

## 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	29OCT2008 05:39:01
Data source version	KSPT_L0/4303-N
Processing scope for products	25OCT2008 00:00:00 to 26OCT2008 00:00:00
Start time of first product within scope	24OCT2008 22:43:15
Stop time of last product within scope	26OCT2008 01:27:10
Total number of level 0 products	16
Number of level 0 products with errors	2

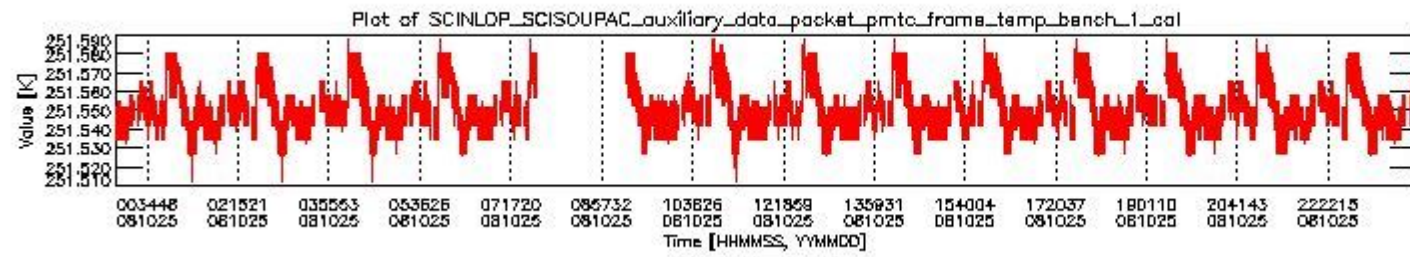
### 0.1.2 Summary per product

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

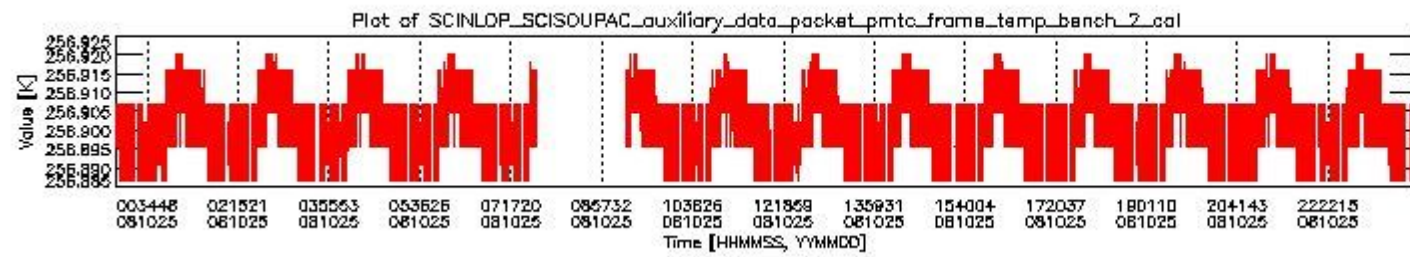
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081024_224315_000060362073_00158_34781_7774.N1	24OCT2008 22:43:15	25OCT2008 00:23:51	0	0	0	0	0
1	SCI_NL__OPNPDE20081025_002351_000056892073_00159_34782_7775.N1	25OCT2008 00:23:51	25OCT2008 01:58:41	0	0	0	0	0
2	SCI_NL__OPNPDE20081025_020428_000041892073_00160_34783_7776.N1	25OCT2008 02:04:28	25OCT2008 03:14:16	0	0	0	0	0
3	SCI_NL__OPNPDE20081025_031416_000061612073_00161_34784_7777.N1	25OCT2008 03:14:16	25OCT2008 04:56:57	0	0	0	0	0
4	SCI_NL__OPNPDE20081025_045657_000060362073_00162_34785_7778.N1	25OCT2008 04:56:57	25OCT2008 06:37:34	0	0	0	0	0
5	SCI_NL__OPNPDK20081025_063734_000040462073_00163_34786_9759.N1	25OCT2008 06:37:34	25OCT2008 07:44:59	0	0	0	0	0
6	SCI_NL__OPNPDK20081025_092427_000060492073_00165_34788_9761.N1	25OCT2008 09:24:27	25OCT2008 11:05:16	0	0	0	0	0
7	SCI_NL__OPNPDK20081025_110407_000060362073_00166_34789_9762.N1	25OCT2008 11:04:07	25OCT2008 12:44:44	1	1	0	0	0
8	SCI_NL__OPNPDK20081025_124335_000061052073_00167_34790_9763.N1	25OCT2008 12:43:35	25OCT2008 14:25:20	1	1	0	0	0
9	SCI_NL__OPNPDK20081025_142424_000056622073_00168_34791_9764.N1	25OCT2008 14:24:24	25OCT2008 15:58:47	0	0	0	0	0
10	SCI_NL__OPNPDK20081025_155847_000059802073_00169_34792_9765.N1	25OCT2008 15:58:47	25OCT2008 17:38:26	0	0	0	0	0
11	SCI_NL__OPNPDK20081025_173634_000059812073_00170_34793_9766.N1	25OCT2008 17:36:34	25OCT2008 19:16:15	0	0	0	0	0
12	SCI_NL__OPNPDK20081025_191615_000061482073_00171_34794_9767.N1	25OCT2008 19:16:15	25OCT2008 20:58:43	0	0	0	0	0
13	SCI_NL__OPNPDE20081025_205747_000040902073_00172_34795_7779.N1	25OCT2008 20:57:47	25OCT2008 22:05:57	0	0	0	0	0
14	SCI_NL__OPNPDE20081025_221144_000060362073_00172_34795_7780.N1	25OCT2008 22:11:44	25OCT2008 23:52:21	0	0	0	0	0
15	SCI_NL__OPNPDE20081025_235221_000056892073_00173_34796_7781.N1	25OCT2008 23:52:21	26OCT2008 01:27:10	0	0	0	0	0

## 0.2 Product Quality Indicators

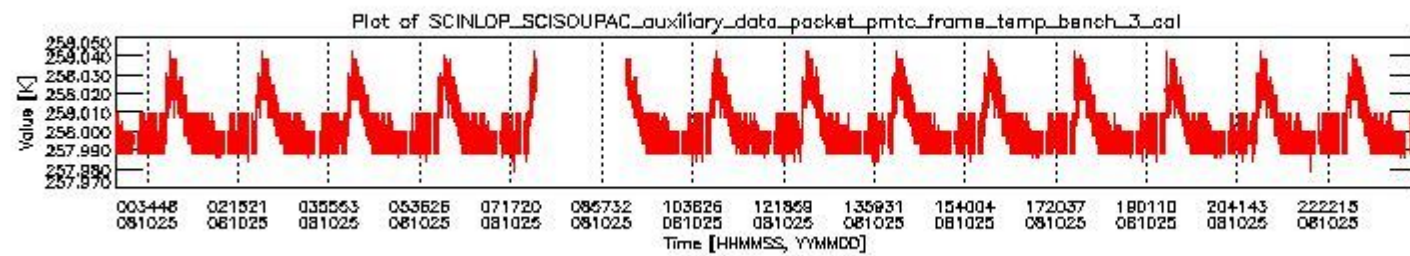
This section shows information about product quality, currently temperatures.



