

## 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	28NOV2008 06:14:06
Data source version	KSPT_L0/4303-N
Processing scope for products	24NOV2008 00:00:00 to 25NOV2008 00:00:00
Start time of first product within scope	23NOV2008 23:37:31
Stop time of last product within scope	25NOV2008 00:46:21
Total number of level 0 products	16
Number of level 0 products with errors	0

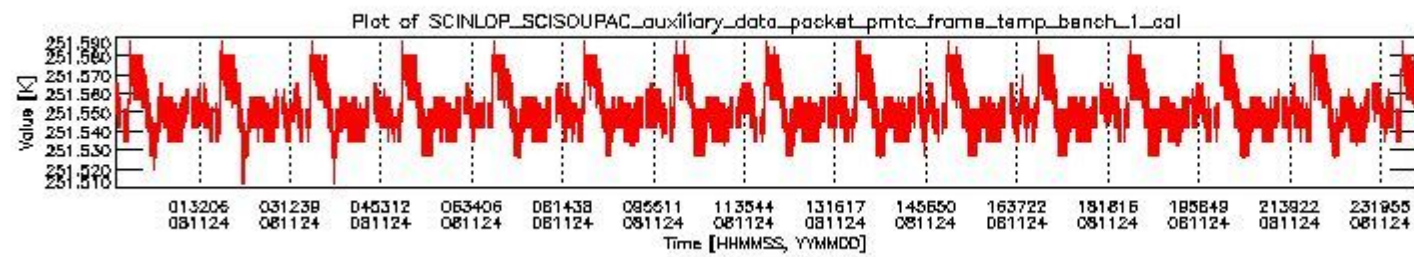
### 0.1.2 Summary per product

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

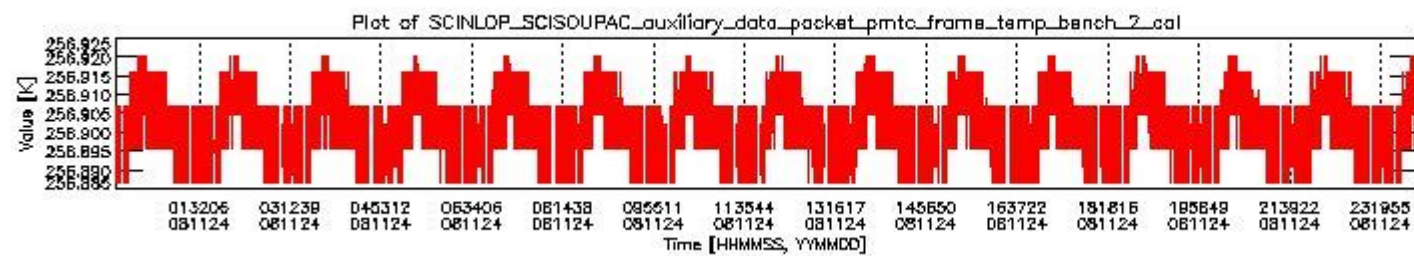
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20081123_233731_000060232074_00087_35211_7963.N1	23NOV2008 23:37:31	24NOV2008 01:17:54	0	0	0	0	0
1	SCI_NL__0PNPDE20081124_011754_000046732074_00088_35212_7964.N1	24NOV2008 01:17:54	24NOV2008 02:35:47	0	0	0	0	0
2	SCI_NL__0PNPDE20081124_023547_000058432074_00089_35213_7965.N1	24NOV2008 02:35:47	24NOV2008 04:13:10	0	0	0	0	0
3	SCI_NL__0PNPDE20081124_041310_000060492074_00090_35214_7966.N1	24NOV2008 04:13:10	24NOV2008 05:53:59	0	0	0	0	0
4	SCI_NL__0PNPDK20081124_055251_000042262074_00091_35215_0015.N1	24NOV2008 05:52:51	24NOV2008 07:03:16	0	0	0	0	0
5	SCI_NL__0PNPDK20081124_070220_000061612074_00092_35216_0016.N1	24NOV2008 07:02:20	24NOV2008 08:45:01	0	0	0	0	0
6	SCI_NL__0PNPDK20081124_084405_000058992074_00093_35217_0017.N1	24NOV2008 08:44:05	24NOV2008 10:22:24	0	0	0	0	0
7	SCI_NL__0PNPDK20081124_102224_000059242074_00094_35218_0018.N1	24NOV2008 10:22:24	24NOV2008 12:01:08	0	0	0	0	0
8	SCI_NL__0PNPDK20081124_115917_000061482074_00095_35219_0019.N1	24NOV2008 11:59:17	24NOV2008 13:41:45	0	0	0	0	0
9	SCI_NL__0PNPDK20081124_134049_000059802074_00096_35220_0020.N1	24NOV2008 13:40:49	24NOV2008 15:20:29	0	0	0	0	0
10	SCI_NL__0PNPDK20081124_151811_000060362074_00097_35221_0021.N1	24NOV2008 15:18:11	24NOV2008 16:58:47	0	0	0	0	0
11	SCI_NL__0PNPDK20081124_165751_000055792074_00098_35222_0022.N1	24NOV2008 16:57:51	24NOV2008 18:30:50	0	0	0	0	0
12	SCI_NL__0PNPDK20081124_183539_000057862074_00099_35223_0023.N1	24NOV2008 18:35:39	24NOV2008 20:12:05	0	0	0	0	0
13	SCI_NL__0PNPDE20081124_201615_000041552074_00100_35224_7967.N1	24NOV2008 20:16:15	24NOV2008 21:25:30	0	0	0	0	0
14	SCI_NL__0PNPDE20081124_212421_000060962074_00100_35224_7968.N1	24NOV2008 21:24:21	24NOV2008 23:05:58	0	0	0	0	0
15	SCI_NL__0PNPDE20081124_231154_000056672074_00101_35225_7969.N1	24NOV2008 23:11:54	25NOV2008 00:46:21	0	0	0	0	0

