

## 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	19NOV2007 03:38:49
Data source version	KSPT_L0/4302-N
Processing scope for products	15NOV2007 00:00:00 to 16NOV2007 00:00:00
Start time of first product within scope	14NOV2007 23:28:22
Stop time of last product within scope	16NOV2007 00:31:36
Total number of level 0 products	16
Number of level 0 products with errors	1

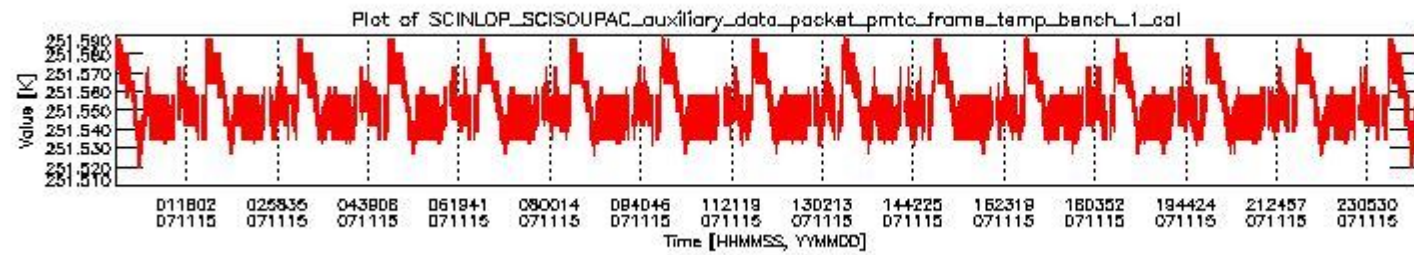
### 0.1.2 Summary per product

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

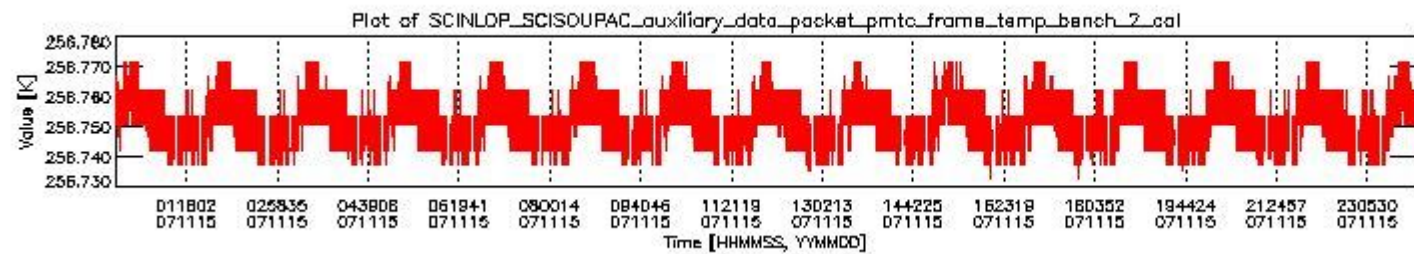
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20071114_232822_000056862063_00230_29843_5578.N1	14NOV2007 23:28:22	15NOV2007 01:03:08	0	0	0	0	0
1	SCI_NL__0PNPDE20071115_010858_000040612063_00231_29844_5579.N1	15NOV2007 01:08:58	15NOV2007 02:16:40	0	0	0	0	0
2	SCI_NL__0PNPDE20071115_021640_000061612063_00232_29845_5580.N1	15NOV2007 02:16:40	15NOV2007 03:59:20	0	0	0	0	0
3	SCI_NL__0PNPDE20071115_035920_000060362063_00233_29846_5581.N1	15NOV2007 03:59:20	15NOV2007 05:39:56	0	0	0	0	0
4	SCI_NL__0PNPDE20071115_053956_000061052063_00234_29847_5582.N1	15NOV2007 05:39:56	15NOV2007 07:21:41	0	0	0	0	0
5	SCI_NL__0PNPDK20071115_072033_000039212063_00235_29848_6637.N1	15NOV2007 07:20:33	15NOV2007 08:25:54	0	0	0	0	0
6	SCI_NL__0PNPDK20071115_082458_000061612063_00236_29849_6638.N1	15NOV2007 08:24:58	15NOV2007 10:07:38	1	0	1	0	0
7	SCI_NL__0PNPDK20071115_100630_000061612063_00237_29850_6639.N1	15NOV2007 10:06:30	15NOV2007 11:49:11	0	0	0	0	0
8	SCI_NL__0PNPDK20071115_114706_000060362063_00238_29851_6640.N1	15NOV2007 11:47:06	15NOV2007 13:27:42	0	0	0	0	0
9	SCI_NL__0PNPDK20071115_132742_000059252063_00239_29852_6641.N1	15NOV2007 13:27:42	15NOV2007 15:06:27	0	0	0	0	0
10	SCI_NL__0PNPDK20071115_150313_000059792063_00240_29853_6642.N1	15NOV2007 15:03:13	15NOV2007 16:42:52	0	0	0	0	0
11	SCI_NL__0PNPDK20071115_164101_000060362063_00241_29854_6643.N1	15NOV2007 16:41:01	15NOV2007 18:21:37	0	0	0	0	0
12	SCI_NL__0PNPDK20071115_182041_000060362063_00242_29855_6644.N1	15NOV2007 18:20:41	15NOV2007 20:01:17	0	0	0	0	0
13	SCI_NL__0PNPDE20071115_200117_000038922063_00243_29856_5583.N1	15NOV2007 20:01:17	15NOV2007 21:06:10	0	0	0	0	0
14	SCI_NL__0PNPDE20071115_210610_000062772063_00243_29856_5584.N1	15NOV2007 21:06:10	15NOV2007 22:50:47	0	0	0	0	0
15	SCI_NL__0PNPDE20071115_225650_000056862063_00244_29857_5585.N1	15NOV2007 22:56:50	16NOV2007 00:31:36	0	0	0	0	0