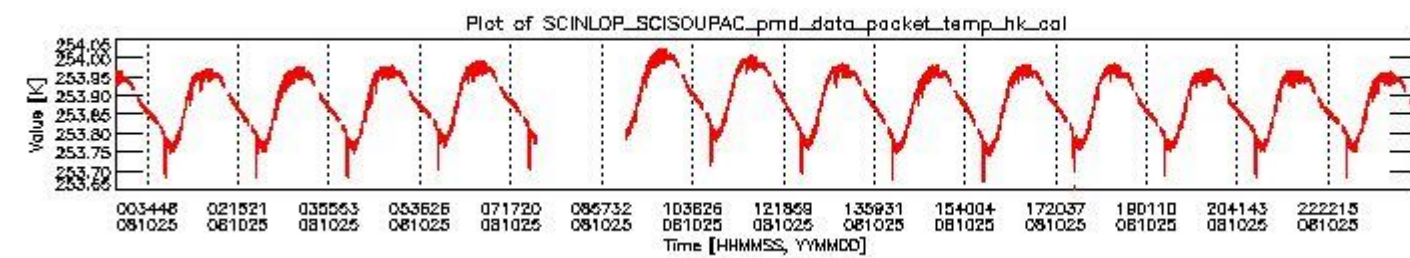
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081025\_0.PNG



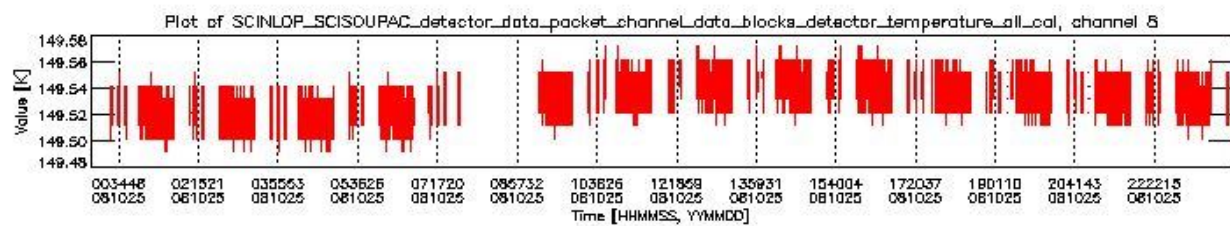
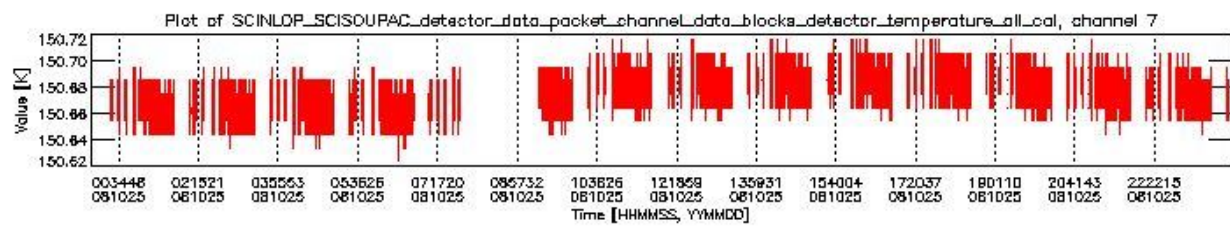
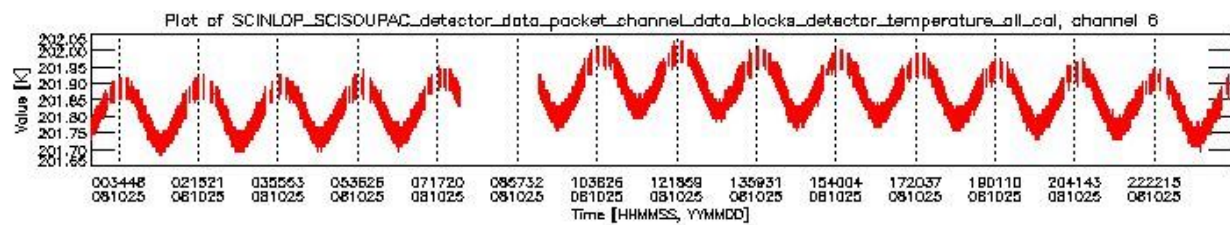
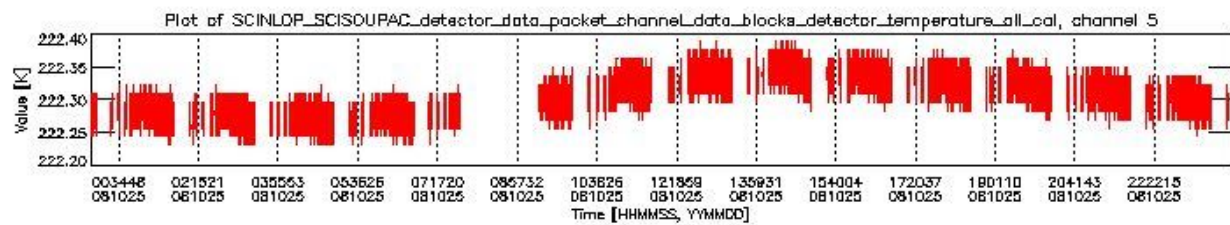
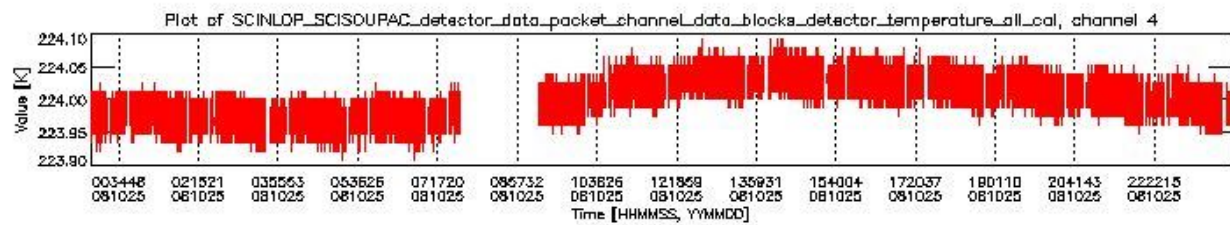
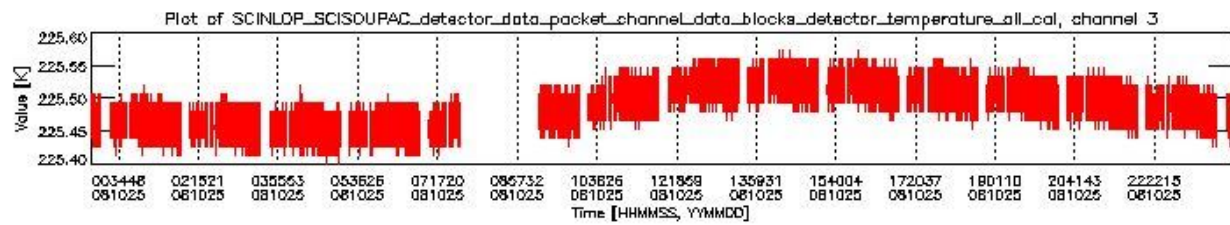
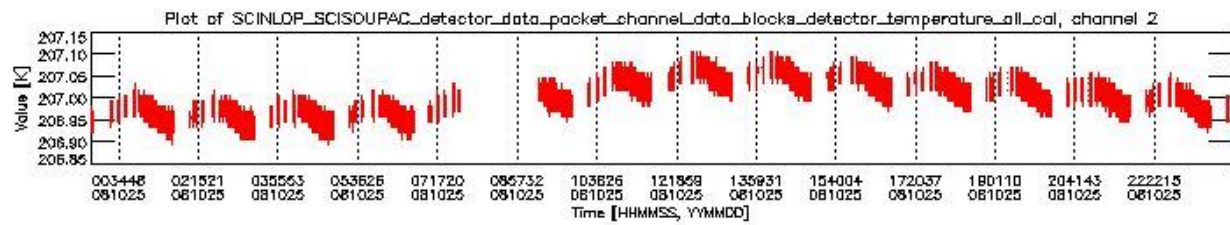
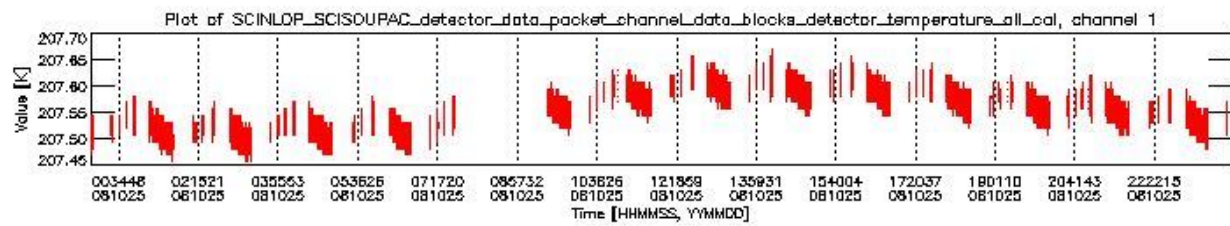
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081025\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081025\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081025\_3.PNG