## 0.2 Product Quality Indicators

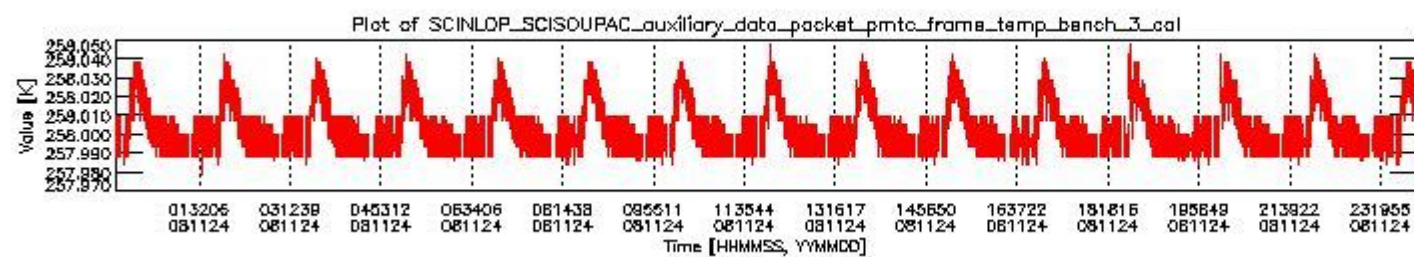
This section shows information about product quality, currently temperatures.



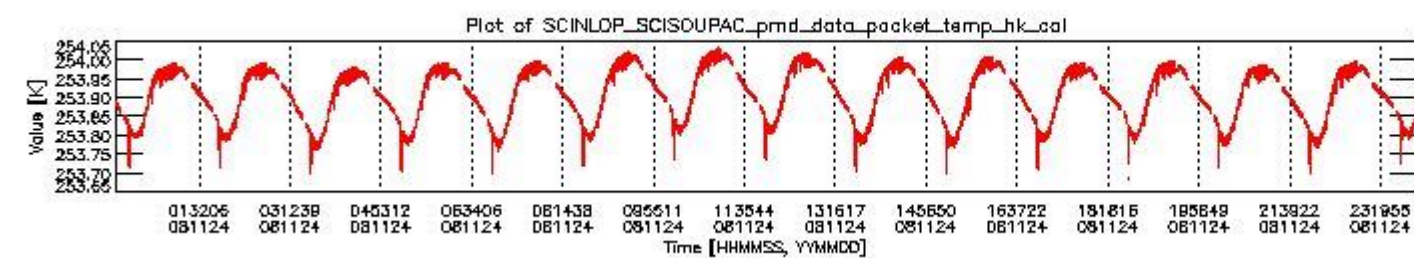
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081124\_0.PNG



