

# 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	22SEP2006 07:10:26
Data source version	PFHS/5.37-N
Processing scope for products	18SEP2006 00:00:00 to 19SEP2006 00:00:00
Start time of first product within scope	17SEP2006 23:17:42
Stop time of last product within scope	19SEP2006 00:28:18
Total number of level 0 products	16
Number of level 0 products with errors	16

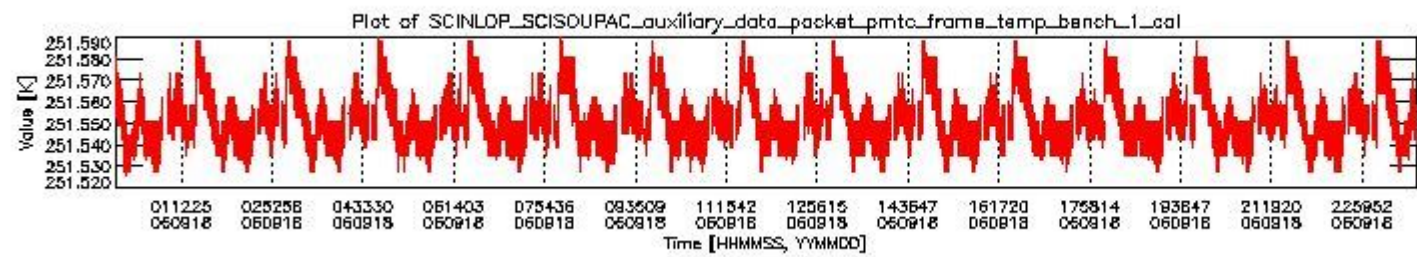
### 0.1.2 Summary per product

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

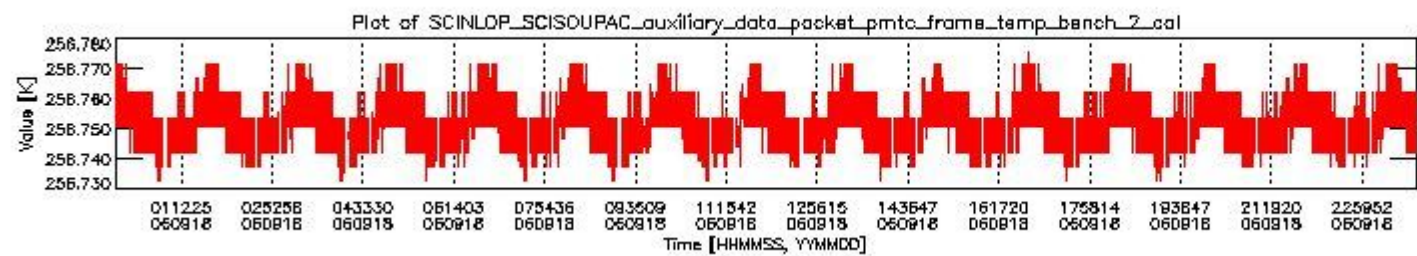
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060917_231742_000061252051_00187_23788_0613.N1	17SEP2006 23:17:42	18SEP2006 00:59:47	1	0	1	0	0
1	SCI_NL__OPNPDE20060918_005903_000042982051_00188_23789_0614.N1	18SEP2006 00:59:03	18SEP2006 02:10:42	1	0	1	0	0
2	SCI_NL__OPNPDE20060918_021042_000061052051_00189_23790_0615.N1	18SEP2006 02:10:42	18SEP2006 03:52:27	1	0	1	0	0
3	SCI_NL__OPNPDE20060918_035227_000060922051_00190_23791_0616.N1	18SEP2006 03:52:27	18SEP2006 05:34:00	1	0	1	0	0
4	SCI_NL__OPNPDE20060918_053251_000061052051_00191_23792_0617.N1	18SEP2006 05:32:51	18SEP2006 07:14:36	1	0	1	0	0
5	SCI_NL__OPNPDK20060918_071436_000039772051_00192_23793_0756.N1	18SEP2006 07:14:36	18SEP2006 08:20:53	1	0	1	0	0
6	SCI_NL__OPNPDK20060918_082053_000061732051_00193_23794_0749.N1	18SEP2006 08:20:53	18SEP2006 10:03:47	1	0	1	0	0
7	SCI_NL__OPNPDK20060918_100238_000059672051_00194_23795_0750.N1	18SEP2006 10:02:38	18SEP2006 11:42:06	1	0	1	0	0
8	SCI_NL__OPNPDK20060918_114206_000059802051_00195_23796_0751.N1	18SEP2006 11:42:06	18SEP2006 13:21:47	1	0	1	0	0
9	SCI_NL__OPNPDK20060918_132051_000060232051_00196_23797_0752.N1	18SEP2006 13:20:51	18SEP2006 15:01:15	1	0	1	0	0
10	SCI_NL__OPNPDK20060918_150019_000058562051_00197_23798_0753.N1	18SEP2006 15:00:19	18SEP2006 16:37:55	1	0	1	0	0
11	SCI_NL__OPNPDK20060918_163550_000059042051_00198_23799_0754.N1	18SEP2006 16:35:50	18SEP2006 18:14:15	1	0	1	0	0
12	SCI_NL__OPNPDK20060918_181415_000060772051_00199_23800_0755.N1	18SEP2006 18:14:15	18SEP2006 19:55:32	1	0	1	0	0
13	SCI_NL__OPNPDE20060918_195254_000039412051_00200_23801_0619.N1	18SEP2006 19:52:54	18SEP2006 20:58:35	1	0	1	0	0
14	SCI_NL__OPNPDE20060918_205727_000065732051_00200_23801_0620.N1	18SEP2006 20:57:27	18SEP2006 22:47:00	1	0	1	0	0
15	SCI_NL__OPNPDE20060918_224613_000061252051_00201_23802_0621.N1	18SEP2006 22:46:13	19SEP2006 00:28:18	1	0	1	0	0

## 0.2 Product Quality Indicators

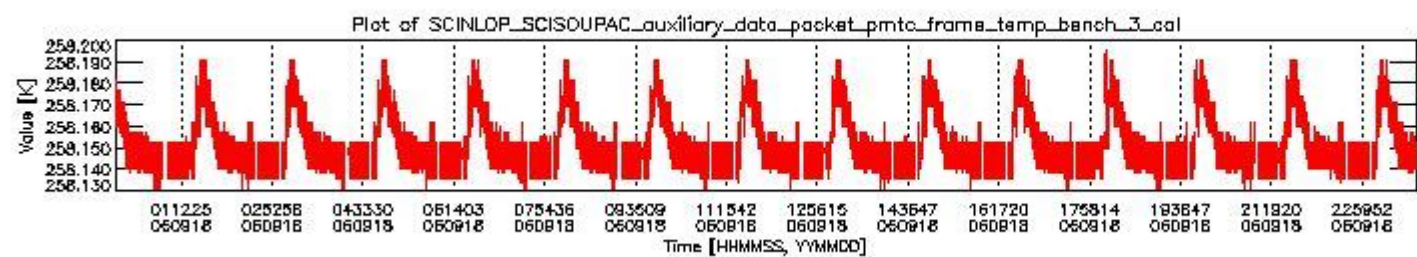
This section shows information about product quality, currently temperatures.



