

## 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	v1.4 20100407
Time of report generation	29JUN2011 03:03:09
Data source version	KSPT_L0/4504-N
Processing scope for products	22JUN2011 00:00:00 to 23JUN2011 00:00:00
Start time of first product within scope	22JUN2011 01:19:23
Stop time of last product within scope	23JUN2011 00:44:46
Total number of Level 0 products	13
Number of Level 0 products with errors	0

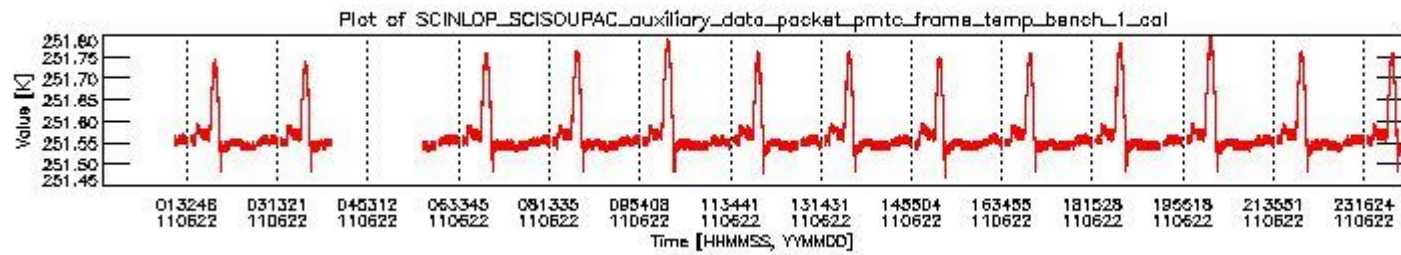
### 0.1.2 Summary per product

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

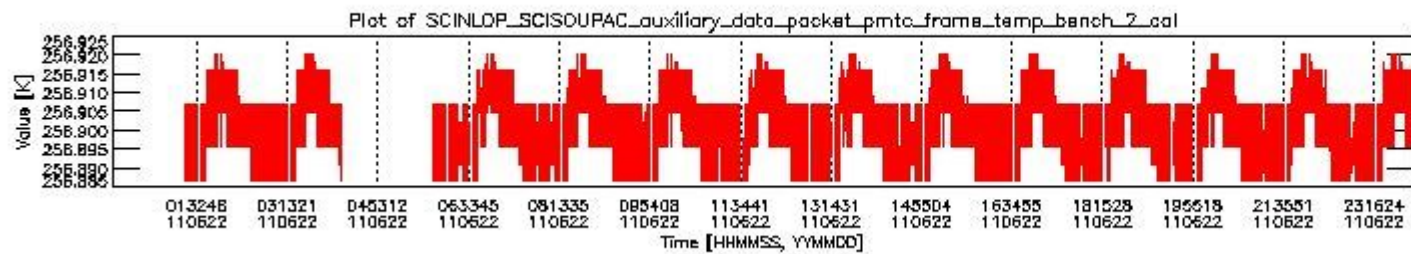
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110622_011923_000103193103_00390_48680_6640.N1	22JUN2011 01:19:23	22JUN2011 04:11:22	0	0	0	0	0
1	SCI_NL__OPNPDE20110622_055433_000060973103_00393_48683_6642.N1	22JUN2011 05:54:33	22JUN2011 07:36:10	0	0	0	0	0
2	SCI_NL__OPNPDK20110622_073610_000039133103_00394_48684_4971.N1	22JUN2011 07:36:10	22JUN2011 08:41:23	0	0	0	0	0
3	SCI_NL__OPNPDK20110622_084014_000061513103_00395_48685_4972.N1	22JUN2011 08:40:14	22JUN2011 10:22:45	0	0	0	0	0
4	SCI_NL__OPNPDK20110622_102137_000060143103_00396_48686_4973.N1	22JUN2011 10:21:37	22JUN2011 12:01:51	0	0	0	0	0
5	SCI_NL__OPNPDK20110622_120042_000059603103_00397_48687_4974.N1	22JUN2011 12:00:42	22JUN2011 13:40:02	0	0	0	0	0
6	SCI_NL__OPNPDK20110622_134002_000058913103_00398_48688_4975.N1	22JUN2011 13:40:02	22JUN2011 15:18:13	0	0	0	0	0
7	SCI_NL__OPNPDK20110622_151813_000058373103_00399_48689_4976.N1	22JUN2011 15:18:13	22JUN2011 16:55:30	0	0	0	0	0
8	SCI_NL__OPNPDK20110622_165422_000059003103_00400_48690_4977.N1	22JUN2011 16:54:22	22JUN2011 18:32:42	0	0	0	0	0
9	SCI_NL__OPNPDK20110622_183134_000060833103_00401_48691_4978.N1	22JUN2011 18:31:34	22JUN2011 20:12:56	0	0	0	0	0
10	SCI_NL__OPNPDE20110622_201053_000043613103_00402_48692_6643.N1	22JUN2011 20:10:53	22JUN2011 21:23:34	0	0	0	0	0
11	SCI_NL__OPNPDE20110622_212211_000061103103_00402_48692_6644.N1	22JUN2011 21:22:11	22JUN2011 23:04:01	0	0	0	0	0
12	SCI_NL__OPNPDE20110622_230317_000060903103_00403_48693_6645.N1	22JUN2011 23:03:17	23JUN2011 00:44:46	0	0	0	0	0

## 0.2 Product Quality Indicators

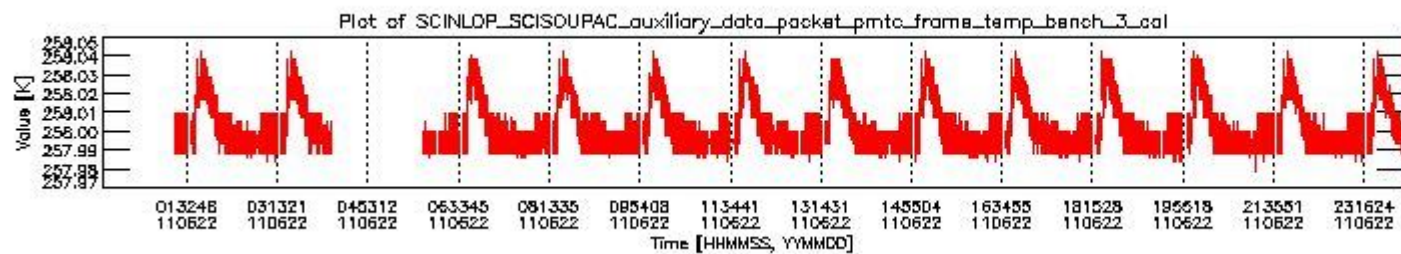
This section shows information about product quality, currently temperatures.