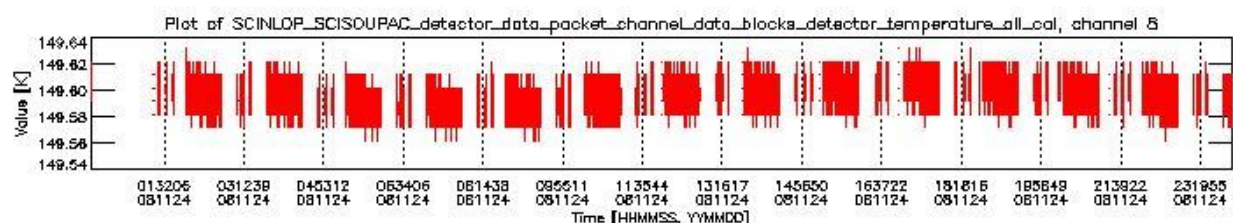
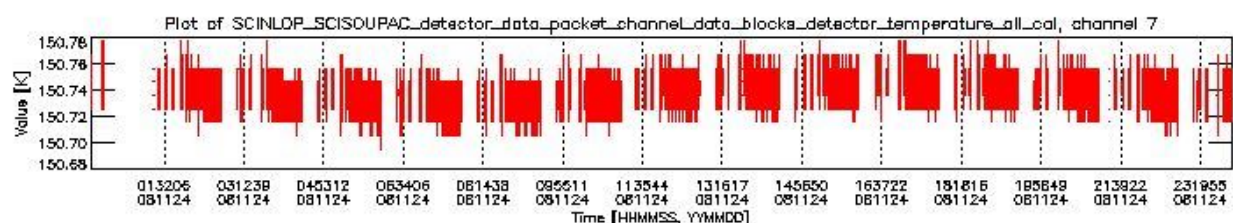
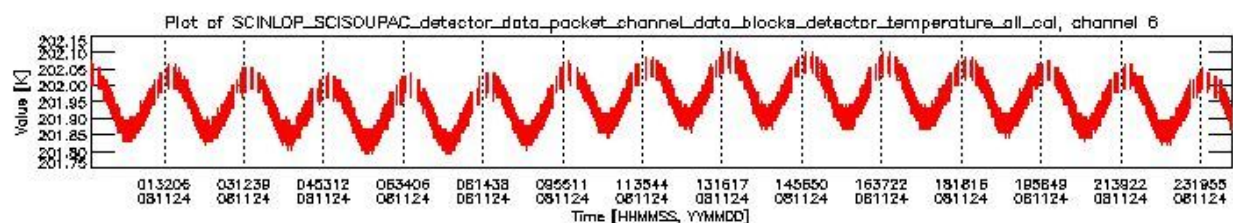
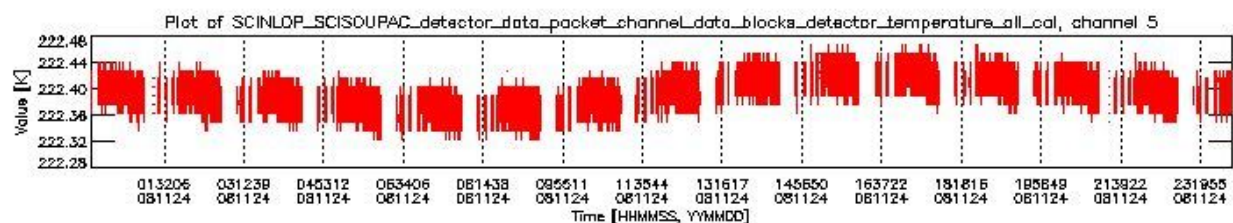
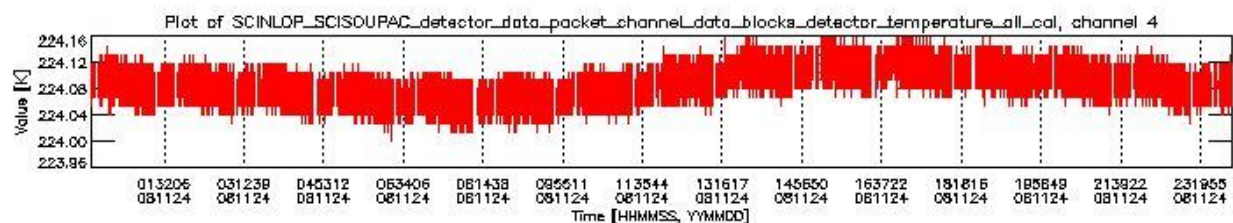
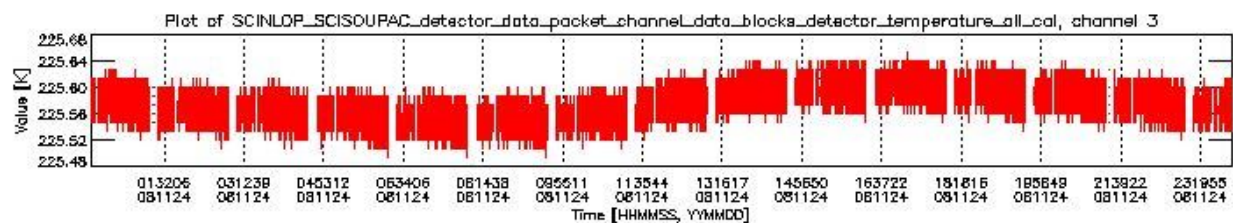
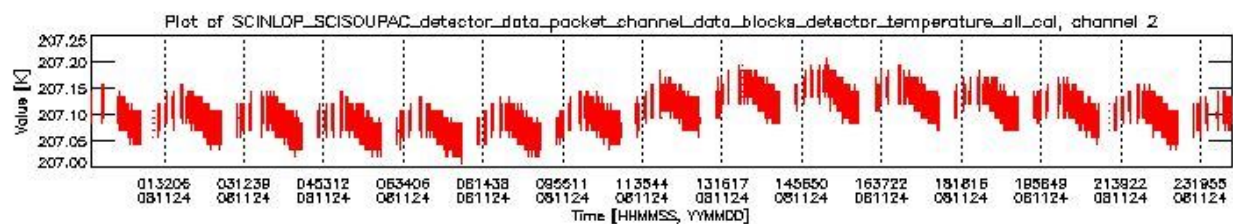
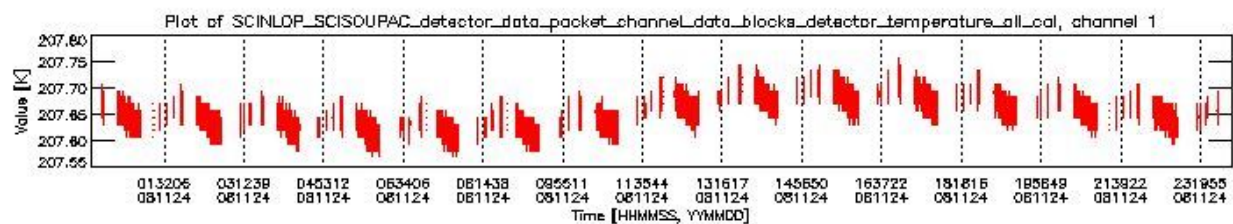
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081124\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081124\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081124\_3.PNG

