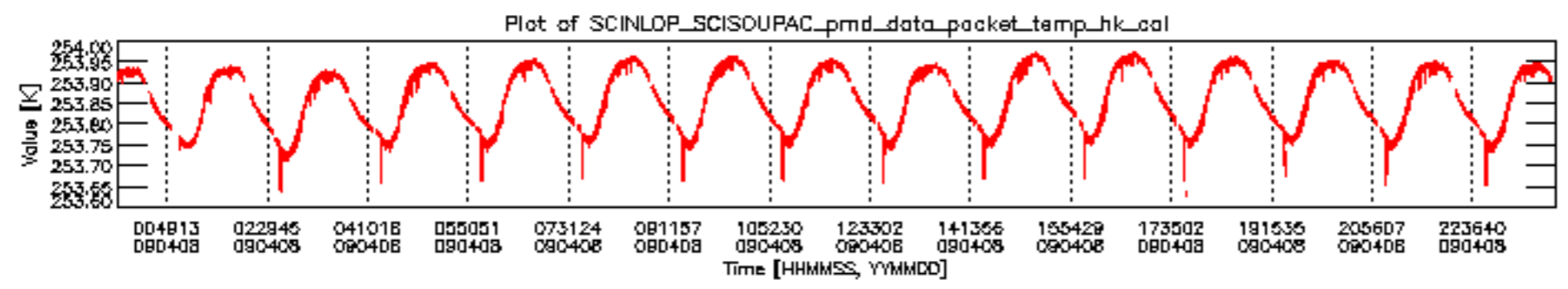
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090408\_8.PNG

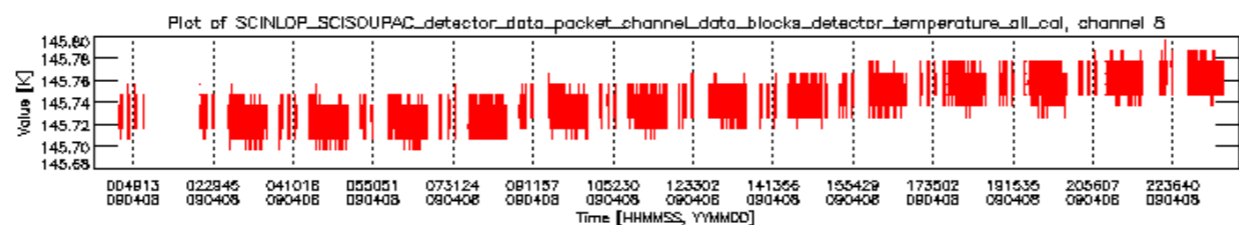
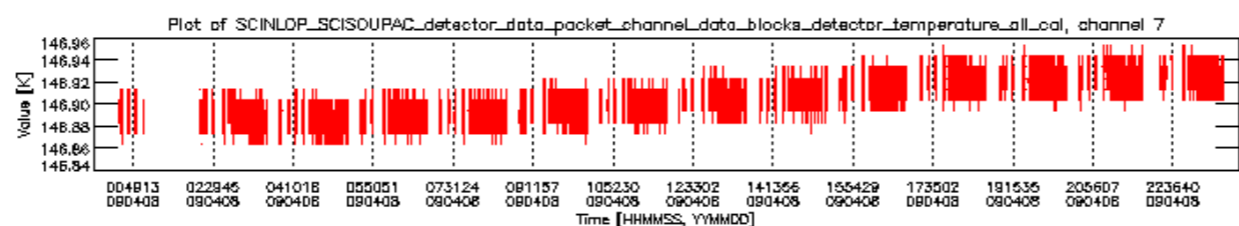
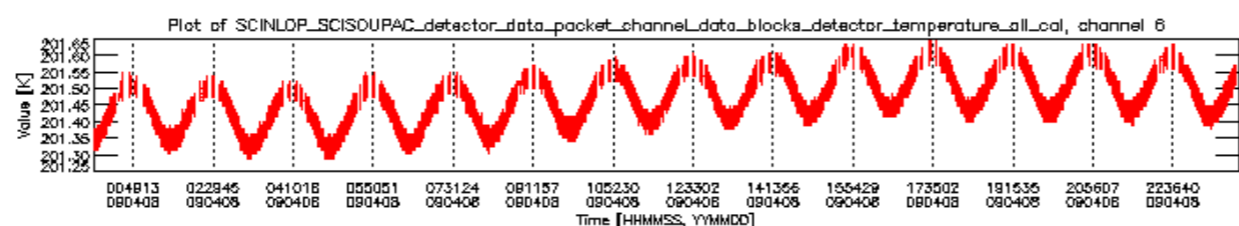