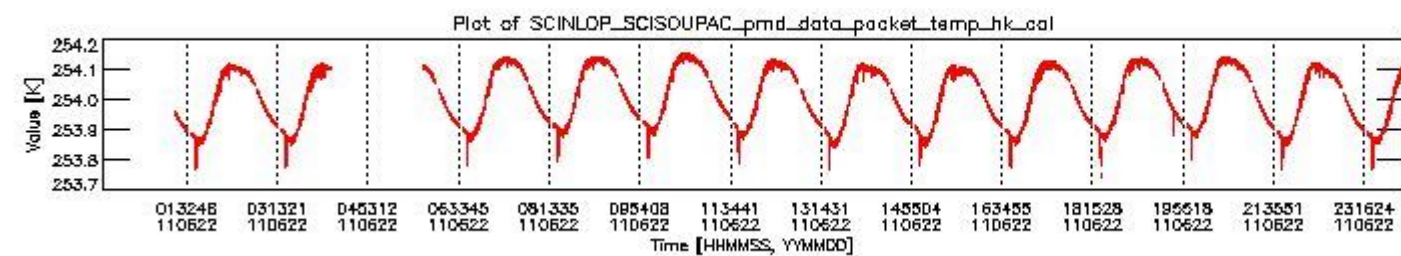
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110622\_0.PNG



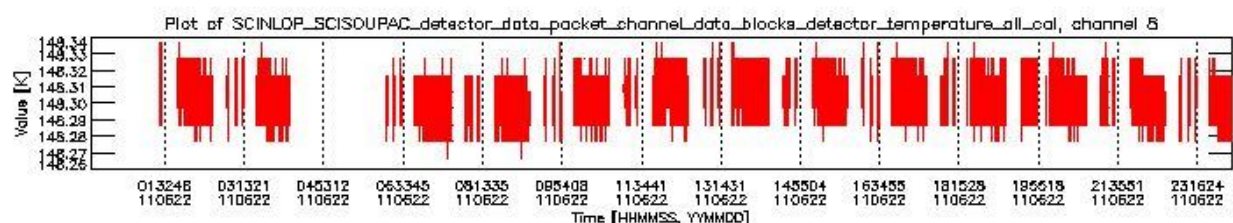
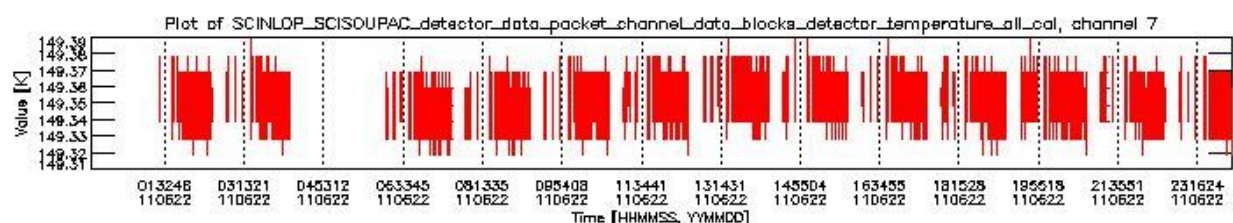
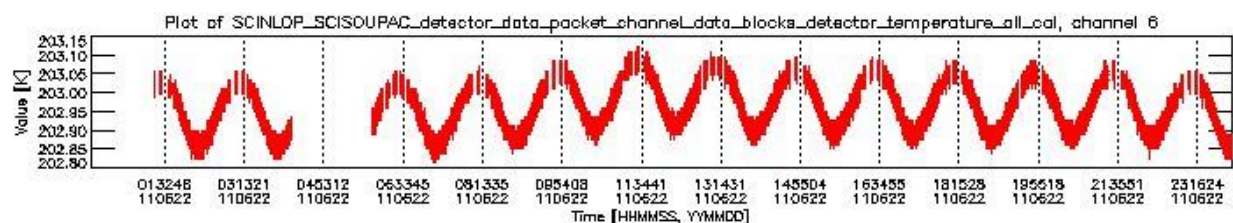
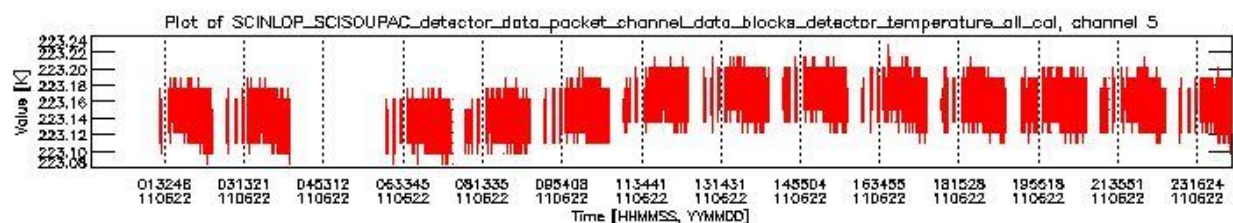
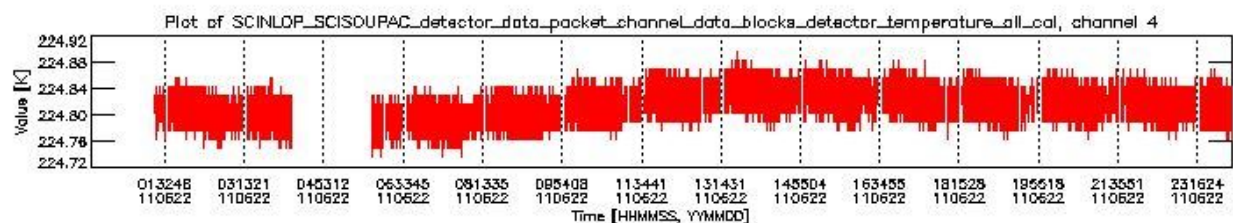
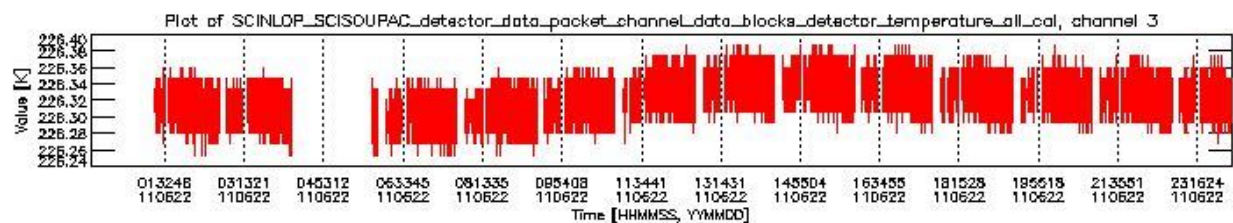
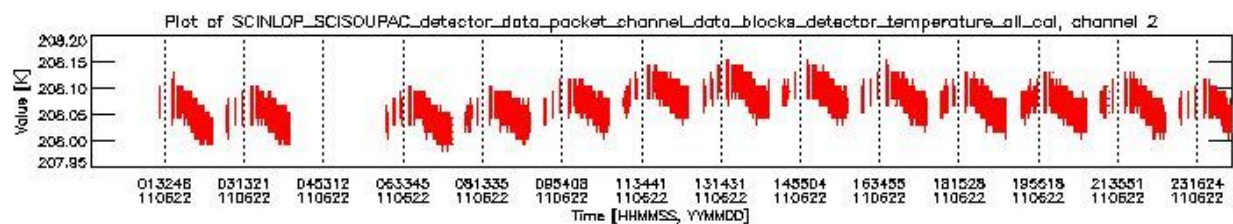
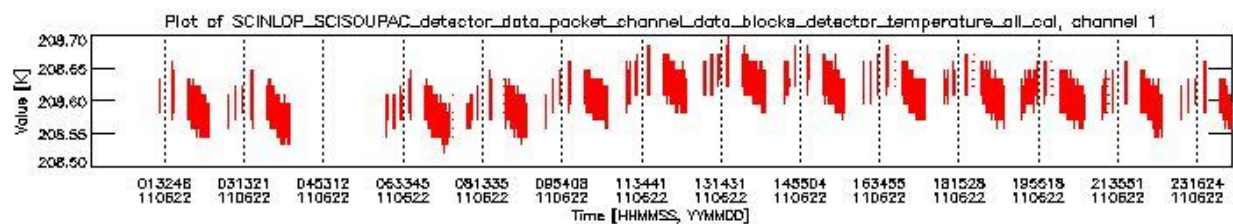
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110622\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110622\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110622\_3.PNG