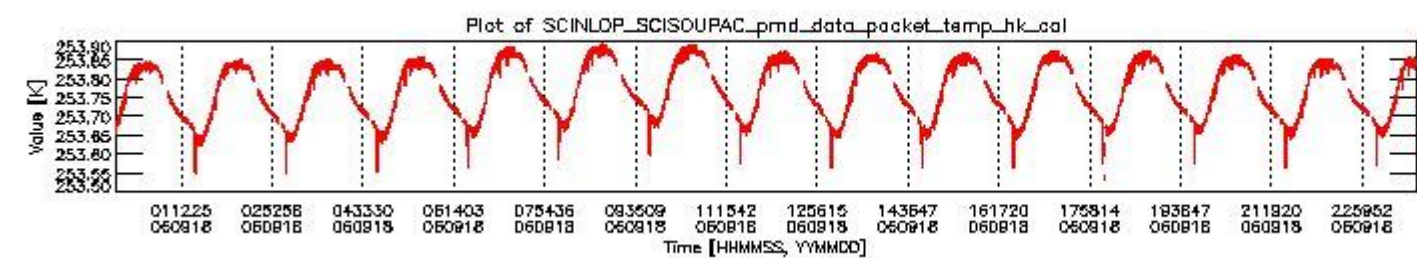
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060918\_0.PNG



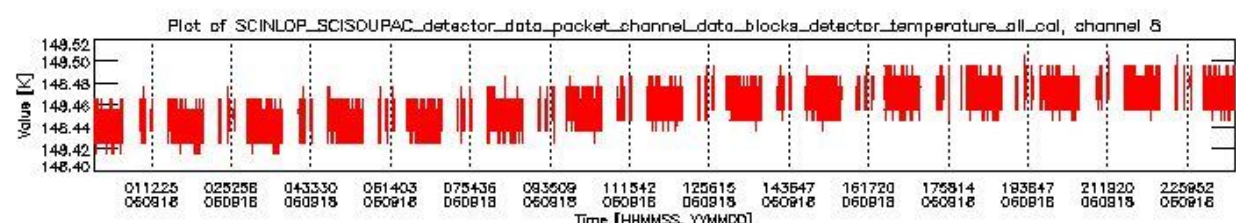
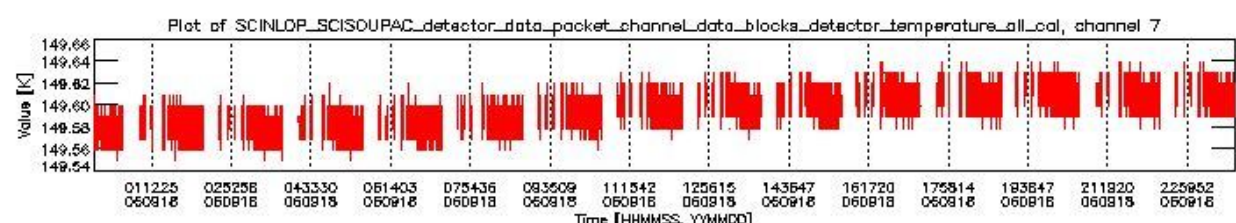
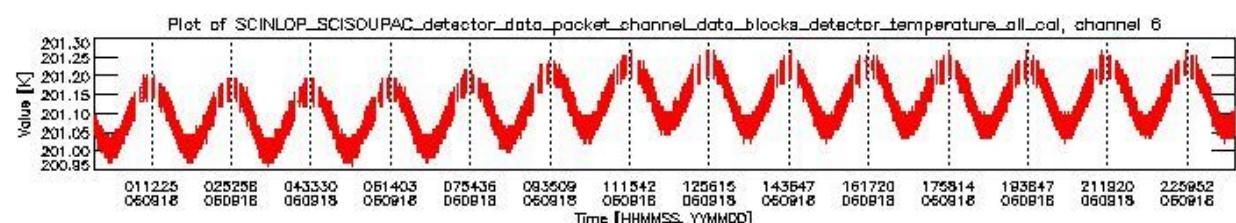
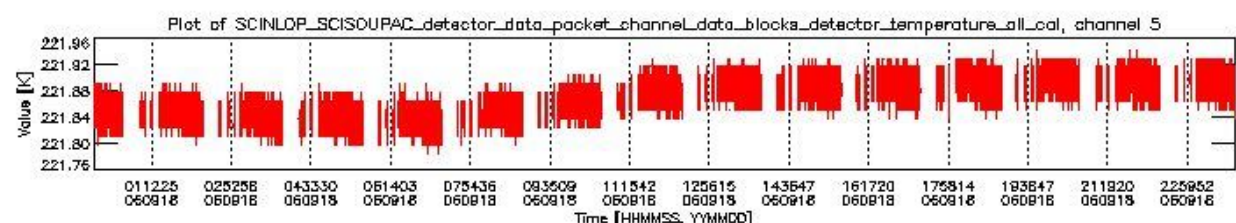
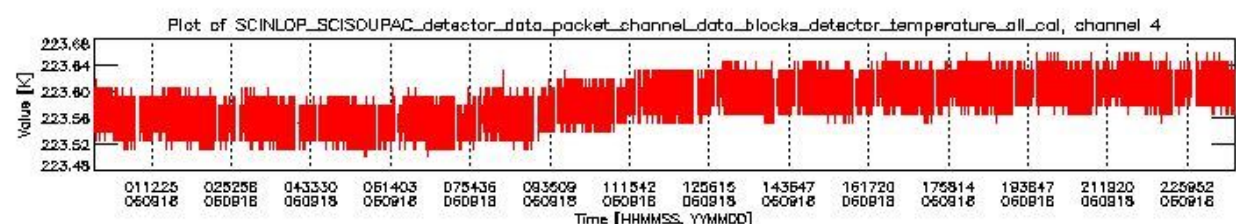
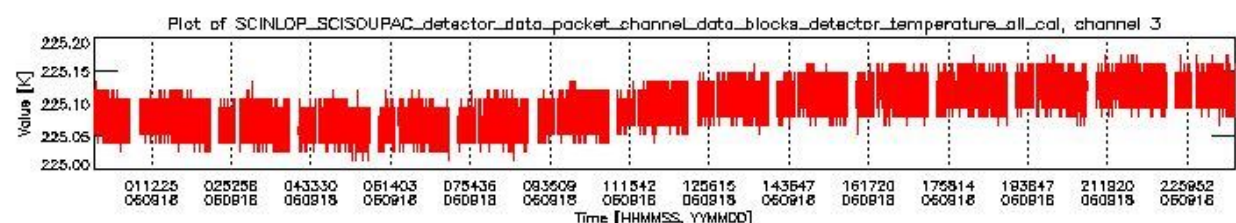
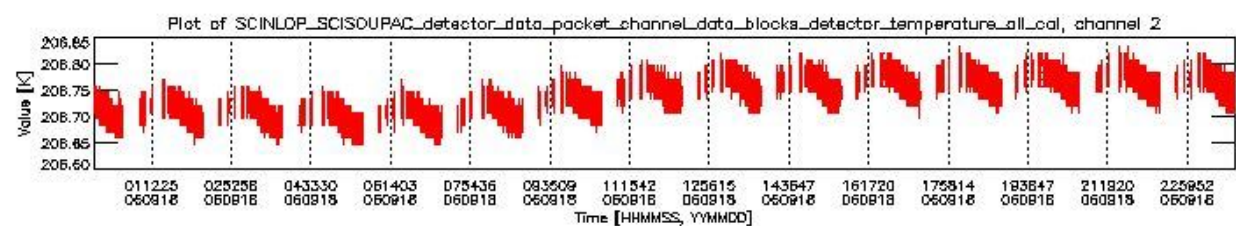
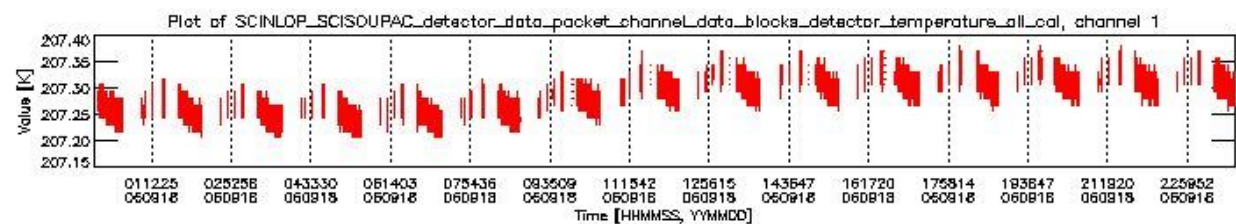
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060918\_1.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060918\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060918\_3.PNG