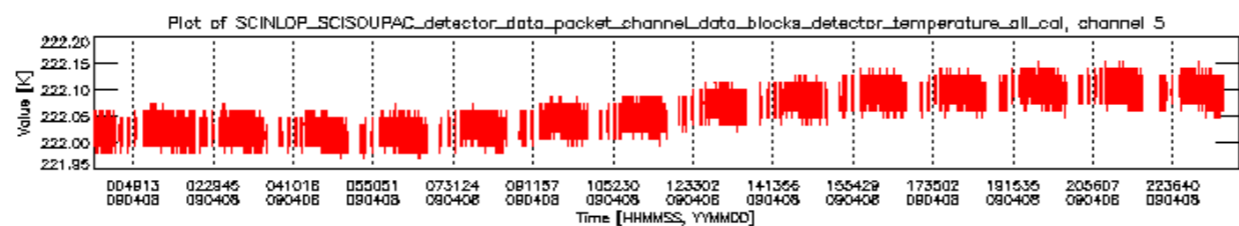
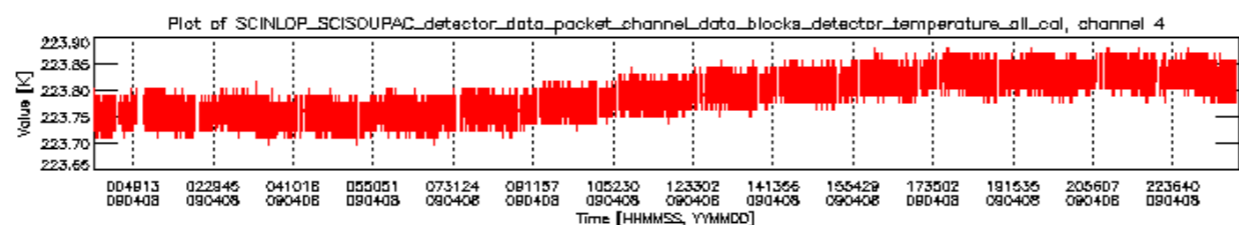
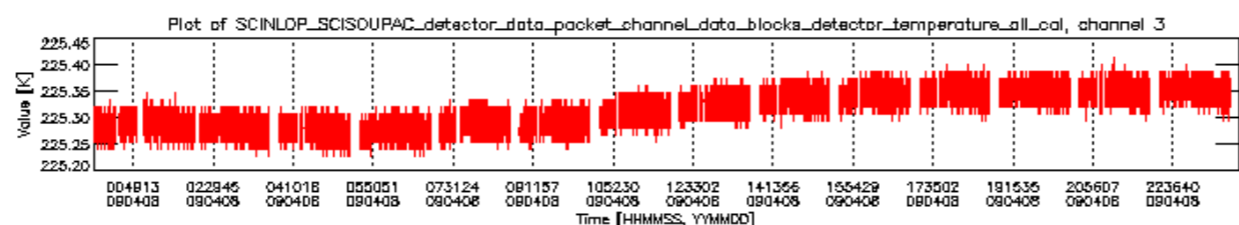
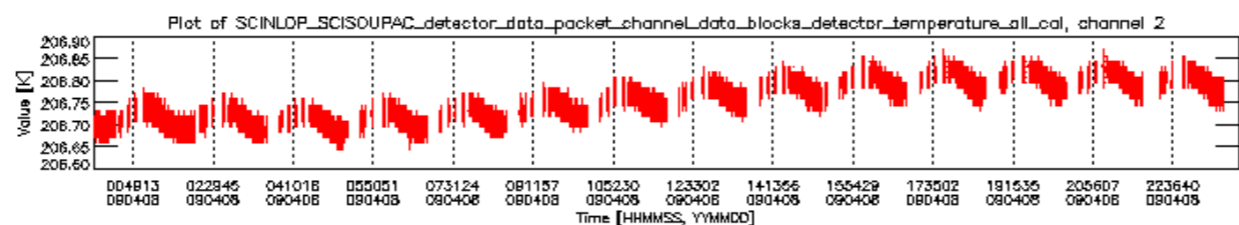
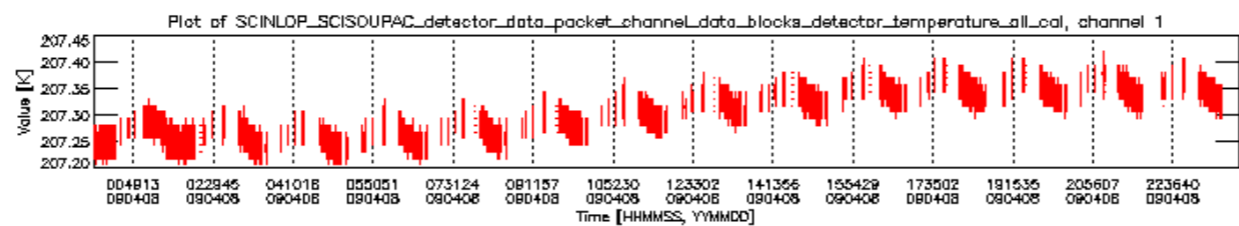