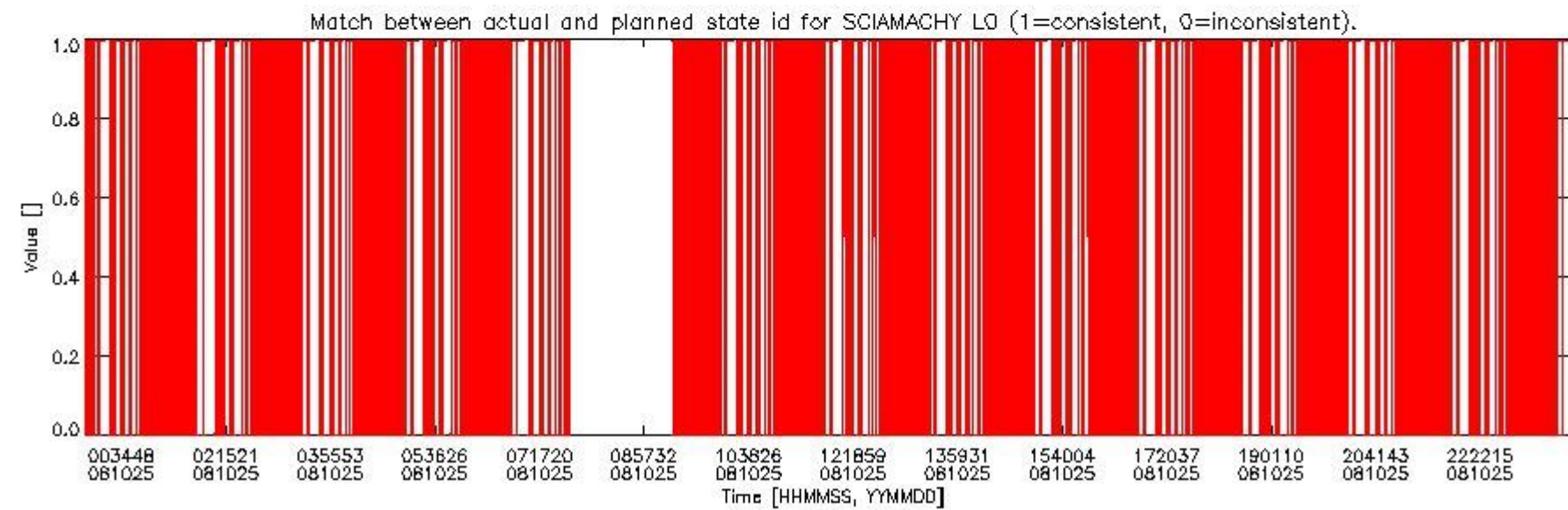
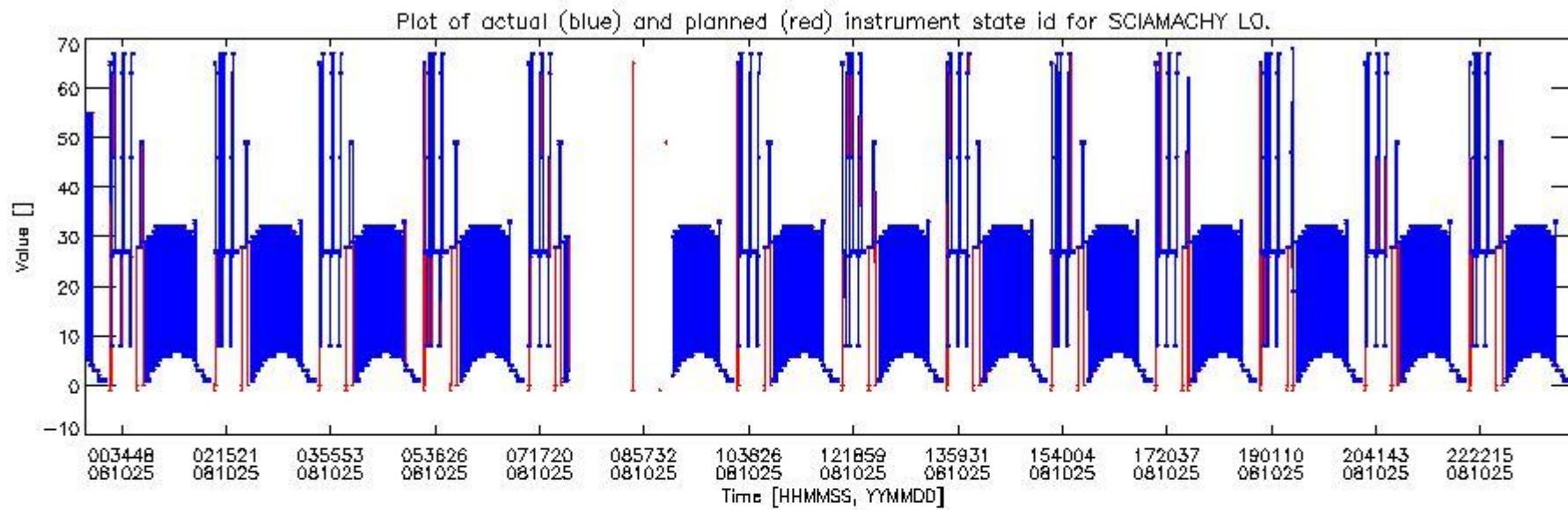


