

## 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	v1.4 20100407
Time of report generation	12JAN2012 17:47:15
Data source version	KSPT_L0/4504-N
Processing scope for products	05JAN2012 00:00:00 to 06JAN2012 00:00:00
Start time of first product within scope	05JAN2012 00:58:48
Stop time of last product within scope	06JAN2012 00:22:38
Total number of Level 0 products	15
Number of Level 0 products with errors	0

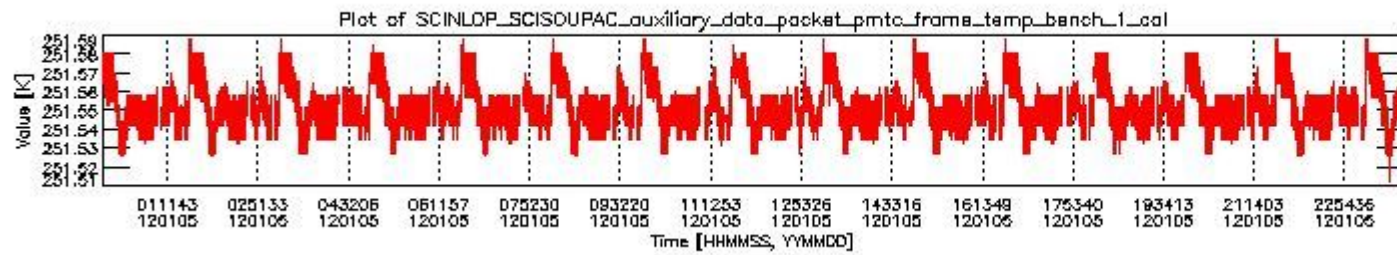
### 0.1.2 Summary per product

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

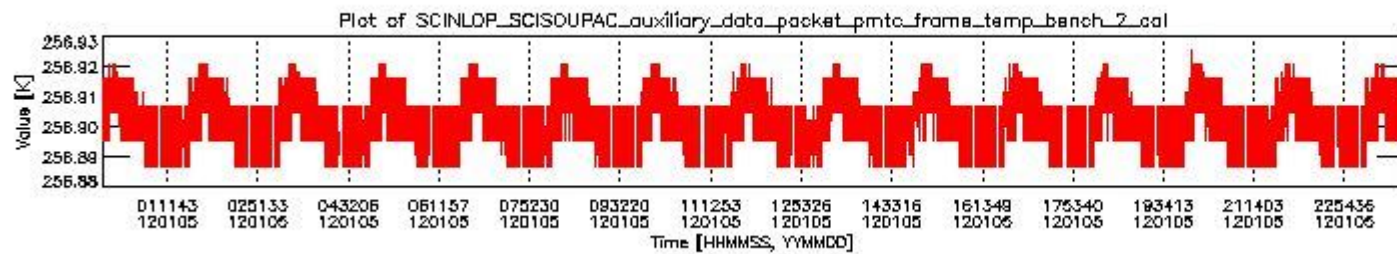
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20120105_005848_000102233110_00203_51510_4640.N1	05JAN2012 00:58:48	05JAN2012 03:49:11	0	0	0	0	0
1	SCI_NL__OPNPDE20120105_024442_000038693110_00204_51511_8031.N1	05JAN2012 02:44:42	05JAN2012 03:49:11	0	0	0	0	0
2	SCI_NL__OPNPDE20120105_034911_000061913110_00205_51512_4641.N1	05JAN2012 03:49:11	05JAN2012 05:32:21	0	0	0	0	0
3	SCI_NL__OPNPDE20120105_053221_000060283110_00206_51513_4642.N1	05JAN2012 05:32:21	05JAN2012 07:12:50	0	0	0	0	0
4	SCI_NL__OPNPDK20120105_071250_000039813110_00207_51514_6844.N1	05JAN2012 07:12:50	05JAN2012 08:19:11	0	0	0	0	0
5	SCI_NL__OPNPDK20120105_081817_000061913110_00208_51515_6845.N1	05JAN2012 08:18:17	05JAN2012 10:01:27	0	0	0	0	0
6	SCI_NL__OPNPDK20120105_100033_000059993110_00209_51516_6846.N1	05JAN2012 10:00:33	05JAN2012 11:40:33	0	0	0	0	0
7	SCI_NL__OPNPDK20120105_113938_000059053110_00210_51517_6847.N1	05JAN2012 11:39:38	05JAN2012 13:18:04	0	0	0	0	0
8	SCI_NL__OPNPDK20120105_131709_000058763110_00211_51518_6848.N1	05JAN2012 13:17:09	05JAN2012 14:55:05	0	0	0	0	0
9	SCI_NL__OPNPDK20120105_145505_000060143110_00212_51519_6849.N1	05JAN2012 14:55:05	05JAN2012 16:35:19	0	0	0	0	0
10	SCI_NL__OPNPDK20120105_163330_000059053110_00213_51520_6850.N1	05JAN2012 16:33:30	05JAN2012 18:11:55	0	0	0	0	0
11	SCI_NL__OPNPDK20120105_181155_000057503110_00214_51521_6851.N1	05JAN2012 18:11:55	05JAN2012 19:47:45	0	0	0	0	0
12	SCI_NL__OPNPDE20120105_194711_000042263110_00215_51522_4643.N1	05JAN2012 19:47:11	05JAN2012 20:57:37	0	0	0	0	0
13	SCI_NL__OPNPDE20120105_205520_000064243110_00215_51522_4644.N1	05JAN2012 20:55:20	05JAN2012 22:42:25	0	0	0	0	0
14	SCI_NL__OPNPDE20120105_224116_000060823110_00216_51523_4645.N1	05JAN2012 22:41:16	06JAN2012 00:22:38	0	0	0	0	0

## 0.2 Product Quality Indicators

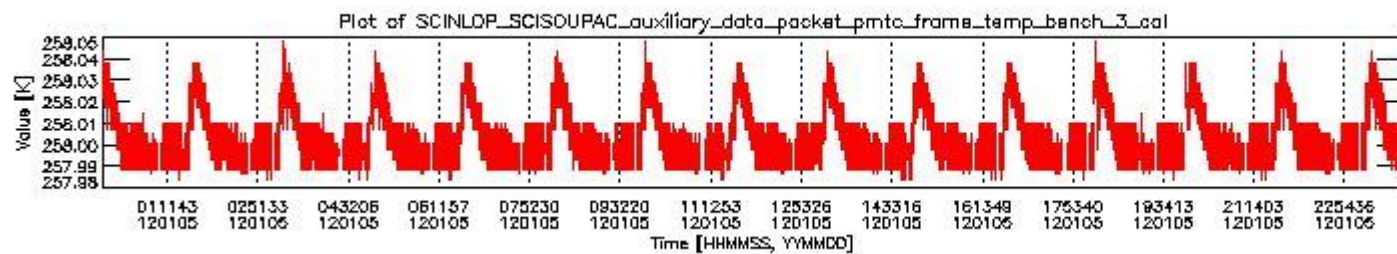
This section shows information about product quality, currently temperatures.



