

# 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	23MAR2009 17:20:39
Data source version	KSPT_L0/4303-N
Processing scope for products	17MAR2009 00:00:00 to 18MAR2009 00:00:00
Start time of first product within scope	16MAR2009 22:47:19
Stop time of last product within scope	18MAR2009 01:36:00
Total number of level 0 products	16
Number of level 0 products with errors	2

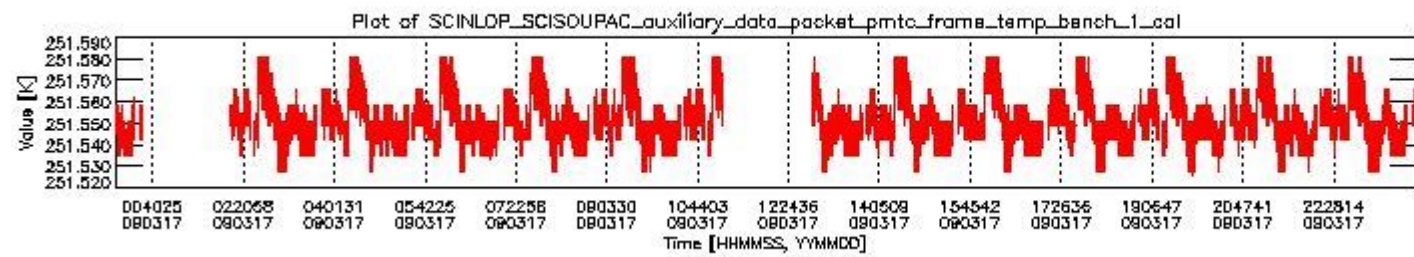
#### 0.1.2 Summary per product

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

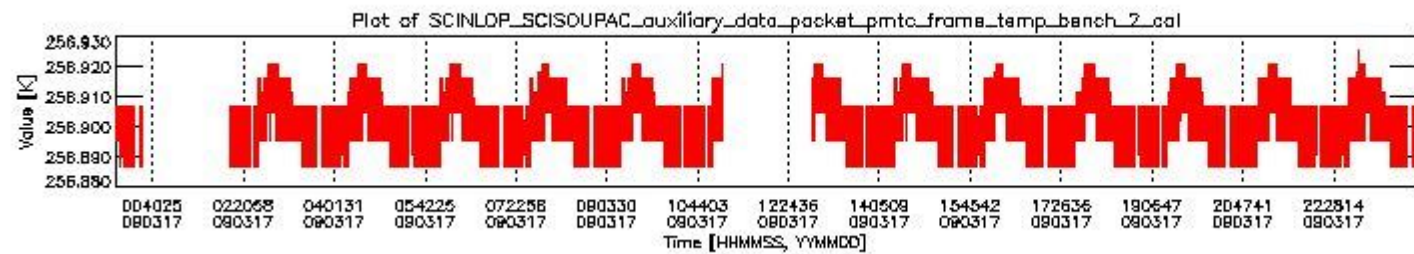
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090316_224719_000060822077_00201_36828_8685.N1	16MAR2009 22:47:19	17MAR2009 00:28:41	0	0	0	0	0
1	SCI_NL__OPNPDE20090317_020702_000044362077_00203_36830_8687.N1	17MAR2009 02:07:02	17MAR2009 03:20:58	0	0	0	0	0
2	SCI_NL__OPNPDE20090317_032002_000061602077_00204_36831_8688.N1	17MAR2009 03:20:02	17MAR2009 05:02:42	0	0	0	0	0
3	SCI_NL__OPNPDE20090317_050146_000060232077_00205_36832_8689.N1	17MAR2009 05:01:46	17MAR2009 06:42:09	0	0	0	0	0
4	SCI_NL__OPNPDK20090317_064209_000041822077_00206_36833_0981.N1	17MAR2009 06:42:09	17MAR2009 07:51:50	0	0	0	0	0
5	SCI_NL__OPNPDK20090317_075042_000060912077_00207_36834_0982.N1	17MAR2009 07:50:42	17MAR2009 09:32:13	0	0	0	0	0
6	SCI_NL__OPNPDK20090317_093117_000060352077_00208_36835_0983.N1	17MAR2009 09:31:17	17MAR2009 11:11:53	0	0	0	0	0
7	SCI_NL__OPNPDK20090317_111057_000060232077_00209_36836_0984.N1	17MAR2009 11:10:57	17MAR2009 12:51:19	1	1	1	0	0
8	SCI_NL__OPNPDK20090317_125024_000058552077_00210_36837_0985.N1	17MAR2009 12:50:24	17MAR2009 14:27:59	1	1	0	0	0
9	SCI_NL__OPNPDK20090317_142554_000060232077_00211_36838_0986.N1	17MAR2009 14:25:54	17MAR2009 16:06:17	0	0	0	0	0
10	SCI_NL__OPNPDK20090317_160425_000060962077_00212_36839_0987.N1	17MAR2009 16:04:25	17MAR2009 17:46:01	0	0	0	0	0
11	SCI_NL__OPNPDK20090317_174410_000059592077_00213_36840_0988.N1	17MAR2009 17:44:10	17MAR2009 19:23:29	0	0	0	0	0
12	SCI_NL__OPNPDK20090317_192127_000061732077_00214_36841_0989.N1	17MAR2009 19:21:27	17MAR2009 21:04:20	0	0	0	0	0
13	SCI_NL__OPNPDE20090317_210202_000044562077_00215_36842_8690.N1	17MAR2009 21:02:02	17MAR2009 22:16:18	0	0	0	0	0
14	SCI_NL__OPNPDE20090317_221534_000061152077_00215_36842_8691.N1	17MAR2009 22:15:34	17MAR2009 23:57:29	0	0	0	0	0
15	SCI_NL__OPNPDE20090317_235642_000059582077_00216_36843_8692.N1	17MAR2009 23:56:42	18MAR2009 01:36:00	0	0	0	0	0