### 0.3 State monitoring

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: **45077**

#	Actual time	Actual value	Planned time	Planned value
0	25OCT2008 00:00:13.361344	6	25OCT2008 00:00:13.361344	55
1	25OCT2008 00:00:13.736357	6	25OCT2008 00:00:13.736357	55
2	25OCT2008 00:00:13.986365	6	25OCT2008 00:00:13.986365	55
3	25OCT2008 00:00:14.236374	6	25OCT2008 00:00:14.236374	55
4	25OCT2008 00:00:14.486343	6	25OCT2008 00:00:14.486343	55
5	25OCT2008 00:00:14.736351	6	25OCT2008 00:00:14.736351	55
6	25OCT2008 00:00:14.986360	6	25OCT2008 00:00:14.986360	55
7	25OCT2008 00:00:15.236369	6	25OCT2008 00:00:15.236369	55
8	25OCT2008 00:00:15.486337	6	25OCT2008 00:00:15.486337	55
9	25OCT2008 00:00:15.736346	6	25OCT2008 00:00:15.736346	55
10	25OCT2008 00:00:15.986355	6	25OCT2008 00:00:15.986355	55
11	25OCT2008 00:00:16.236363	6	25OCT2008 00:00:16.236363	55
12	25OCT2008 00:00:16.486372	6	25OCT2008 00:00:16.486372	55
13	25OCT2008 00:00:16.736341	6	25OCT2008 00:00:16.736341	55
14	25OCT2008 00:00:16.986349	6	25OCT2008 00:00:16.986349	55
15	25OCT2008 00:00:17.236358	6	25OCT2008 00:00:17.236358	55
16	25OCT2008 00:00:17.486367	6	25OCT2008 00:00:17.486367	55
17	25OCT2008 00:00:17.736375	6	25OCT2008 00:00:17.736375	55
18	25OCT2008 00:00:17.986344	6	25OCT2008 00:00:17.986344	55
19	25OCT2008 00:00:18.236353	6	25OCT2008 00:00:18.236353	55
	...	...	...	...

