

## 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	02DEC2007 06:20:00
Data source version	KSPT_L0/4302-N
Processing scope for products	28NOV2007 00:00:00 to 29NOV2007 00:00:00
Start time of first product within scope	27NOV2007 23:20:41
Stop time of last product within scope	29NOV2007 00:23:33
Total number of level 0 products	16
Number of level 0 products with errors	0

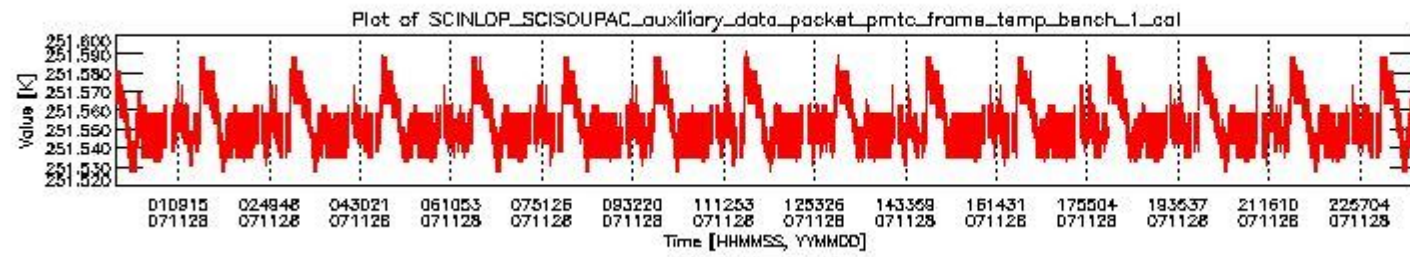
### 0.1.2 Summary per product

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

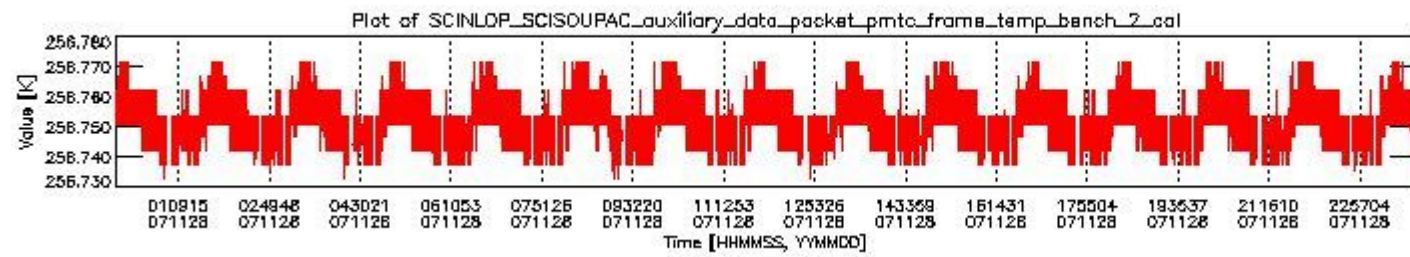
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071128_232041_000056662063_00416_30029_5664.N1	27NOV2007 23:20:41	28NOV2007 00:55:07	0	0	0	0	0
1	SCI_NL__OPNPDE20071128_010117_000041222063_00417_30030_5665.N1	28NOV2007 01:01:17	28NOV2007 02:09:59	0	0	0	0	0
2	SCI_NL__OPNPDE20071128_020851_000060922063_00418_30031_5666.N1	28NOV2007 02:08:51	28NOV2007 03:50:23	0	0	0	0	0
3	SCI_NL__OPNPDE20071128_035023_000060492063_00419_30032_5667.N1	28NOV2007 03:50:23	28NOV2007 05:31:11	0	0	0	0	0
4	SCI_NL__OPNPDE20071128_053003_000061612063_00420_30033_5668.N1	28NOV2007 05:30:03	28NOV2007 07:12:43	0	0	0	0	0
5	SCI_NL__OPNPDK20071128_071135_000041142063_00421_30034_6749.N1	28NOV2007 07:11:35	28NOV2007 08:20:09	0	0	0	0	0
6	SCI_NL__OPNPDK20071128_081804_000062162063_00422_30035_6750.N1	28NOV2007 08:18:04	28NOV2007 10:01:41	0	0	0	0	0
7	SCI_NL__OPNPDK20071128_095936_000059802063_00423_30036_6751.N1	28NOV2007 09:59:36	28NOV2007 11:39:16	0	0	0	0	0
8	SCI_NL__OPNPDK20071128_113725_000060922063_00424_30037_6752.N1	28NOV2007 11:37:25	28NOV2007 13:18:57	0	0	0	0	0
9	SCI_NL__OPNPDK20071128_131801_000060362063_00425_30038_6753.N1	28NOV2007 13:18:01	28NOV2007 14:58:37	0	0	0	0	0
10	SCI_NL__OPNPDK20071128_145741_000058412063_00426_30039_6754.N1	28NOV2007 14:57:41	28NOV2007 16:35:02	0	0	0	0	0
11	SCI_NL__OPNPDK20071128_163407_000056372063_00427_30040_6755.N1	28NOV2007 16:34:07	28NOV2007 18:08:04	0	0	0	0	0
12	SCI_NL__OPNPDK20071128_181251_000057892063_00428_30041_6756.N1	28NOV2007 18:12:51	28NOV2007 19:49:20	0	0	0	0	0
13	SCI_NL__OPNPDE20071128_195327_000039492063_00429_30042_5669.N1	28NOV2007 19:53:27	28NOV2007 20:59:16	0	0	0	0	0
14	SCI_NL__OPNPDE20071128_205808_000063012063_00429_30042_5670.N1	28NOV2007 20:58:08	28NOV2007 22:43:09	0	0	0	0	0
15	SCI_NL__OPNPDE20071128_224309_000060232063_00430_30043_5671.N1	28NOV2007 22:43:09	29NOV2007 00:23:33	0	0	0	0	0

## 0.2 Product Quality Indicators

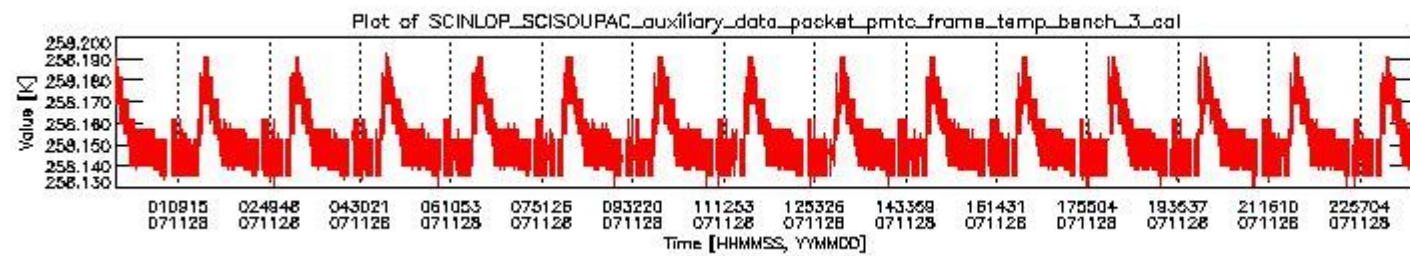
This section shows information about product quality, currently temperatures.