### 0.2 Product Quality Indicators

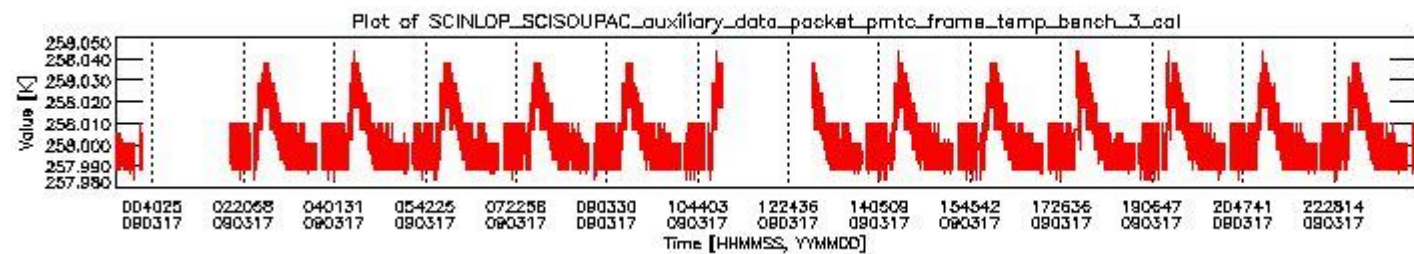
This section shows information about product quality, currently temperatures.



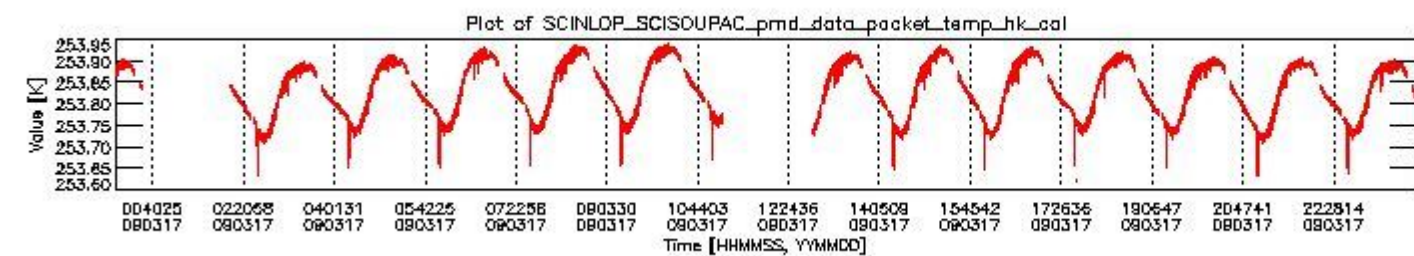
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090317\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090317\_1.PNG

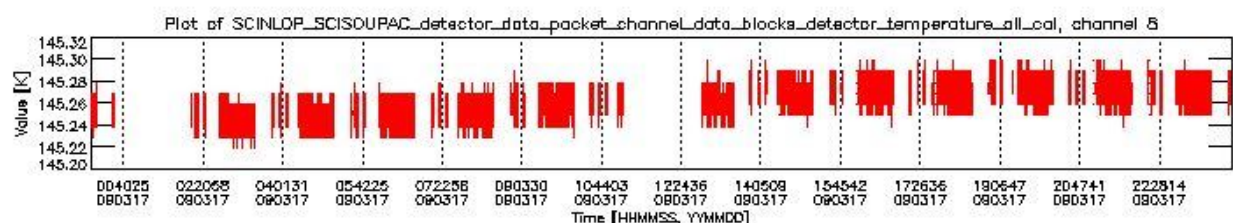
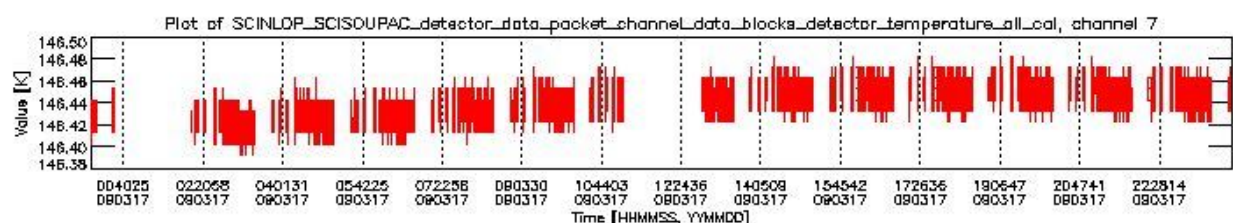
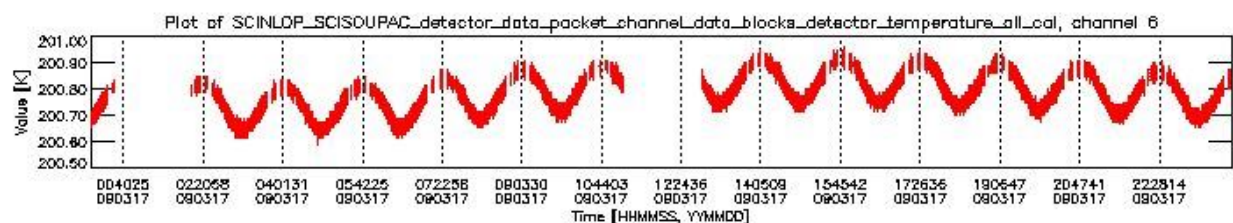
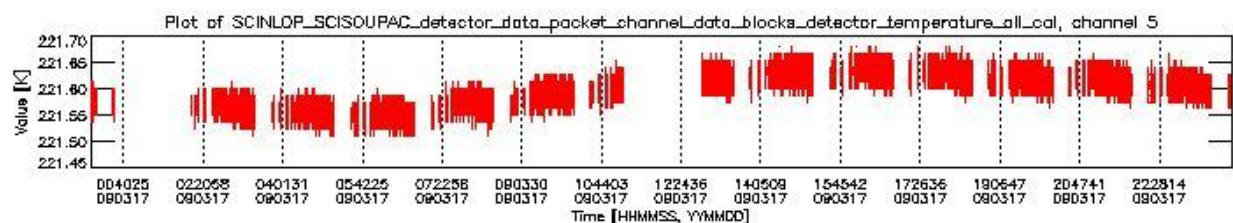
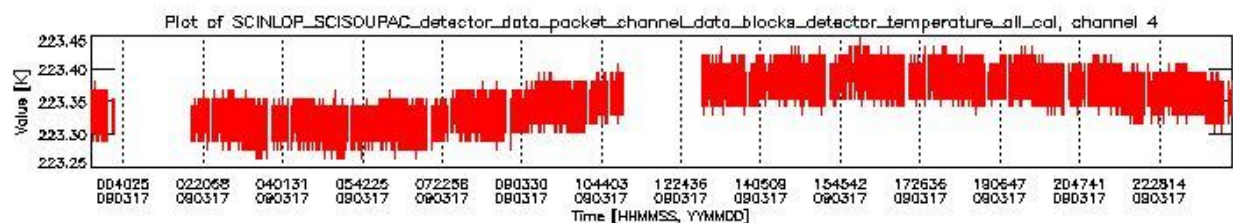
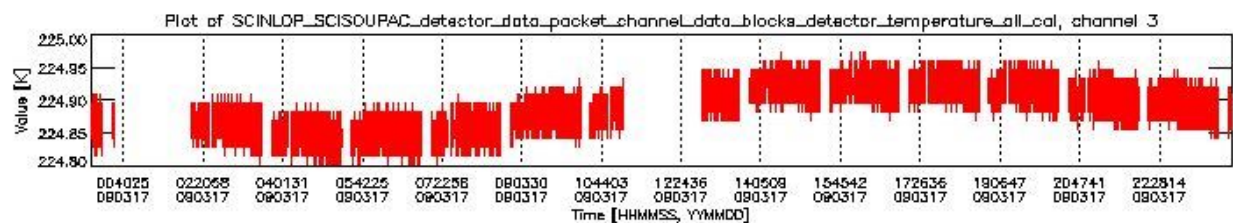
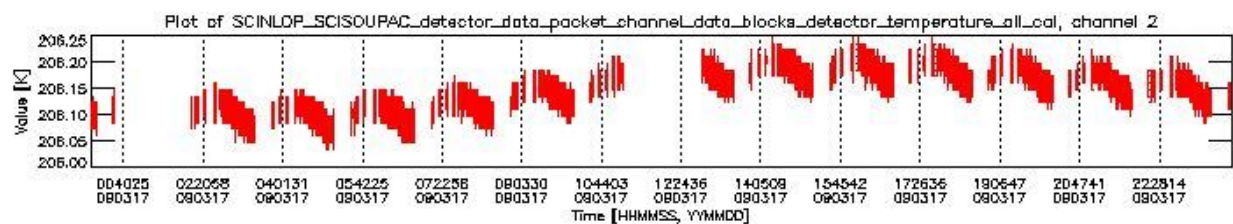
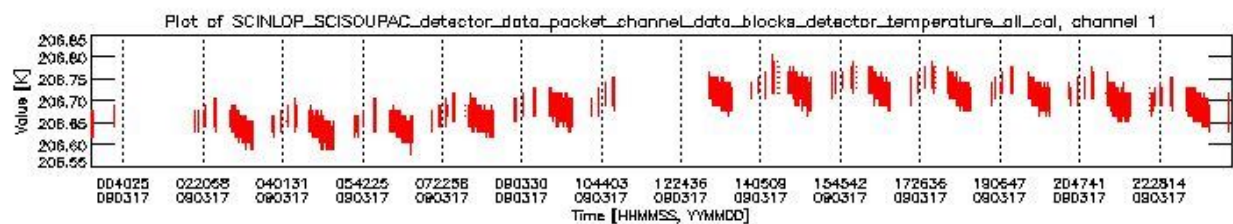