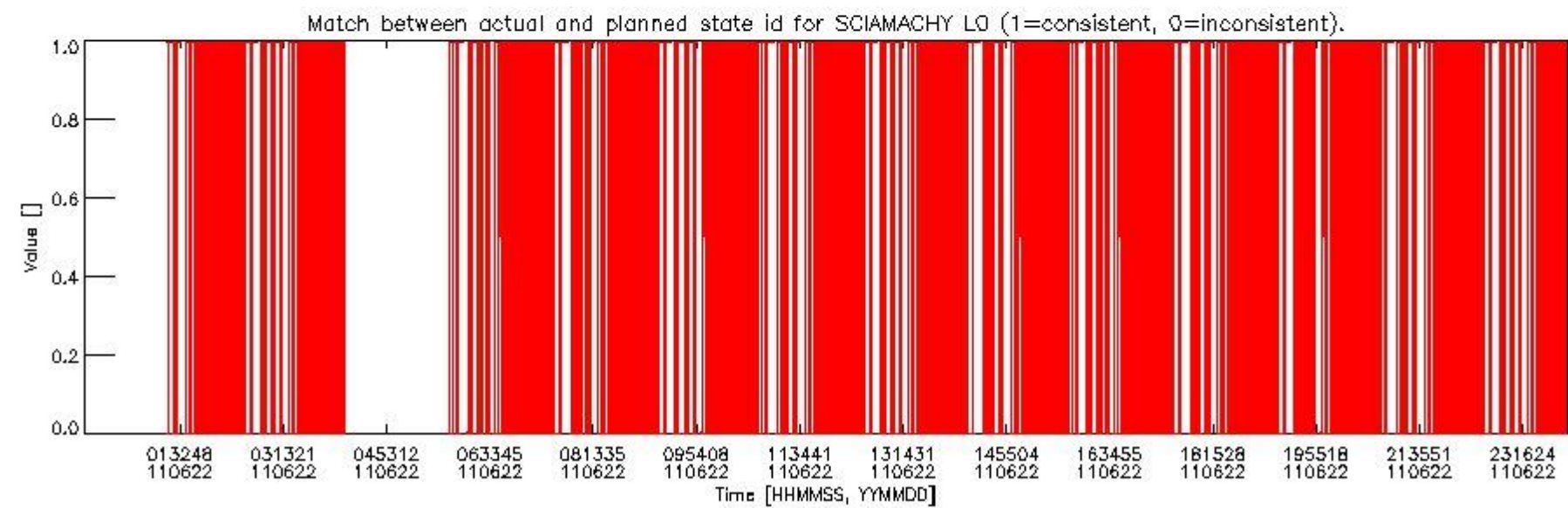
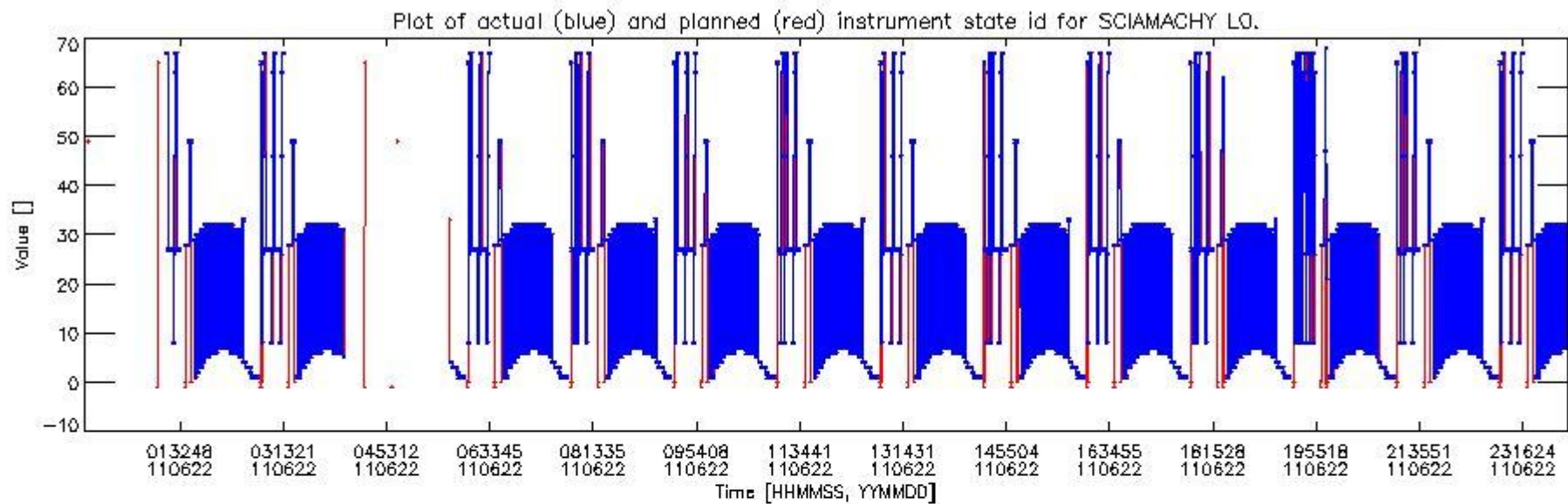