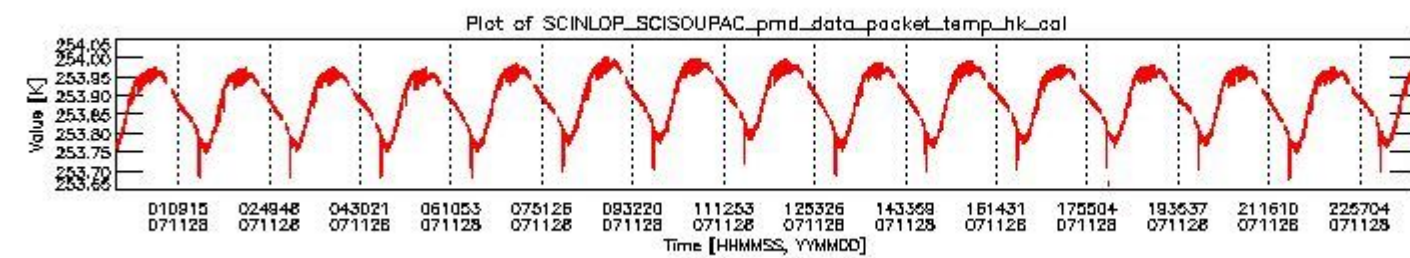
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071128\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071128\_1.PNG

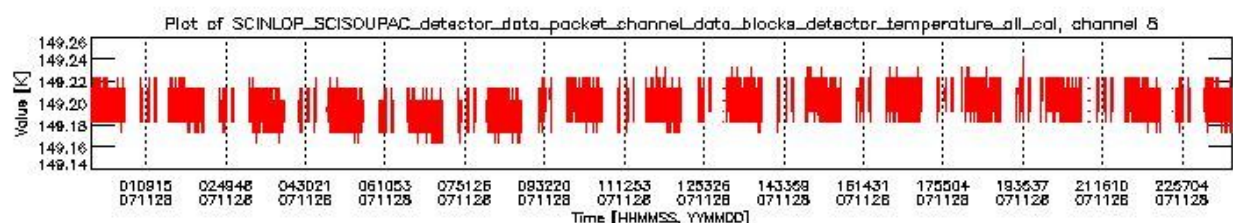
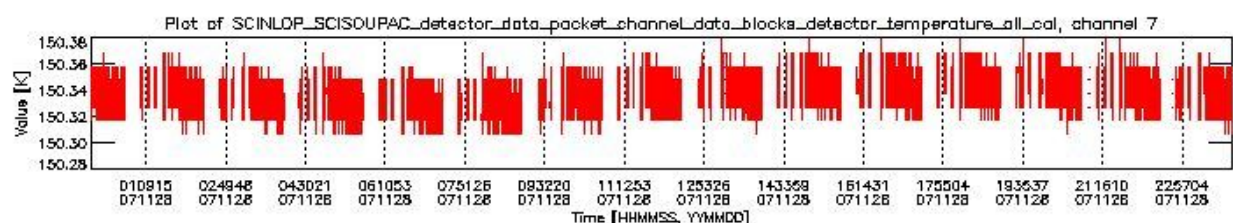
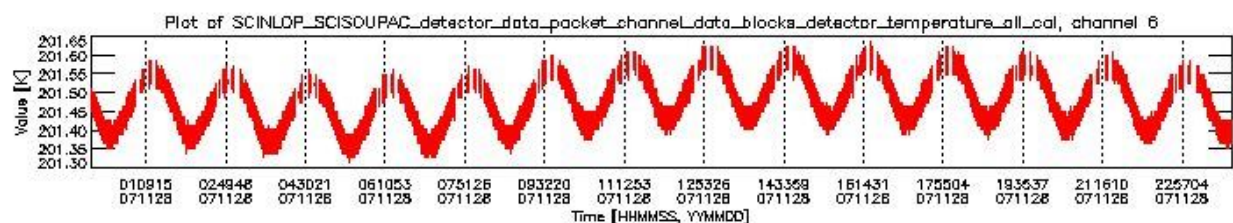
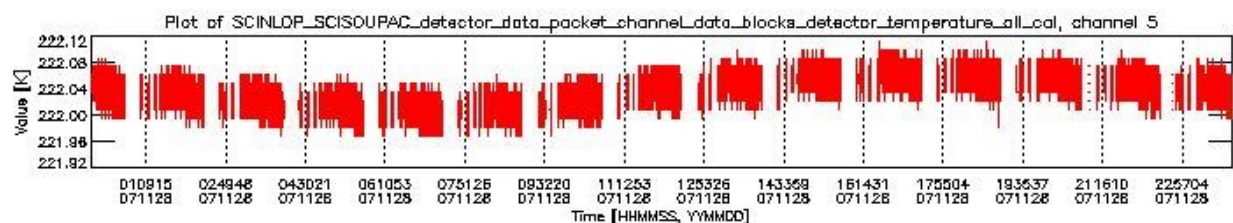
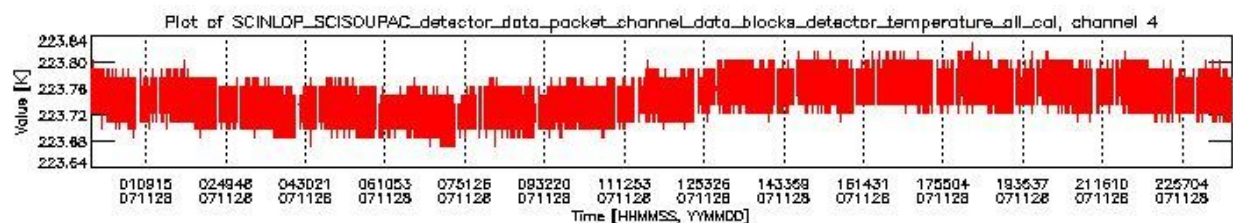
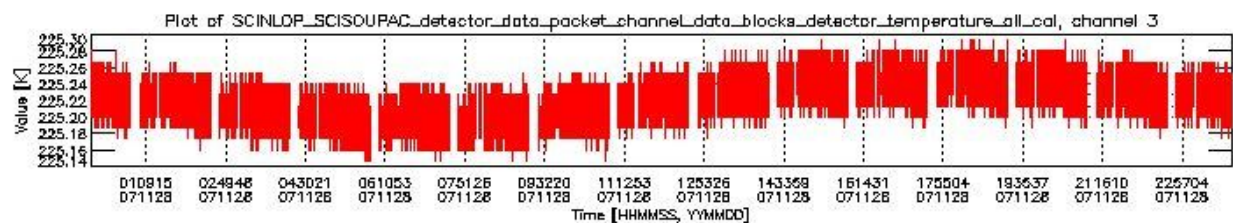
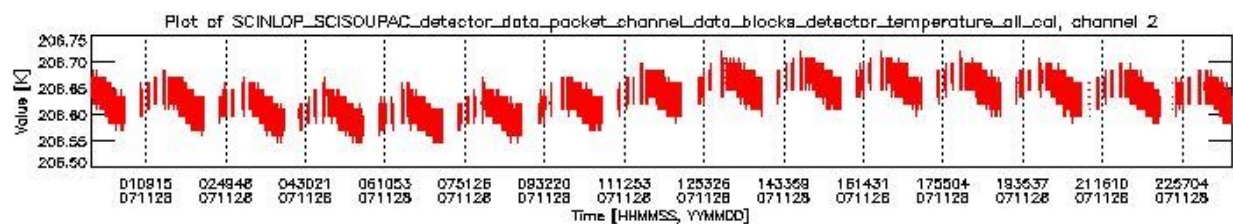
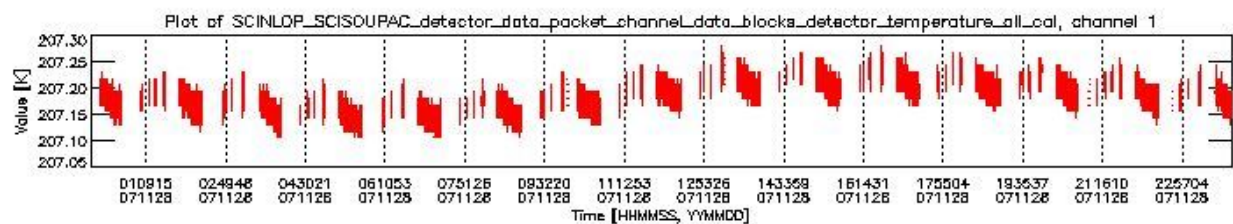