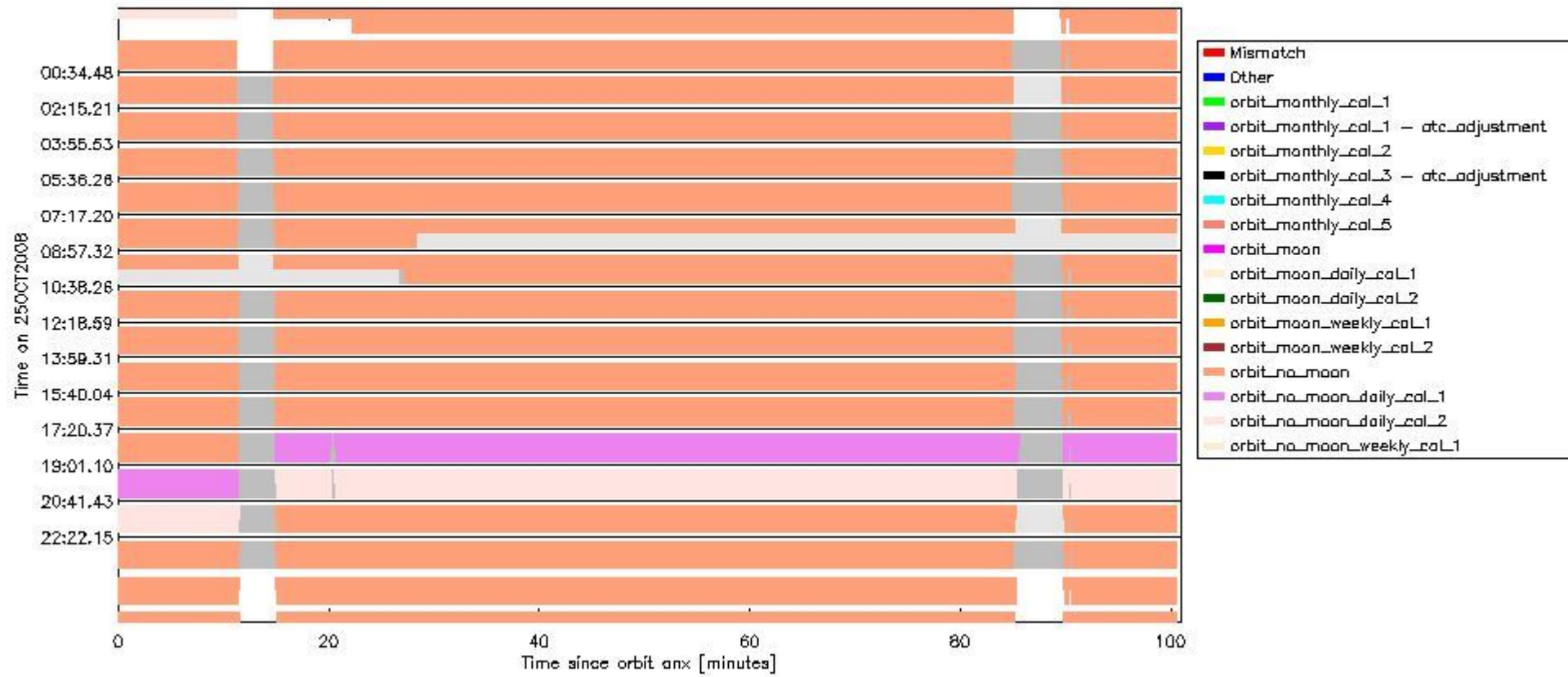


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081025\_5.PNG

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 25OCT2008.  
 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\_20081025\_6.PNG

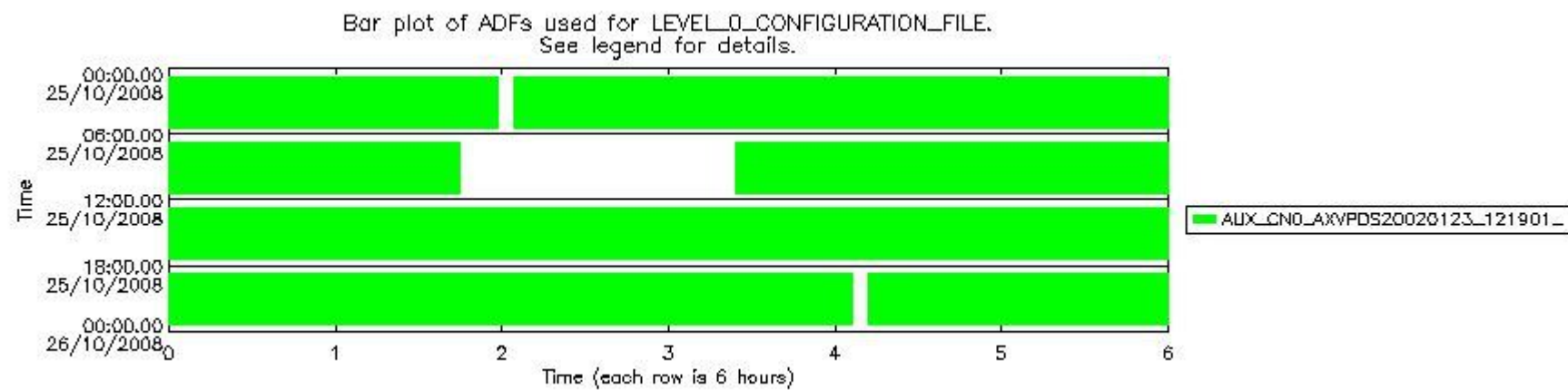
## 0.4 ADF monitoring

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

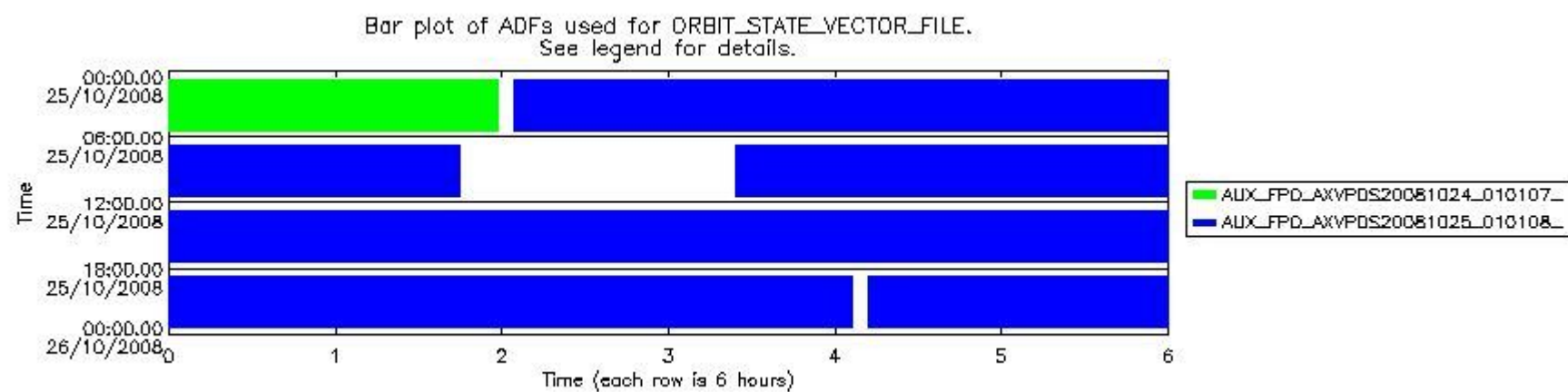
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