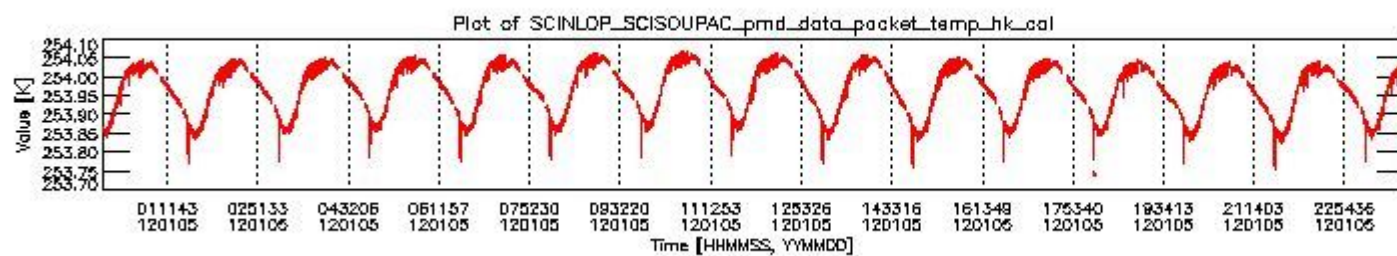
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120105\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120105\_1.PNG

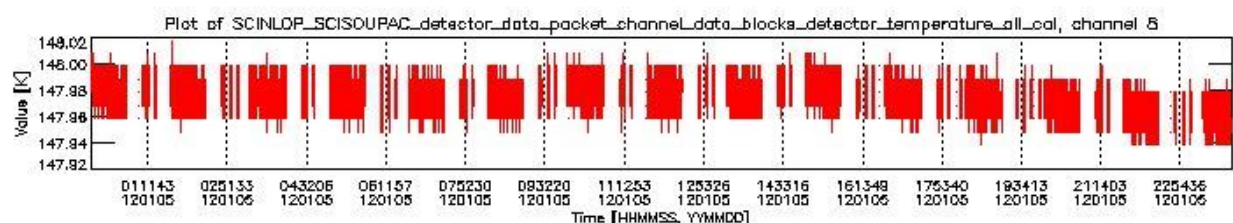
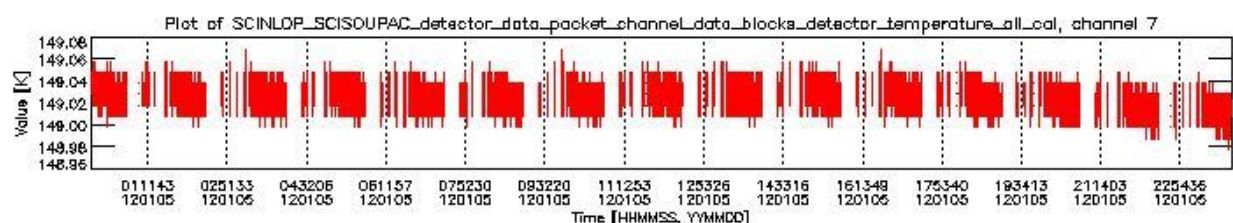
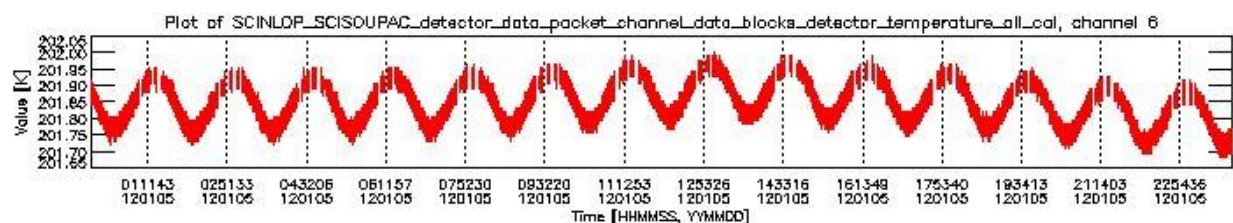
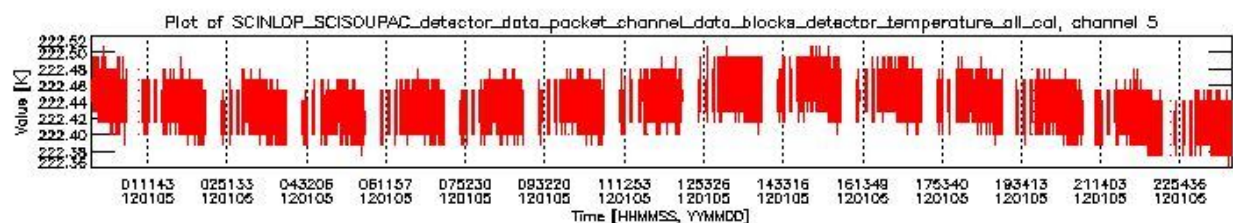
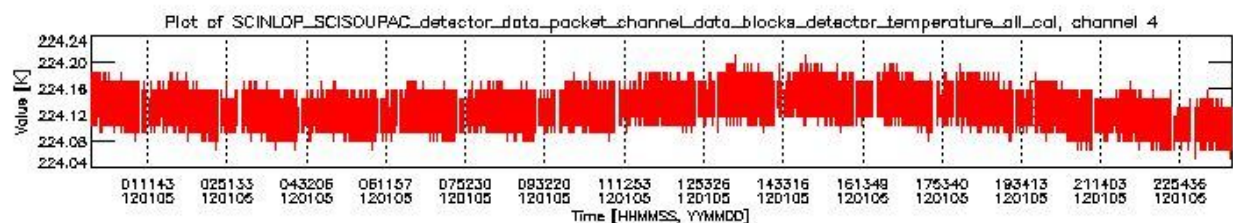
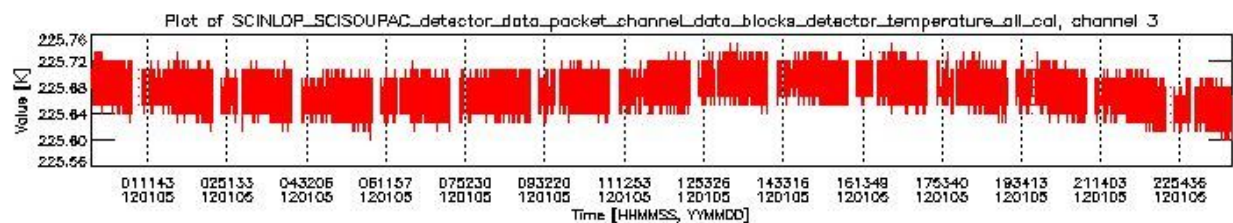
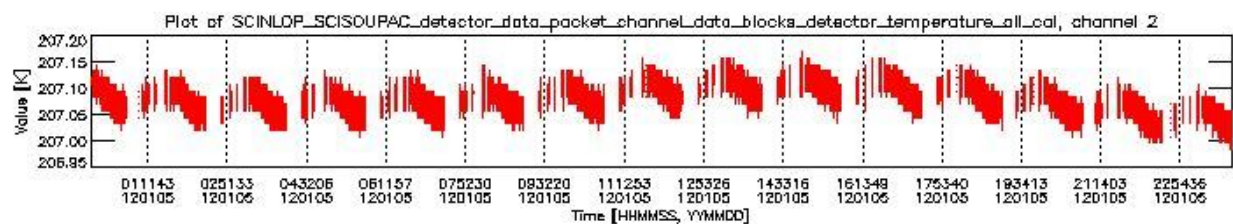
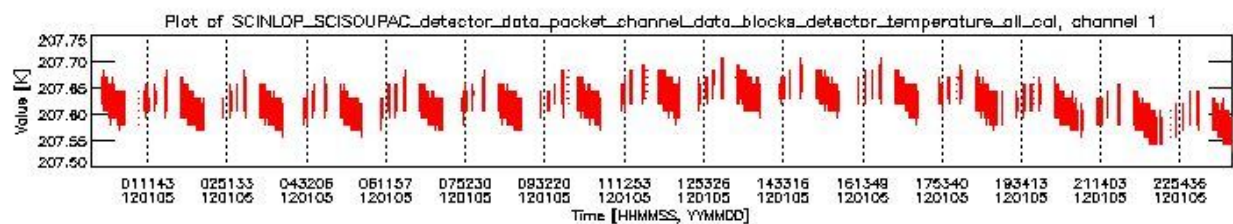


