

## 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	v1.3 20060731
Time of report generation	26FEB2009 05:18:16
Data source version	KSPT_L0/4303-N
Processing scope for products	22FEB2009 00:00:00 to 23FEB2009 00:00:00
Start time of first product within scope	21FEB2009 23:12:02
Stop time of last product within scope	23FEB2009 00:20:53
Total number of level 0 products	16
Number of level 0 products with errors	1

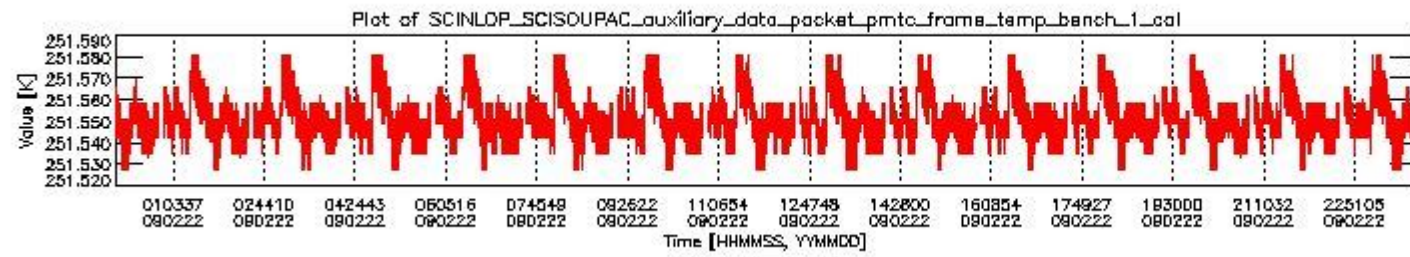
### 0.1.2 Summary per product

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

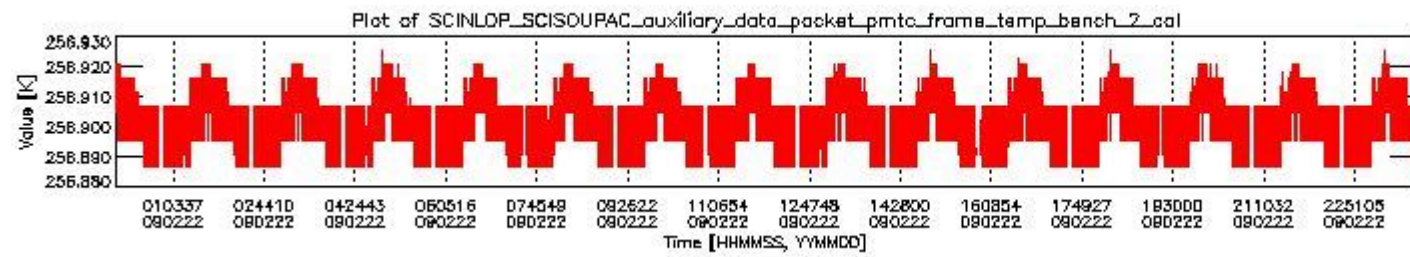
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090221_231202_000060352076_00373_36499_8539.N1	21FEB2009 23:12:02	22FEB2009 00:52:37	0	0	0	0	0
1	SCI_NL__OPNPDE20090222_005237_000045952076_00374_36500_8540.N1	22FEB2009 00:52:37	22FEB2009 02:09:12	0	0	0	0	0
2	SCI_NL__OPNPDE20090222_020804_000057992076_00375_36501_8541.N1	22FEB2009 02:08:04	22FEB2009 03:44:43	0	0	0	0	0
3	SCI_NL__OPNPDE20090222_034443_000060232076_00376_36502_8542.N1	22FEB2009 03:44:43	22FEB2009 05:25:06	0	0	0	0	0
4	SCI_NL__OPNPDE20090222_052506_000060482076_00377_36503_8543.N1	22FEB2009 05:25:06	22FEB2009 07:05:54	0	0	0	0	0
5	SCI_NL__OPNPDK20090222_070554_000040322076_00378_36504_0784.N1	22FEB2009 07:05:54	22FEB2009 08:13:06	0	0	0	0	0
6	SCI_NL__OPNPDK20090222_081210_000061042076_00379_36505_0785.N1	22FEB2009 08:12:10	22FEB2009 09:53:54	1	1	0	0	1
7	SCI_NL__OPNPDK20090222_095246_000060912076_00380_36506_0786.N1	22FEB2009 09:52:46	22FEB2009 11:34:17	0	0	0	0	0
8	SCI_NL__OPNPDK20090222_113321_000059802076_00381_36507_0787.N1	22FEB2009 11:33:21	22FEB2009 13:13:00	0	0	0	0	0
9	SCI_NL__OPNPDK20090222_131152_000059672076_00382_36508_0788.N1	22FEB2009 13:11:52	22FEB2009 14:51:19	0	0	0	0	0
10	SCI_NL__OPNPDK20090222_144927_000059802076_00383_36509_0789.N1	22FEB2009 14:49:27	22FEB2009 16:29:07	0	0	0	0	0
11	SCI_NL__OPNPDK20090222_162553_000060362076_00384_36510_0790.N1	22FEB2009 16:25:53	22FEB2009 18:06:28	0	0	0	0	0
12	SCI_NL__OPNPDK20090222_180628_000060362076_00385_36511_0791.N1	22FEB2009 18:06:28	22FEB2009 19:47:04	0	0	0	0	0
13	SCI_NL__OPNPDE20090222_194607_000040072076_00386_36512_8544.N1	22FEB2009 19:46:07	22FEB2009 20:52:54	0	0	0	0	0
14	SCI_NL__OPNPDE20090222_205145_000060632076_00386_36512_8545.N1	22FEB2009 20:51:45	22FEB2009 22:32:48	0	0	0	0	0
15	SCI_NL__OPNPDE20090222_224017_000060352076_00387_36513_8546.N1	22FEB2009 22:40:17	23FEB2009 00:20:53	0	0	0	0	0