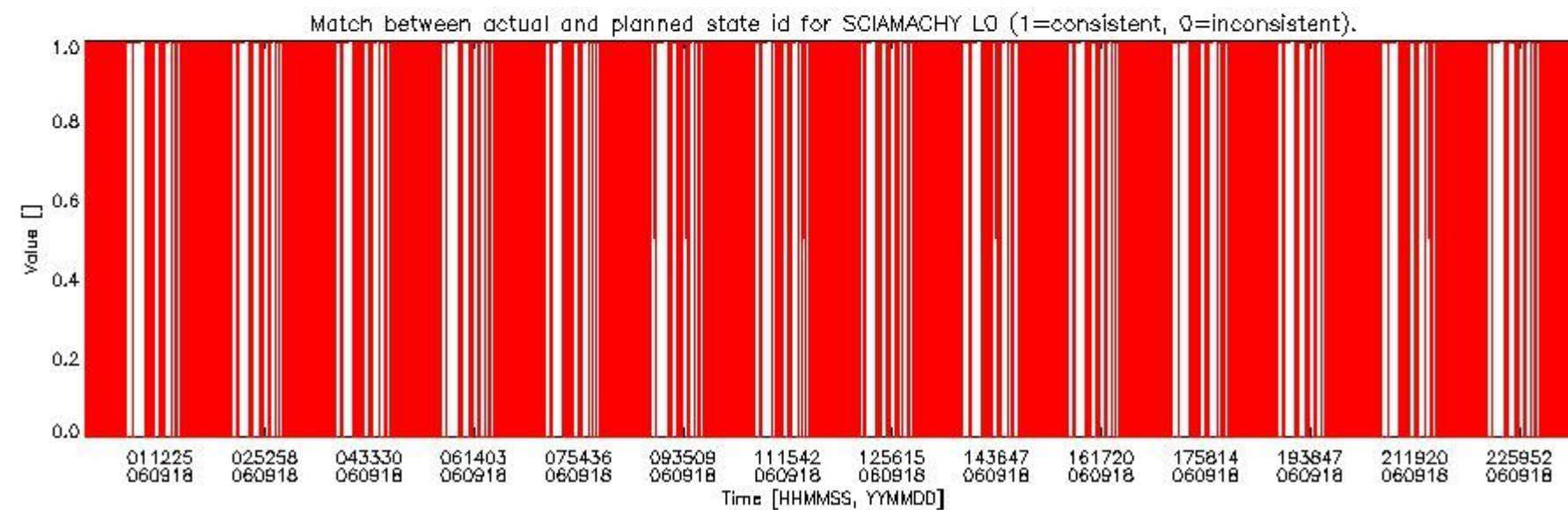
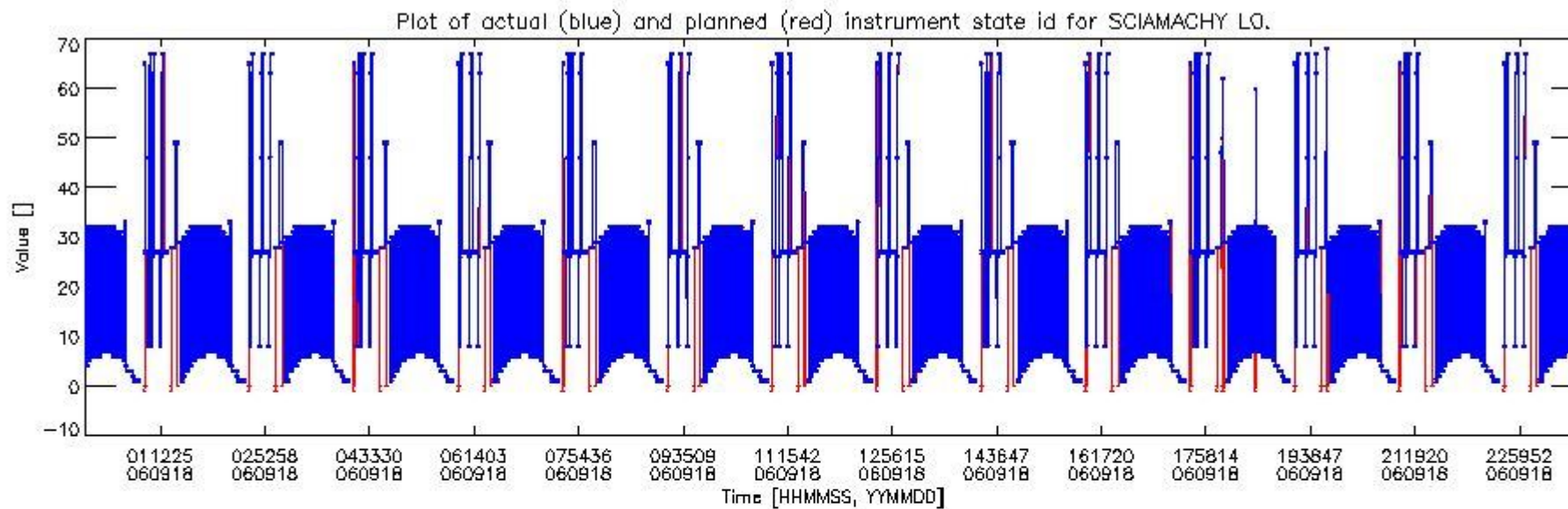