### 0.3 State monitoring

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: **64664**

#	Actual time	Actual value	Planned time	Planned value
0	22JUN2011 01:20:46.679354	27	22JUN2011 01:20:46.679354	67
1	22JUN2011 01:20:47.679354	27	22JUN2011 01:20:47.679354	67
2	22JUN2011 01:20:48.616854	27	22JUN2011 01:20:48.616854	67
3	22JUN2011 01:20:49.366854	27	22JUN2011 01:20:49.366854	67
4	22JUN2011 01:20:50.304354	27	22JUN2011 01:20:50.304354	67
5	22JUN2011 01:20:51.054354	27	22JUN2011 01:20:51.054354	67
6	22JUN2011 01:20:51.679354	27	22JUN2011 01:20:51.679354	67
7	22JUN2011 01:20:51.991854	27	22JUN2011 01:20:51.991854	67
8	22JUN2011 01:20:52.741854	27	22JUN2011 01:20:52.741854	67
9	22JUN2011 01:20:53.679354	27	22JUN2011 01:20:53.679354	67
10	22JUN2011 01:20:54.429354	27	22JUN2011 01:20:54.429354	67
11	22JUN2011 01:20:55.366854	27	22JUN2011 01:20:55.366854	67
12	22JUN2011 01:20:56.116854	27	22JUN2011 01:20:56.116854	67
13	22JUN2011 01:20:56.679354	27	22JUN2011 01:20:56.679354	67
14	22JUN2011 01:20:57.054354	27	22JUN2011 01:20:57.054354	67
15	22JUN2011 01:20:57.804354	27	22JUN2011 01:20:57.804354	67
16	22JUN2011 01:20:58.741854	27	22JUN2011 01:20:58.741854	67
17	22JUN2011 01:20:59.491854	27	22JUN2011 01:20:59.491854	67
18	22JUN2011 01:21:00.429354	27	22JUN2011 01:21:00.429354	67
19	22JUN2011 01:21:01.179354	27	22JUN2011 01:21:01.179354	67
...	...	...	...	...