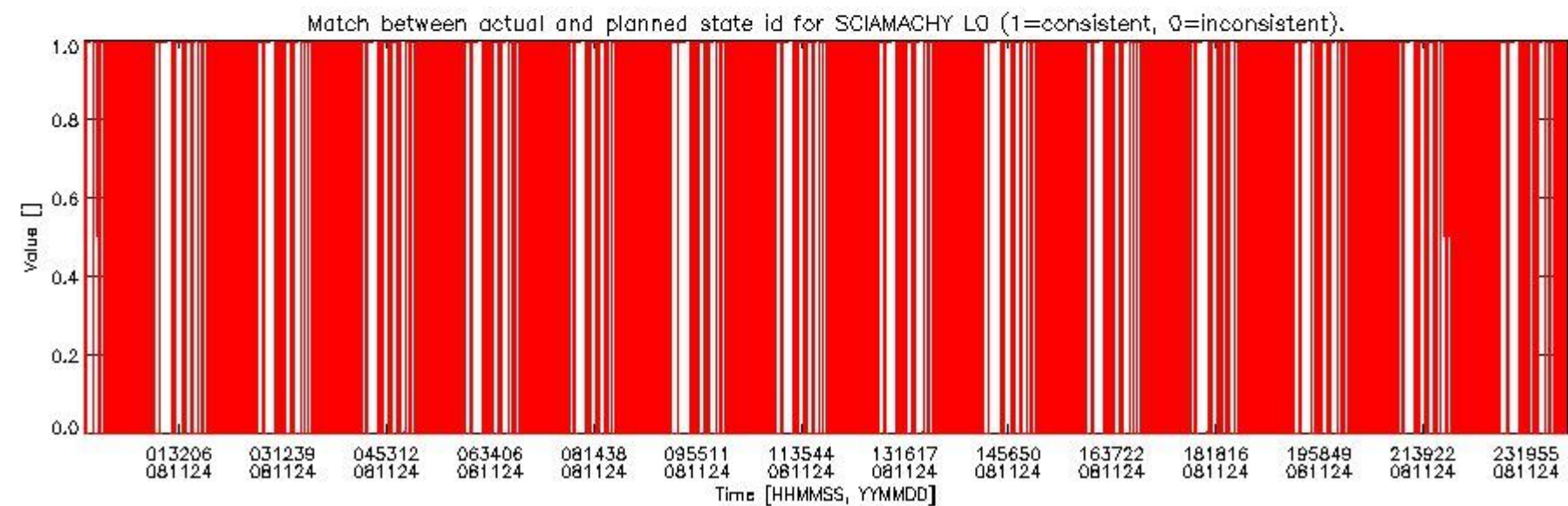
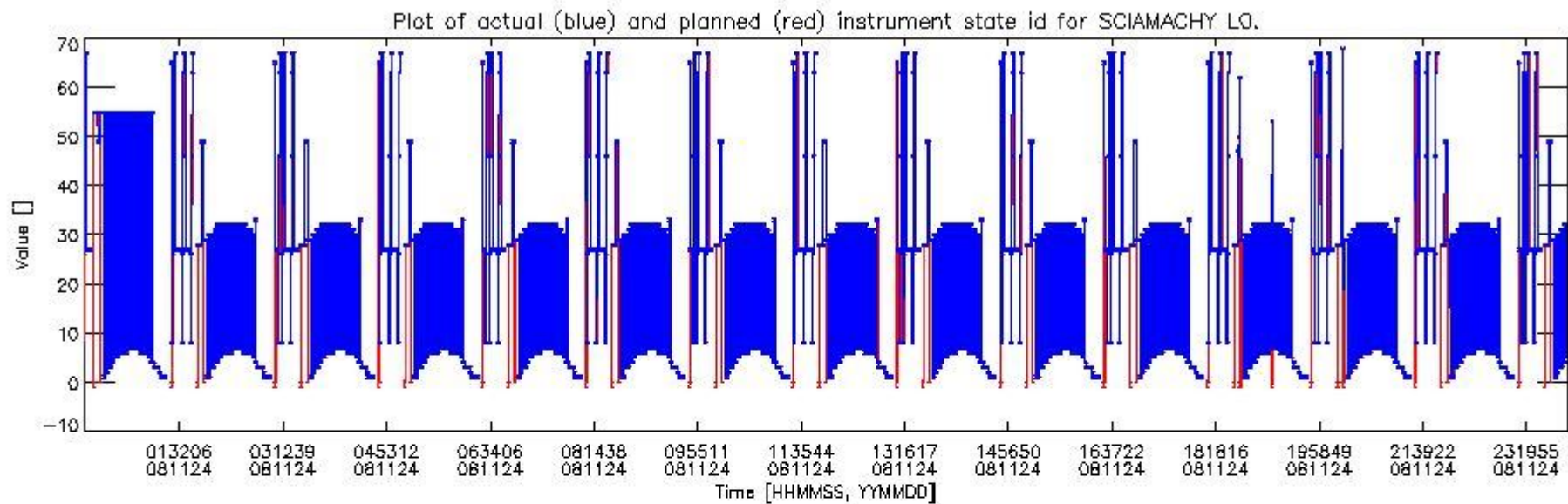


### 0.3 State monitoring

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: **55095**

#	Actual time	Actual value	Planned time	Planned value
0	24NOV2008 00:00:00.243692	63	24NOV2008 00:00:00.243692	46
1	24NOV2008 00:00:00.743710	63	24NOV2008 00:00:00.743710	46
2	24NOV2008 00:00:01.243687	63	24NOV2008 00:00:01.243687	46
3	24NOV2008 00:00:01.743704	63	24NOV2008 00:00:01.743704	46
4	24NOV2008 00:00:02.243721	63	24NOV2008 00:00:02.243721	46
5	24NOV2008 00:00:02.618694	63	24NOV2008 00:00:02.618694	46
6	24NOV2008 00:00:02.743699	63	24NOV2008 00:00:02.743699	46
7	24NOV2008 00:00:03.243716	63	24NOV2008 00:00:03.243716	46
8	24NOV2008 00:00:03.743693	63	24NOV2008 00:00:03.743693	46
9	24NOV2008 00:00:04.243711	63	24NOV2008 00:00:04.243711	46
10	24NOV2008 00:00:04.743688	63	24NOV2008 00:00:04.743688	46
11	24NOV2008 00:00:05.243705	63	24NOV2008 00:00:05.243705	46
12	24NOV2008 00:00:05.743723	63	24NOV2008 00:00:05.743723	46
13	24NOV2008 00:00:06.243700	63	24NOV2008 00:00:06.243700	46
14	24NOV2008 00:00:06.743717	63	24NOV2008 00:00:06.743717	46
15	24NOV2008 00:00:07.243694	63	24NOV2008 00:00:07.243694	46
16	24NOV2008 00:00:07.618707	63	24NOV2008 00:00:07.618707	46
17	24NOV2008 00:00:07.743712	63	24NOV2008 00:00:07.743712	46
18	24NOV2008 00:00:08.243689	63	24NOV2008 00:00:08.243689	46
19	24NOV2008 00:00:08.743706	63	24NOV2008 00:00:08.743706	46
	...	...	...	...