### 0.3 State monitoring

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: **16412**

#	Actual time	Actual value	Planned time	Planned value
0	18SEP2006 00:00:08.376016	32	18SEP2006 00:00:08.376016	4
1	18SEP2006 00:00:09.001037	32	18SEP2006 00:00:09.001037	4
2	18SEP2006 00:00:09.376010	32	18SEP2006 00:00:09.376010	4
3	18SEP2006 00:00:09.751023	32	18SEP2006 00:00:09.751023	4
4	18SEP2006 00:00:10.313523	32	18SEP2006 00:00:10.313523	4
5	18SEP2006 00:00:10.688536	32	18SEP2006 00:00:10.688536	4
6	18SEP2006 00:00:11.063549	32	18SEP2006 00:00:11.063549	4
7	18SEP2006 00:00:11.438522	32	18SEP2006 00:00:11.438522	4
8	18SEP2006 00:00:12.001021	32	18SEP2006 00:00:12.001021	4
9	18SEP2006 00:01:04.243224	4	18SEP2006 00:01:04.243224	32
10	18SEP2006 00:01:04.493233	4	18SEP2006 00:01:04.493233	32
11	18SEP2006 00:01:04.618197	4	18SEP2006 00:01:04.618197	32
12	18SEP2006 00:01:04.743201	4	18SEP2006 00:01:04.743201	32
13	18SEP2006 00:01:04.868206	4	18SEP2006 00:01:04.868206	32
14	18SEP2006 00:01:04.993210	4	18SEP2006 00:01:04.993210	32
15	18SEP2006 00:01:05.118214	4	18SEP2006 00:01:05.118214	32
16	18SEP2006 00:01:05.243219	4	18SEP2006 00:01:05.243219	32
17	18SEP2006 00:01:05.368223	4	18SEP2006 00:01:05.368223	32
18	18SEP2006 00:01:05.493228	4	18SEP2006 00:01:05.493228	32
19	18SEP2006 00:01:05.618232	4	18SEP2006 00:01:05.618232	32
...	...	...	...	...