## 0.2 Product Quality Indicators

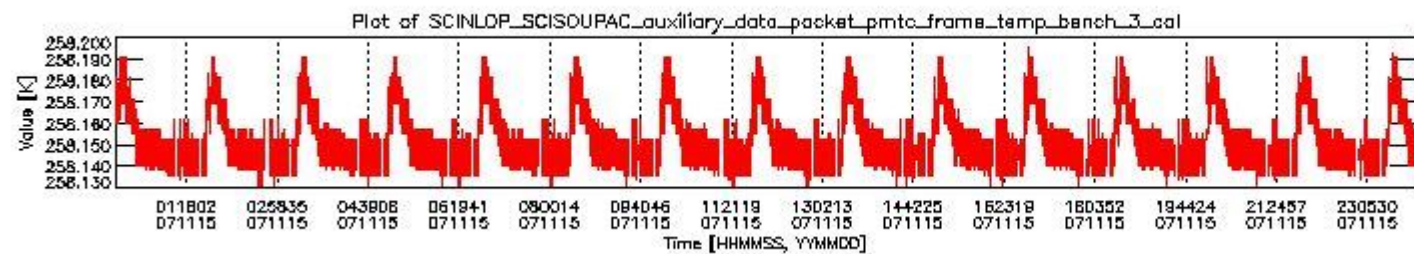
This section shows information about product quality, currently temperatures.



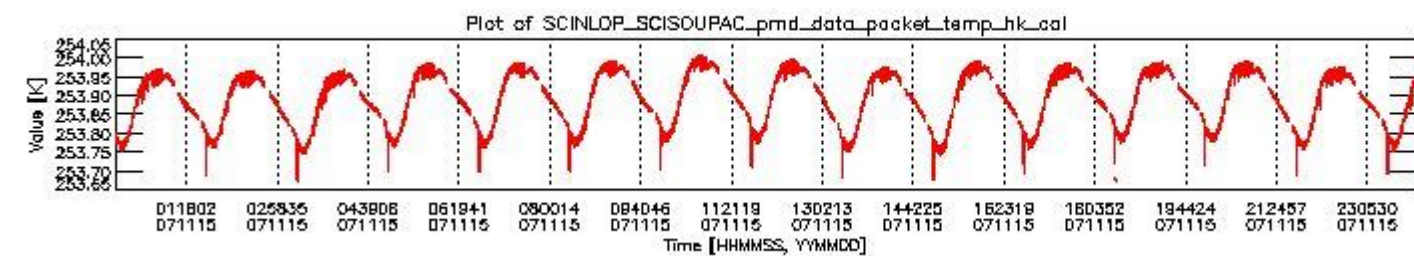
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071115\_0.PNG



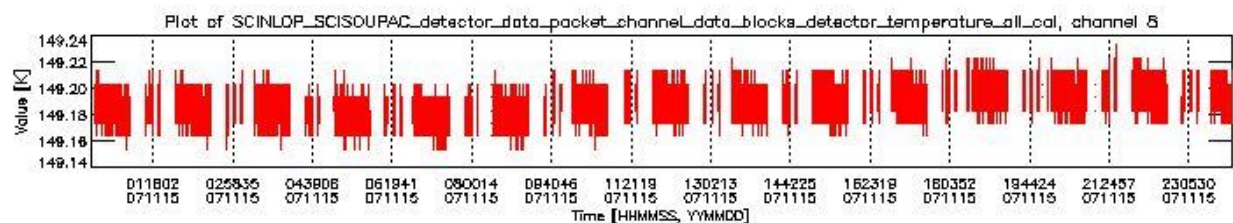
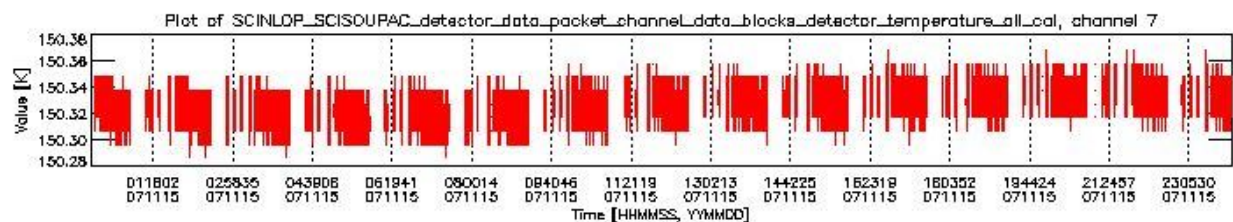
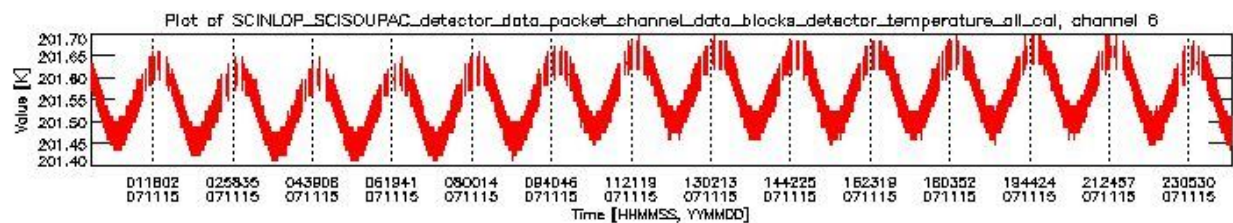
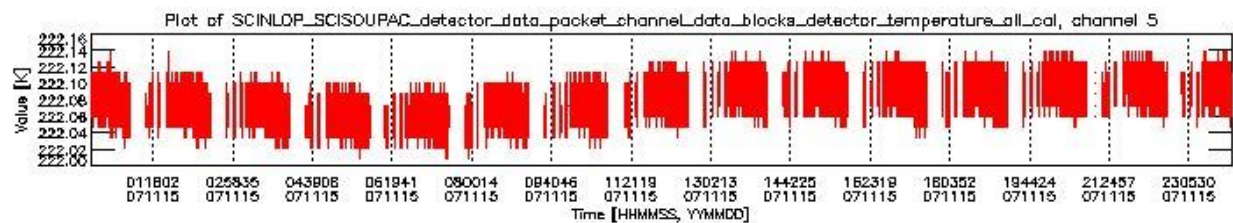
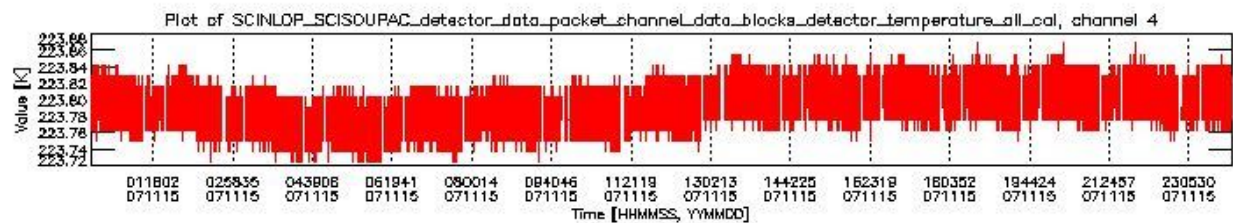
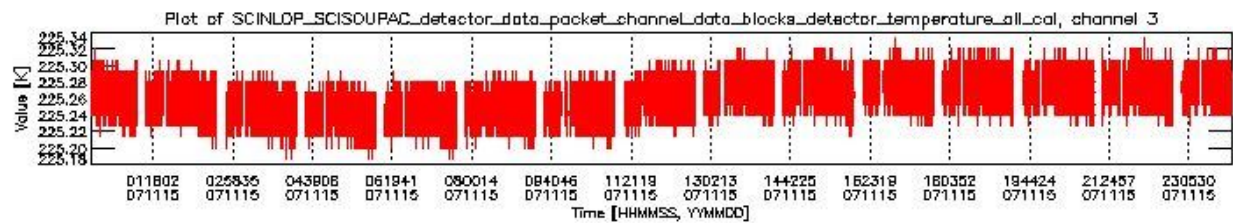
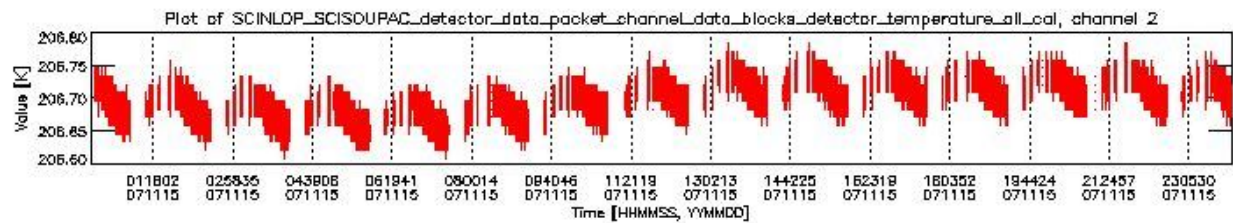
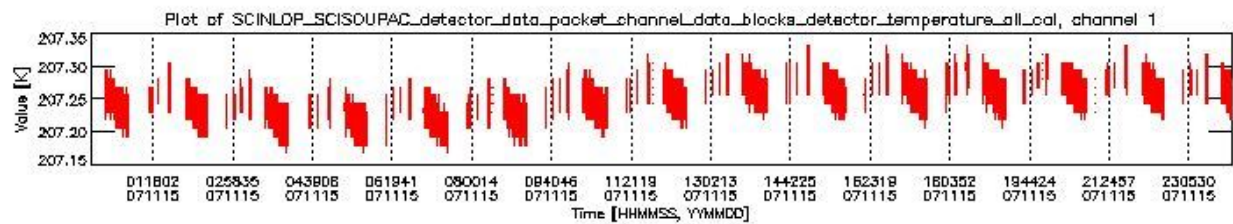
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071115\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071115\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071115\_3.PNG