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090317\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090317\_3.PNG



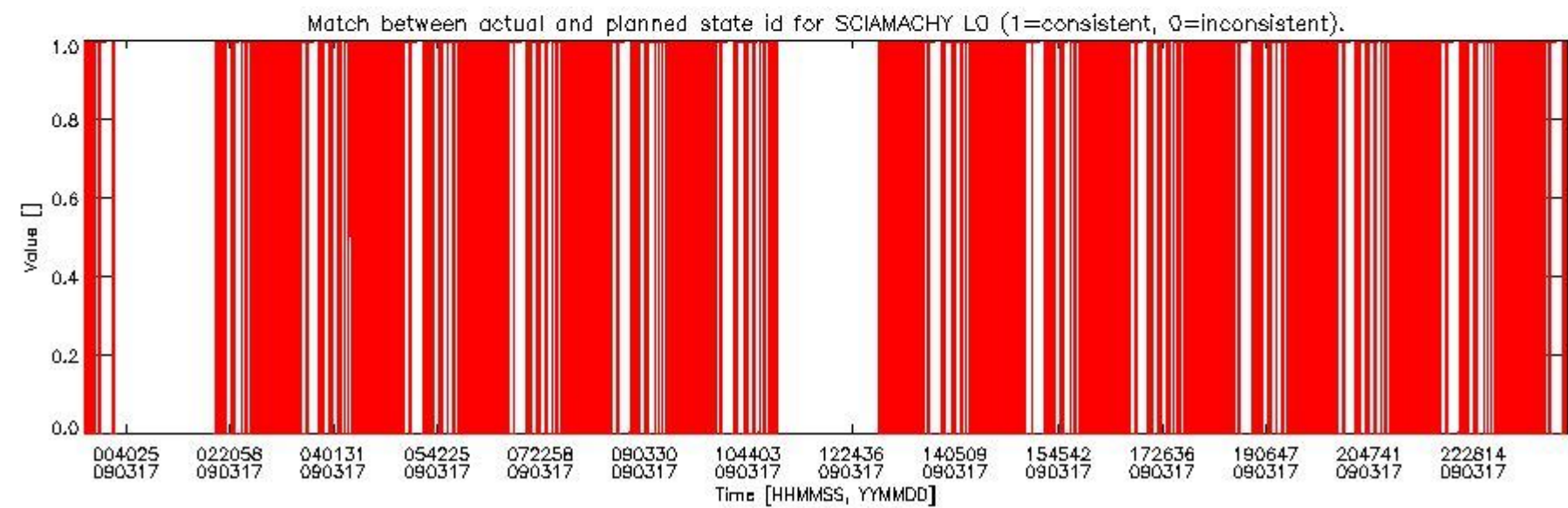
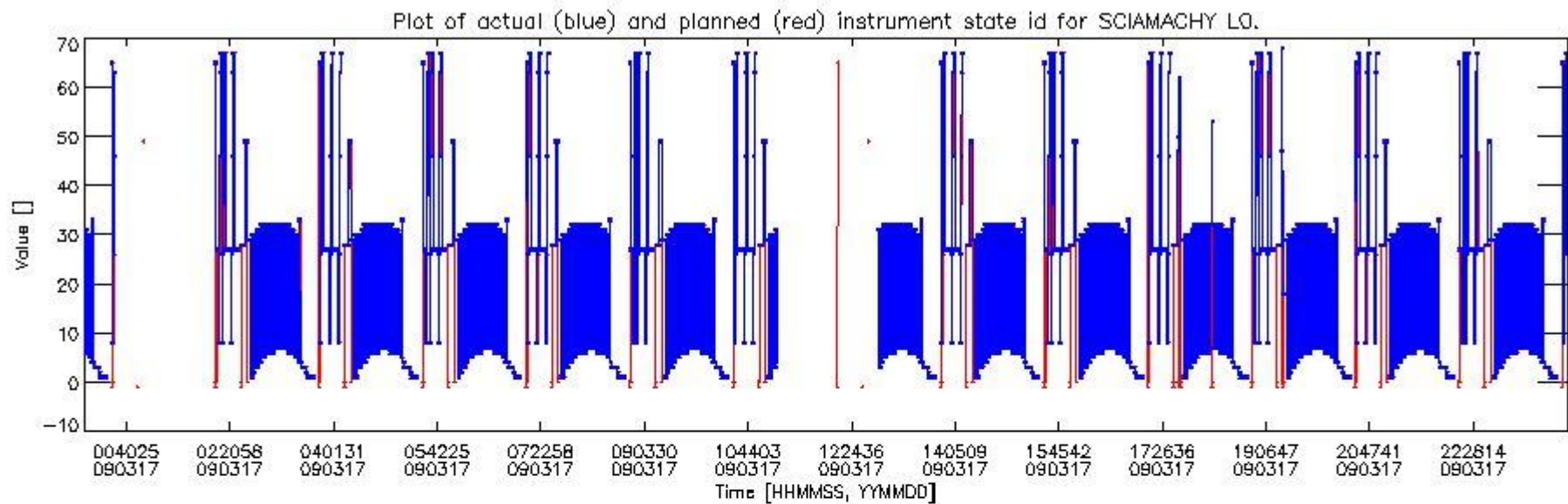