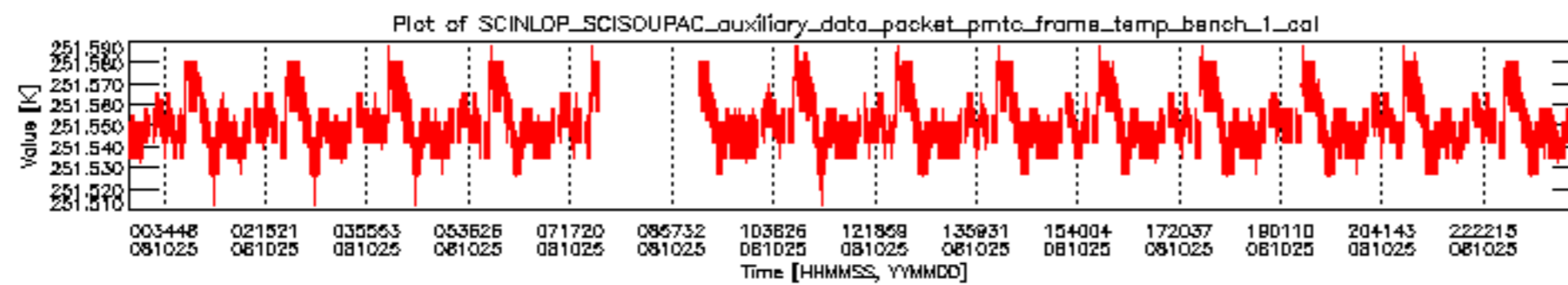
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20081024_010107_20081022_185532_20081101_202145
2	AUX_FPO_AXVPDS20081025_010108_20081024_193254_20081103_205907



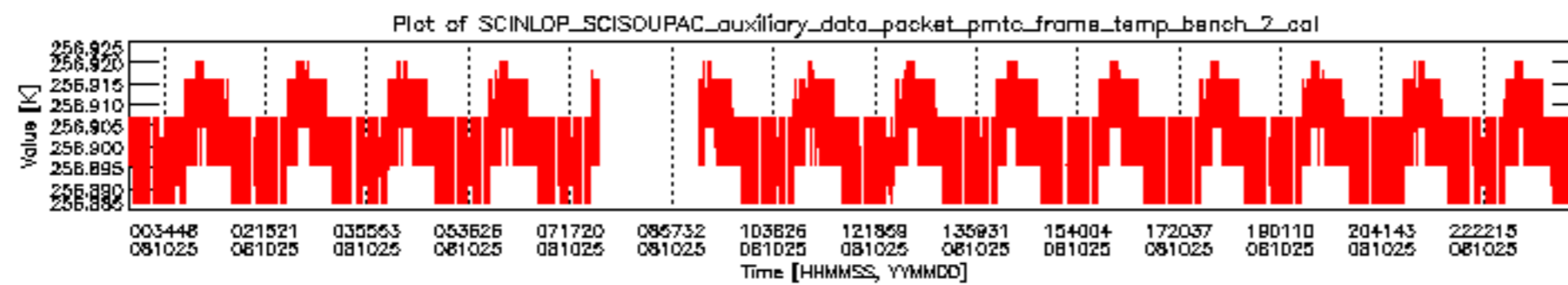
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081025\_7.PNG

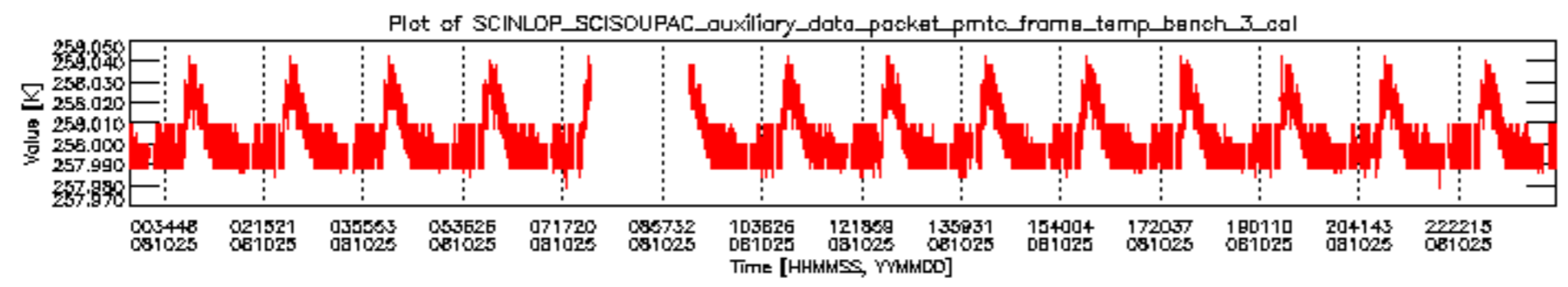


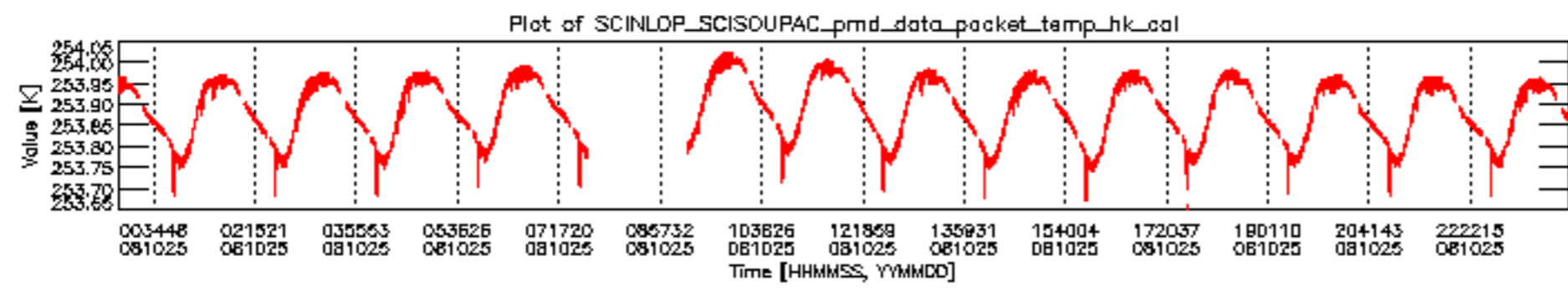
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081025\_8.PNG