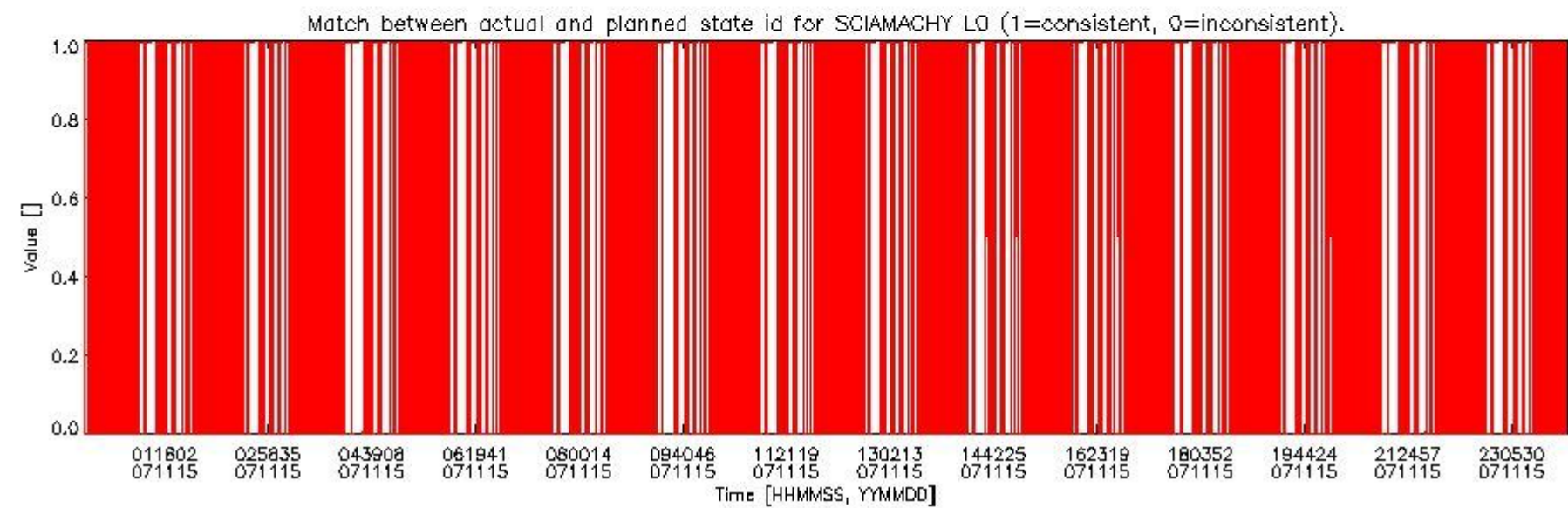
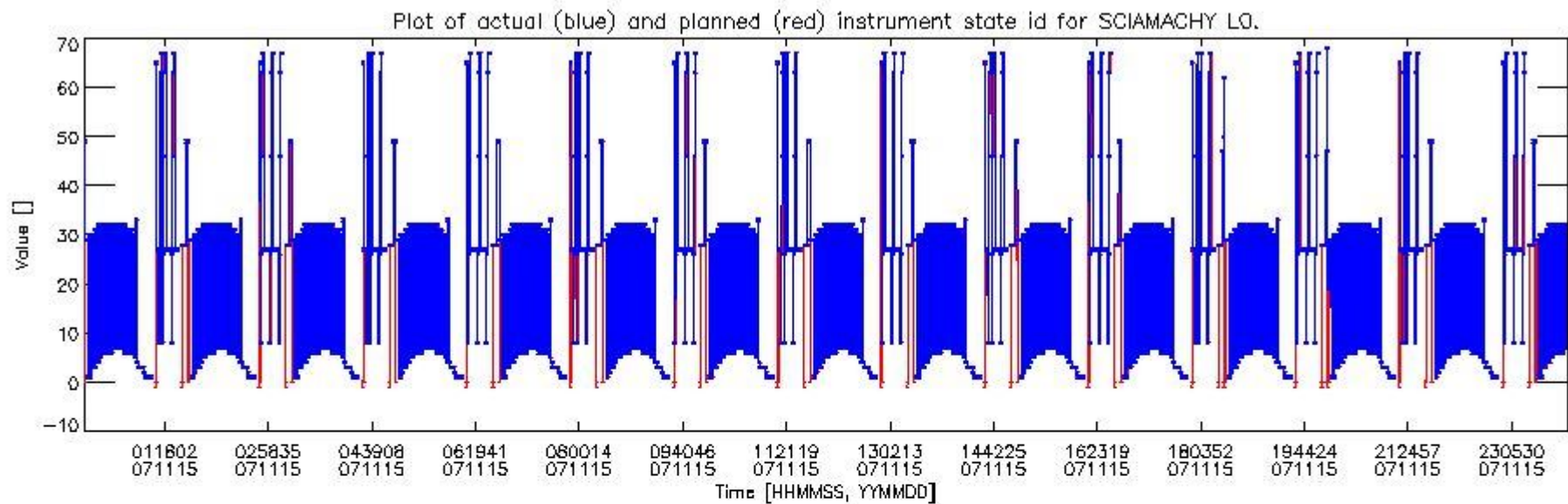