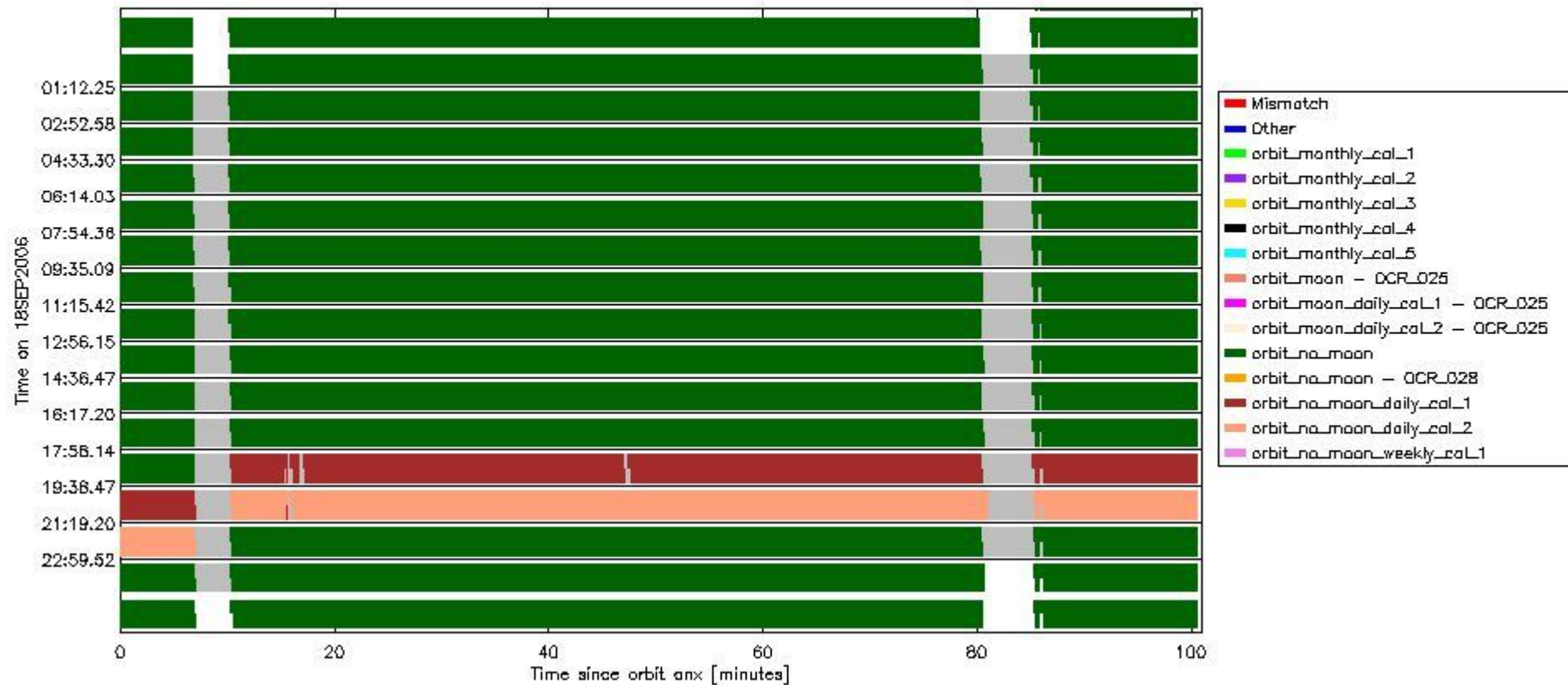


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060918\_5.PNG

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 18SEP2006.  
 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\_PPHS\_5\_37\_N\_20060918\_6.PNG

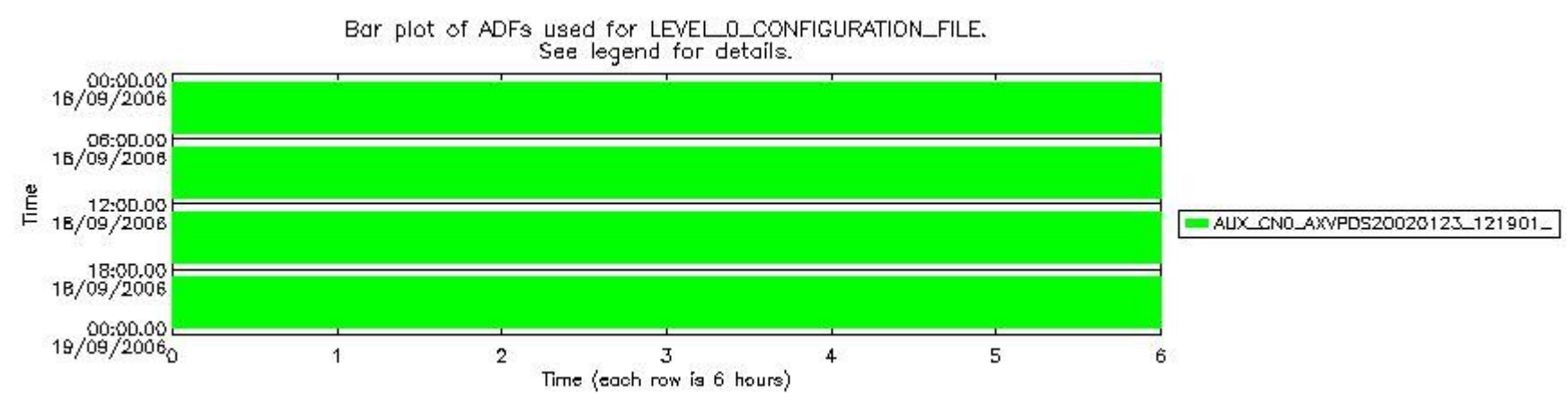
## 0.4 ADF monitoring

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

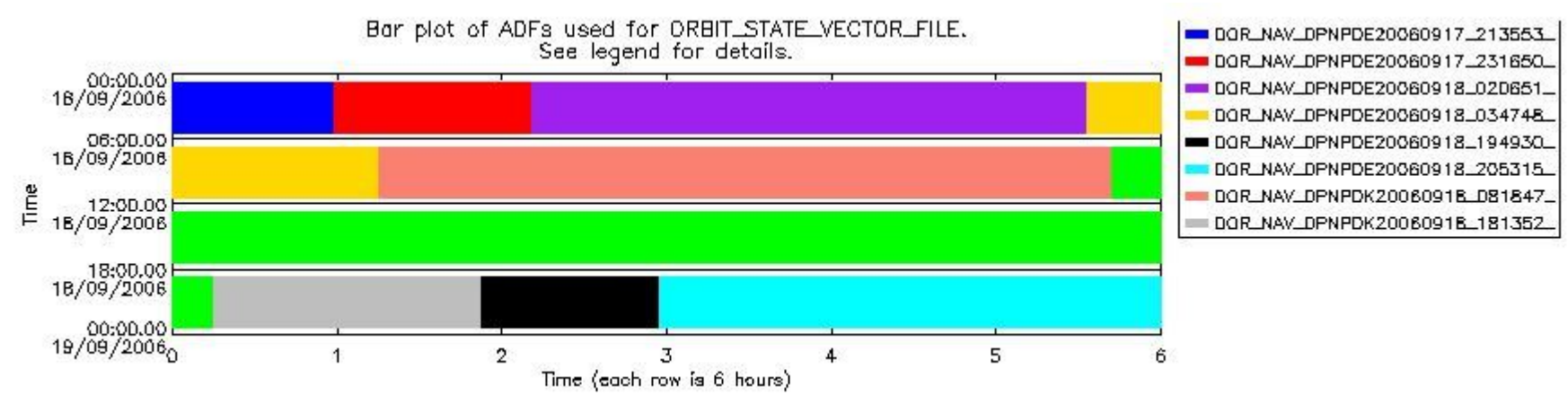
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