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081124\_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 24NOV2008.  
 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\_20081124\_6.PNG

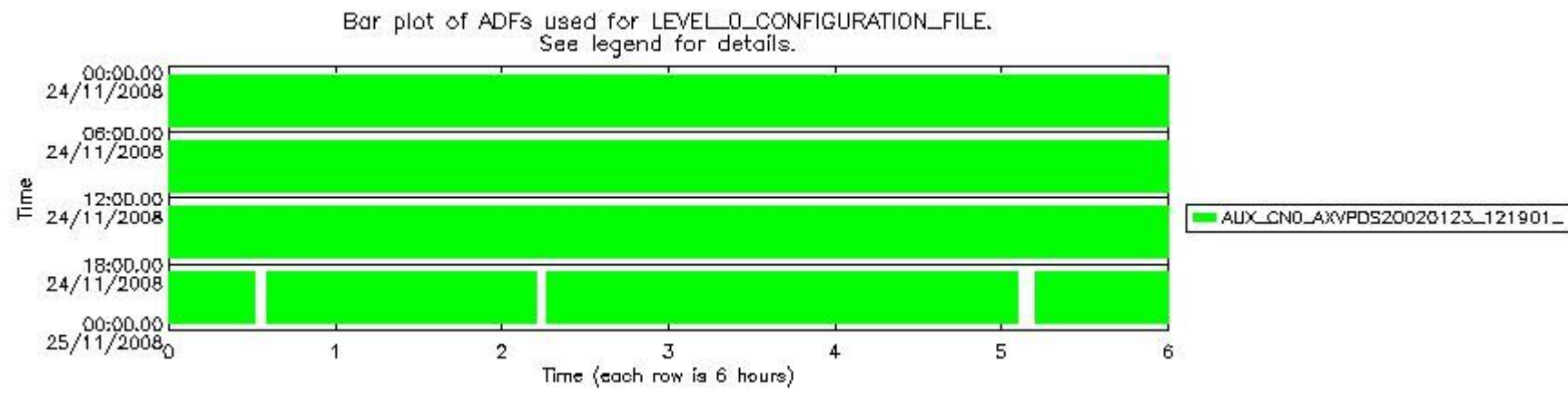
## 0.4 ADF monitoring

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

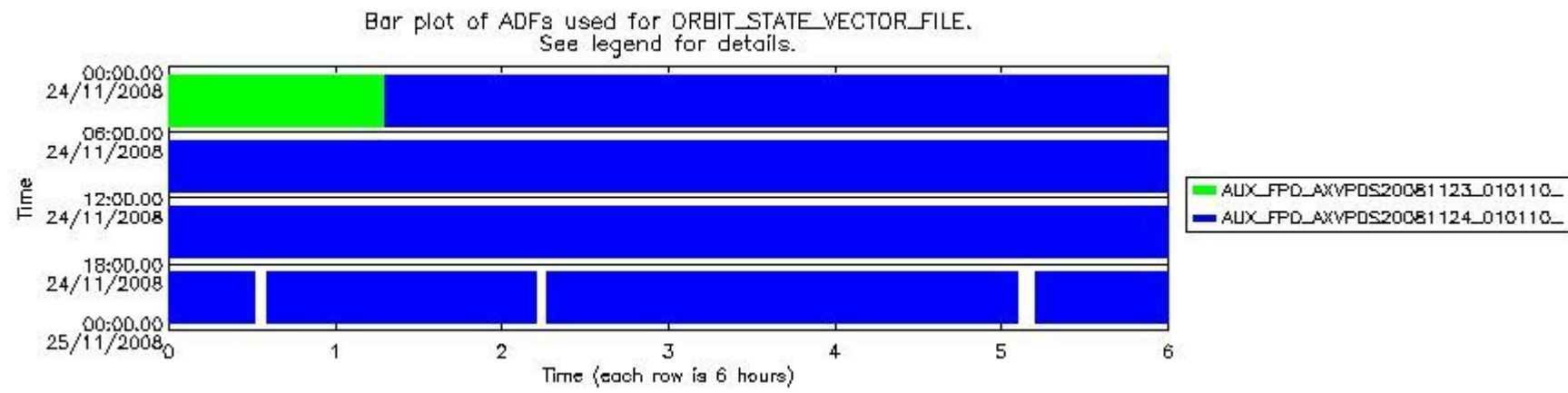
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

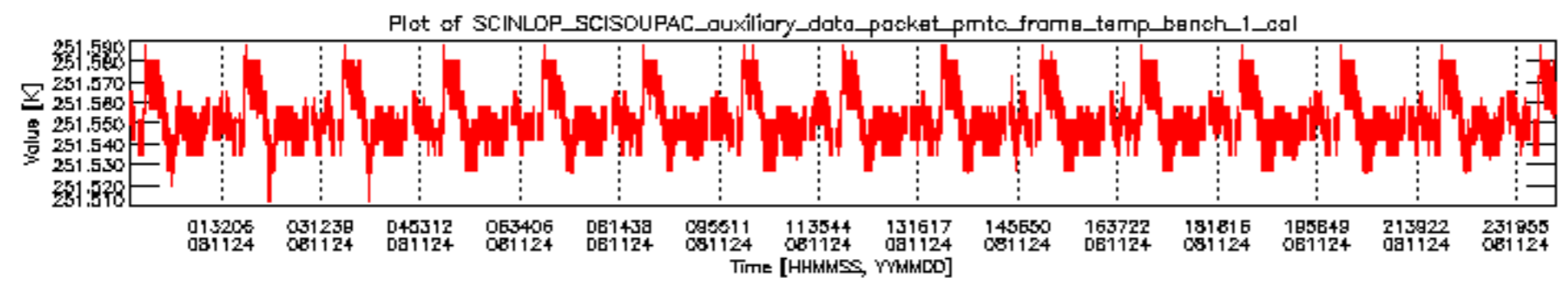
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20081123_010110_20081122_192122_20081202_204737
2	AUX_FPO_AXVPDS20081124_010110_20081123_184945_20081203_201600