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120105\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120105\_3.PNG



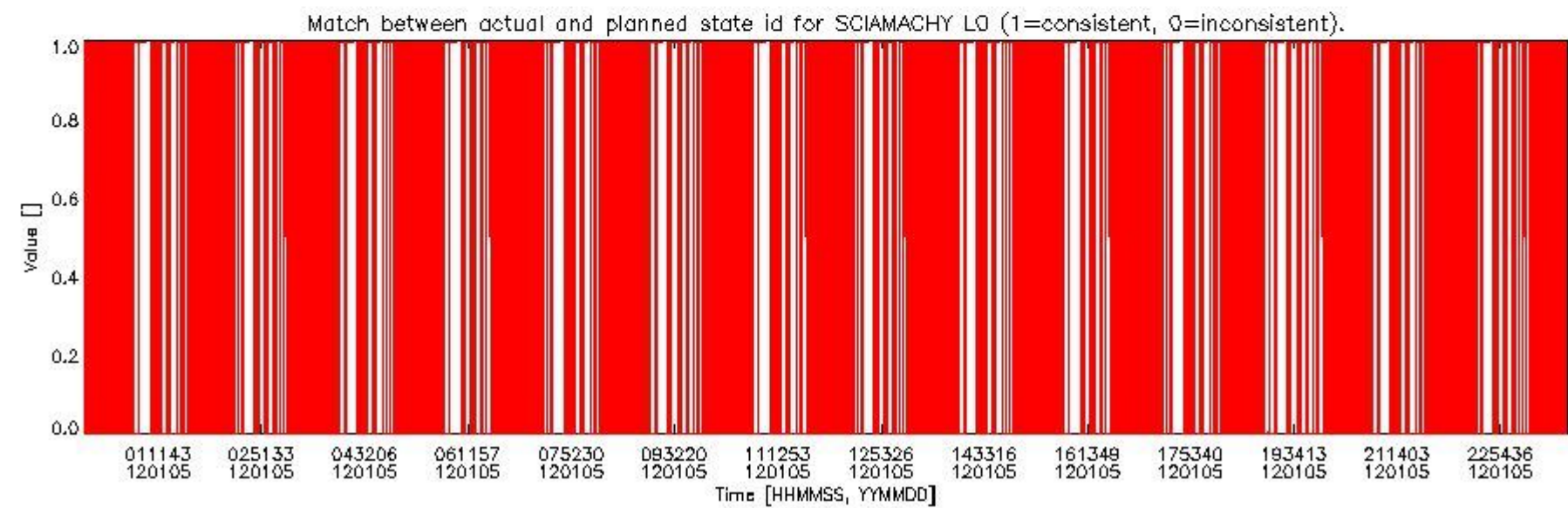
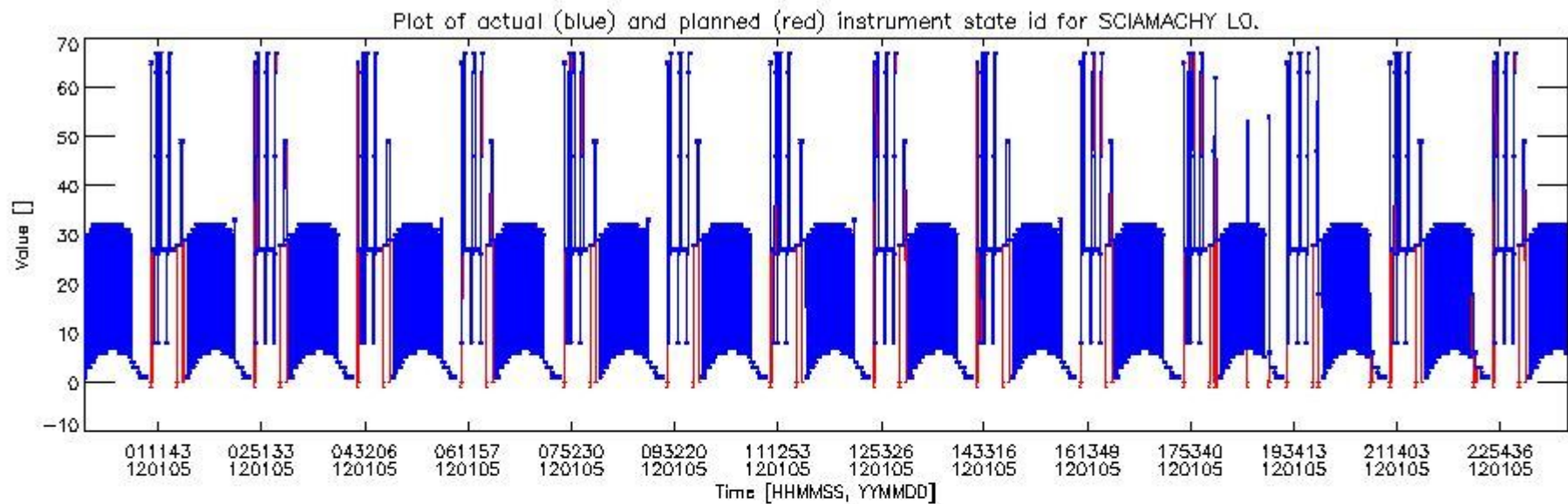