### 0.3 State monitoring

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: **43174**

#	Actual time	Actual value	Planned time	Planned value
0	17MAR2009 00:00:55.797485	31	17MAR2009 00:00:55.797485	6
1	17MAR2009 00:00:56.422466	31	17MAR2009 00:00:56.422466	6
2	17MAR2009 00:00:56.797479	31	17MAR2009 00:00:56.797479	6
3	17MAR2009 00:00:57.172492	31	17MAR2009 00:00:57.172492	6
4	17MAR2009 00:00:57.734992	31	17MAR2009 00:00:57.734992	6
5	17MAR2009 00:00:58.109964	31	17MAR2009 00:00:58.109964	6
6	17MAR2009 00:00:58.484977	31	17MAR2009 00:00:58.484977	6
7	17MAR2009 00:00:58.859991	31	17MAR2009 00:00:58.859991	6
8	17MAR2009 00:00:59.422490	31	17MAR2009 00:00:59.422490	6
9	17MAR2009 00:00:59.797463	31	17MAR2009 00:00:59.797463	6
10	17MAR2009 00:01:00.172476	31	17MAR2009 00:01:00.172476	6
11	17MAR2009 00:01:00.547489	31	17MAR2009 00:01:00.547489	6
12	17MAR2009 00:01:00.797498	31	17MAR2009 00:01:00.797498	6
13	17MAR2009 00:01:01.109988	31	17MAR2009 00:01:01.109988	6
14	17MAR2009 00:01:01.485001	31	17MAR2009 00:01:01.485001	6
15	17MAR2009 00:01:01.859974	31	17MAR2009 00:01:01.859974	6
16	17MAR2009 00:01:02.234987	31	17MAR2009 00:01:02.234987	6
17	17MAR2009 00:01:02.797487	31	17MAR2009 00:01:02.797487	6
18	17MAR2009 00:01:03.172500	31	17MAR2009 00:01:03.172500	6
19	17MAR2009 00:01:03.547473	31	17MAR2009 00:01:03.547473	6
...	...	...	...	...