### 0.3 State monitoring

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: **38344**

#	Actual time	Actual value	Planned time	Planned value
0	15NOV2007 00:00:05.339983	29	15NOV2007 00:00:05.339983	0
1	15NOV2007 00:00:05.964965	29	15NOV2007 00:00:05.964965	0
2	15NOV2007 00:00:06.339978	29	15NOV2007 00:00:06.339978	0
3	15NOV2007 00:00:06.714951	29	15NOV2007 00:00:06.714951	0
4	15NOV2007 00:00:07.277450	29	15NOV2007 00:00:07.277450	0
5	15NOV2007 00:00:07.652463	29	15NOV2007 00:00:07.652463	0
6	15NOV2007 00:00:08.027476	29	15NOV2007 00:00:08.027476	0
7	15NOV2007 00:00:08.402449	29	15NOV2007 00:00:08.402449	0
8	15NOV2007 00:00:08.964948	29	15NOV2007 00:00:08.964948	0
9	15NOV2007 00:00:09.339961	29	15NOV2007 00:00:09.339961	0
10	15NOV2007 00:00:09.714974	29	15NOV2007 00:00:09.714974	0
11	15NOV2007 00:00:10.089947	29	15NOV2007 00:00:10.089947	0
12	15NOV2007 00:00:10.339956	29	15NOV2007 00:00:10.339956	0
13	15NOV2007 00:00:10.652447	29	15NOV2007 00:00:10.652447	0
14	15NOV2007 00:00:11.027460	29	15NOV2007 00:00:11.027460	0
15	15NOV2007 00:00:11.402473	29	15NOV2007 00:00:11.402473	0
16	15NOV2007 00:00:11.777446	29	15NOV2007 00:00:11.777446	0
17	15NOV2007 00:00:12.339945	29	15NOV2007 00:00:12.339945	0
18	15NOV2007 00:00:12.714958	29	15NOV2007 00:00:12.714958	0
19	15NOV2007 00:00:13.089971	29	15NOV2007 00:00:13.089971	0
...	...	...	...	...