### 0.3 State monitoring

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: **42241**

#	Actual time	Actual value	Planned time	Planned value
0	05JAN2012 00:00:05.390265	1	05JAN2012 00:00:05.390265	30
1	05JAN2012 00:00:05.640265	1	05JAN2012 00:00:05.640265	30
2	05JAN2012 00:00:05.765265	1	05JAN2012 00:00:05.765265	30
3	05JAN2012 00:00:05.890265	1	05JAN2012 00:00:05.890265	30
4	05JAN2012 00:00:06.015265	1	05JAN2012 00:00:06.015265	30
5	05JAN2012 00:00:06.140265	1	05JAN2012 00:00:06.140265	30
6	05JAN2012 00:00:06.265265	1	05JAN2012 00:00:06.265265	30
7	05JAN2012 00:00:06.390265	1	05JAN2012 00:00:06.390265	30
8	05JAN2012 00:00:06.515265	1	05JAN2012 00:00:06.515265	30
9	05JAN2012 00:00:06.640265	1	05JAN2012 00:00:06.640265	30
10	05JAN2012 00:00:06.765265	1	05JAN2012 00:00:06.765265	30
11	05JAN2012 00:00:06.890265	1	05JAN2012 00:00:06.890265	30
12	05JAN2012 00:00:07.015265	1	05JAN2012 00:00:07.015265	30
13	05JAN2012 00:00:07.140265	1	05JAN2012 00:00:07.140265	30
14	05JAN2012 00:00:07.265265	1	05JAN2012 00:00:07.265265	30
15	05JAN2012 00:00:07.390265	1	05JAN2012 00:00:07.390265	30
16	05JAN2012 00:00:07.515265	1	05JAN2012 00:00:07.515265	30
17	05JAN2012 00:00:07.640265	1	05JAN2012 00:00:07.640265	30
18	05JAN2012 00:00:07.765265	1	05JAN2012 00:00:07.765265	30
19	05JAN2012 00:00:07.890265	1	05JAN2012 00:00:07.890265	30
...	...	...	...	...



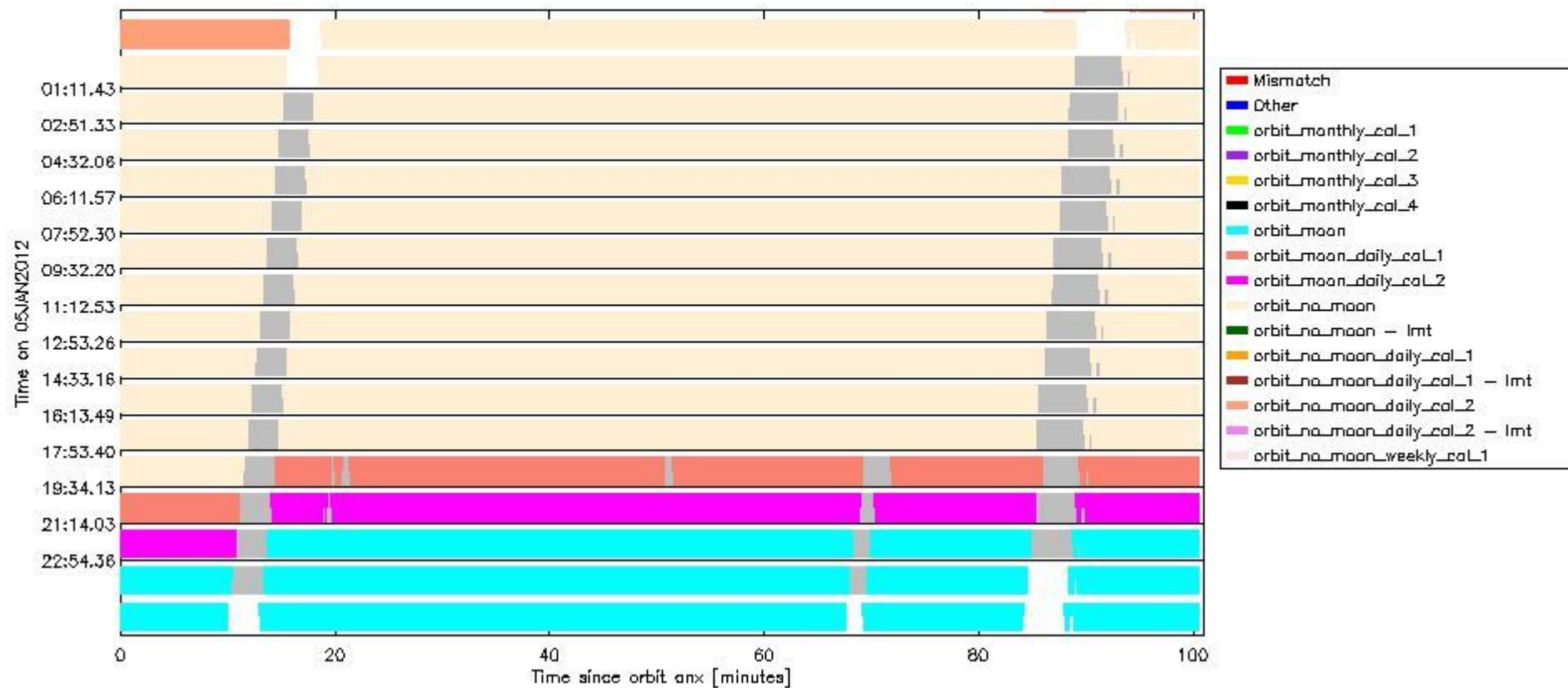
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120105\_5.PNG