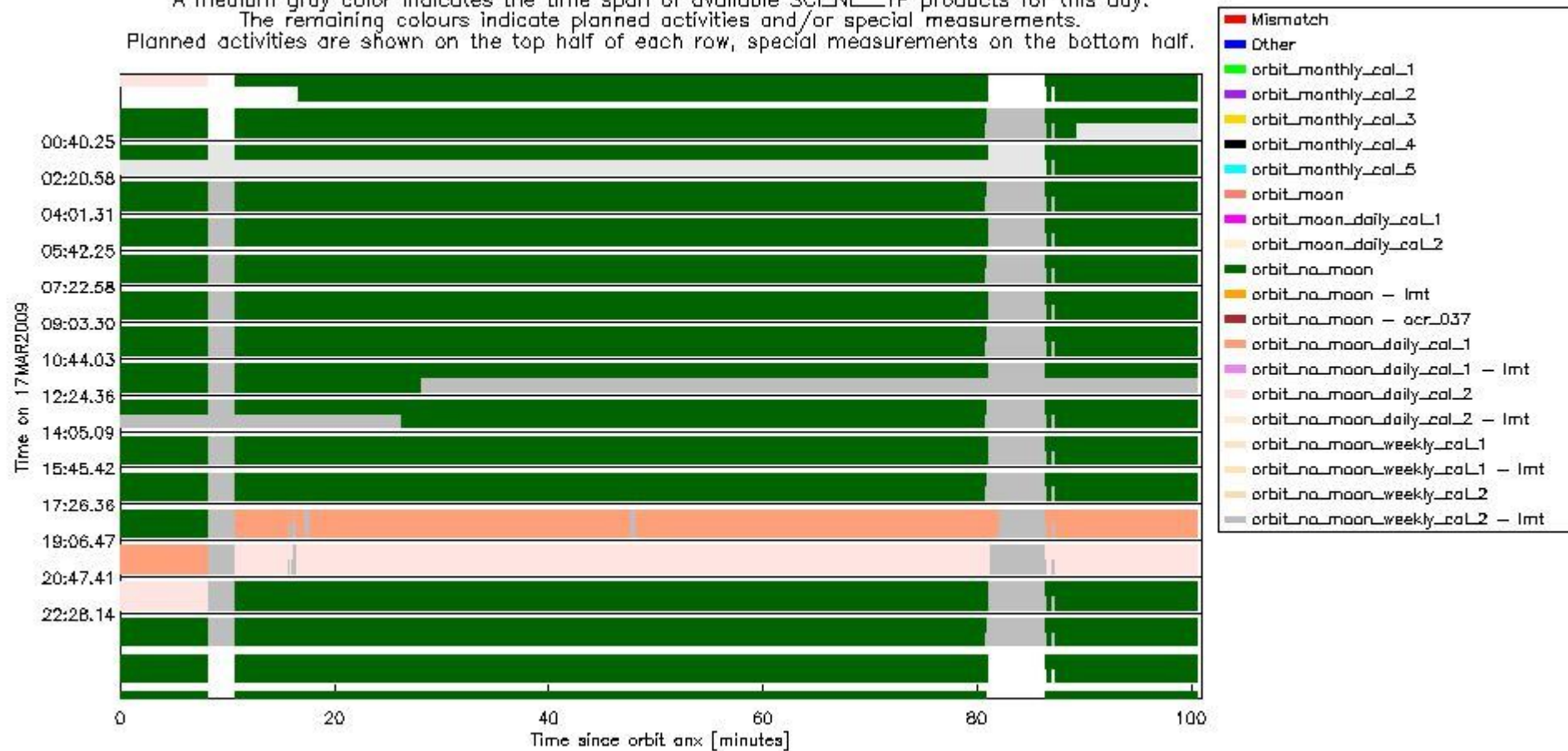
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090317\_5.PNG

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 17MAR2009.  
 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\_20090317\_6.PNG

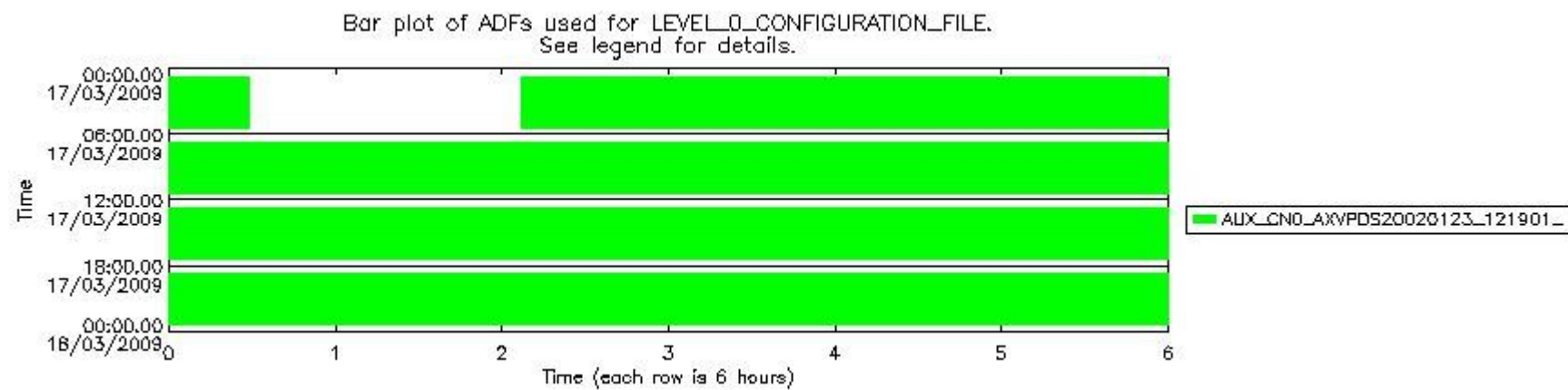
### 0.4 ADF monitoring

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

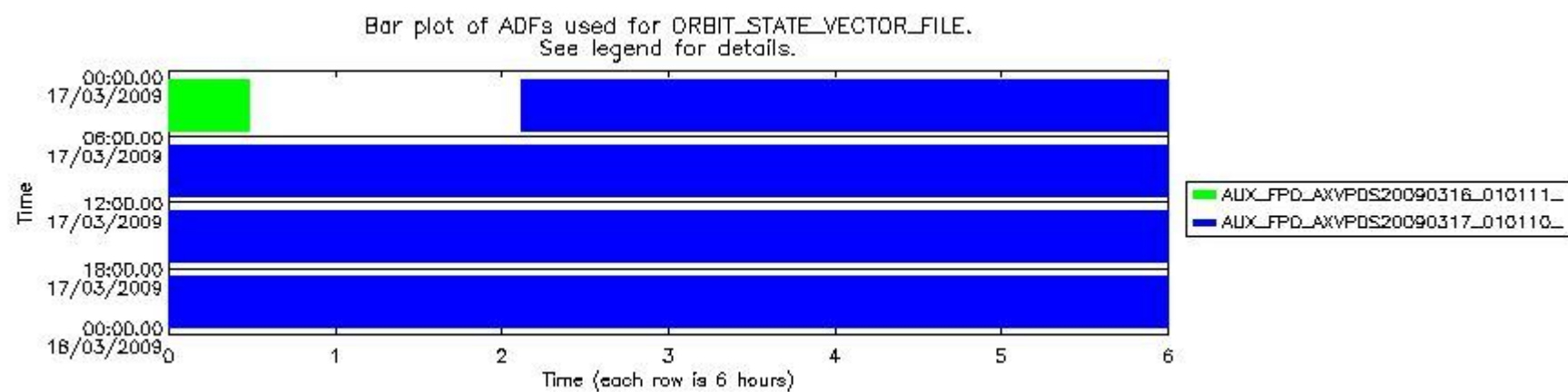
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