## 0.2 Product Quality Indicators

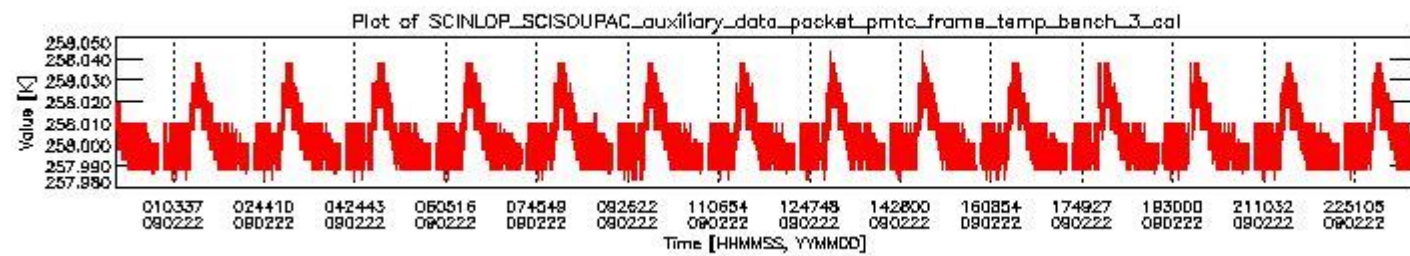
This section shows information about product quality, currently temperatures.



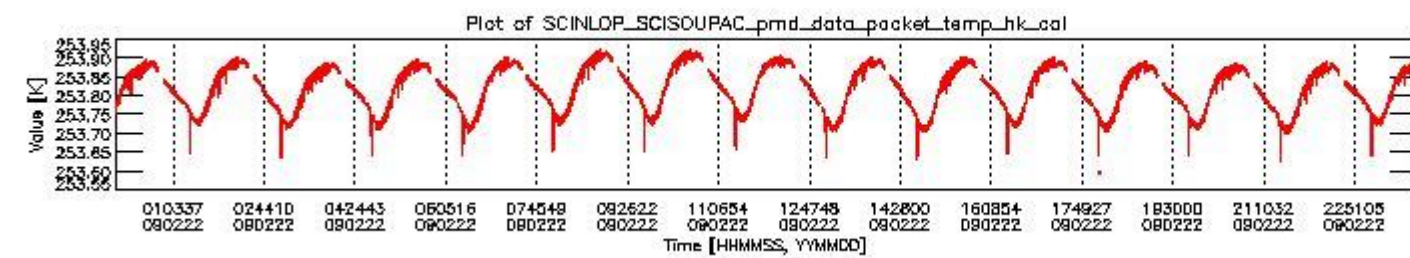
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090222\_0.PNG



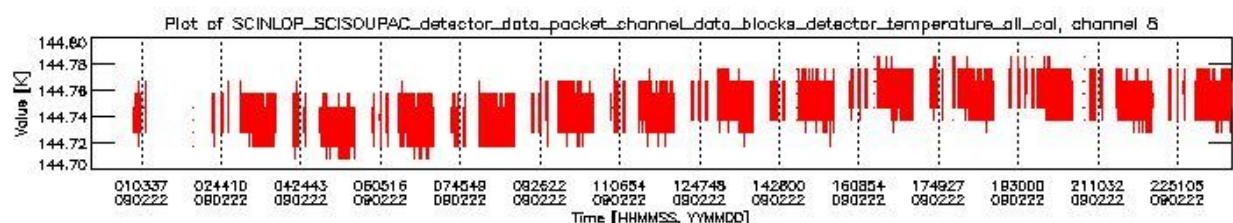
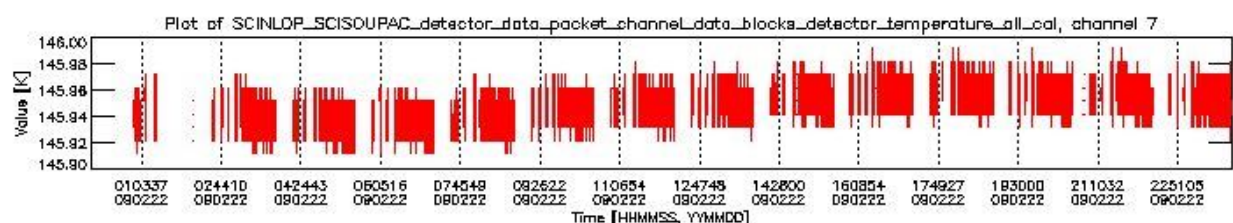
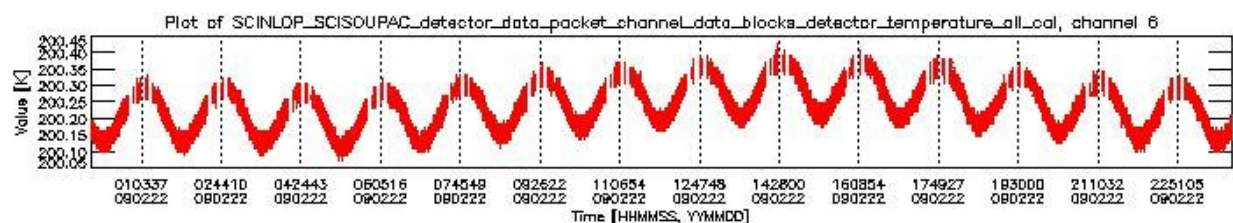
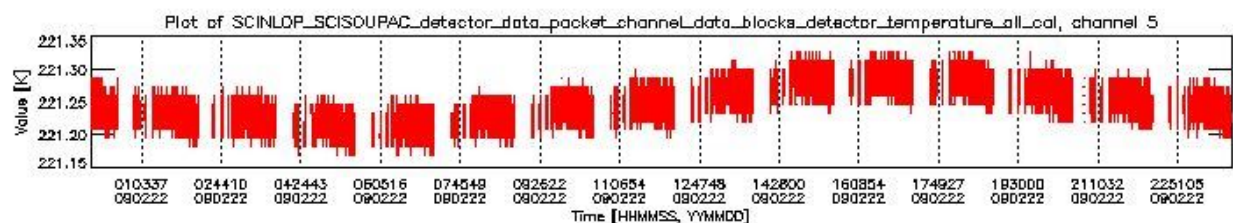
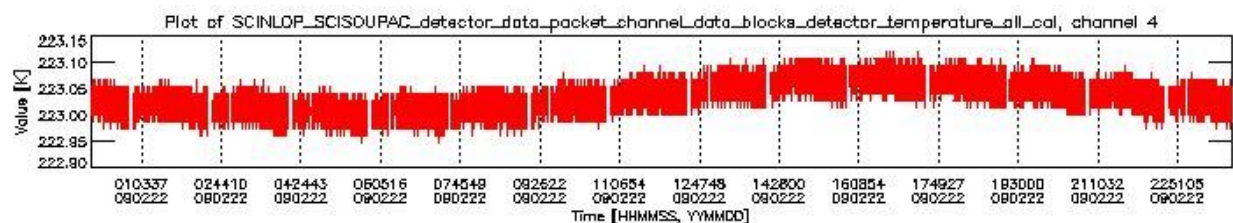
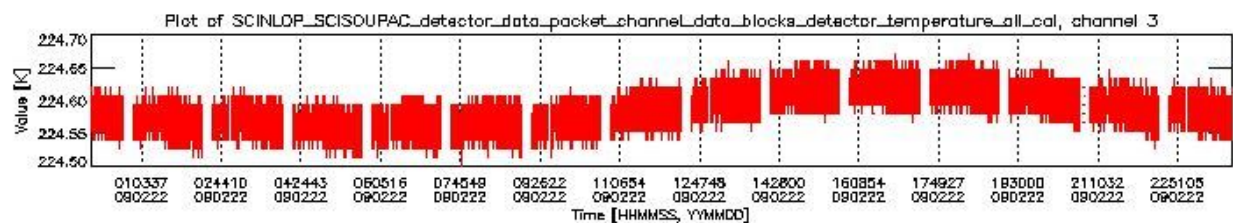
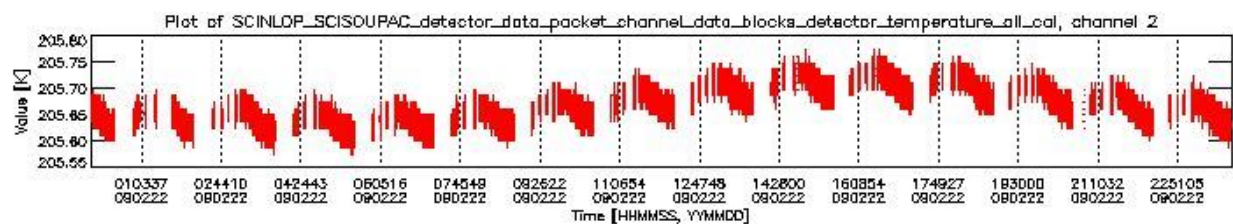
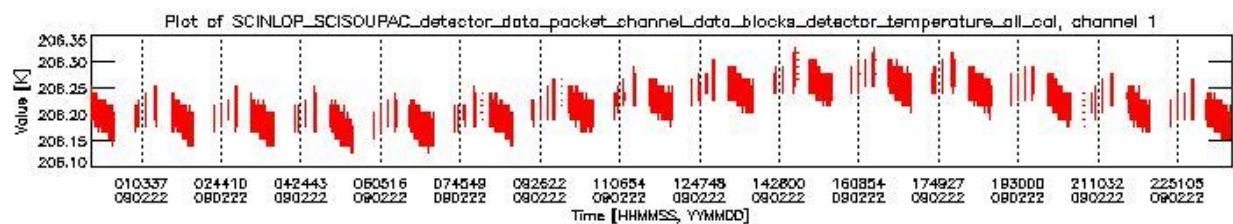
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090222\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090222\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090222\_3.PNG