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071128\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071128\_3.PNG



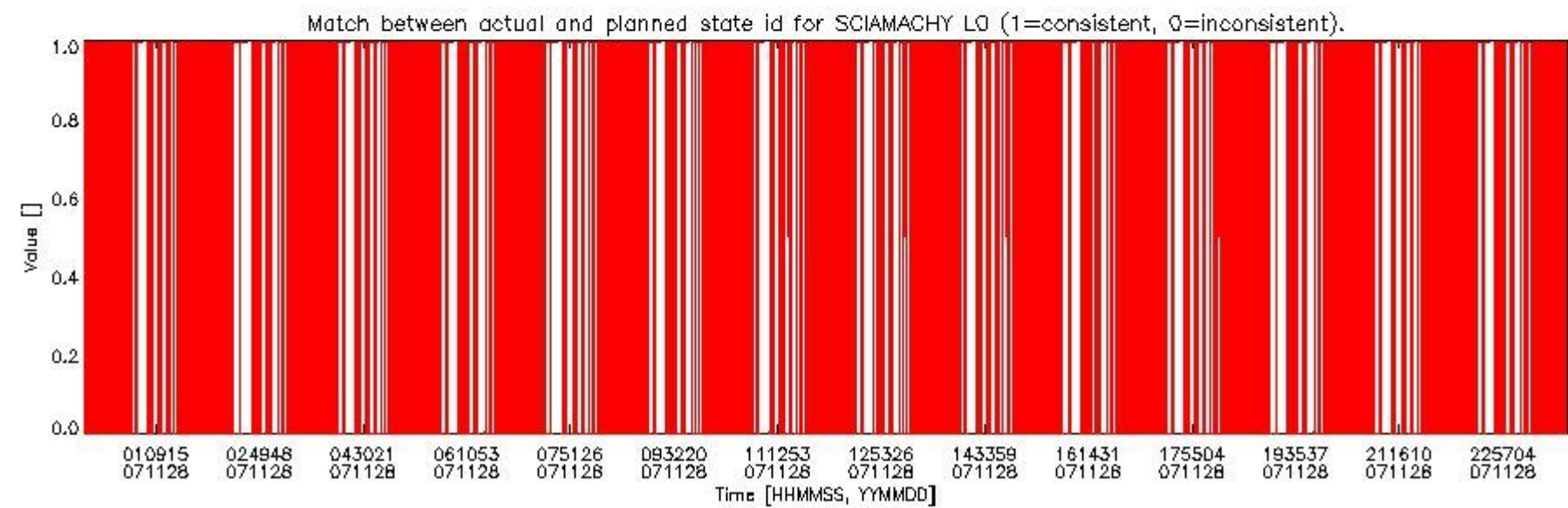
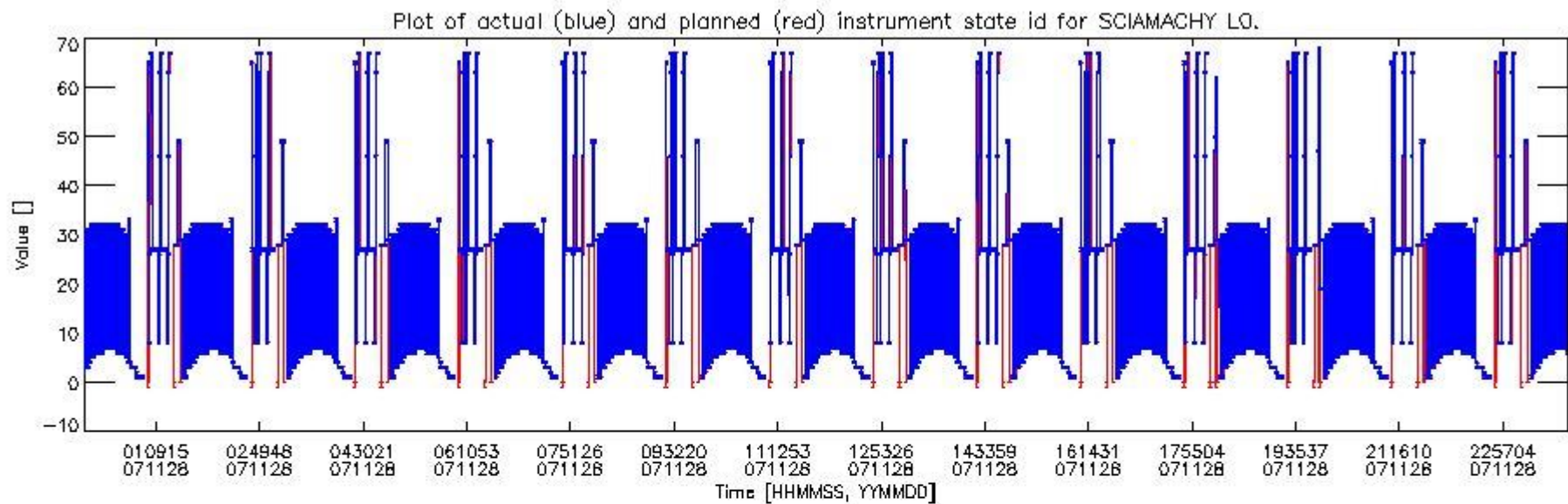