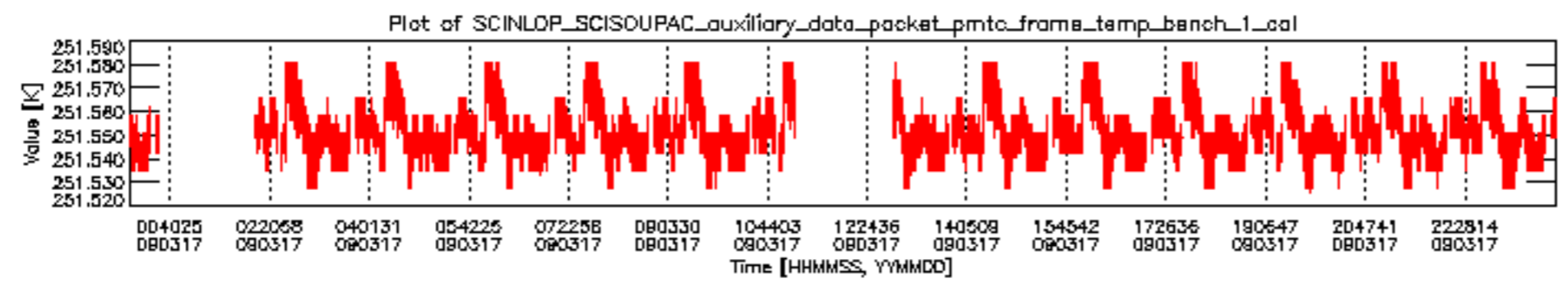
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090316_010111_20090315_182938_20090325_213627
2	AUX_FPO_AXVPDS20090317_010110_20090316_193837_20090326_210450



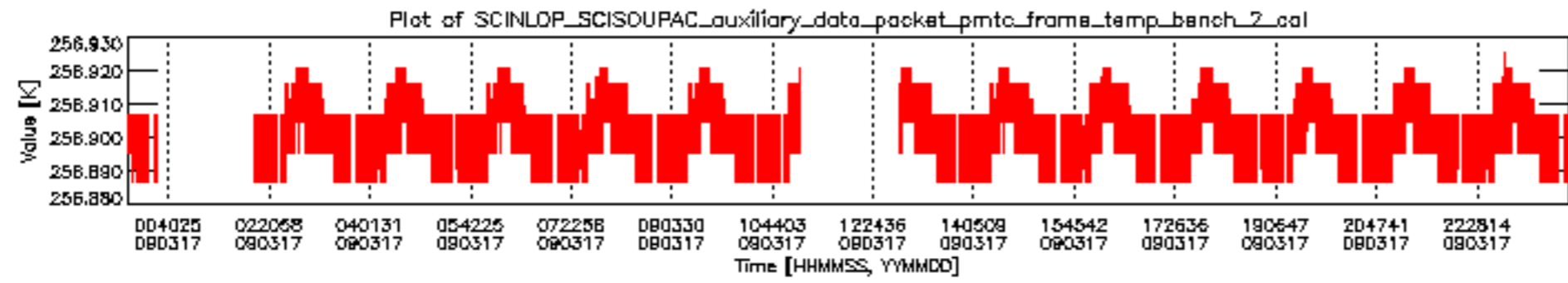
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090317\_7.PNG

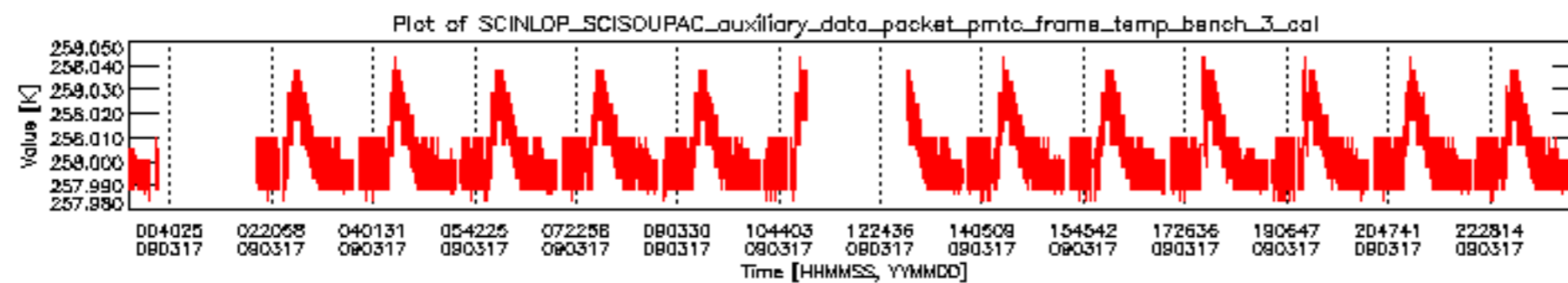


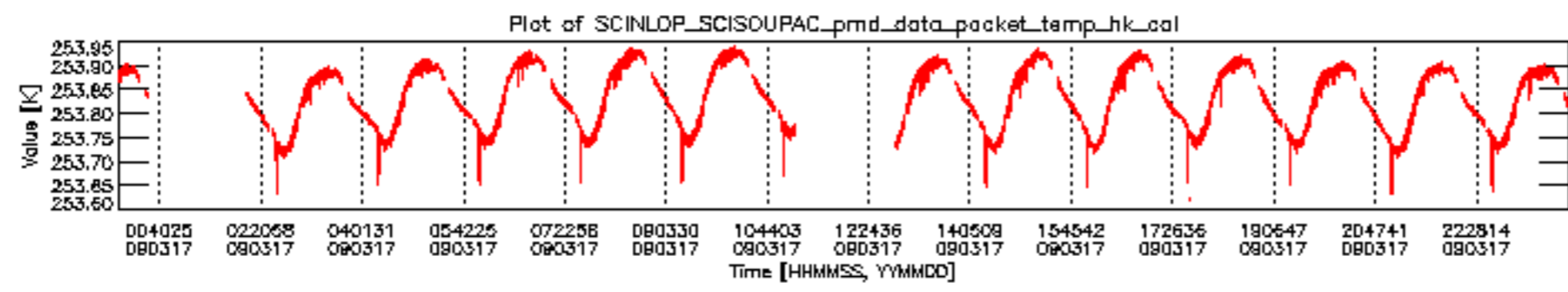
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090317\_8.PNG