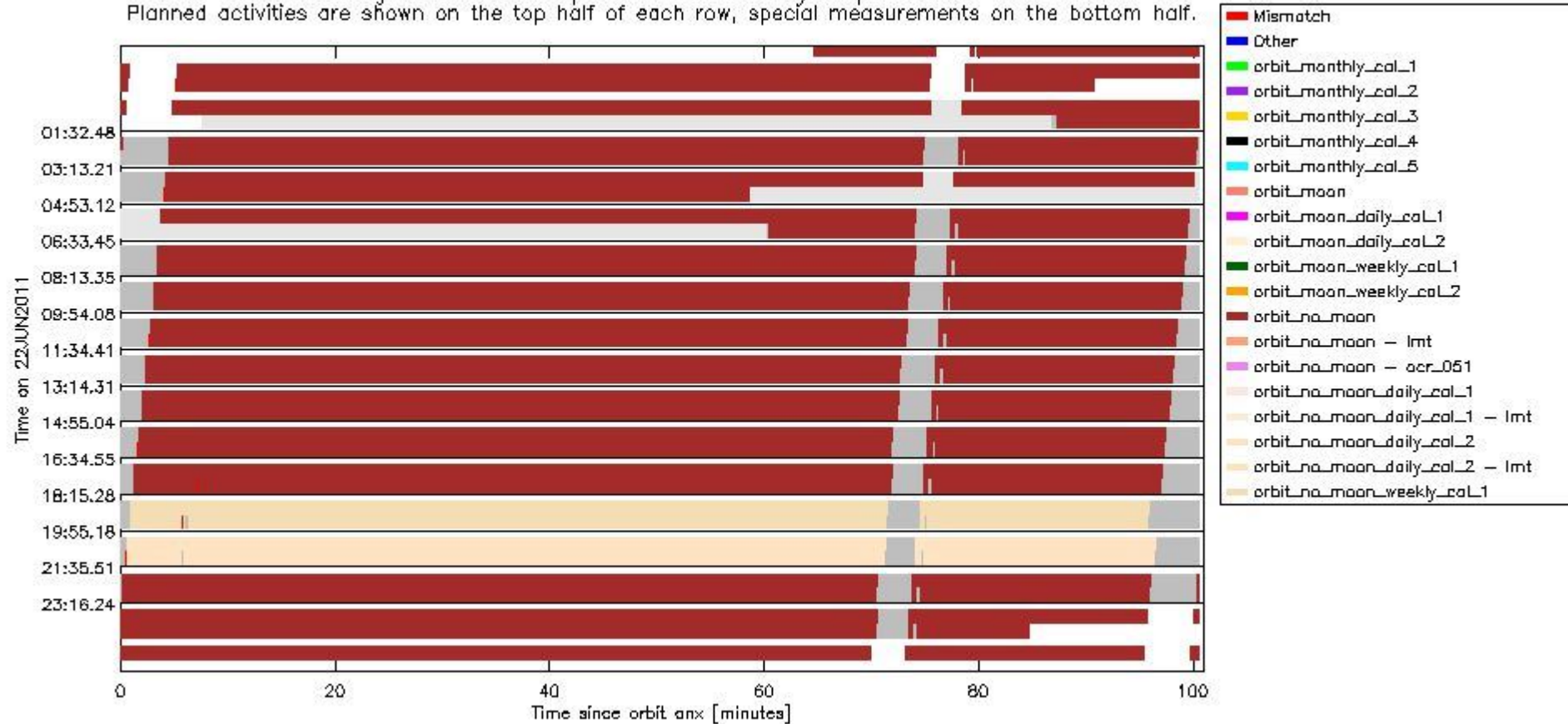


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110622\_5.PNG

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 22JUN2011.  
 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\_4504\_N\_20110622\_6.PNG

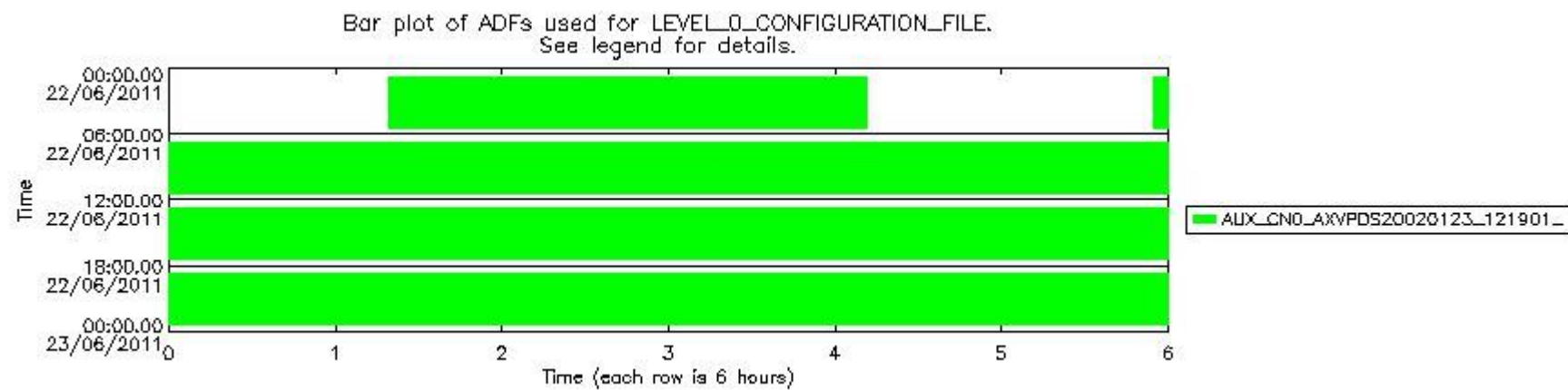
## 0.4 ADF monitoring

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

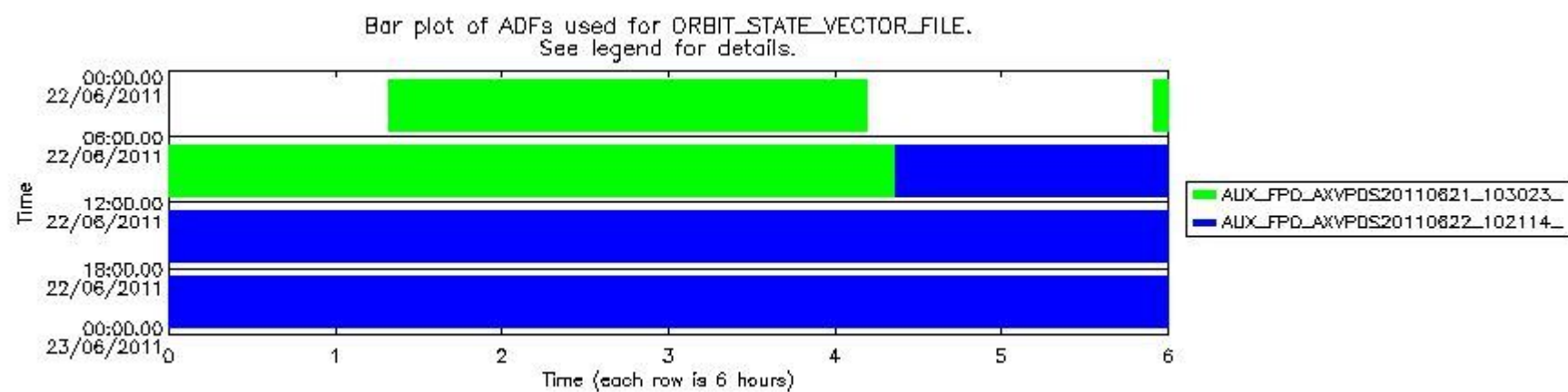
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

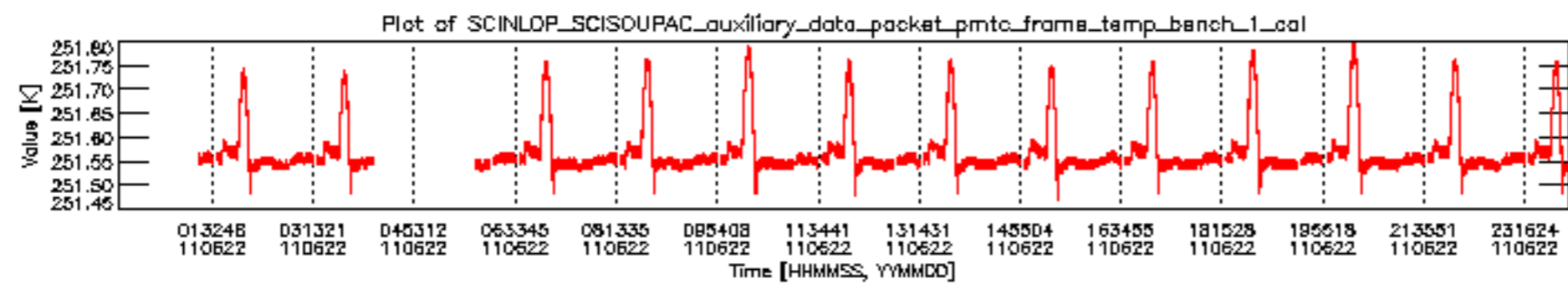
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20110621_103023_20110620_192850_20110630_200224
2	AUX_FPO_AXVPDS20110622_102114_20110621_185205_20110701_210553