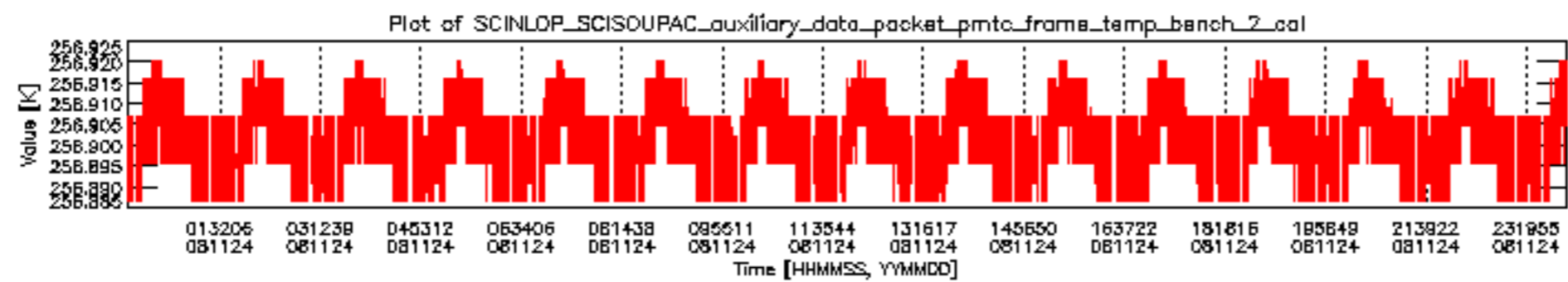
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081124\_7.PNG

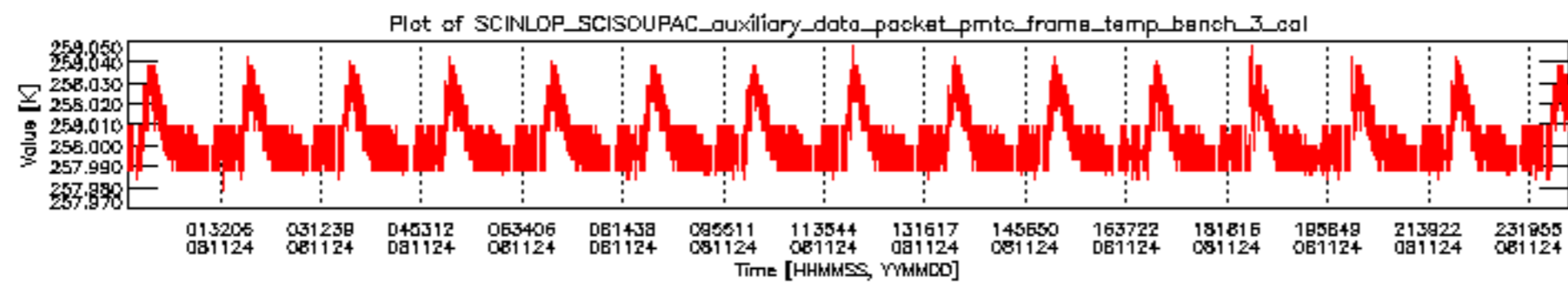


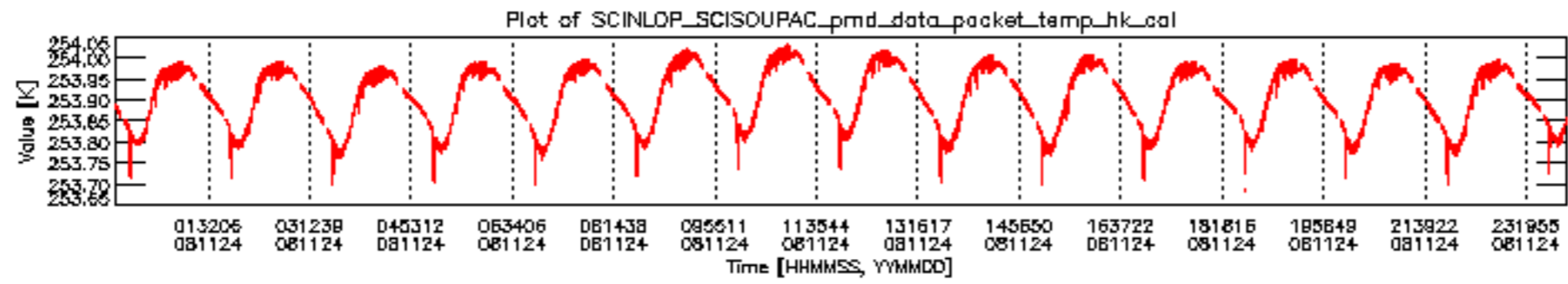
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081124\_8.PNG