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 05JAN2012.  
 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\_4504\_N\_20120105\_6.PNG

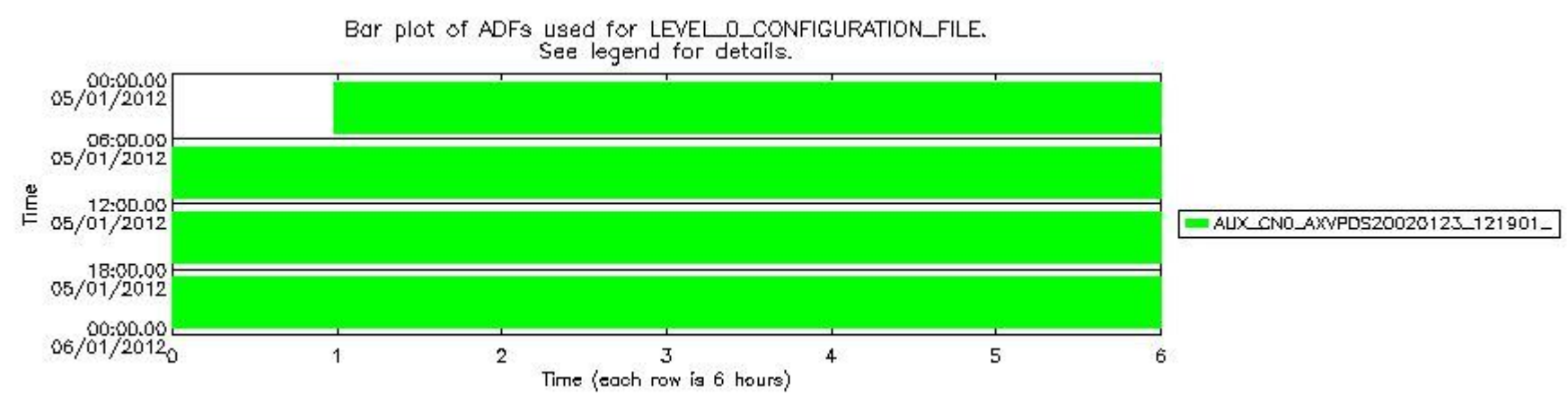
## 0.4 ADF monitoring

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

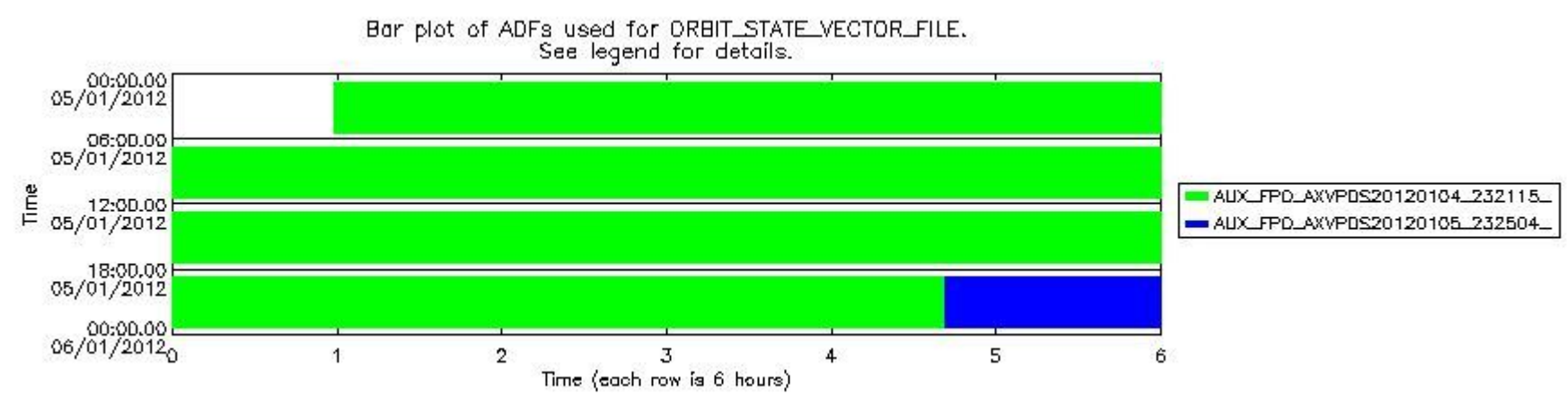
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

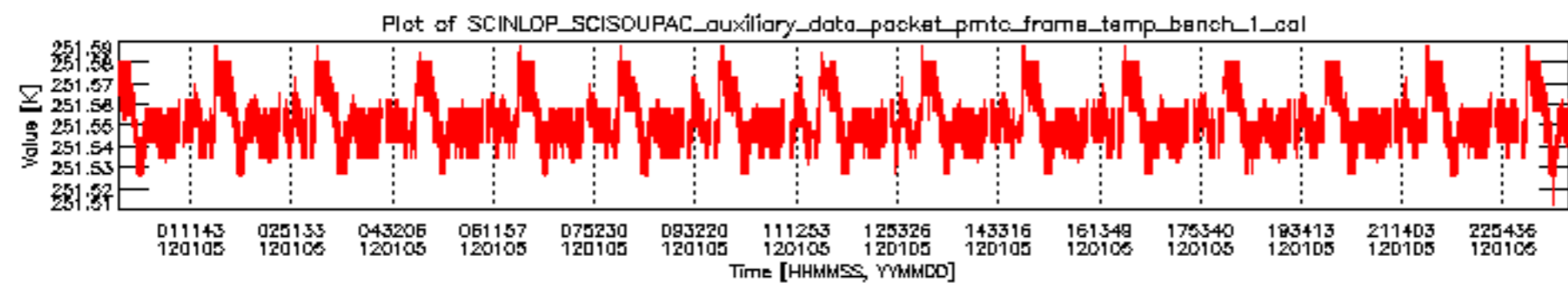
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20120104_232115_20120104_183037_20120114_204417</b>
2	<b>AUX_FPO_AXVPDS20120105_232504_20120105_193406_20120115_200732</b>