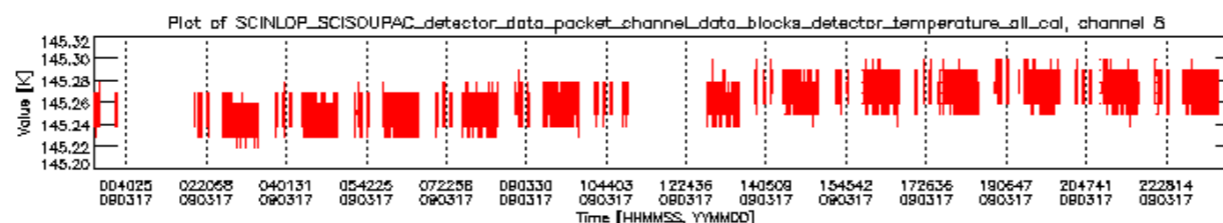
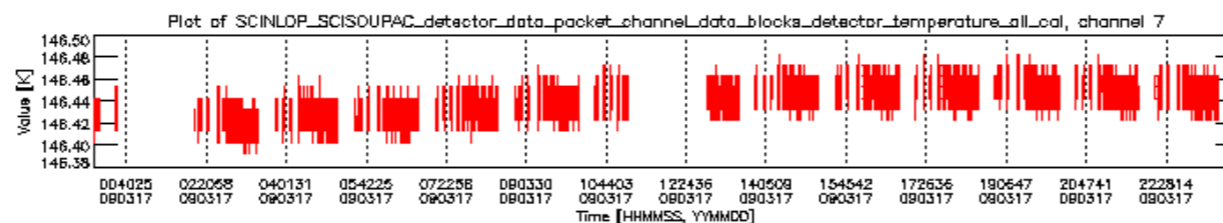
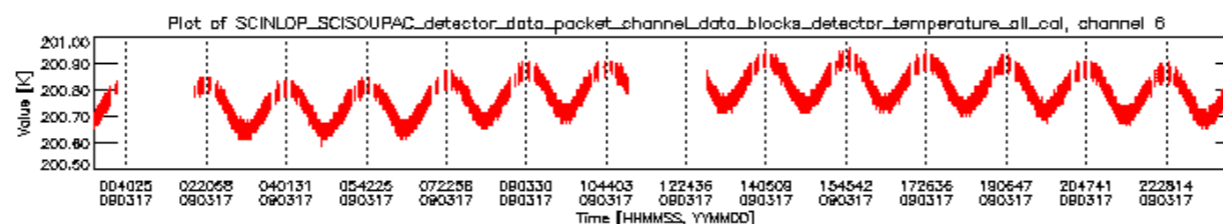
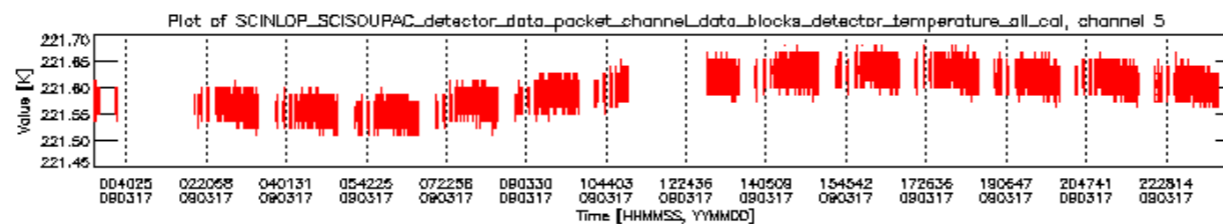
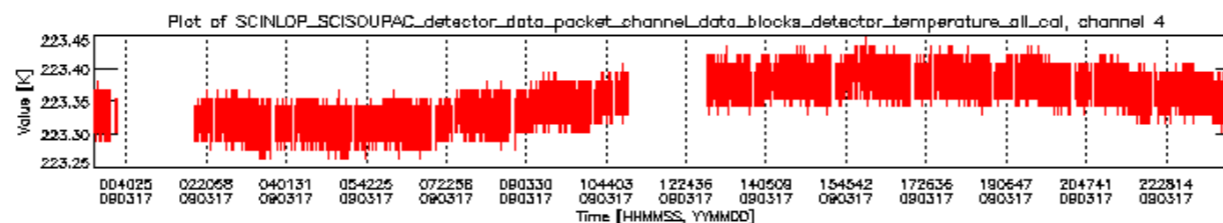
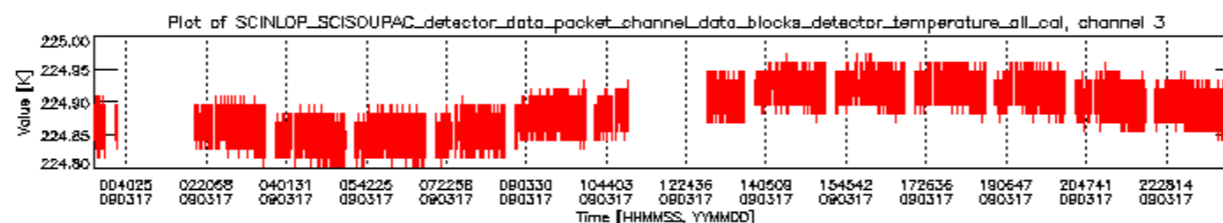
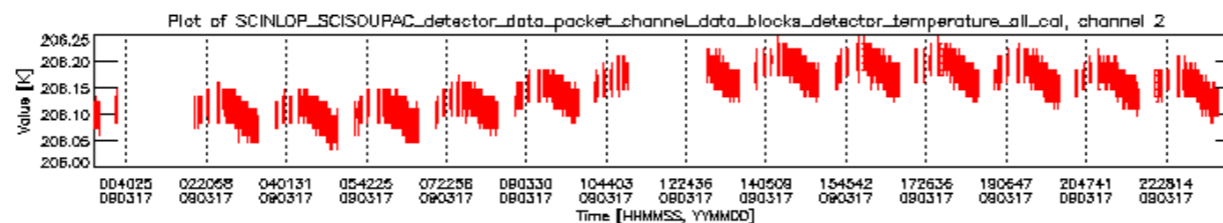
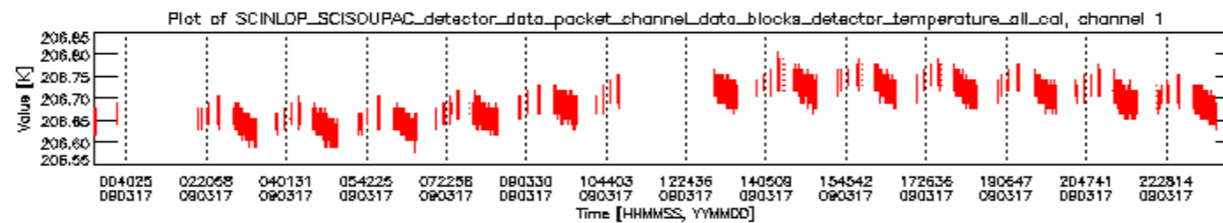