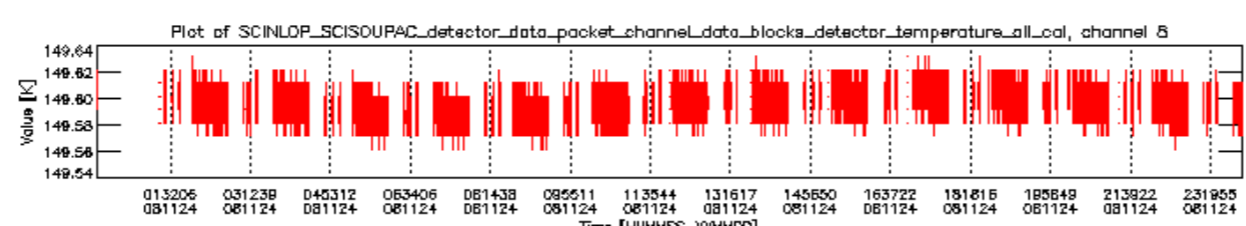
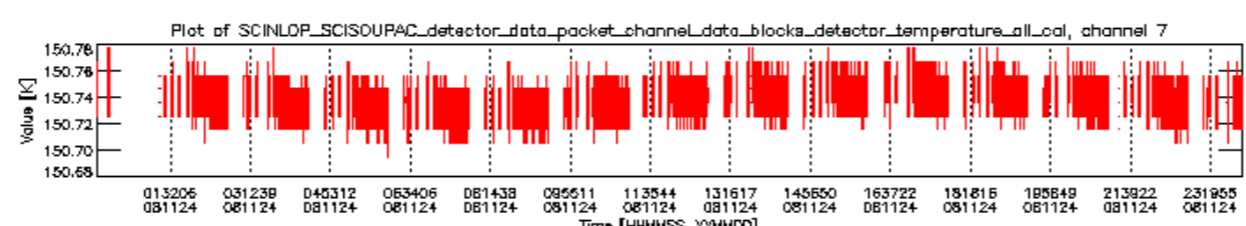
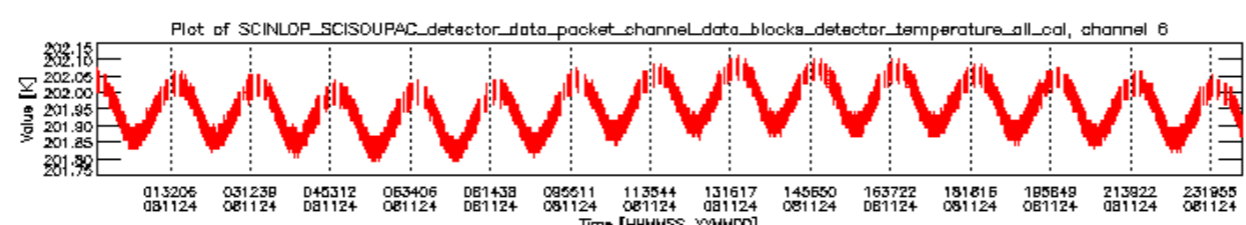
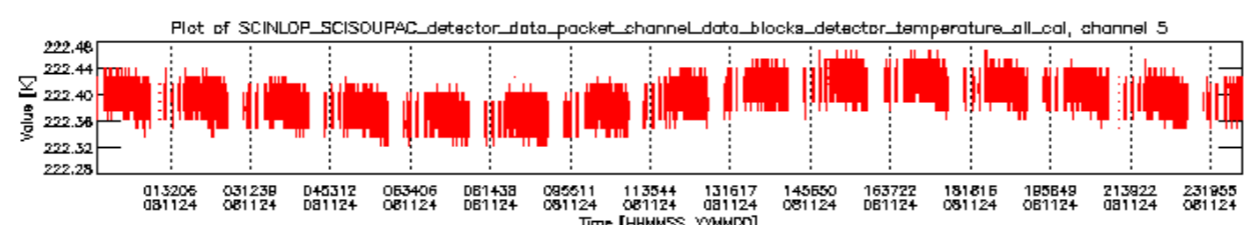
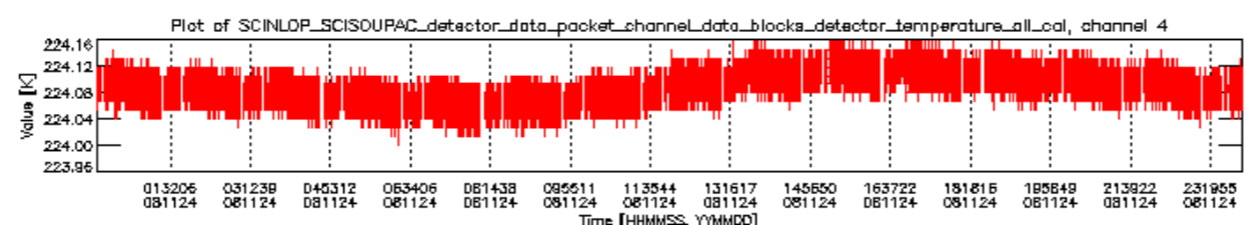
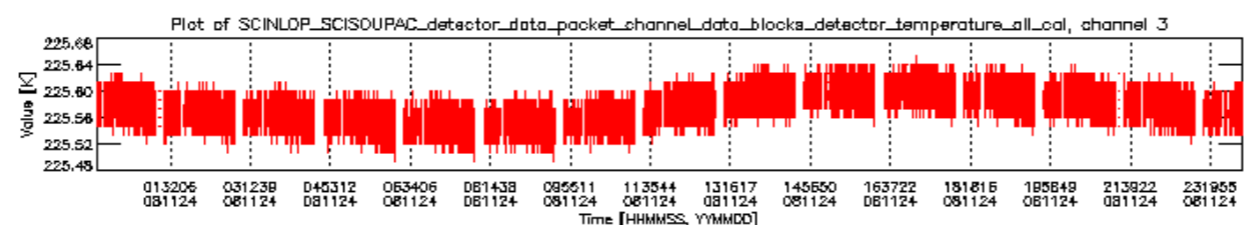
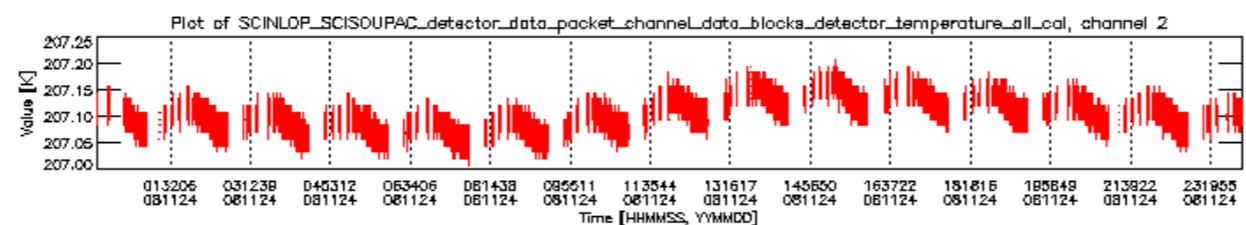
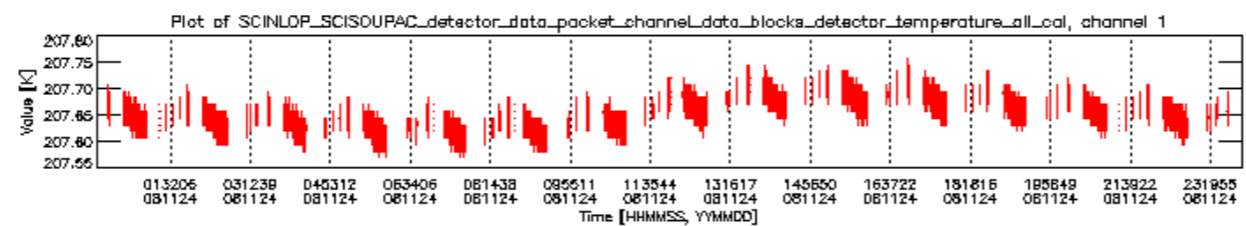