### 0.3 State monitoring

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: **49213**

#	Actual time	Actual value	Planned time	Planned value
0	28NOV2007 00:00:08.864808	3	28NOV2007 00:00:08.864808	30
1	28NOV2007 00:00:09.114817	3	28NOV2007 00:00:09.114817	30
2	28NOV2007 00:00:09.239821	3	28NOV2007 00:00:09.239821	30
3	28NOV2007 00:00:09.364825	3	28NOV2007 00:00:09.364825	30
4	28NOV2007 00:00:09.489830	3	28NOV2007 00:00:09.489830	30
5	28NOV2007 00:00:09.614834	3	28NOV2007 00:00:09.614834	30
6	28NOV2007 00:00:09.739798	3	28NOV2007 00:00:09.739798	30
7	28NOV2007 00:00:09.864803	3	28NOV2007 00:00:09.864803	30
8	28NOV2007 00:00:09.989807	3	28NOV2007 00:00:09.989807	30
9	28NOV2007 00:00:10.114811	3	28NOV2007 00:00:10.114811	30
10	28NOV2007 00:00:10.239816	3	28NOV2007 00:00:10.239816	30
11	28NOV2007 00:00:10.364820	3	28NOV2007 00:00:10.364820	30
12	28NOV2007 00:00:10.489824	3	28NOV2007 00:00:10.489824	30
13	28NOV2007 00:00:10.614829	3	28NOV2007 00:00:10.614829	30
14	28NOV2007 00:00:10.739833	3	28NOV2007 00:00:10.739833	30
15	28NOV2007 00:00:10.864837	3	28NOV2007 00:00:10.864837	30
16	28NOV2007 00:00:10.989802	3	28NOV2007 00:00:10.989802	30
17	28NOV2007 00:00:11.114806	3	28NOV2007 00:00:11.114806	30
18	28NOV2007 00:00:11.239810	3	28NOV2007 00:00:11.239810	30
19	28NOV2007 00:00:11.364815	3	28NOV2007 00:00:11.364815	30
	...	...	...	...



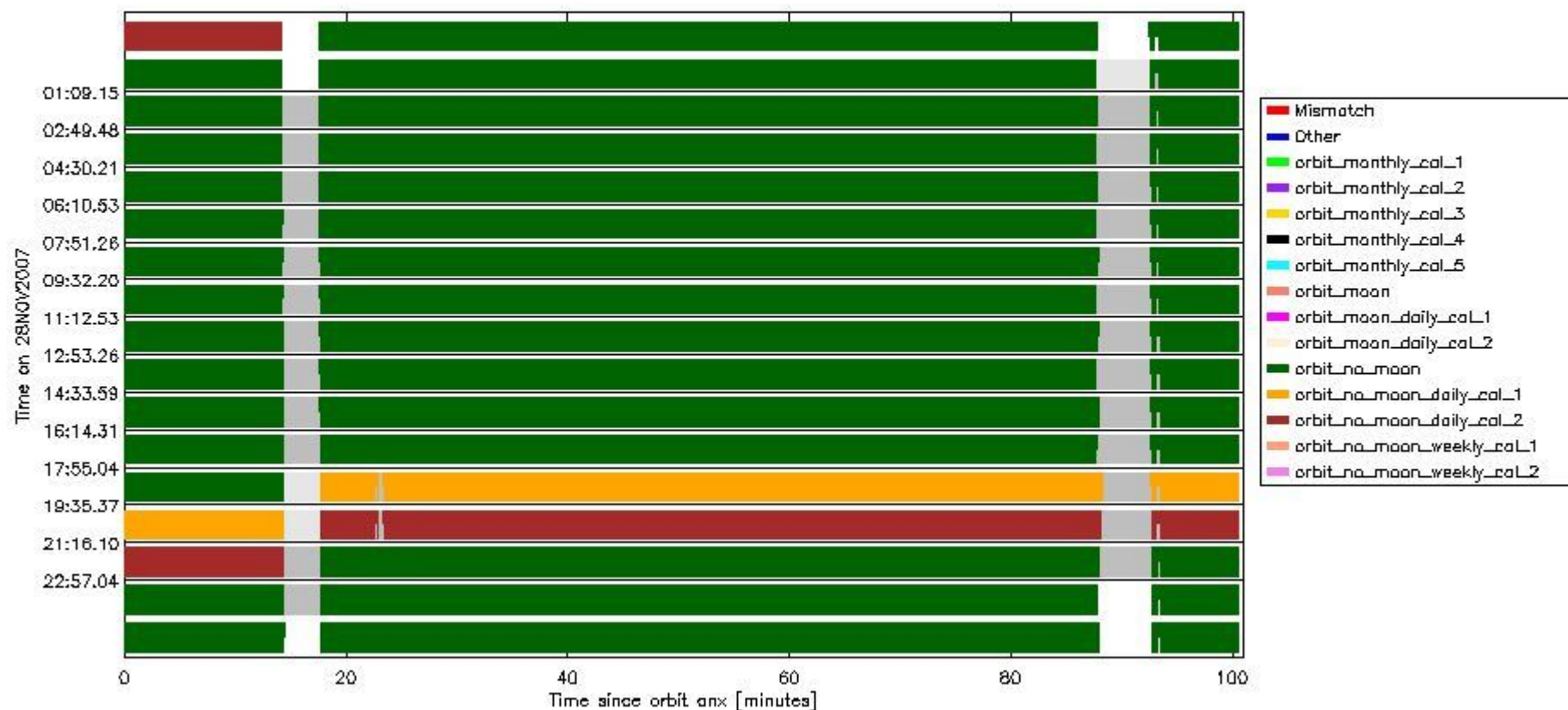
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071128\_5.PNG