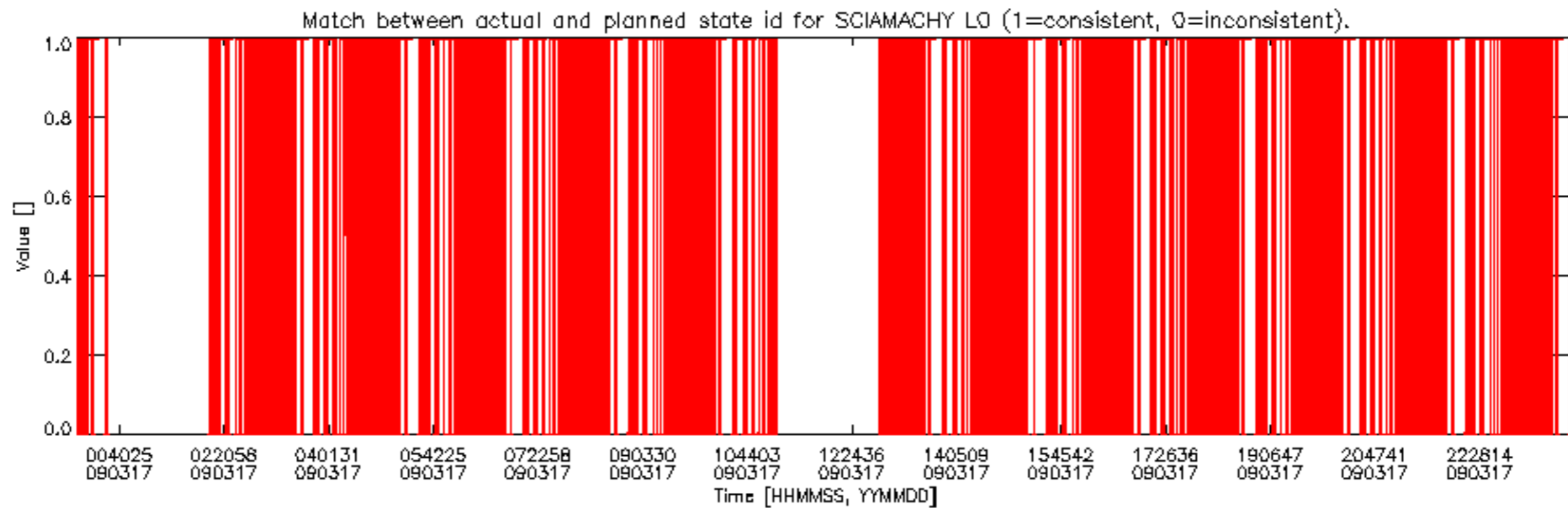
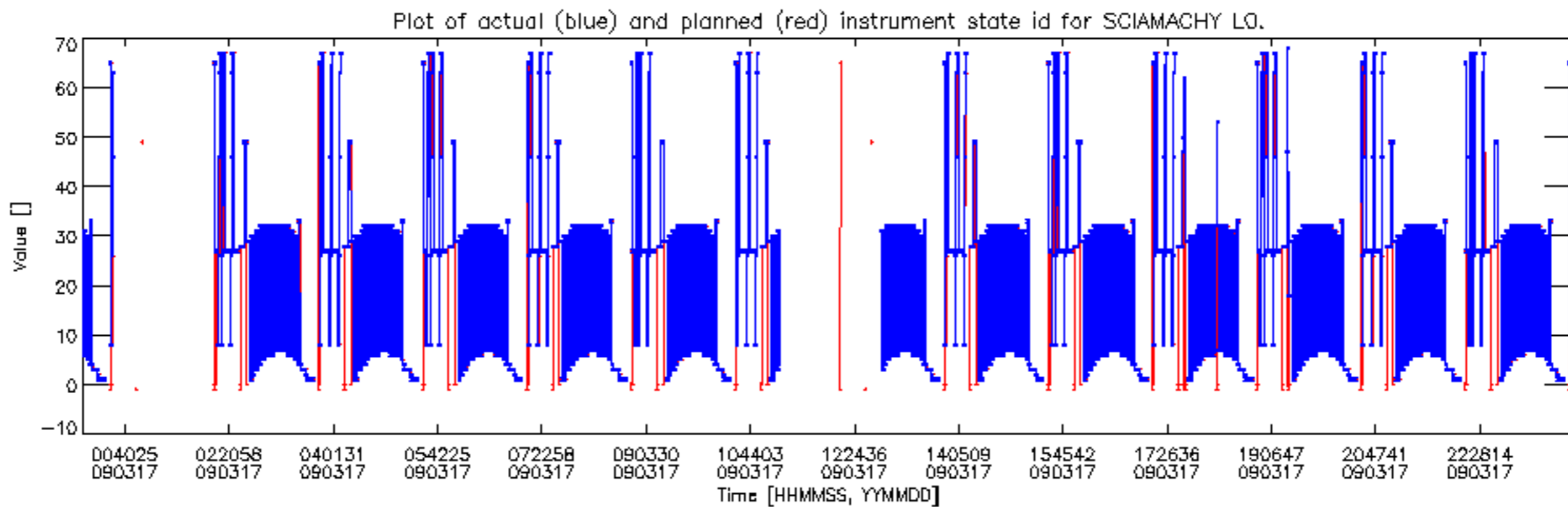












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 17MAR2009.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