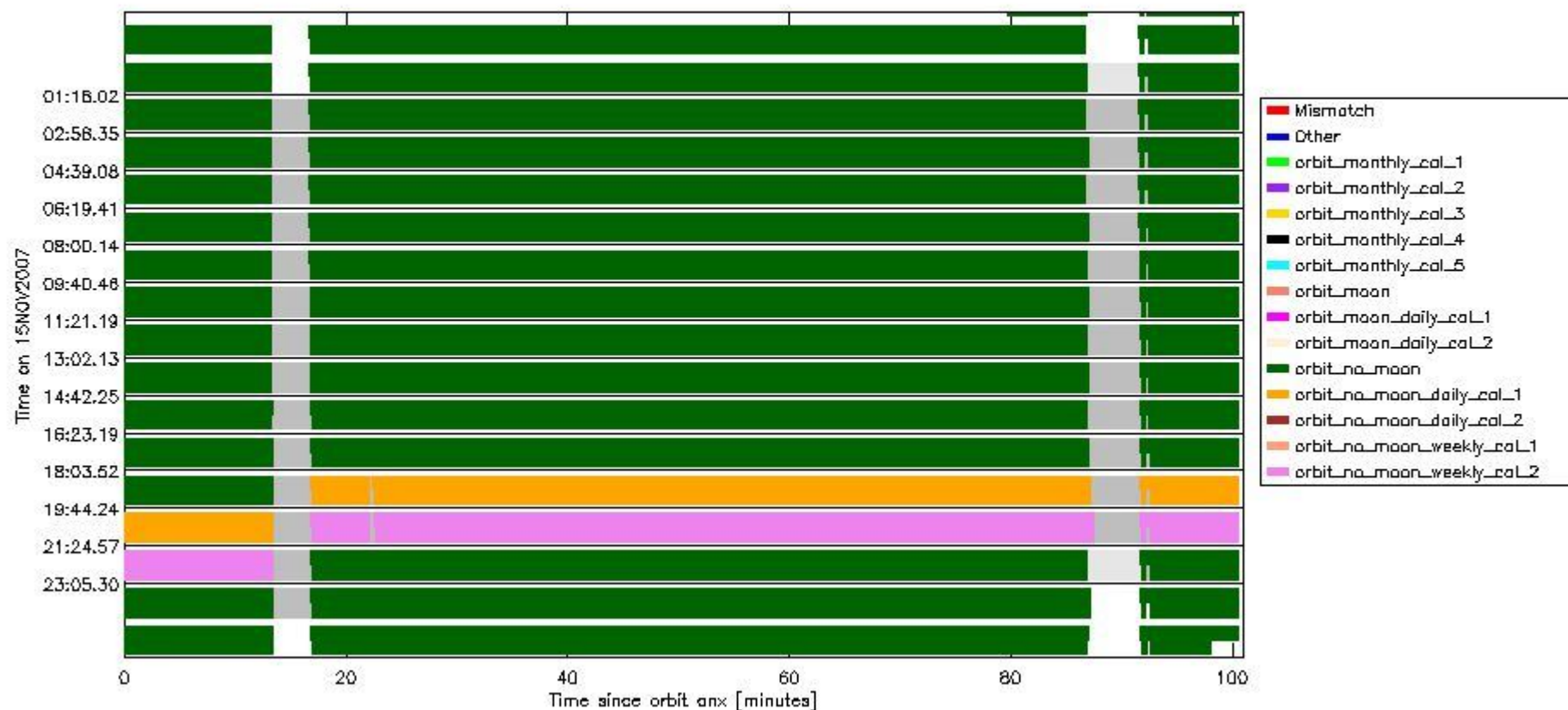


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071115\_5.PNG

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 15NOV2007.  
 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\_4302\_N\_20071115\_6.PNG

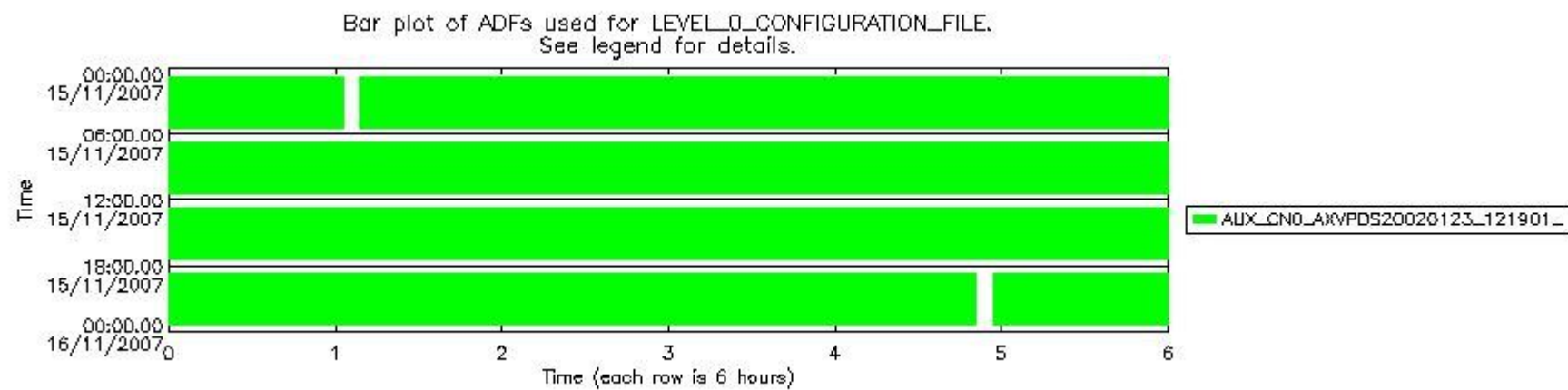
## 0.4 ADF monitoring

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

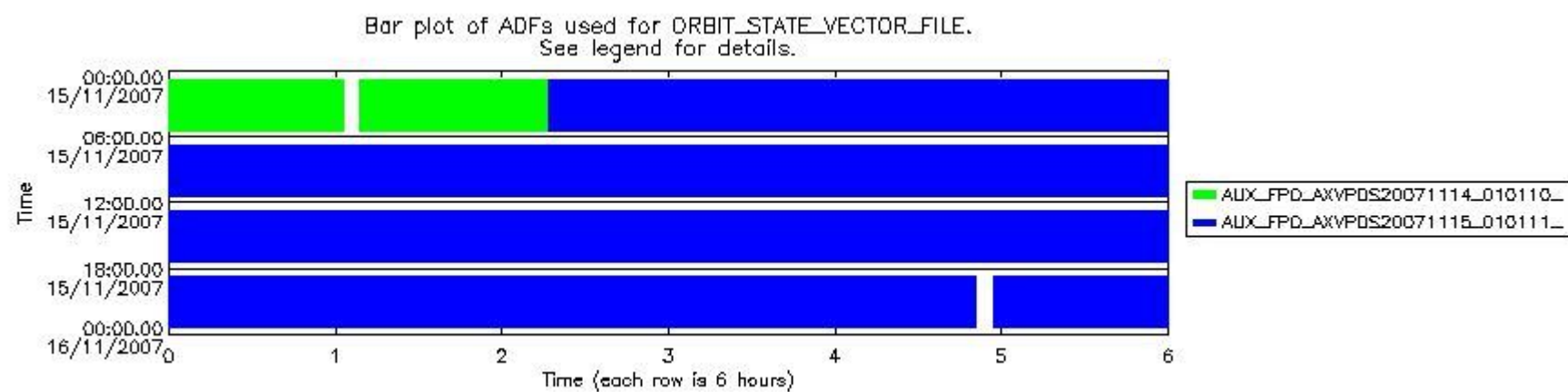
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