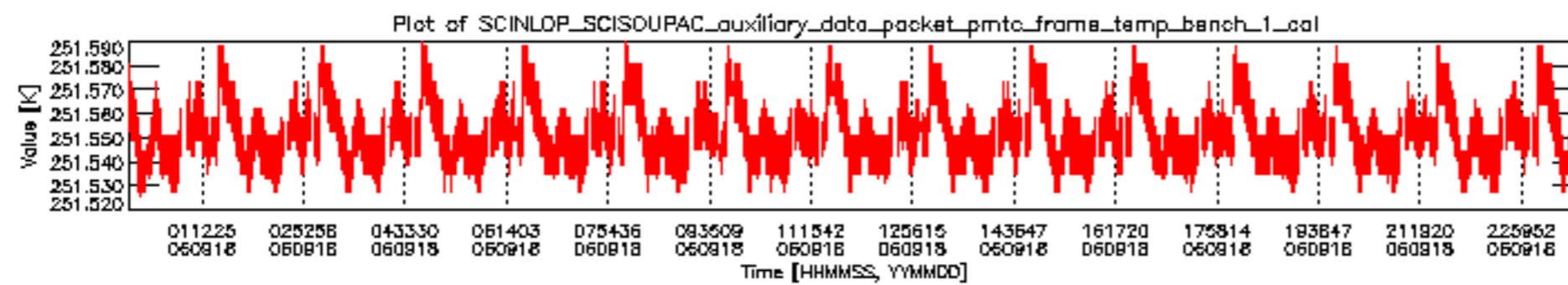
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060917_232407_20060917_182946_20060927_213638
2	DOR_NAV_0PNPDE20060917_213553_000057382051_00186_23787_0578.N1
3	DOR_NAV_0PNPDE20060917_231650_000057382051_00187_23788_0579.N1
4	DOR_NAV_0PNPDE20060918_020651_000057382051_00189_23790_0581.N1
5	DOR_NAV_0PNPDE20060918_034748_000057382051_00190_23791_0582.N1
6	DOR_NAV_0PNPDE20060918_194930_000038252051_00200_23801_0585.N1
7	DOR_NAV_0PNPDE20060918_205315_000063752051_00200_23801_0586.N1
8	DOR_NAV_0PNPDK20060918_081847_000057382051_00193_23794_0770.N1
9	DOR_NAV_0PNPDK20060918_181352_000057382051_00199_23800_0776.N1



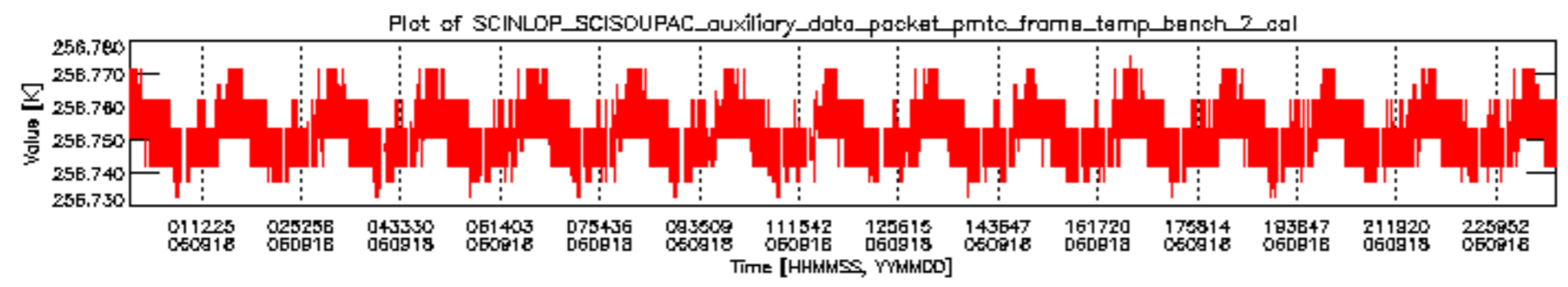
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060918\_7.PNG

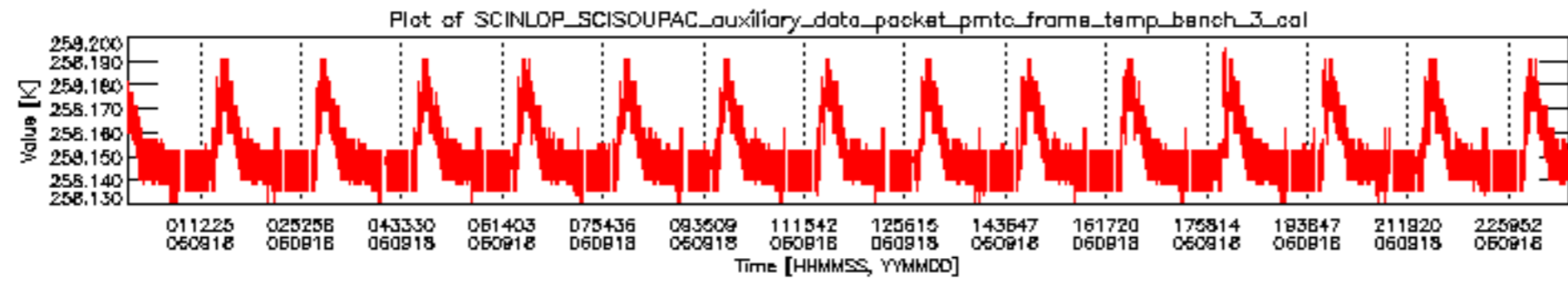


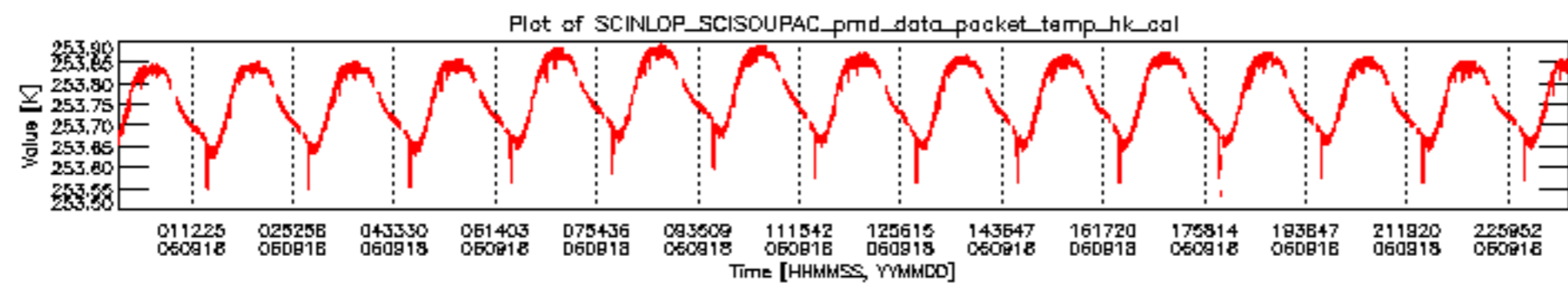
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060918\_8.PNG