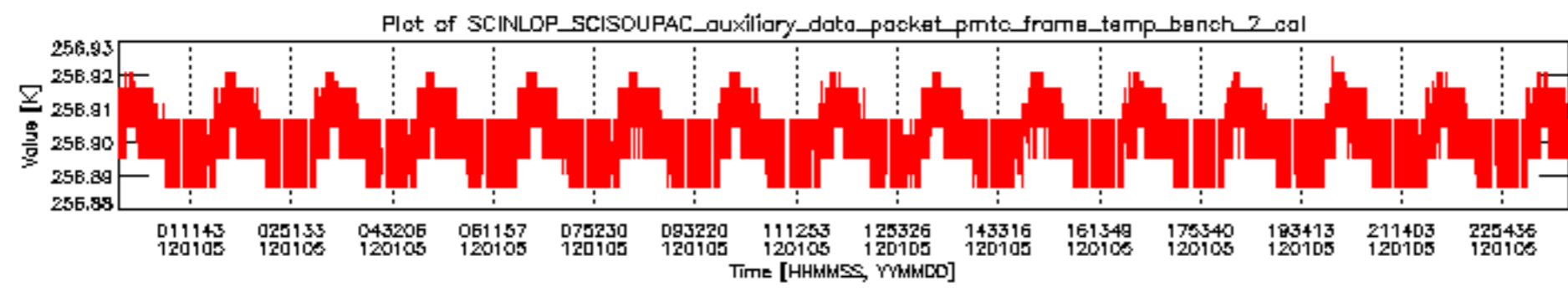
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120105\_7.PNG

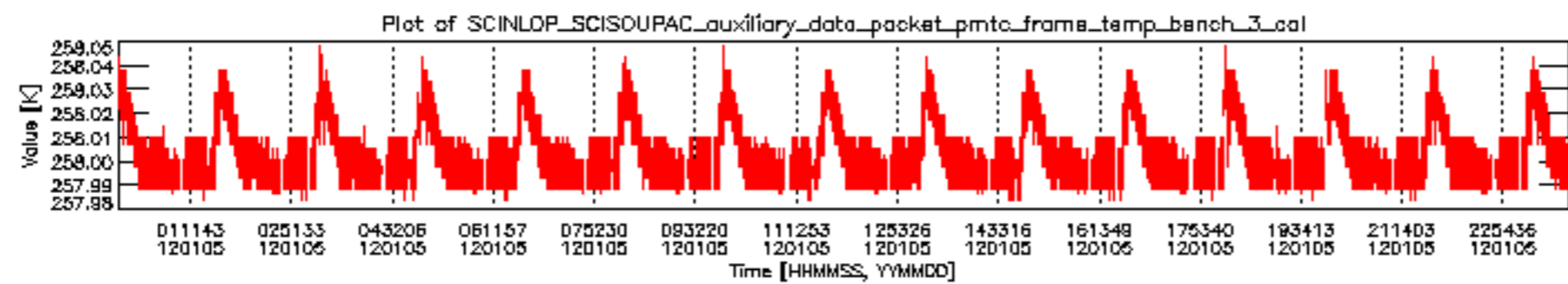


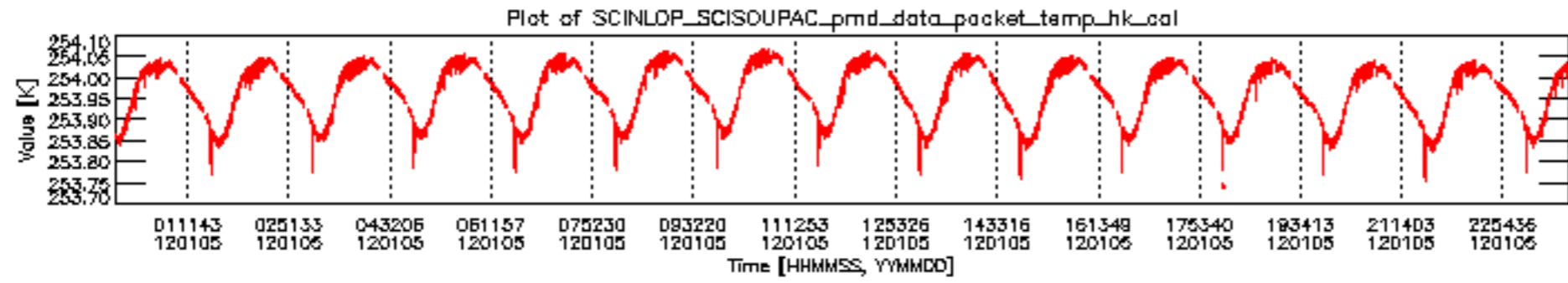
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120105\_8.PNG