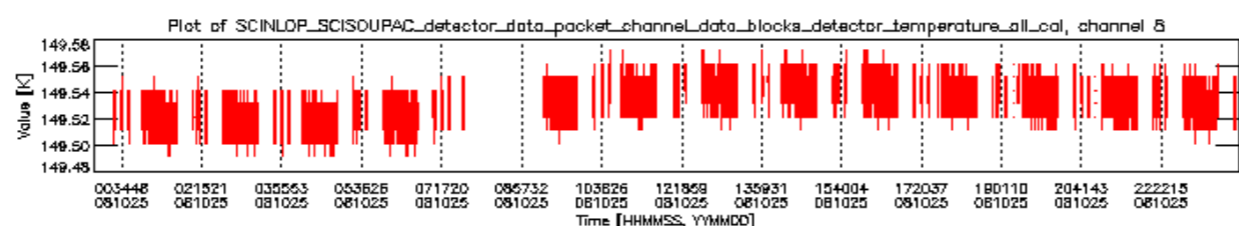
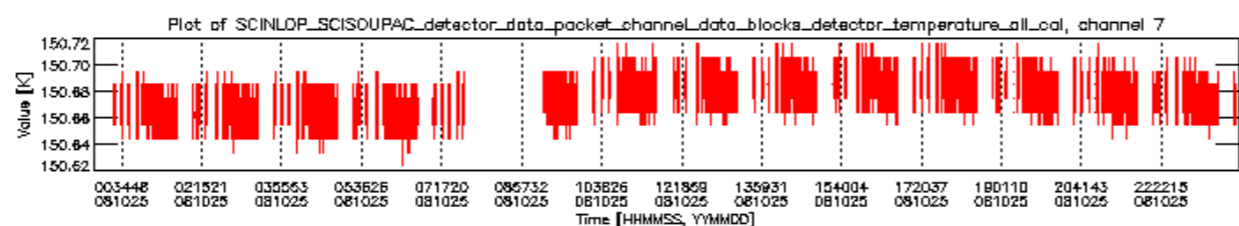
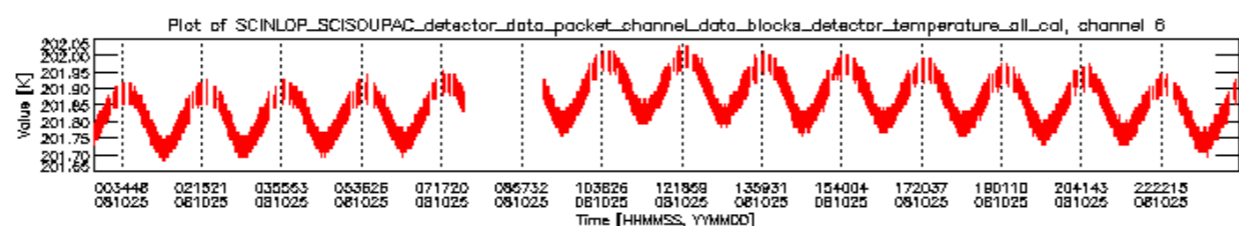
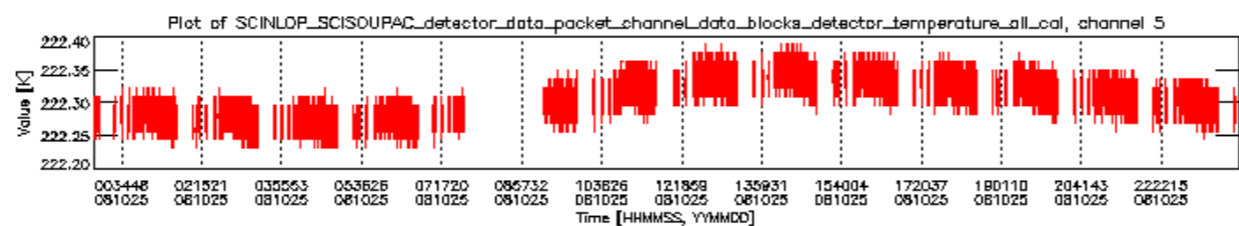
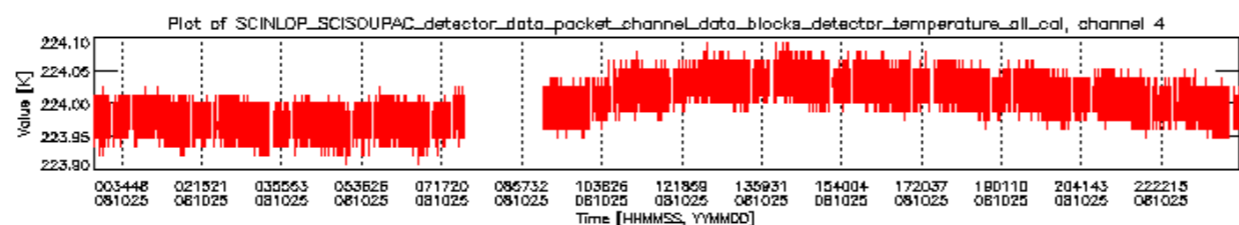
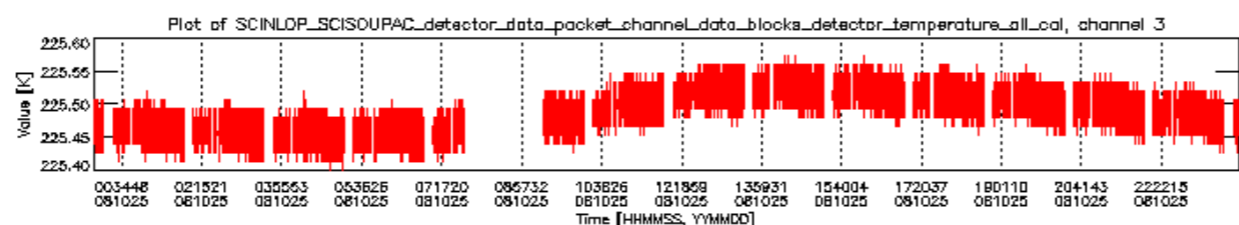
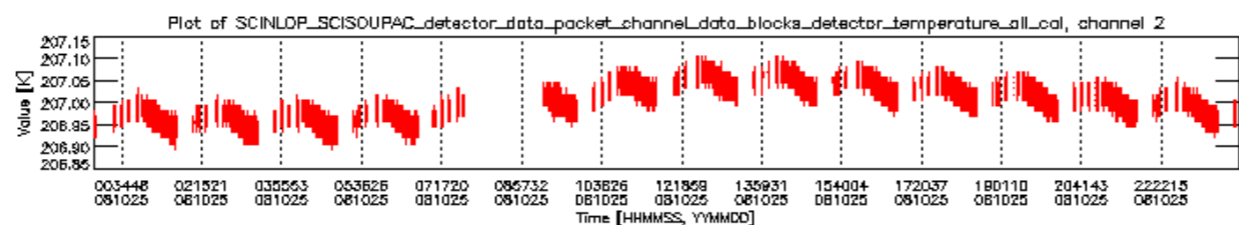
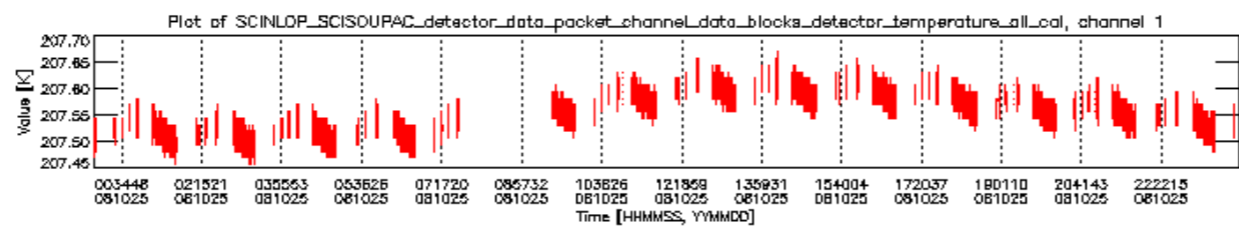