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 28NOV2007.  
 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\_20071128\_6.PNG

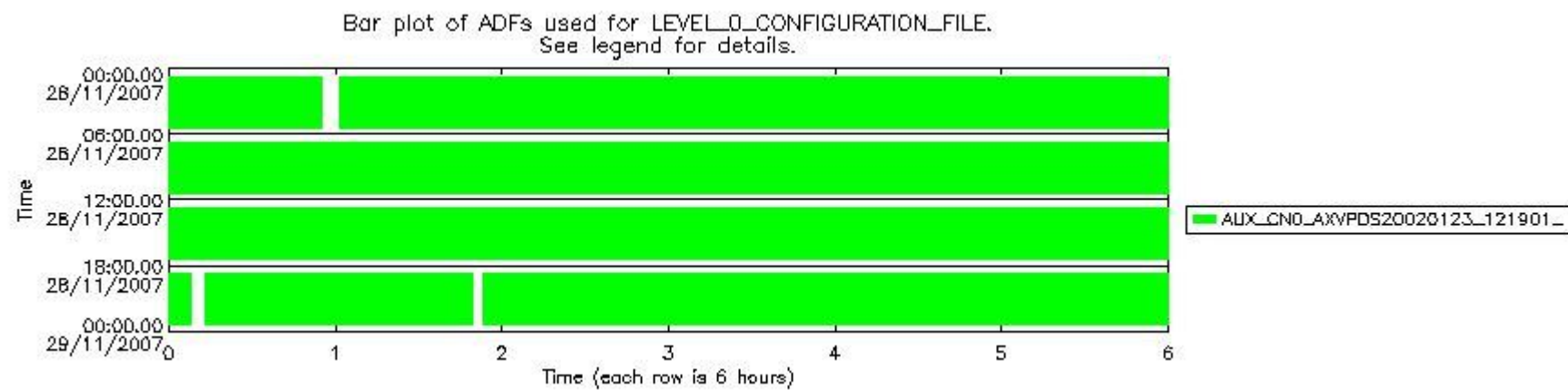
## 0.4 ADF monitoring

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

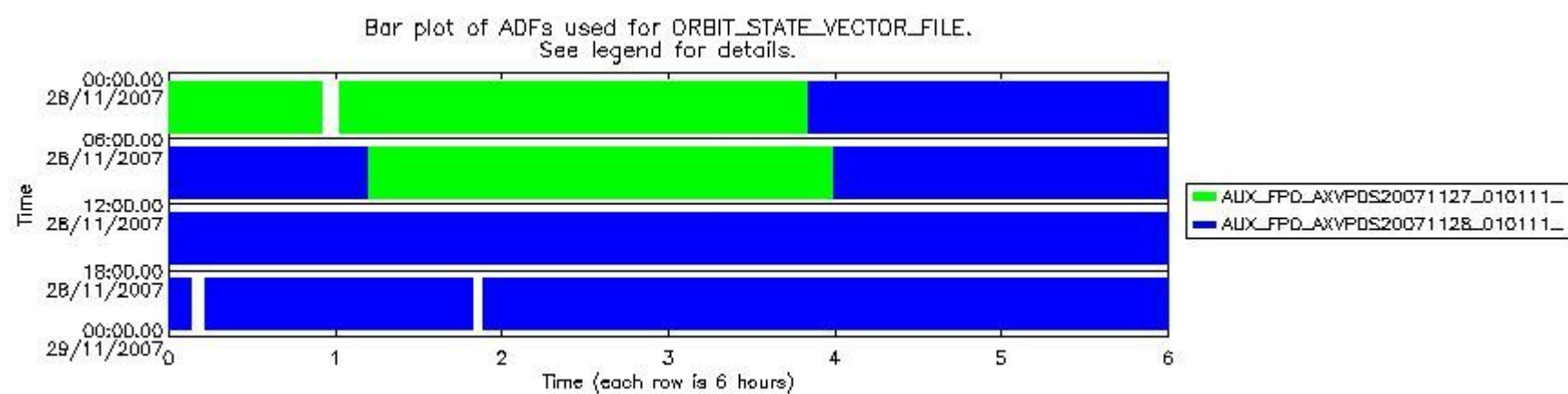
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