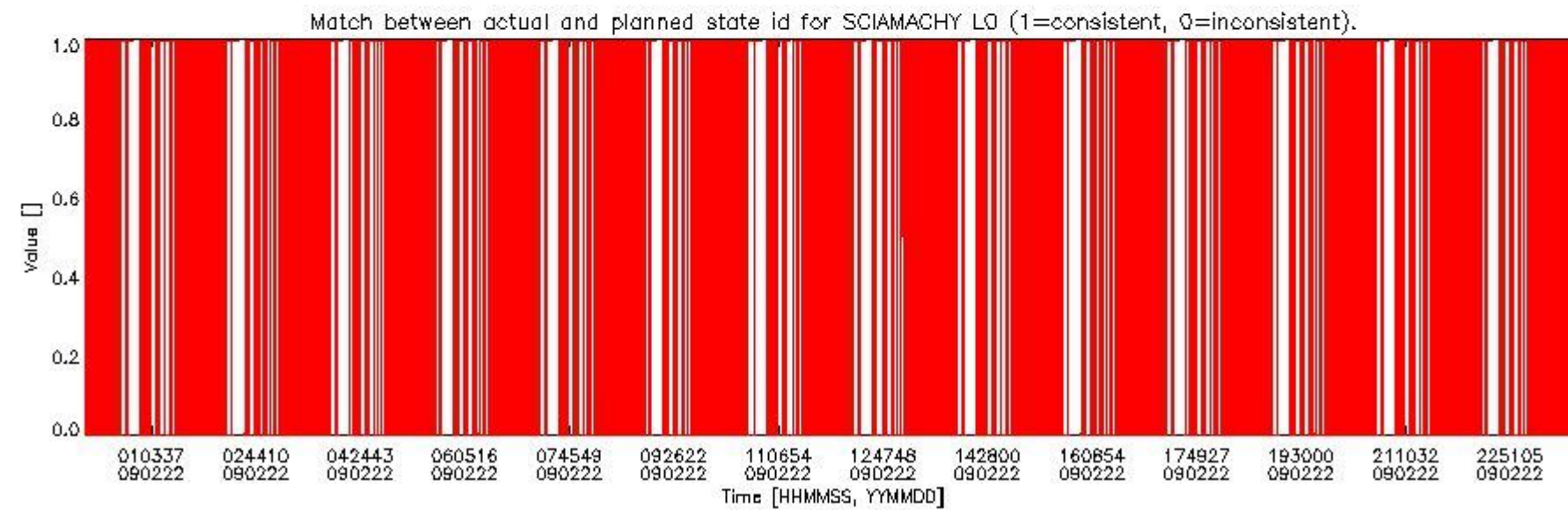
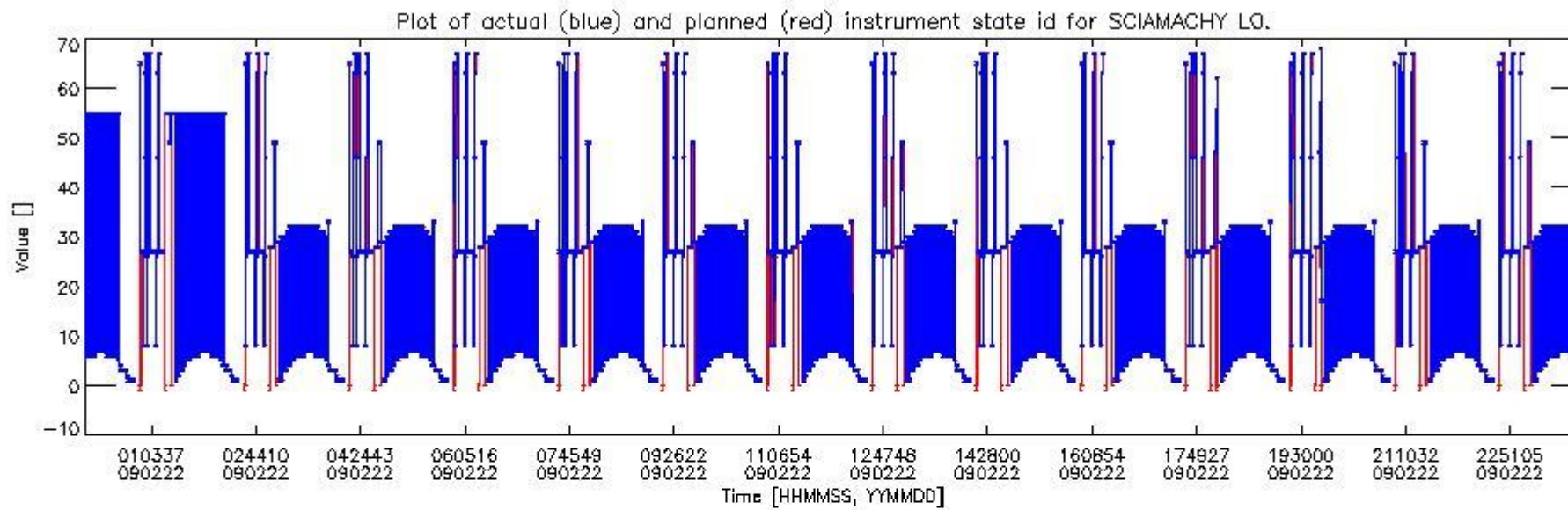