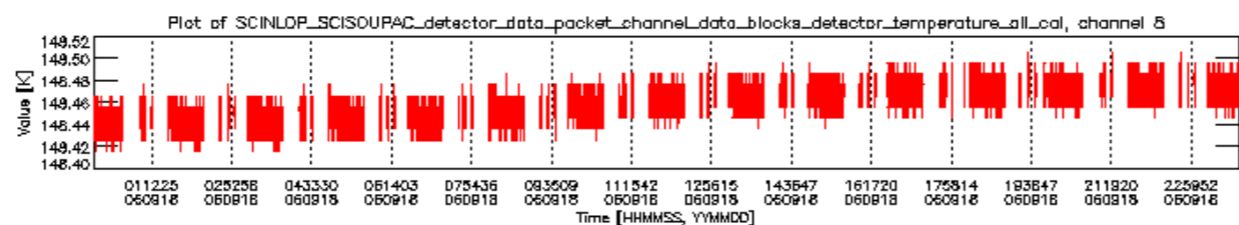
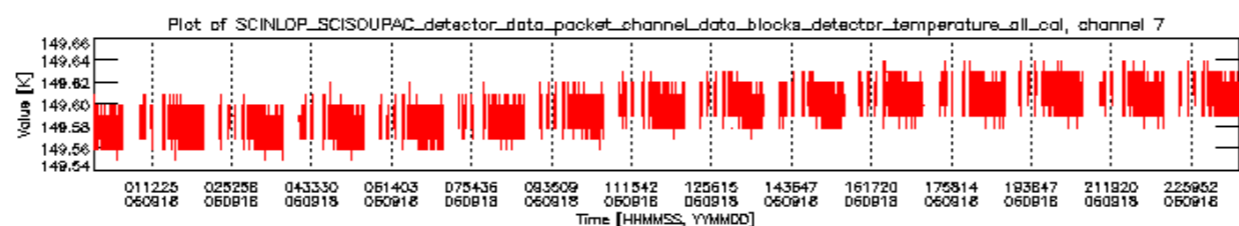
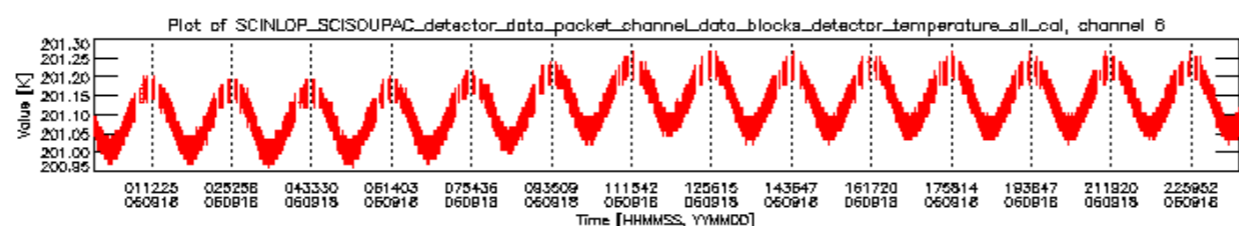
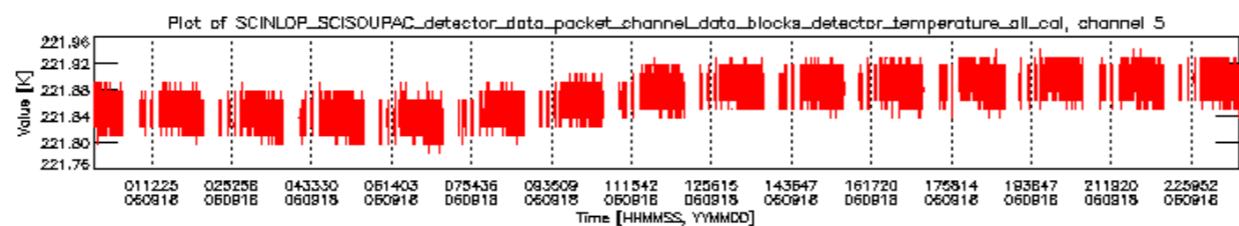
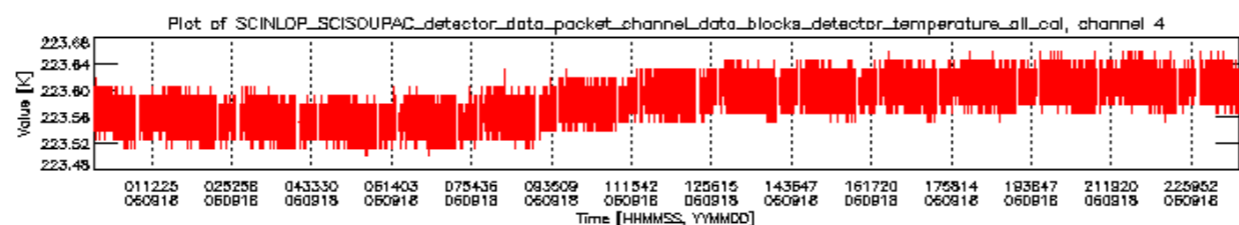
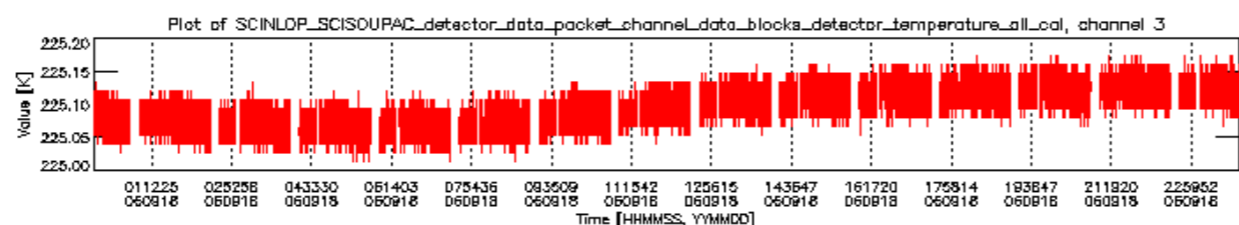
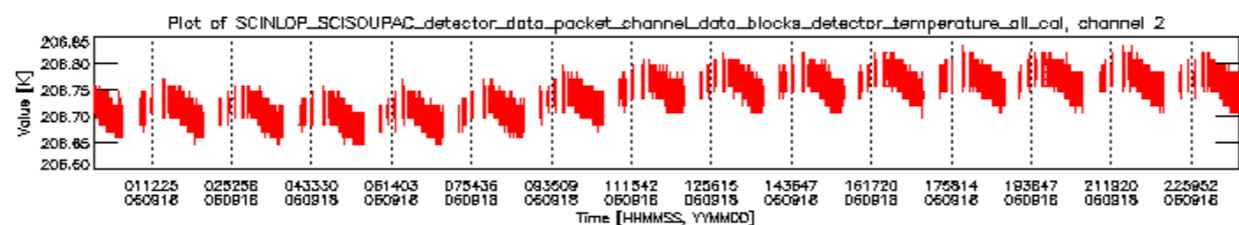
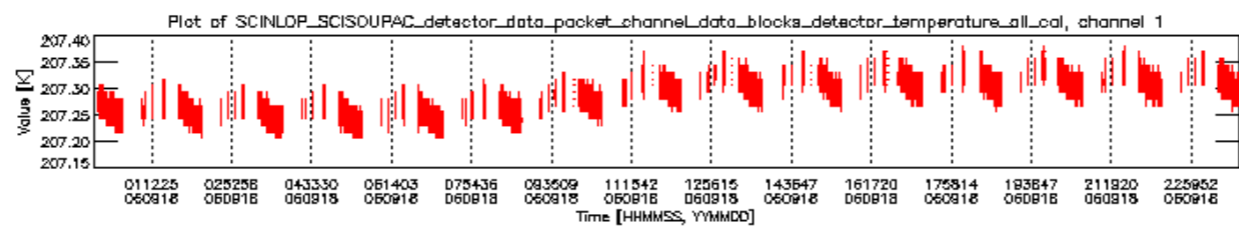