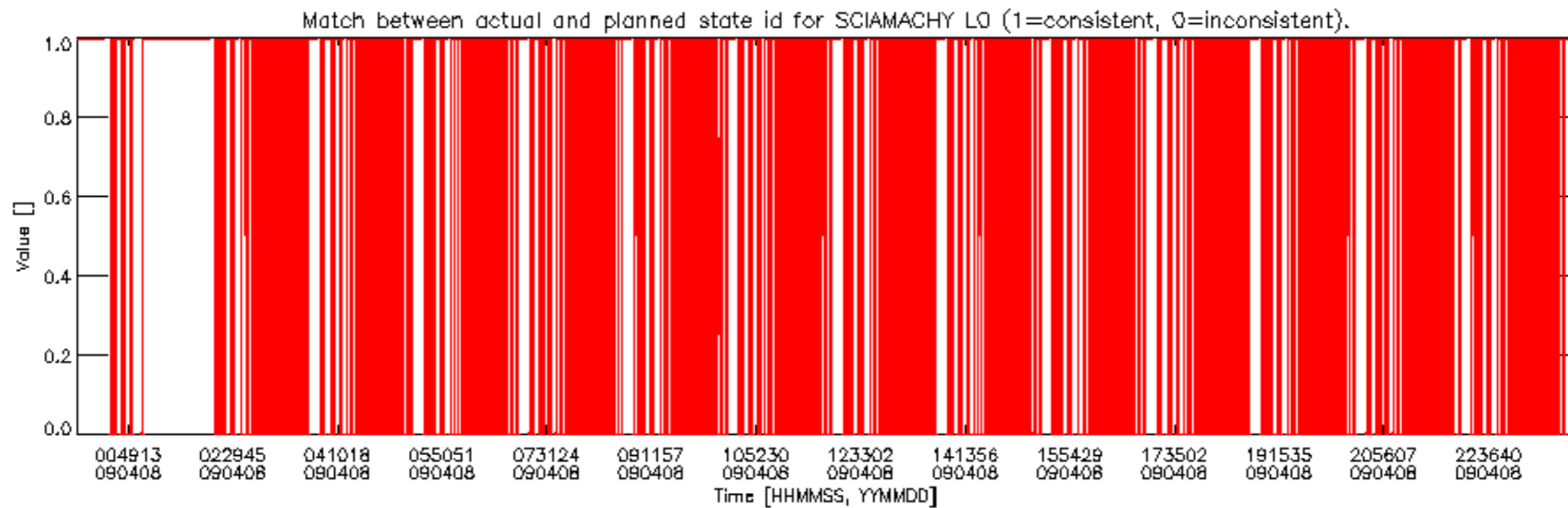
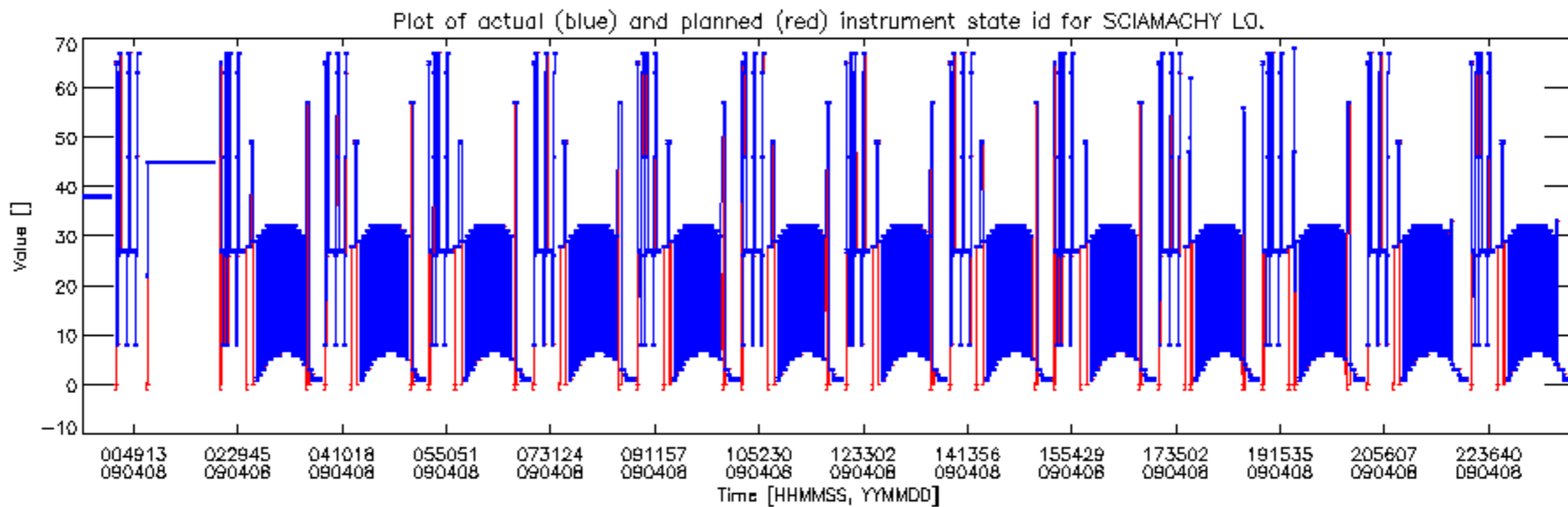












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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