### 0.3 State monitoring

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: **46604**

#	Actual time	Actual value	Planned time	Planned value
0	22FEB2009 00:00:44.054237	55	22FEB2009 00:00:44.054237	6
1	22FEB2009 00:00:44.679259	55	22FEB2009 00:00:44.679259	6
2	22FEB2009 00:00:45.054232	55	22FEB2009 00:00:45.054232	6
3	22FEB2009 00:00:45.429245	55	22FEB2009 00:00:45.429245	6
4	22FEB2009 00:00:45.991744	55	22FEB2009 00:00:45.991744	6
5	22FEB2009 00:00:46.366757	55	22FEB2009 00:00:46.366757	6
6	22FEB2009 00:00:46.741730	55	22FEB2009 00:00:46.741730	6
7	22FEB2009 00:00:47.116743	55	22FEB2009 00:00:47.116743	6
8	22FEB2009 00:00:47.679242	55	22FEB2009 00:00:47.679242	6
9	22FEB2009 00:00:48.054256	55	22FEB2009 00:00:48.054256	6
10	22FEB2009 00:00:48.429228	55	22FEB2009 00:00:48.429228	6
11	22FEB2009 00:00:48.804241	55	22FEB2009 00:00:48.804241	6
12	22FEB2009 00:00:49.054250	55	22FEB2009 00:00:49.054250	6
13	22FEB2009 00:00:49.366741	55	22FEB2009 00:00:49.366741	6
14	22FEB2009 00:00:49.741754	55	22FEB2009 00:00:49.741754	6
15	22FEB2009 00:00:50.116727	55	22FEB2009 00:00:50.116727	6
16	22FEB2009 00:00:50.491740	55	22FEB2009 00:00:50.491740	6
17	22FEB2009 00:00:51.054239	55	22FEB2009 00:00:51.054239	6
18	22FEB2009 00:00:51.429252	55	22FEB2009 00:00:51.429252	6
19	22FEB2009 00:00:51.804265	55	22FEB2009 00:00:51.804265	6
	...	...	...	...