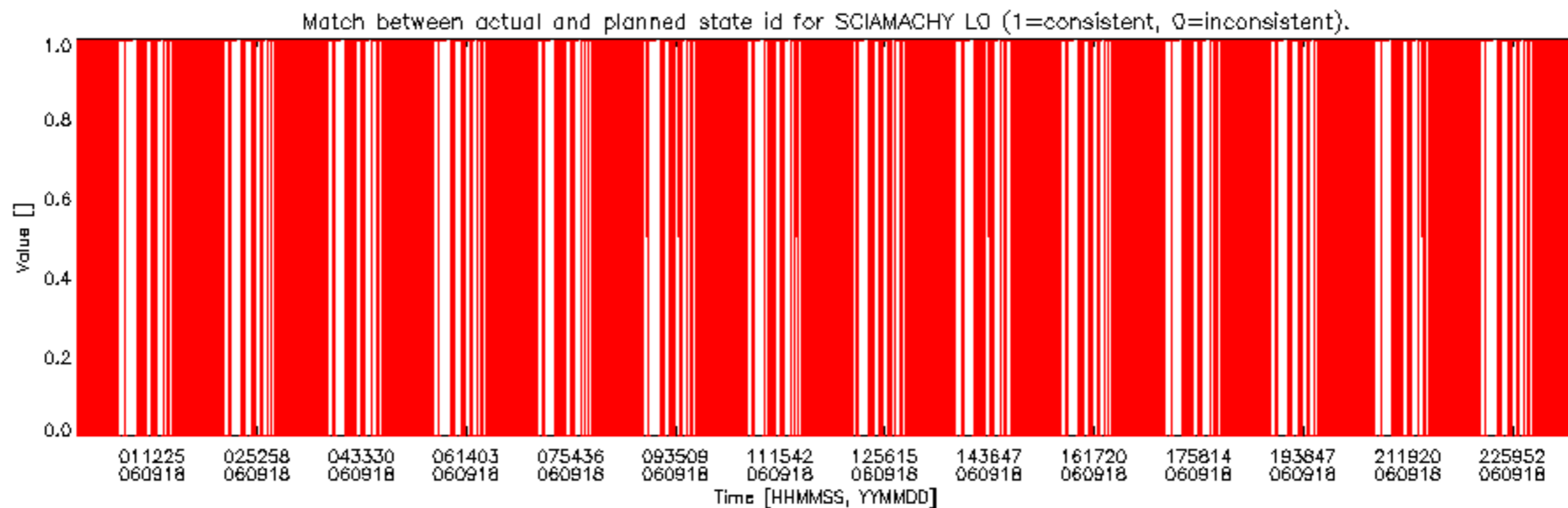
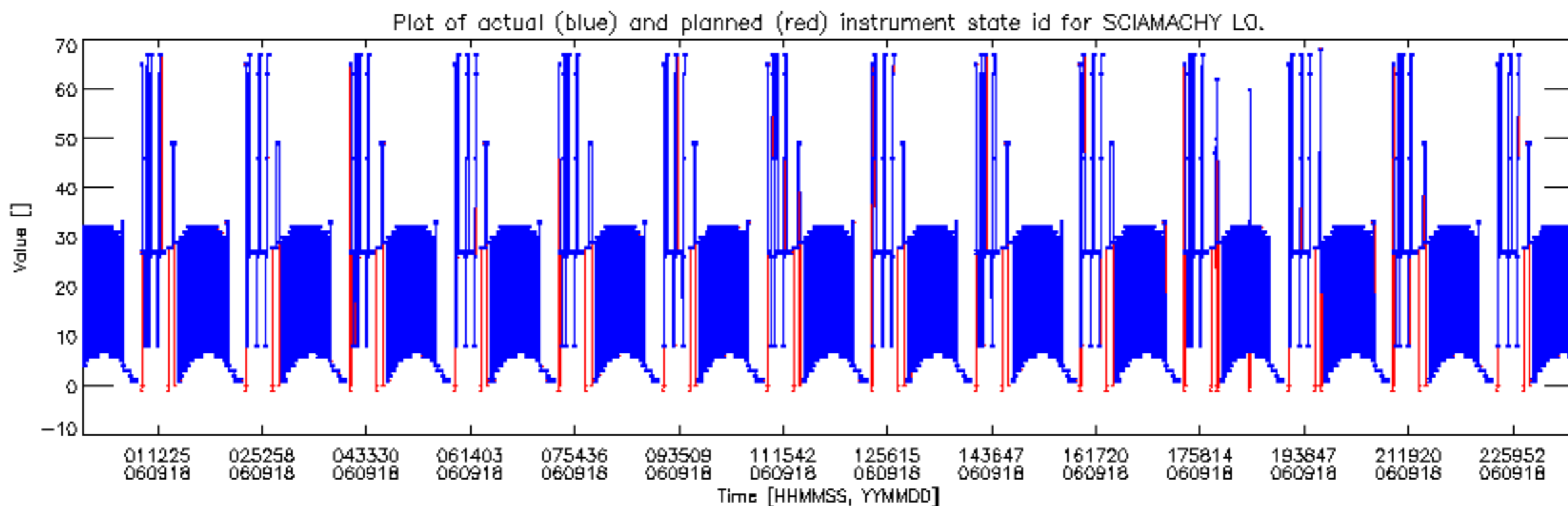












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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