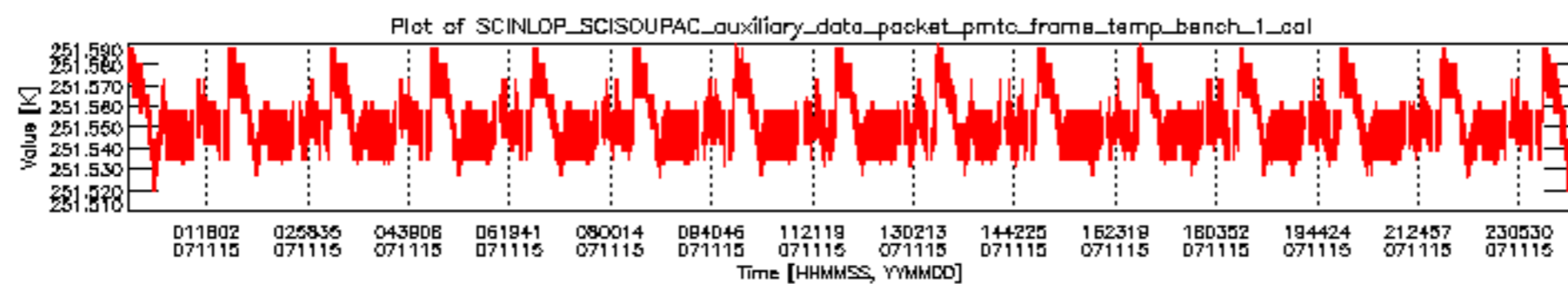
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20071114_010110_20071113_190704_20071123_203316
2	AUX_FPO_AXVPDS20071115_010111_20071114_183527_20071124_200139



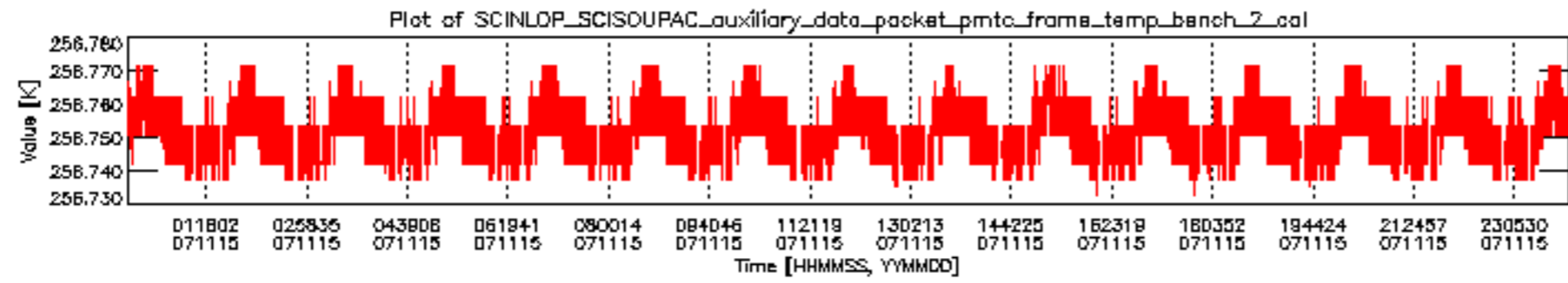
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071115\_7.PNG

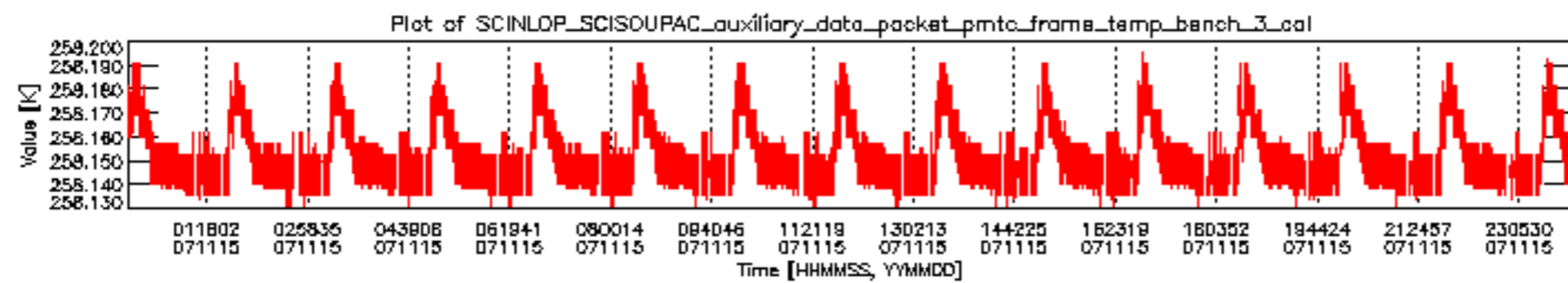


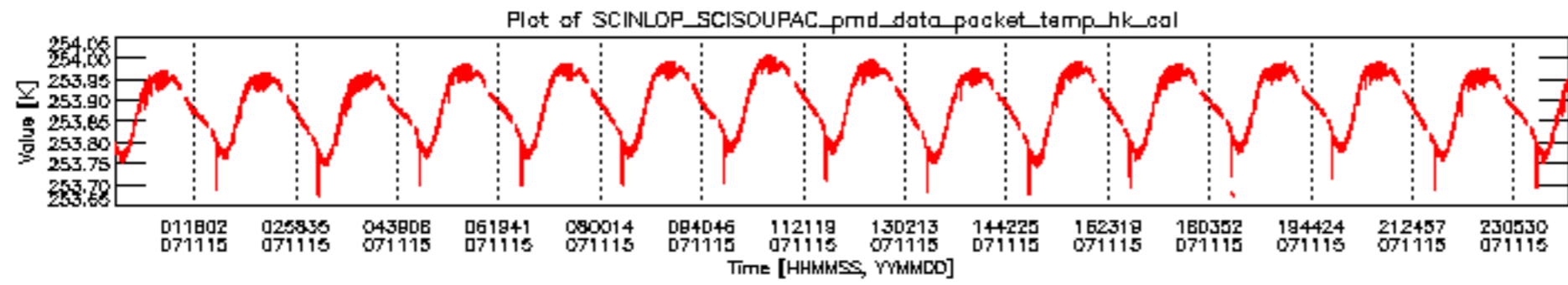
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071115\_8.PNG