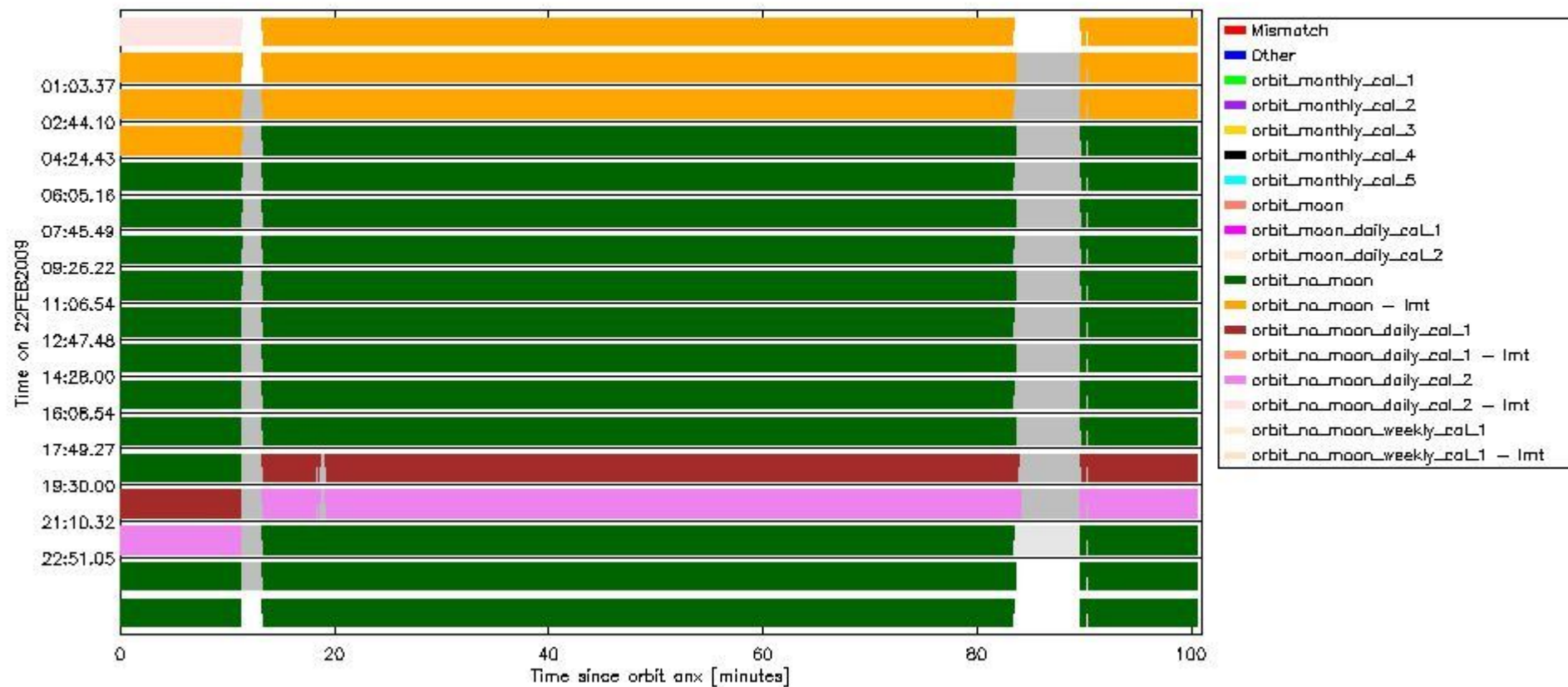


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090222\_5.PNG

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 22FEB2009.  
 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\_20090222\_6.PNG

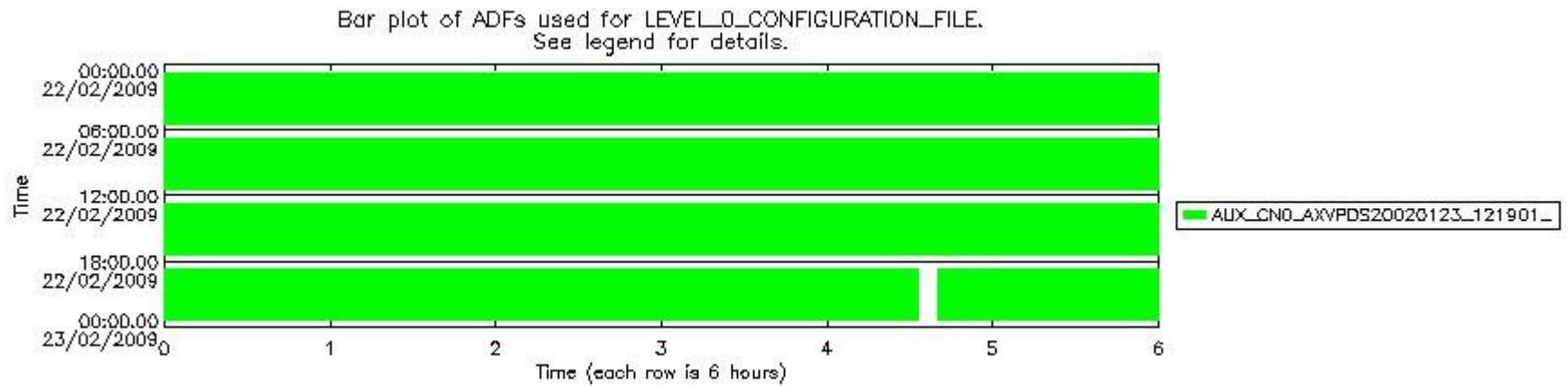
## 0.4 ADF monitoring

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

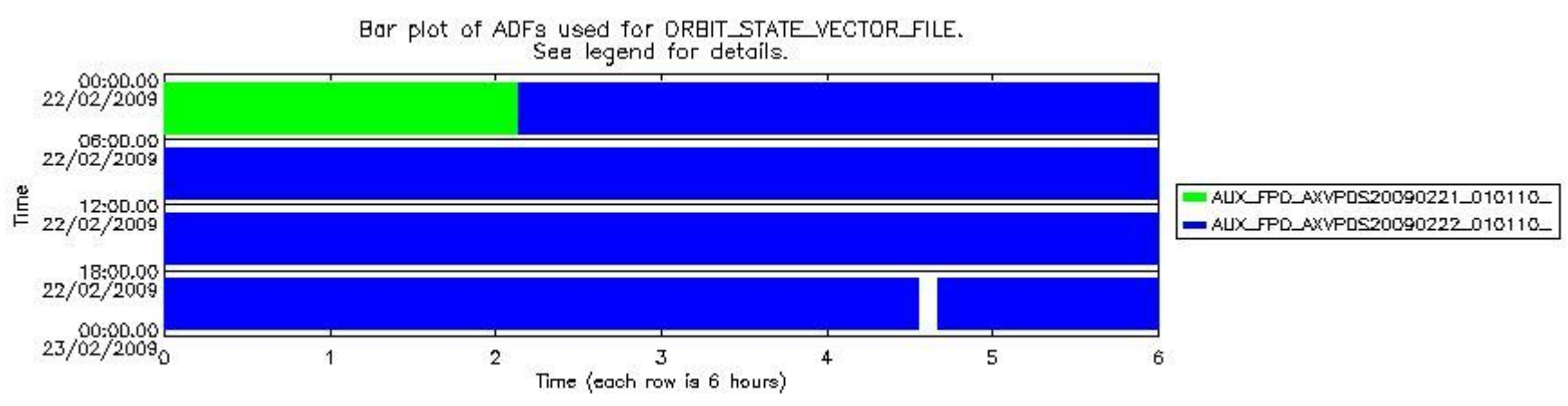
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