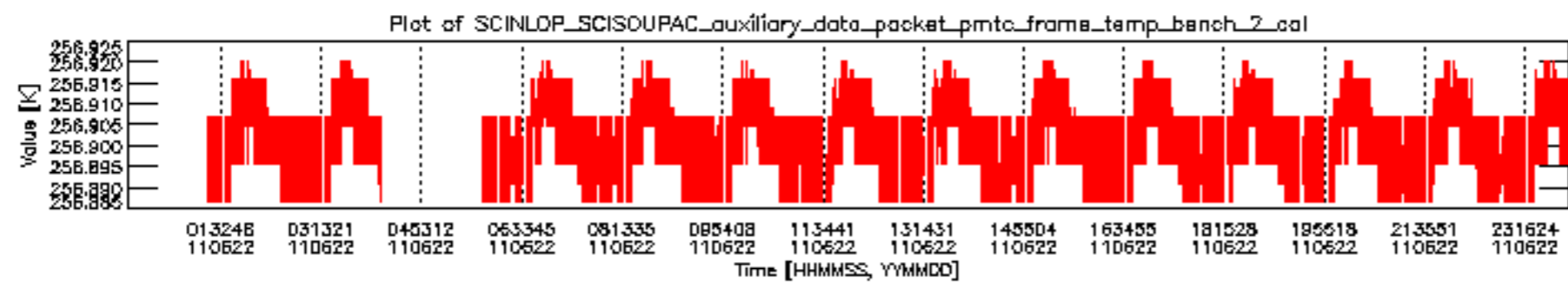
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110622\_7.PNG

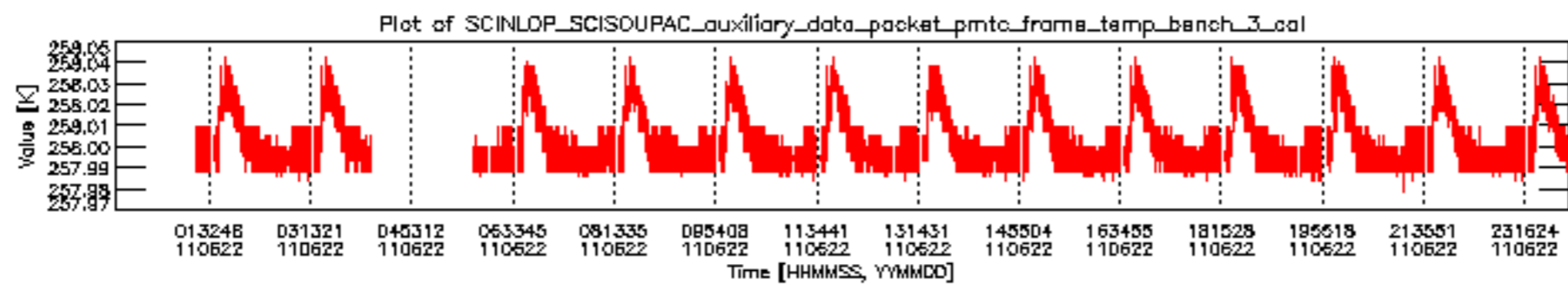


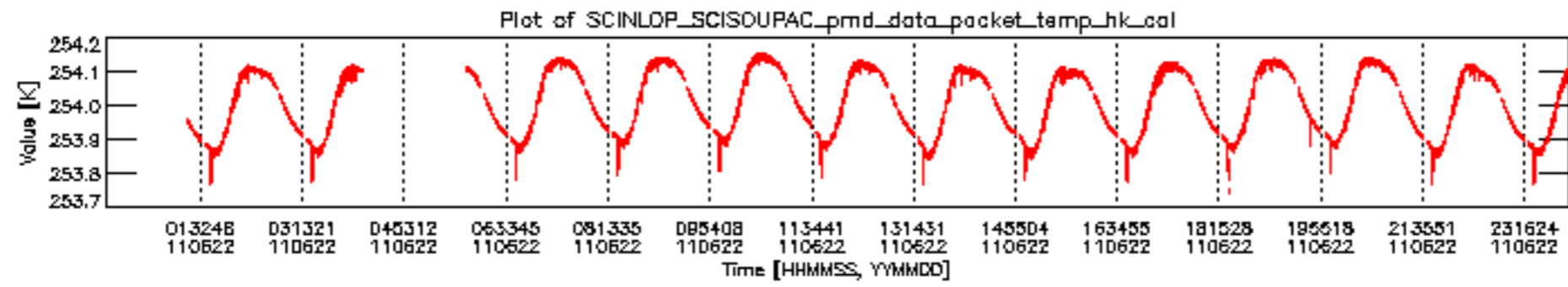
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110622\_8.PNG