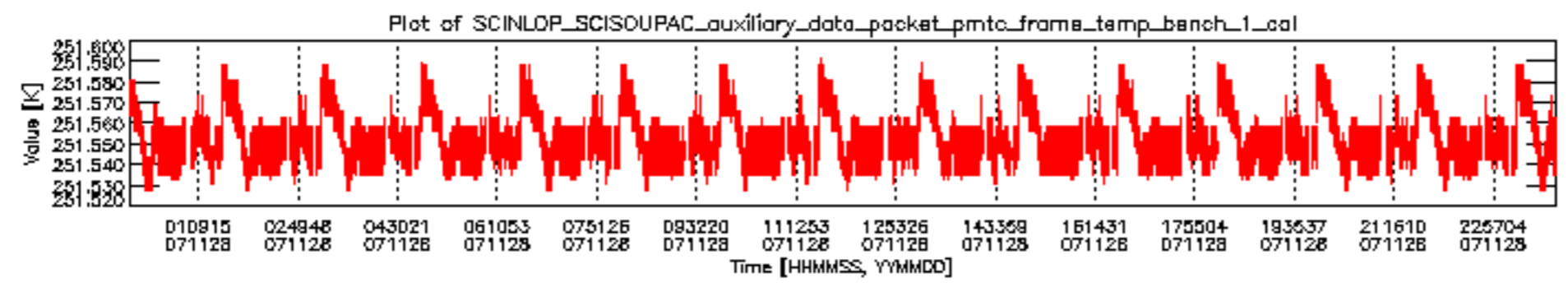
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20071127_010111_20071126_185824_20071206_202436</b>
2	<b>AUX_FPO_AXVPDS20071128_010111_20071127_182647_20071207_213334</b>



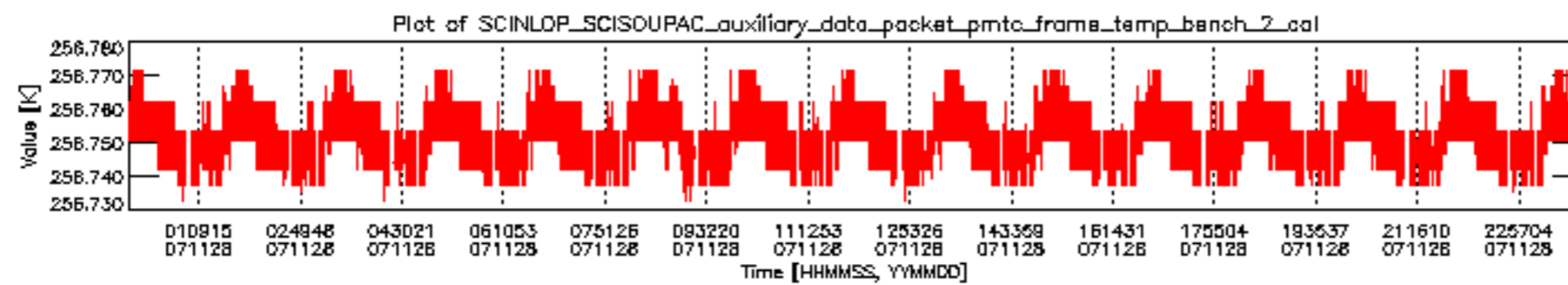
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071128\_7.PNG

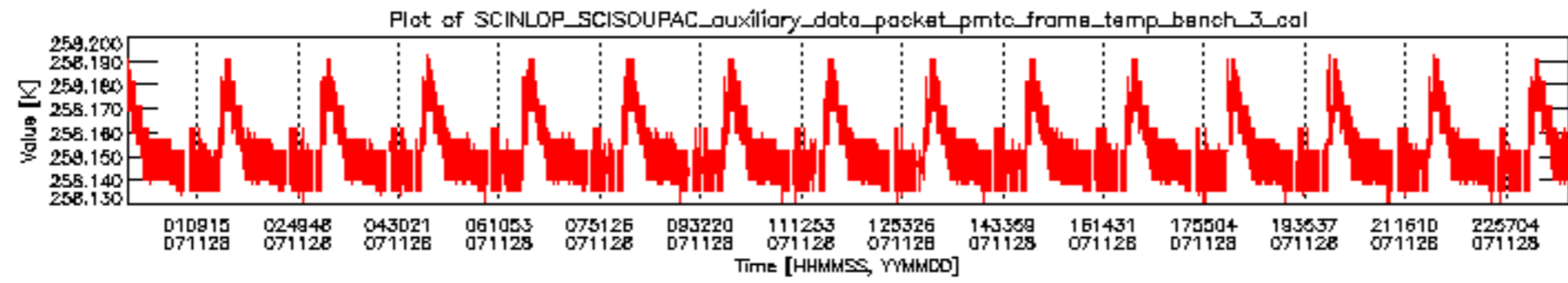


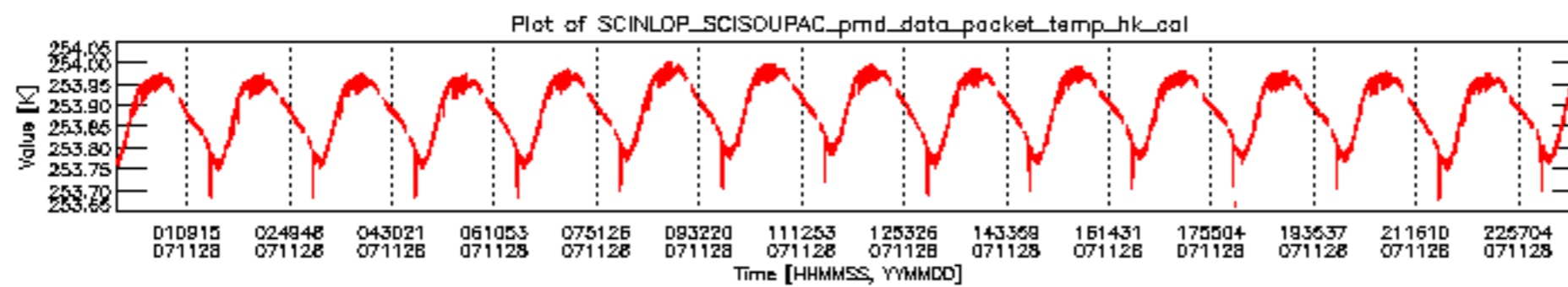
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071128\_8.PNG