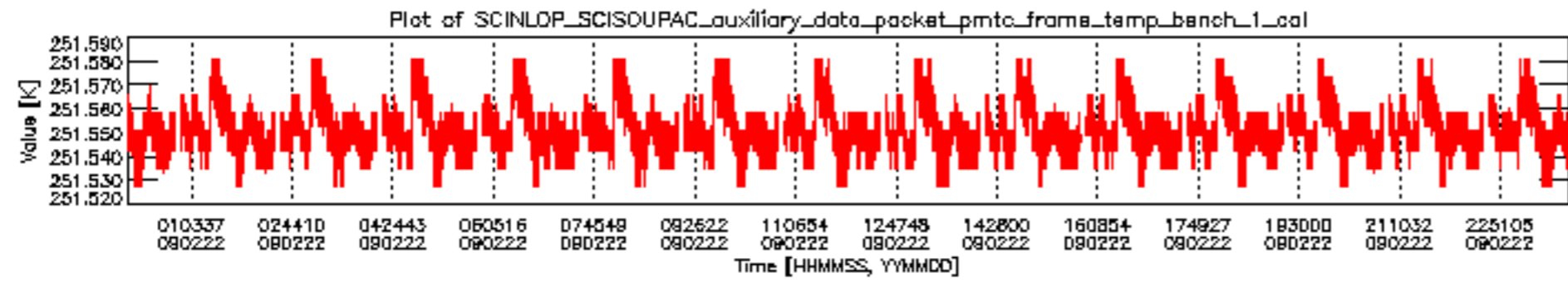
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090221_010110_20090220_185239_20090302_201852
2	AUX_FPO_AXVPDS20090222_010110_20090221_182102_20090303_212751



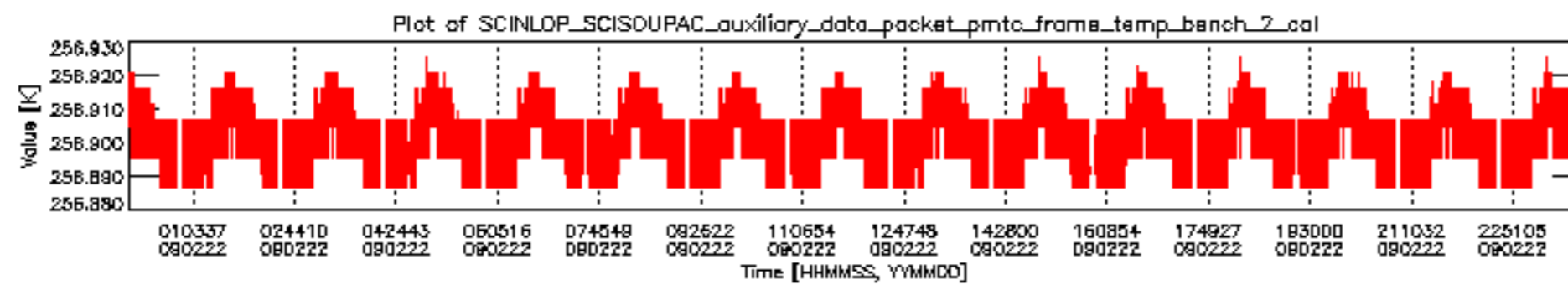
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090222\_7.PNG

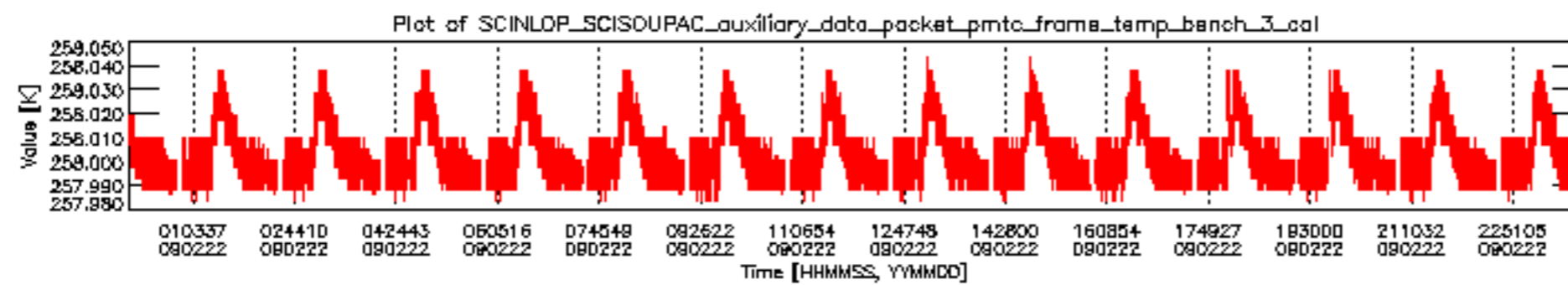


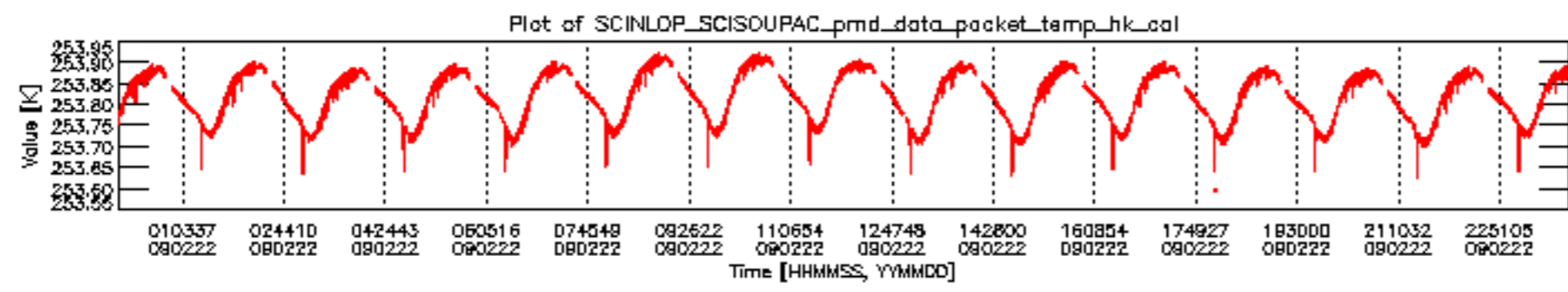
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090222\_8.PNG