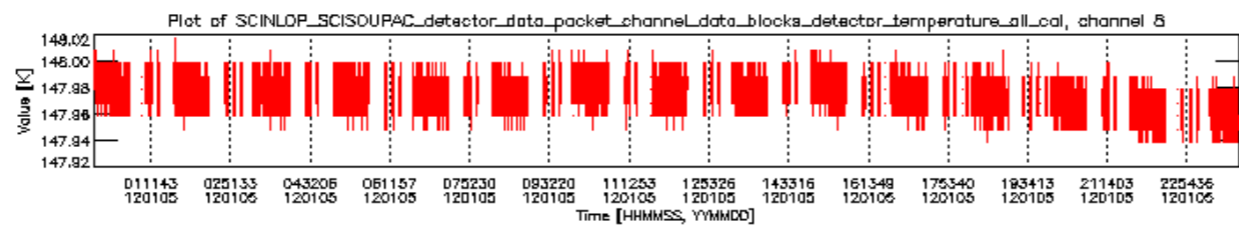
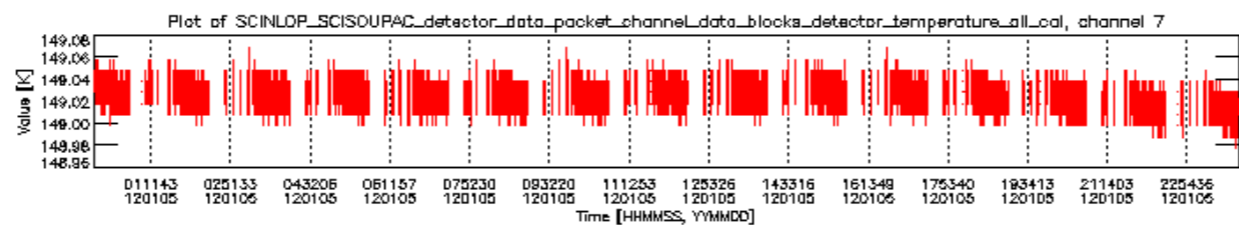
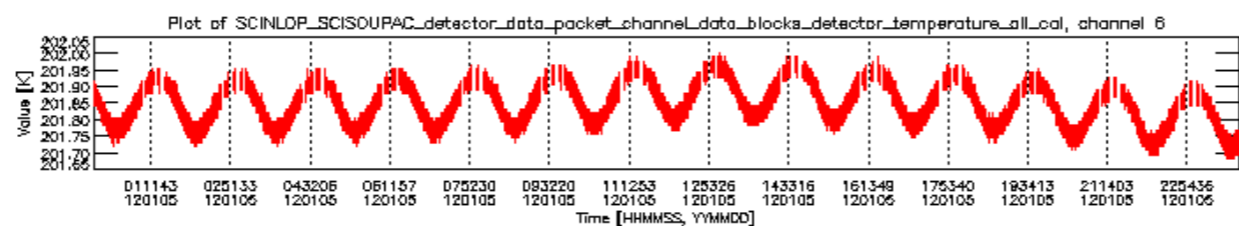
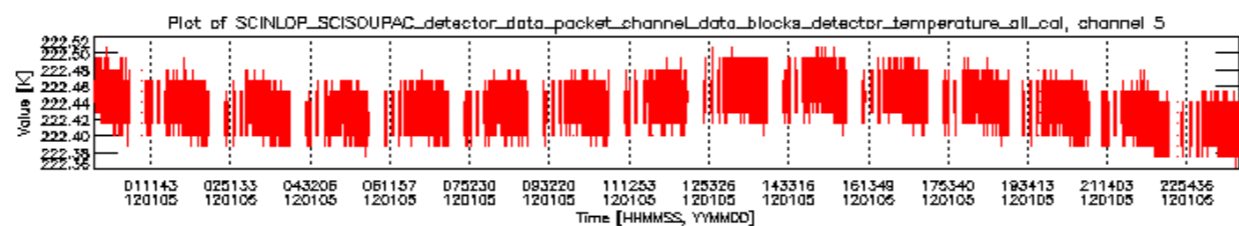
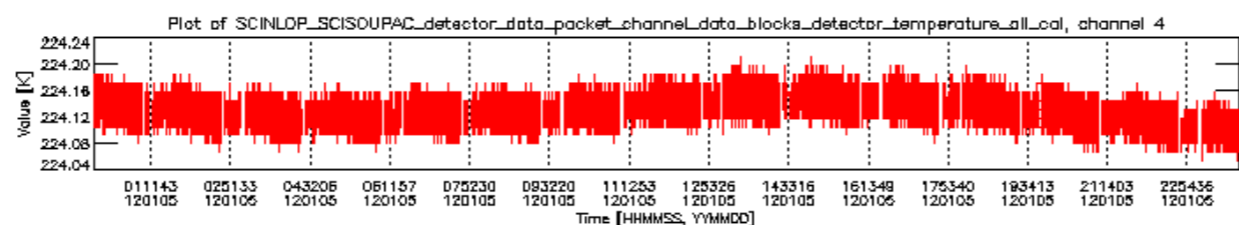
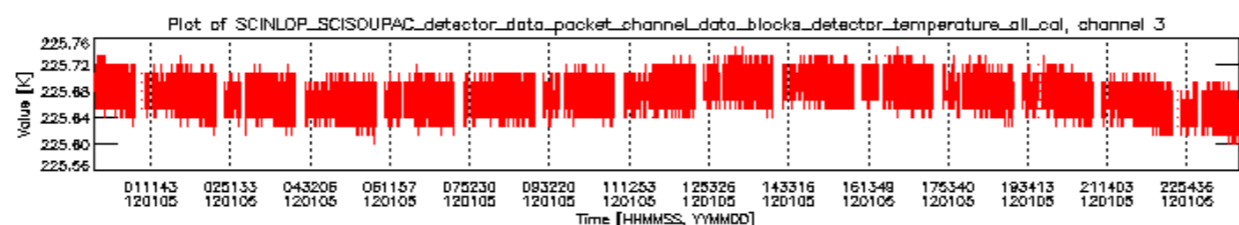
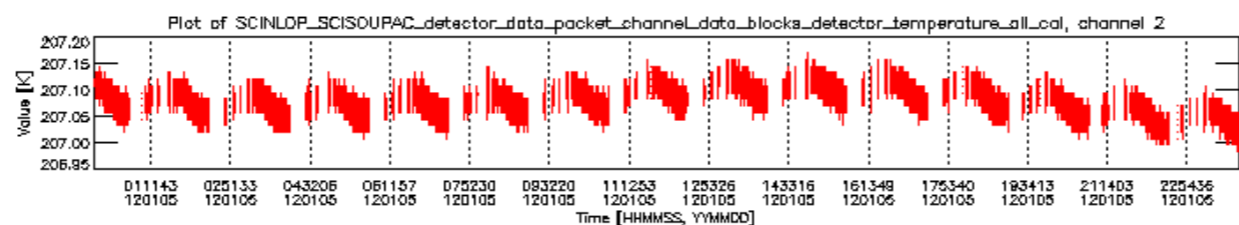
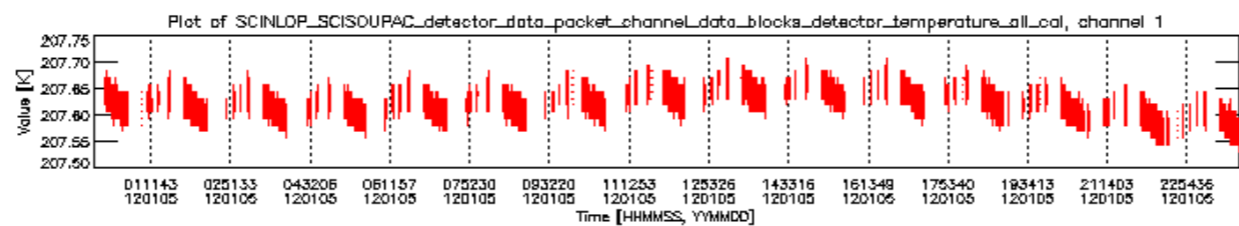