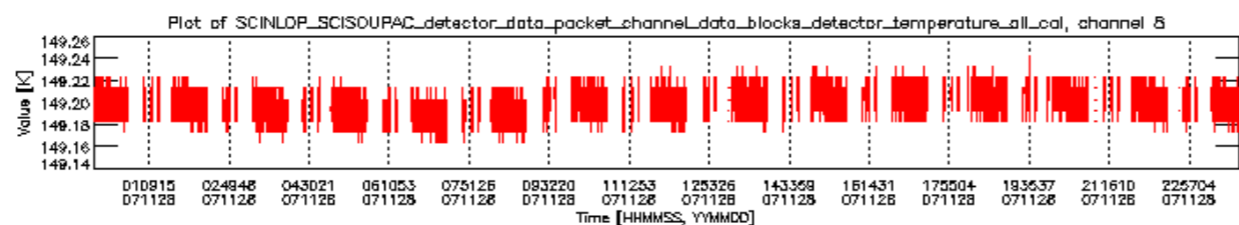
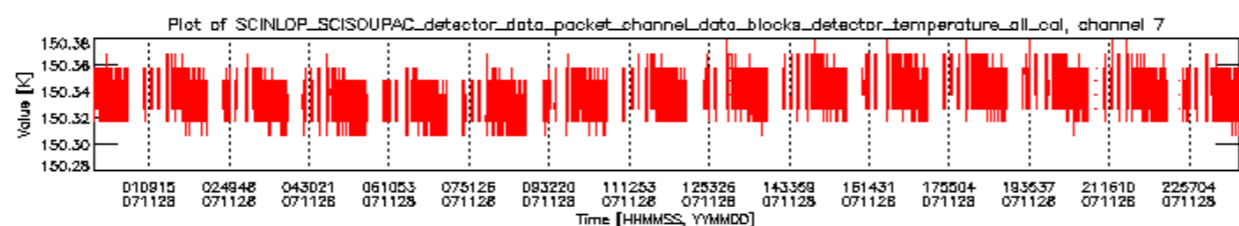
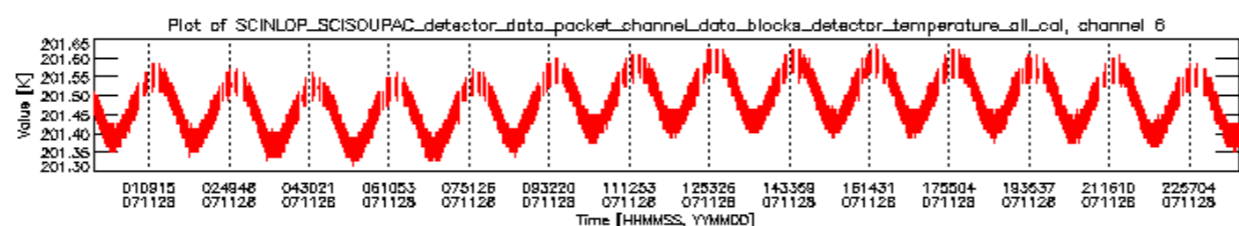
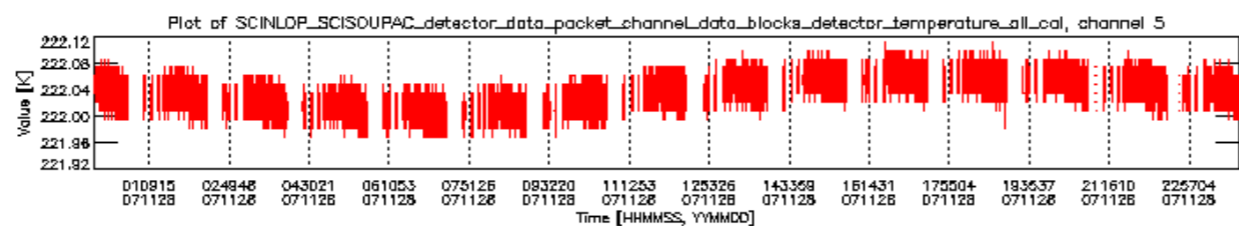
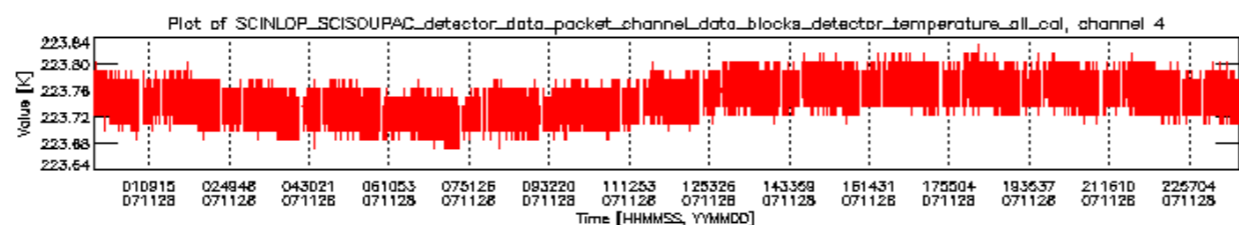
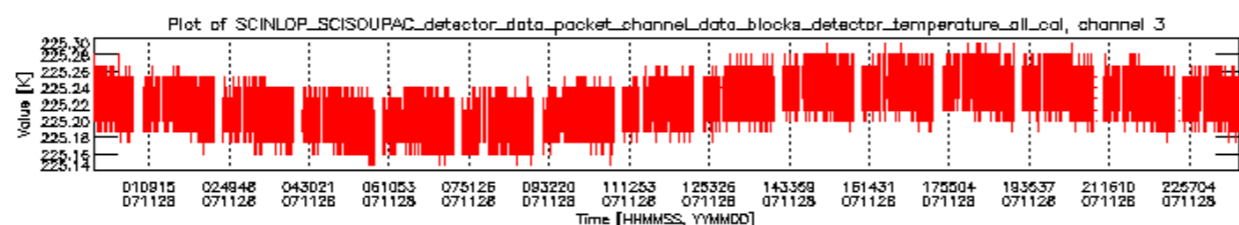
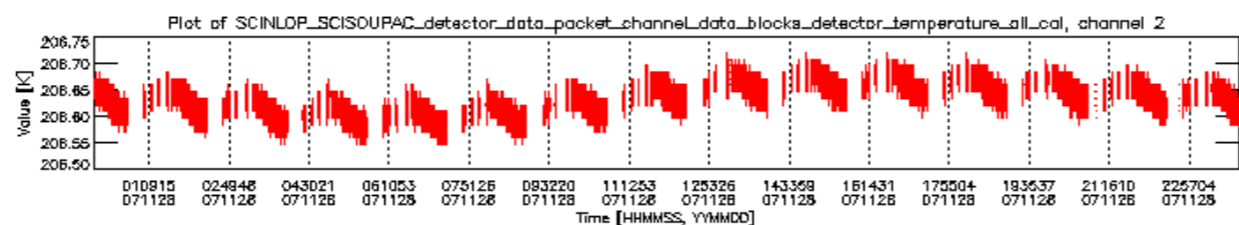
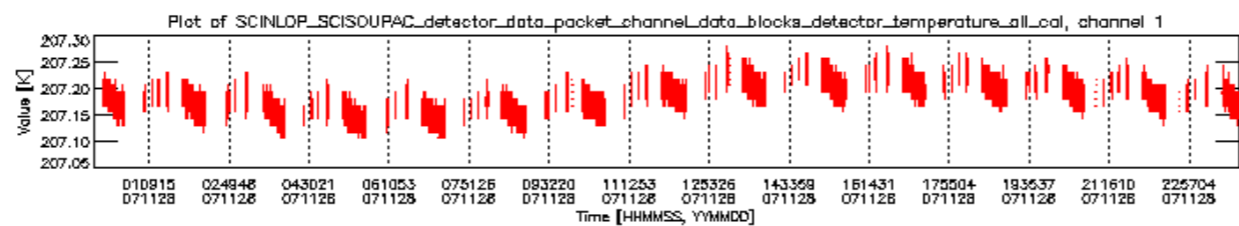