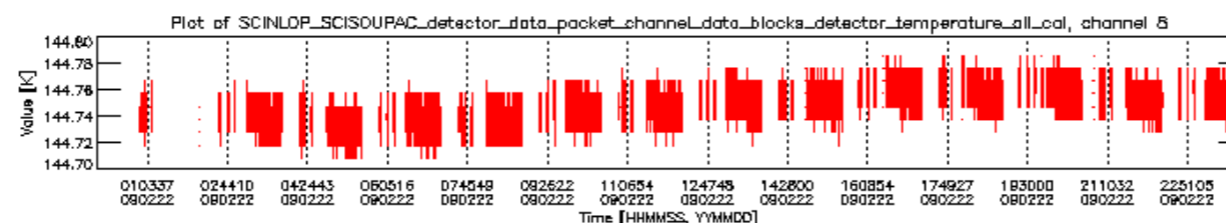
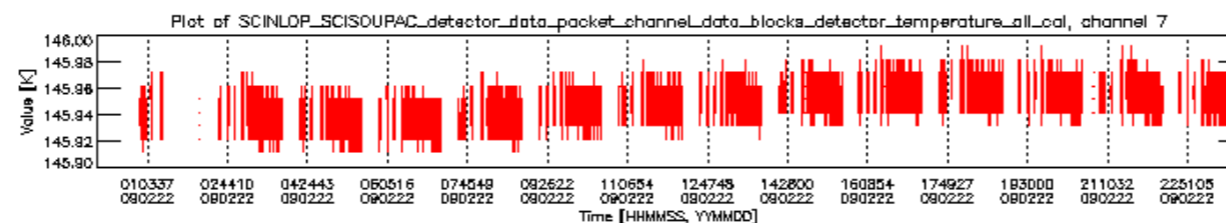
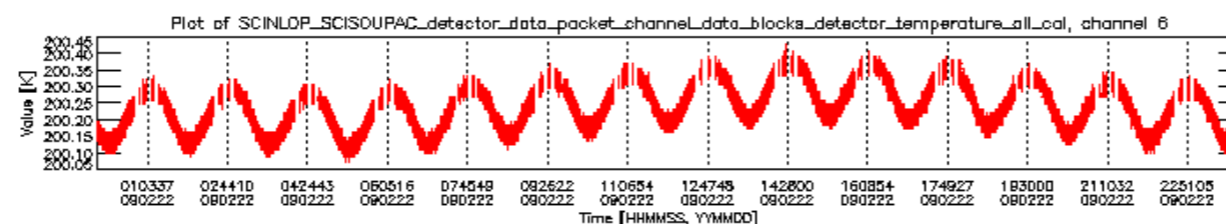
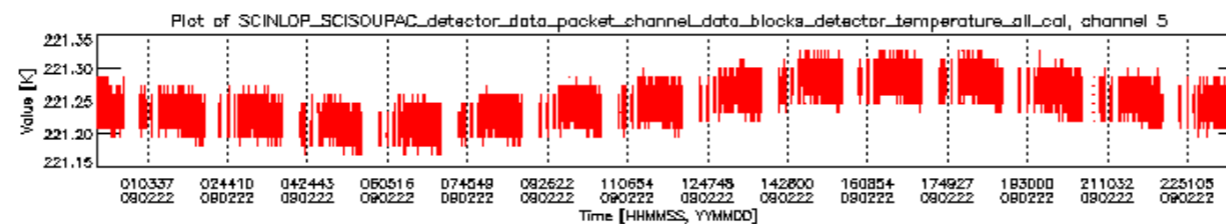
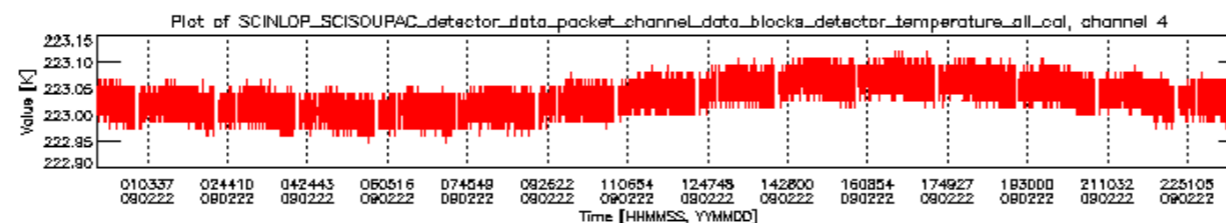
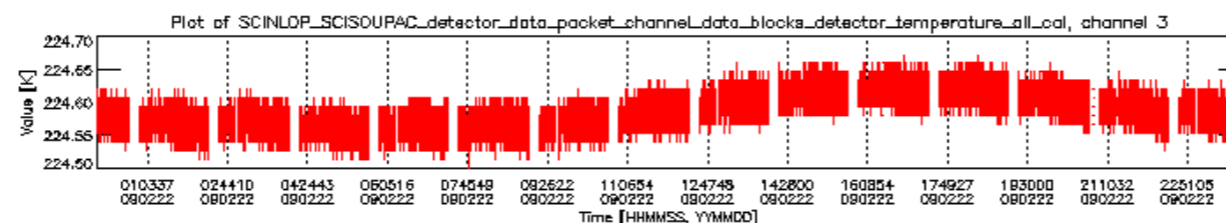
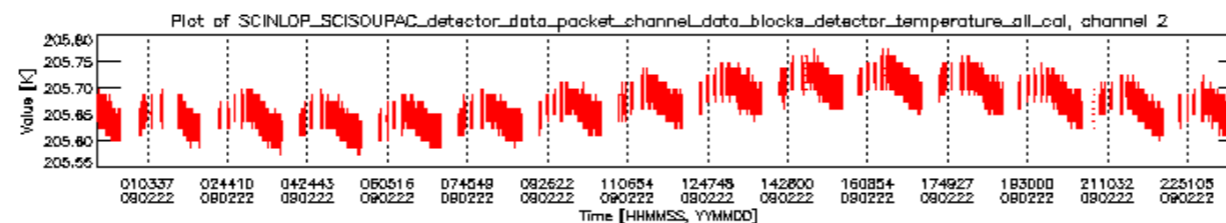
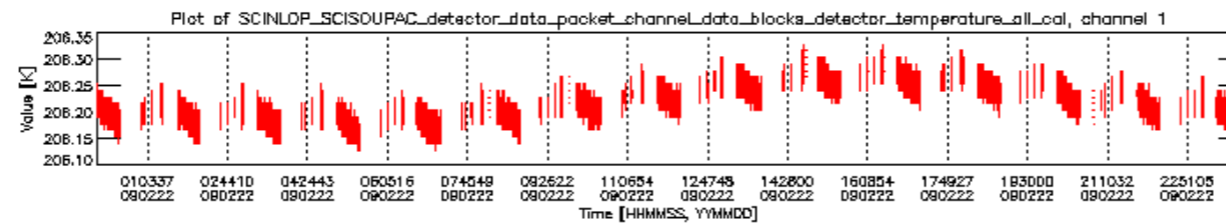