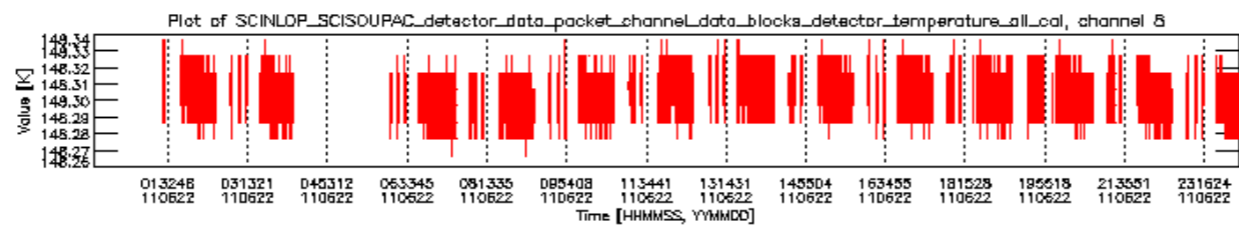
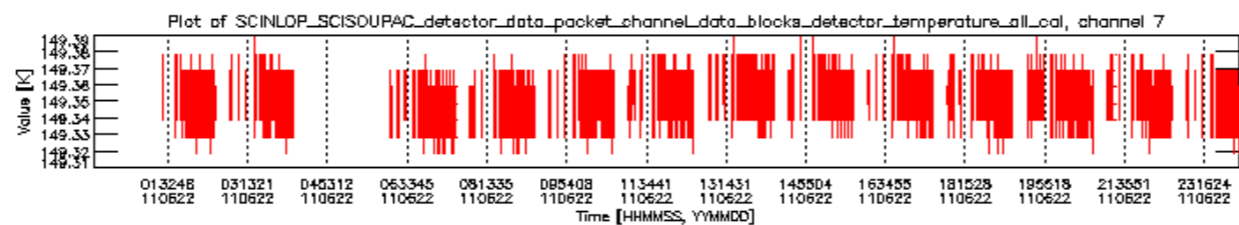
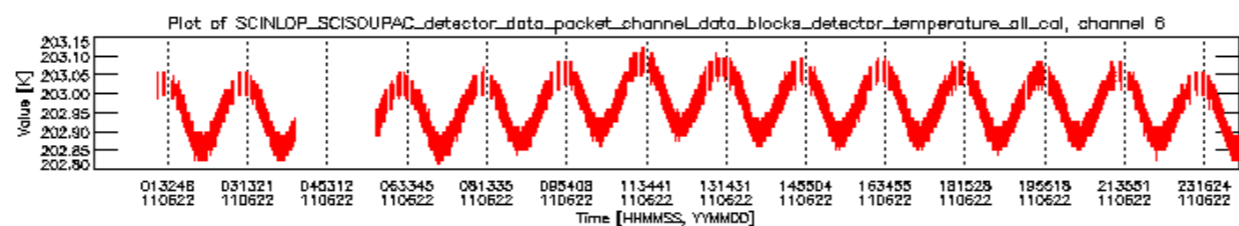
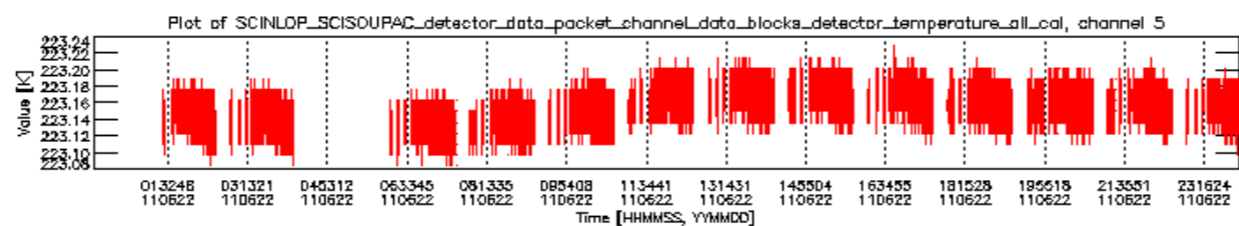
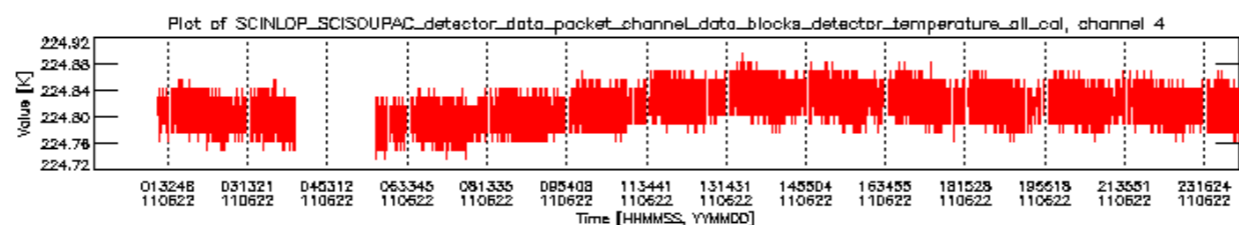
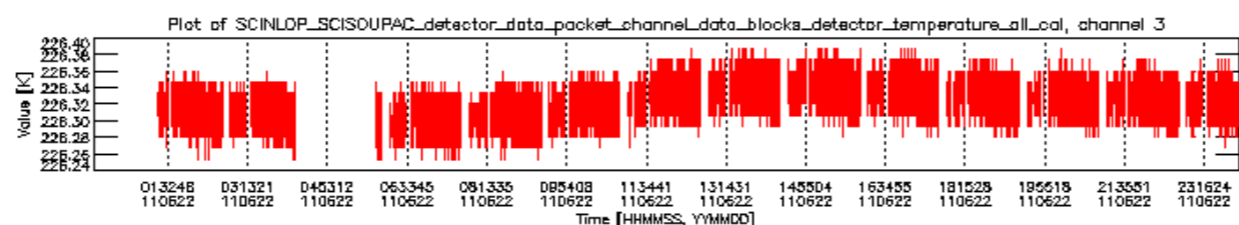
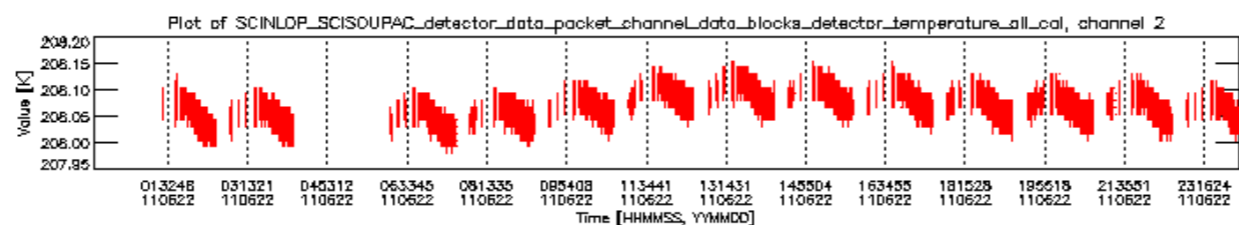
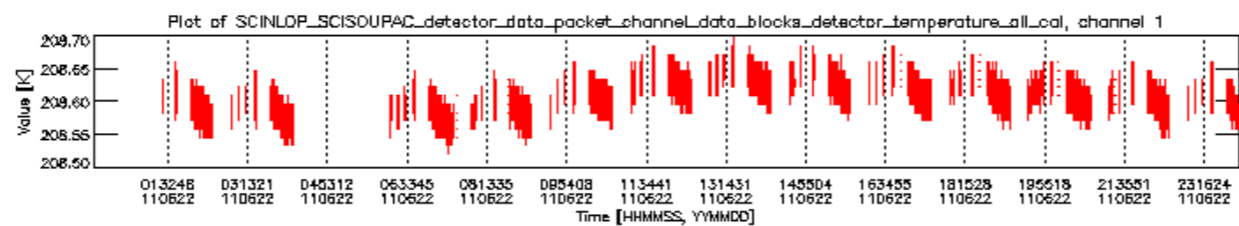