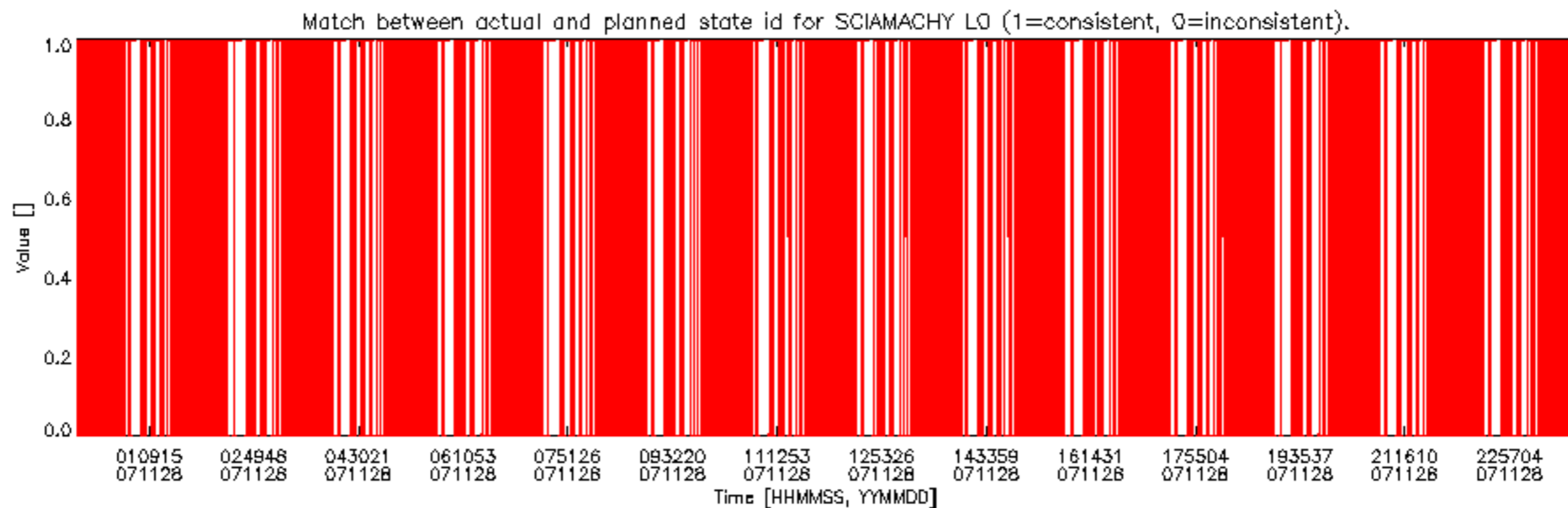
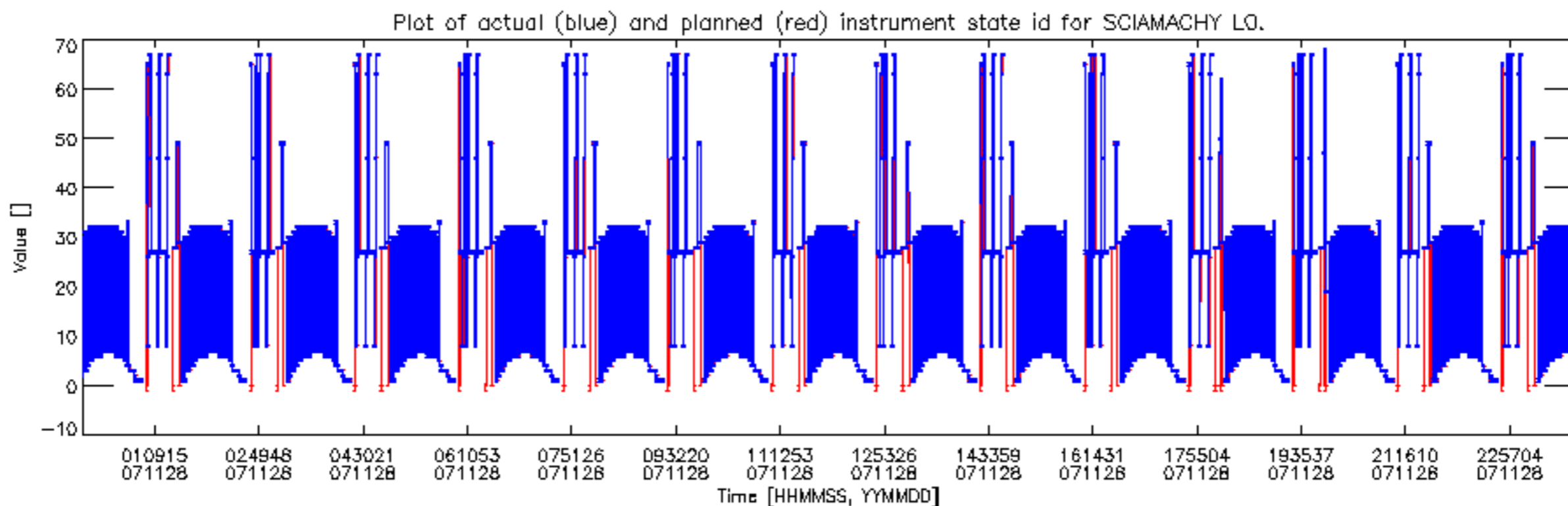












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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