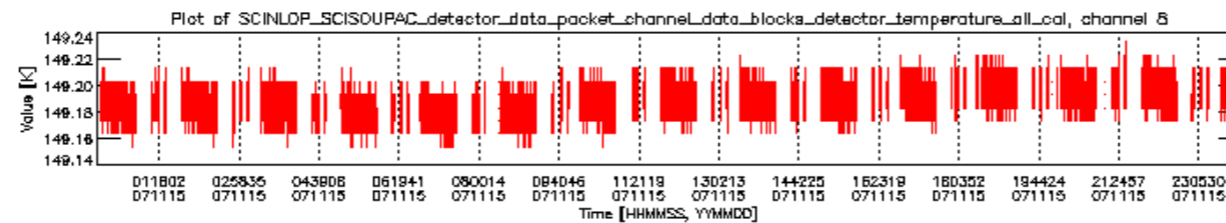
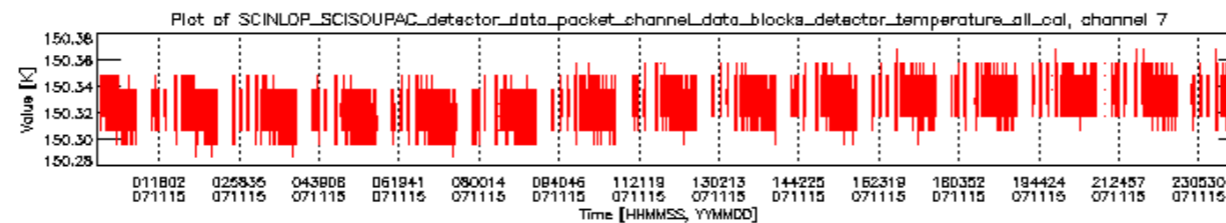
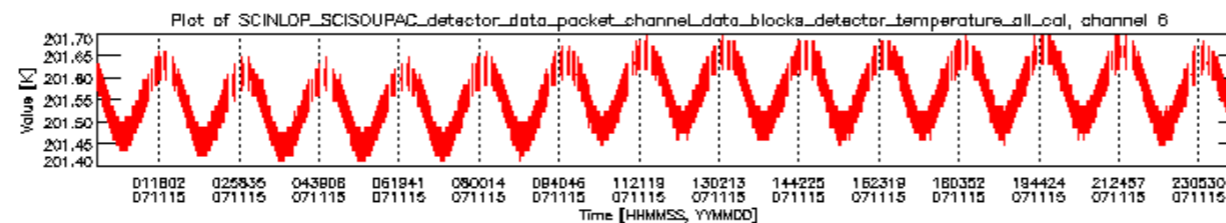
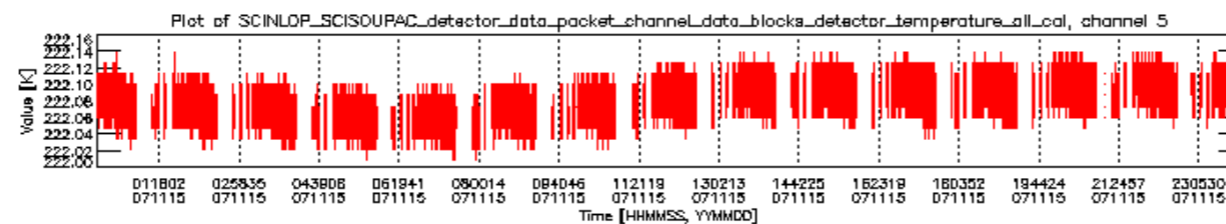
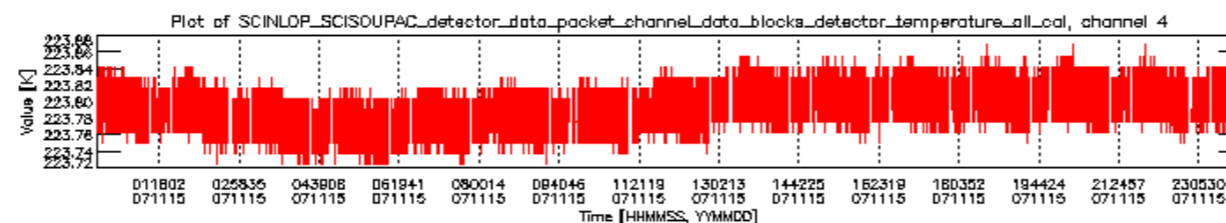
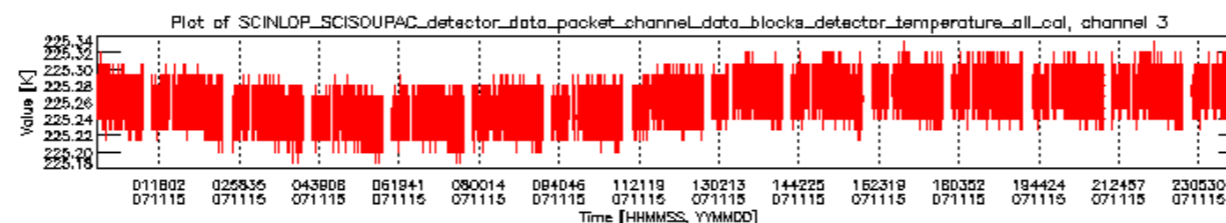
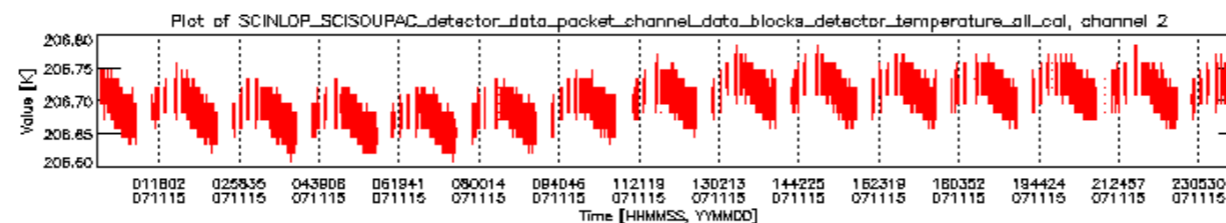
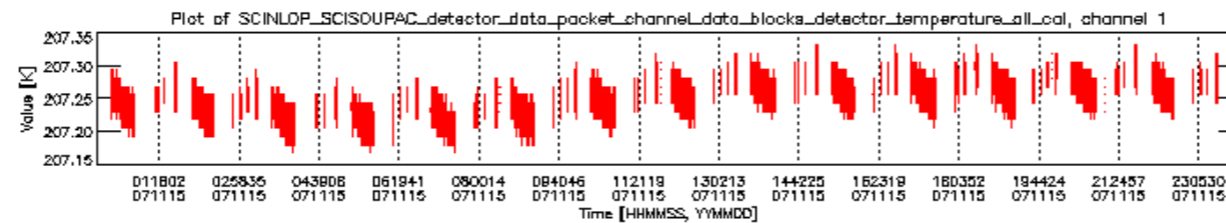