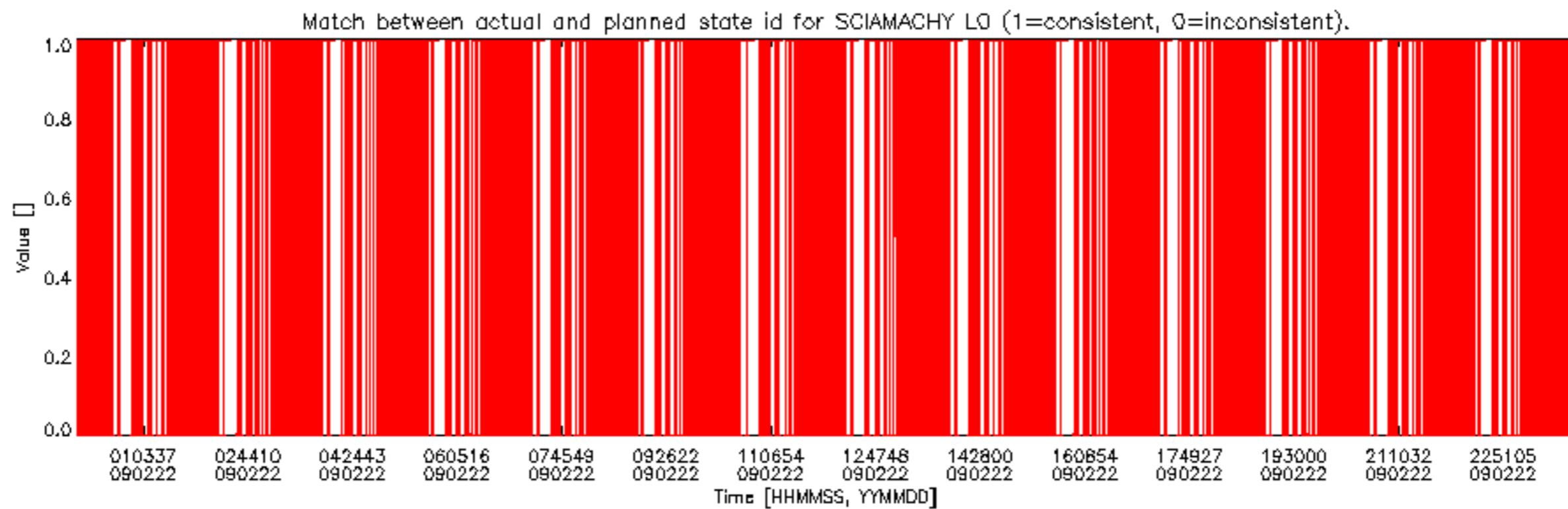
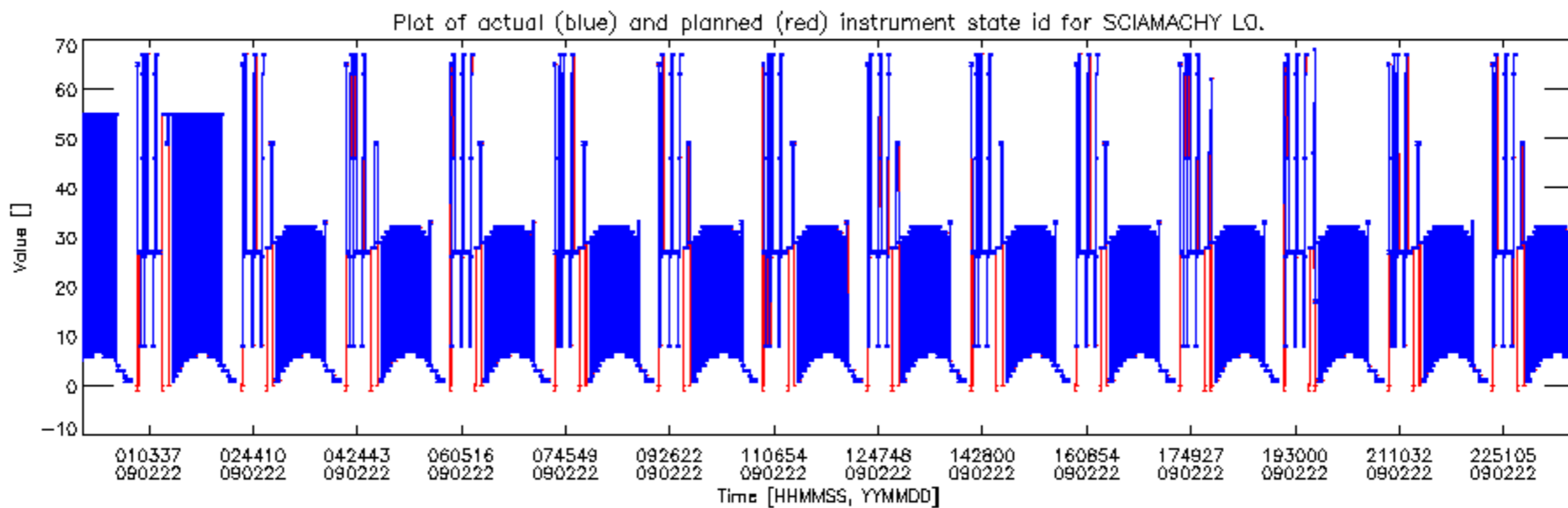












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 22FEB2009.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