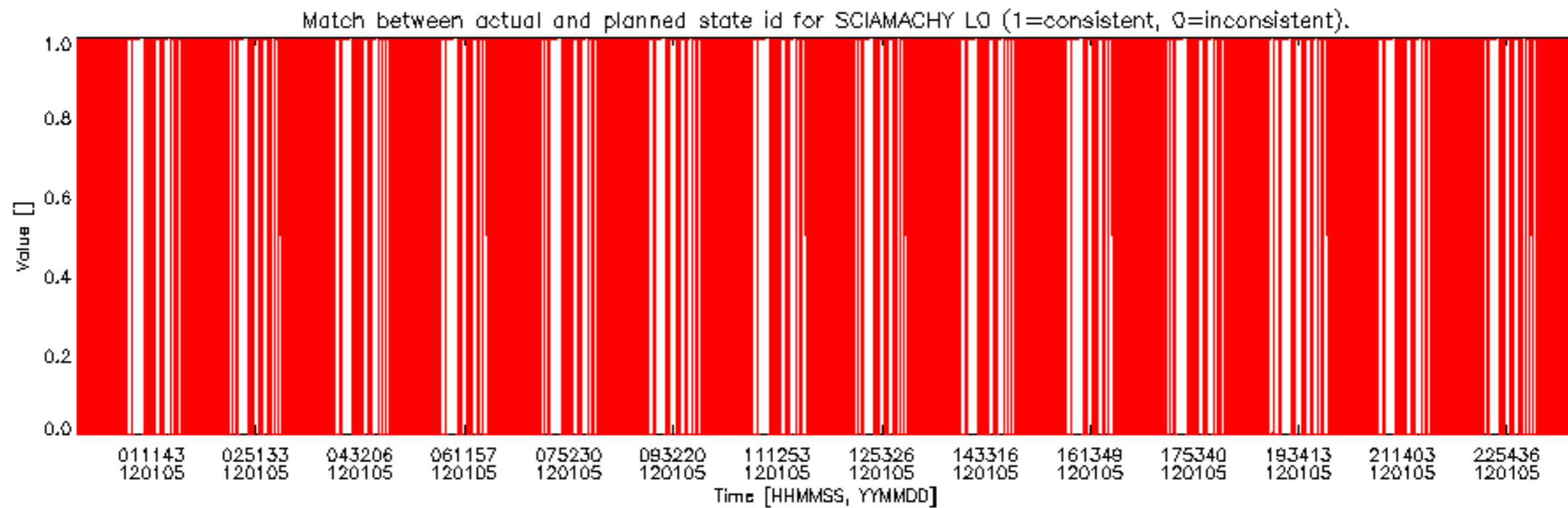
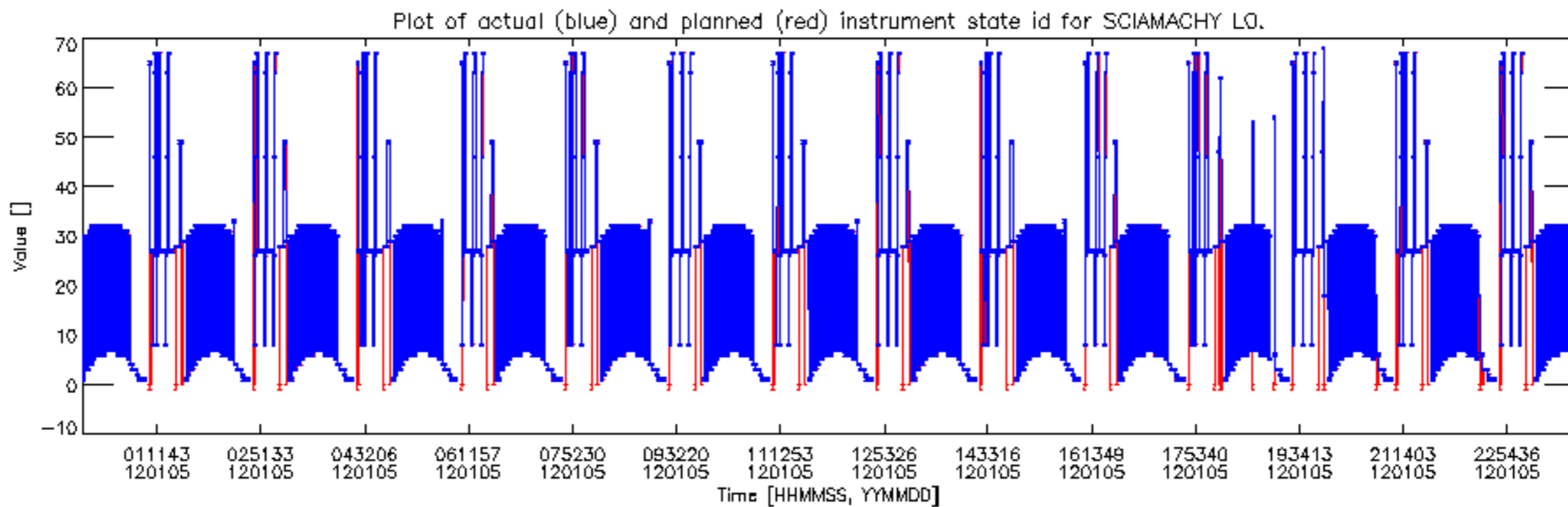












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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