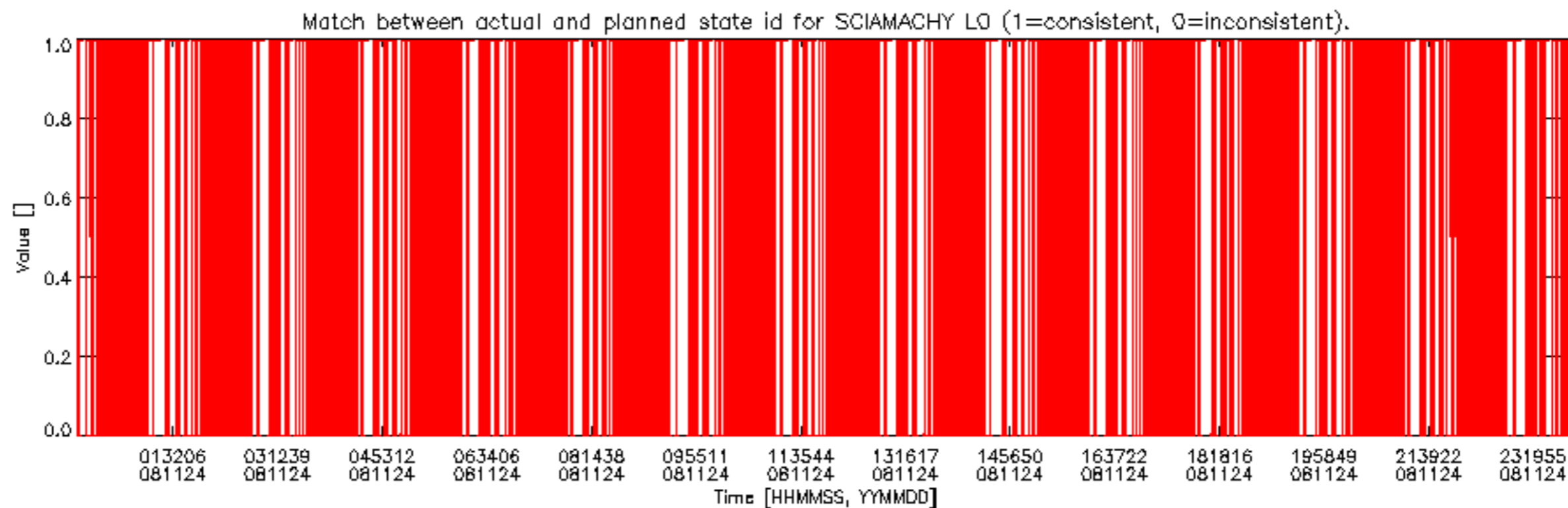
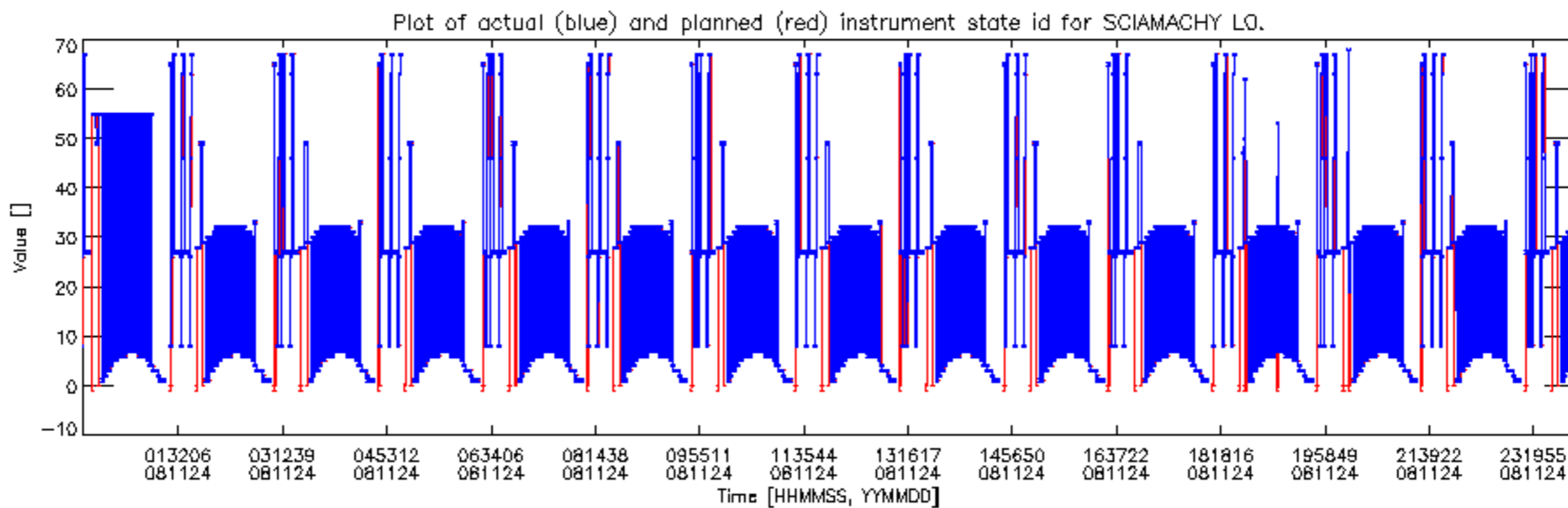












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 24NOV2008.  
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