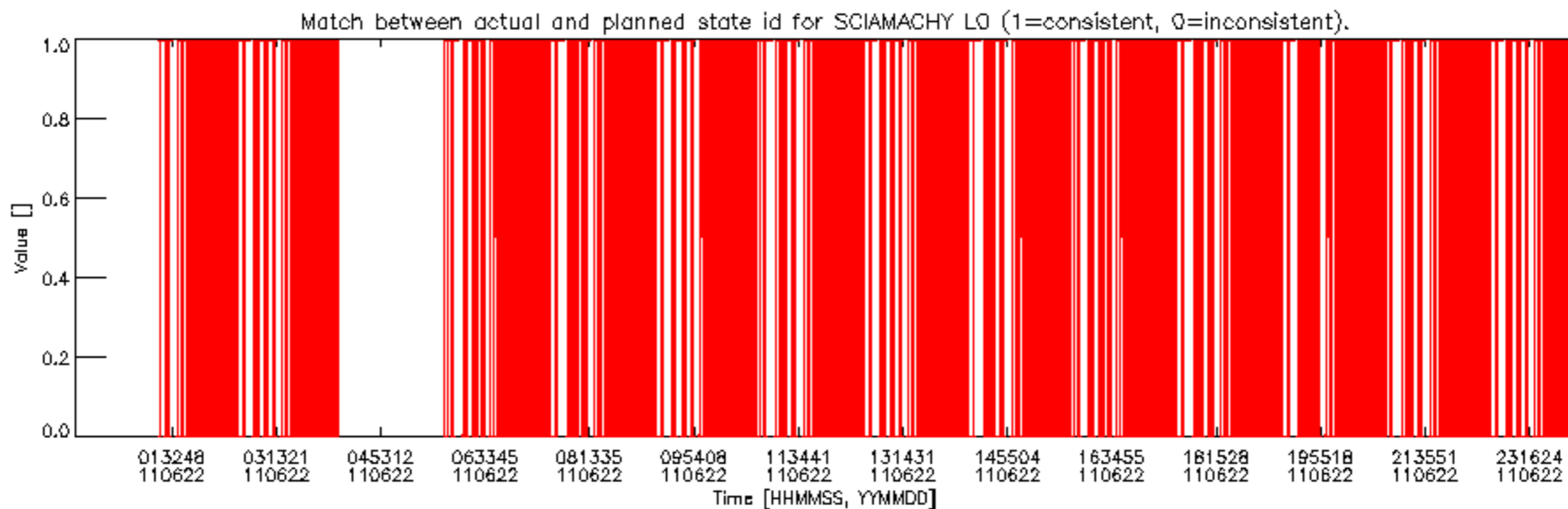
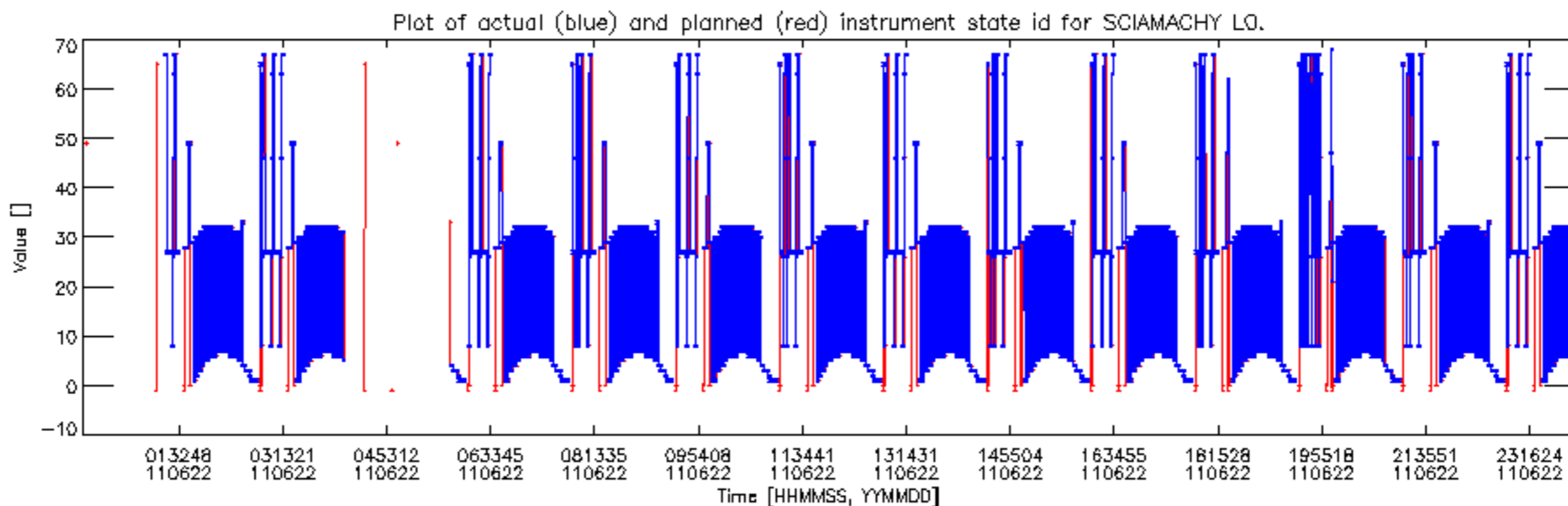












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 22JUN2011.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