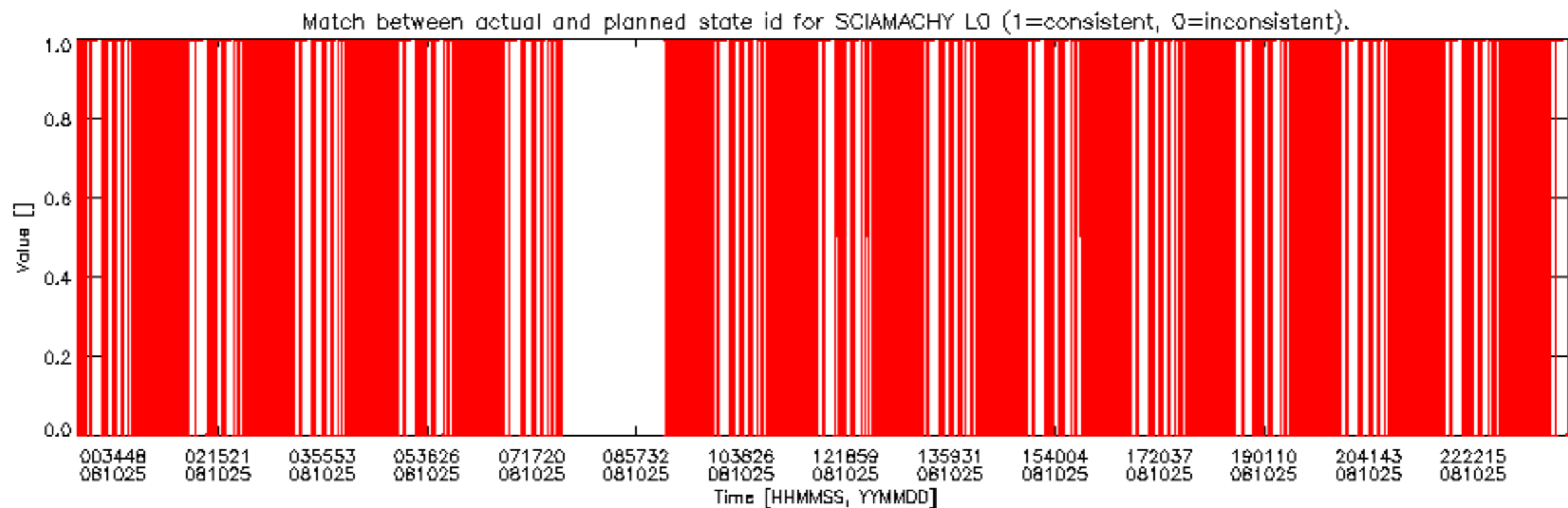
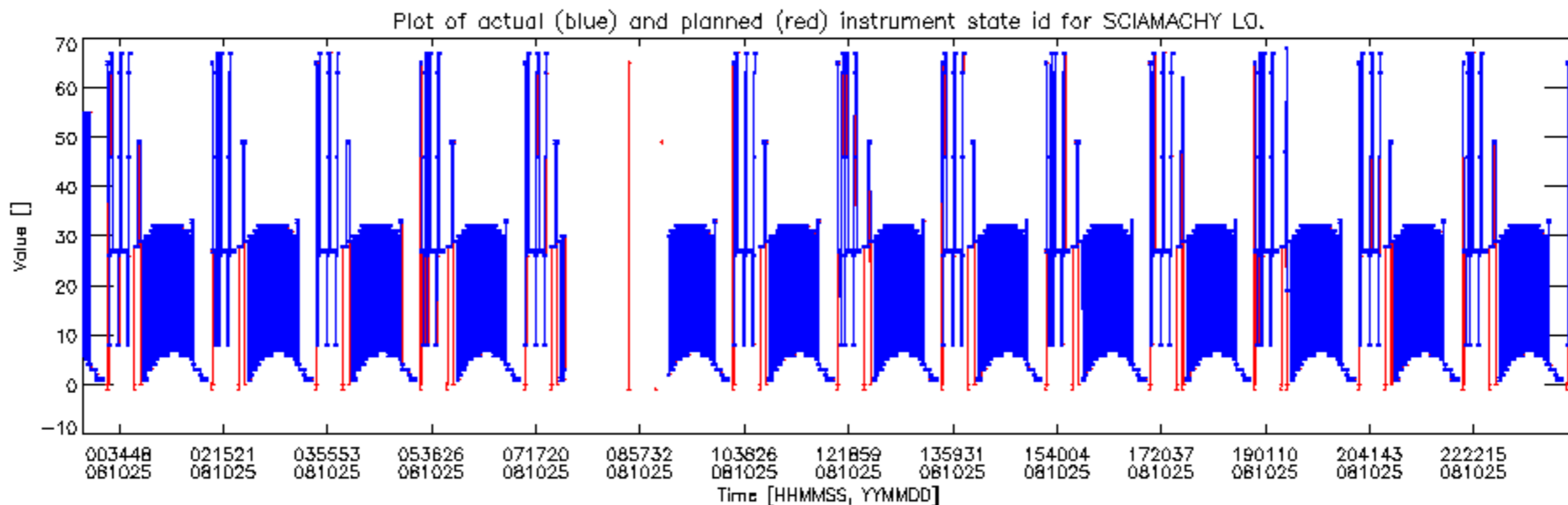












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 25OCT2008.  
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