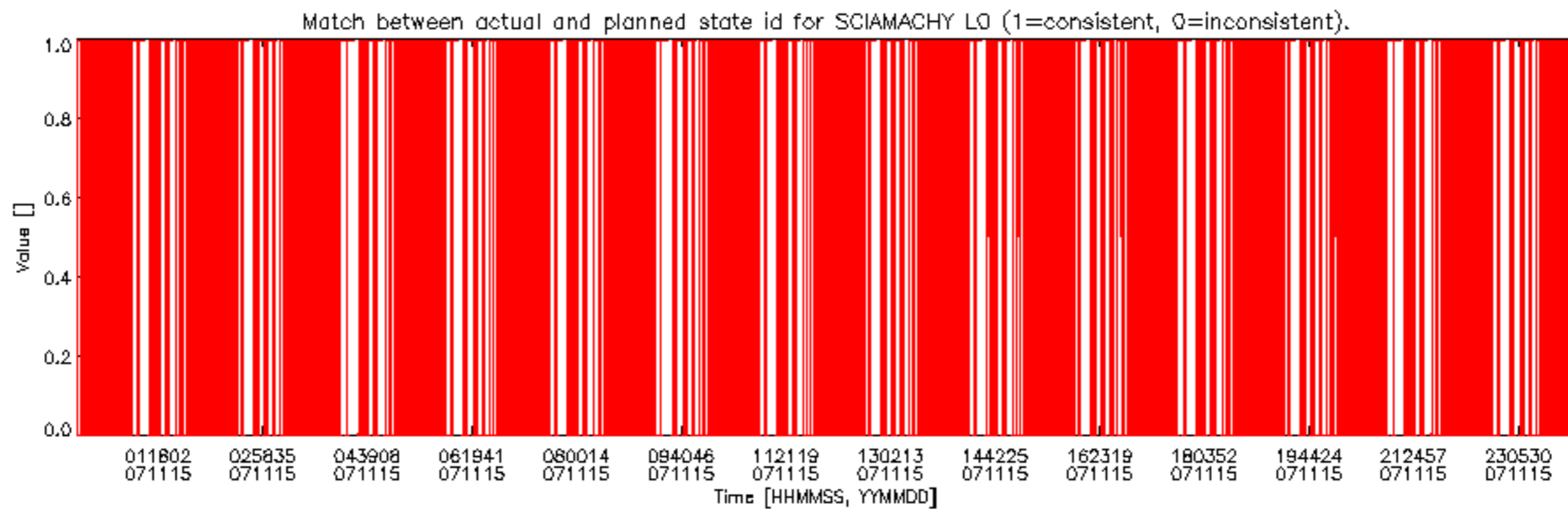
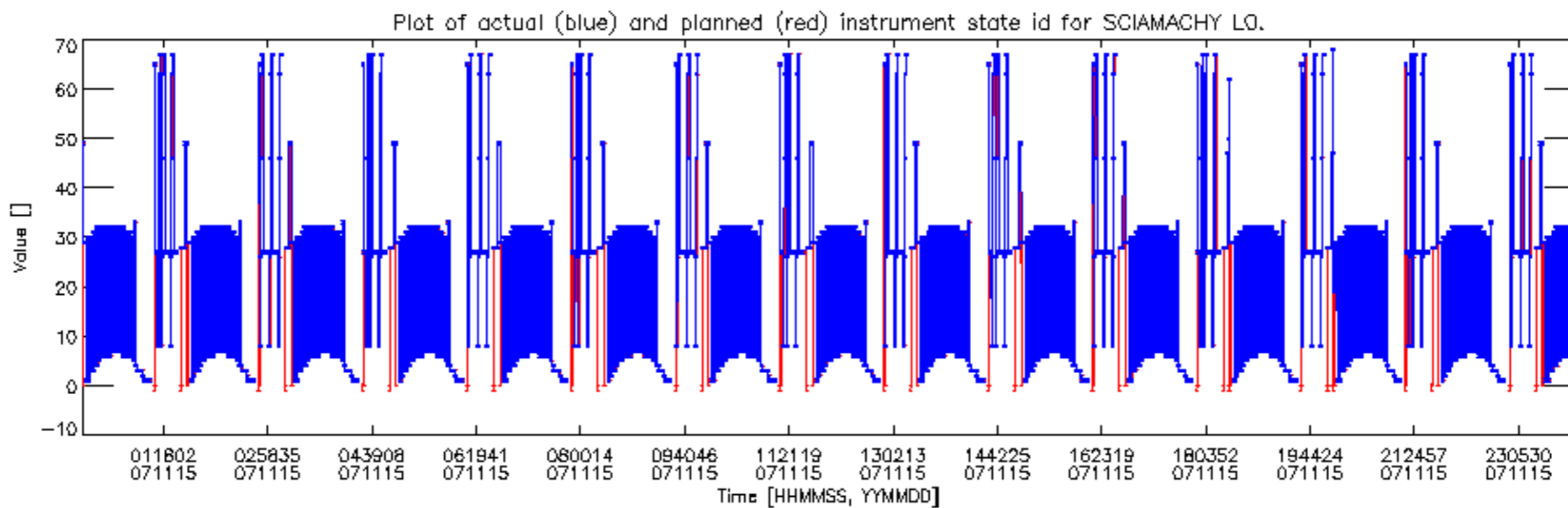












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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