

## 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	13JUN2008 04:43:35
Data source version	KSPT_L0/4303-N
Processing scope for products	09JUN2008 00:00:00 to 10JUN2008 00:00:00
Start time of first product within scope	08JUN2008 23:20:01
Stop time of last product within scope	10JUN2008 00:30:31
Total number of level 0 products	16
Number of level 0 products with errors	0

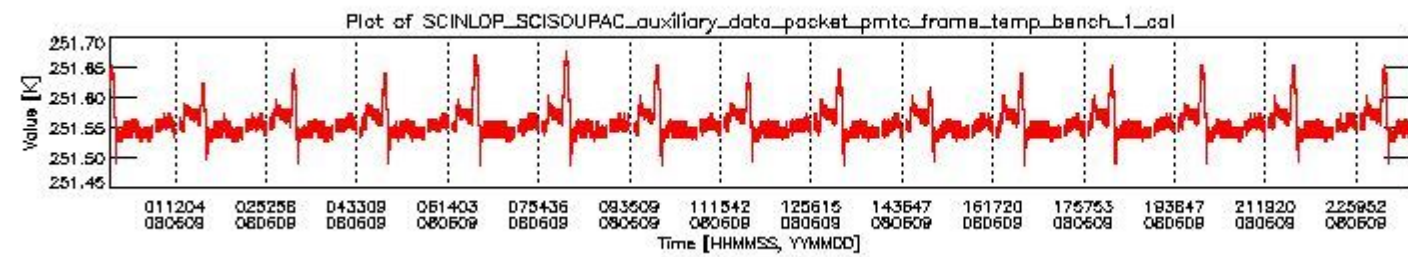
### 0.1.2 Summary per product

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

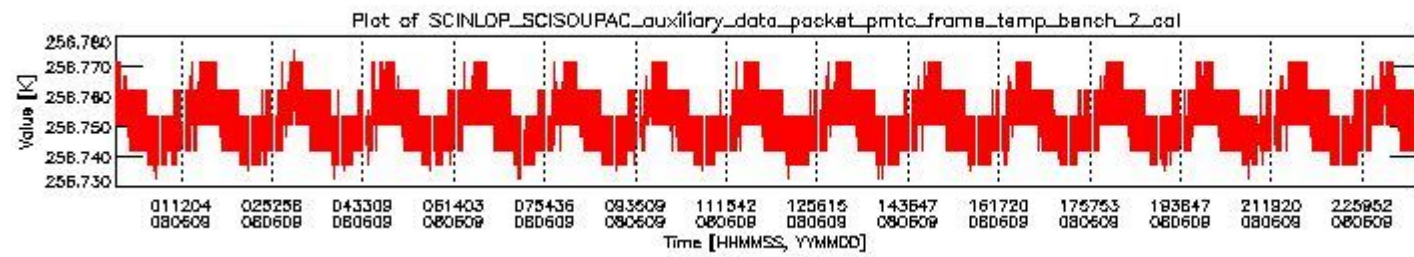
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080608_232001_000060952069_00187_32806_6930.N1	08JUN2008 23:20:01	09JUN2008 01:01:35	0	0	0	0	0
1	SCI_NL__OPNPDE20080609_010048_000046042069_00188_32807_6931.N1	09JUN2008 01:00:48	09JUN2008 02:17:32	0	0	0	0	0
2	SCI_NL__OPNPDE20080609_021623_000058302069_00189_32808_6932.N1	09JUN2008 02:16:23	09JUN2008 03:53:33	0	0	0	0	0
3	SCI_NL__OPNPDE20080609_035225_000061042069_00190_32809_6933.N1	09JUN2008 03:52:25	09JUN2008 05:34:09	0	0	0	0	0
4	SCI_NL__OPNPDE20080609_053409_000060922069_00191_32810_6934.N1	09JUN2008 05:34:09	09JUN2008 07:15:41	0	0	0	0	0
5	SCI_NL__OPNPDK20080609_071445_000040452069_00192_32811_8437.N1	09JUN2008 07:14:45	09JUN2008 08:22:10	0	0	0	0	0
6	SCI_NL__OPNPDK20080609_082210_000060922069_00193_32812_8438.N1	09JUN2008 08:22:10	09JUN2008 10:03:42	0	0	0	0	0
7	SCI_NL__OPNPDK20080609_100342_000059242069_00194_32813_8439.N1	09JUN2008 10:03:42	09JUN2008 11:42:26	0	0	0	0	0
8	SCI_NL__OPNPDK20080609_114226_000059672069_00195_32814_8440.N1	09JUN2008 11:42:26	09JUN2008 13:21:53	0	0	0	0	0
9	SCI_NL__OPNPDK20080609_132153_000059112069_00196_32815_8441.N1	09JUN2008 13:21:53	09JUN2008 15:00:24	0	0	0	0	0
10	SCI_NL__OPNPDK20080609_145929_000059672069_00197_32816_8442.N1	09JUN2008 14:59:29	09JUN2008 16:38:56	0	0	0	0	0
11	SCI_NL__OPNPDK20080609_163747_000059392069_00198_32817_8443.N1	09JUN2008 16:37:47	09JUN2008 18:16:46	0	0	0	0	0
12	SCI_NL__OPNPDK20080609_181538_000059112069_00199_32818_8444.N1	09JUN2008 18:15:38	09JUN2008 19:54:09	0	0	0	0	0
13	SCI_NL__OPNPDE20080609_195301_000041462069_00200_32819_6935.N1	09JUN2008 19:53:01	09JUN2008 21:02:06	0	0	0	0	0
14	SCI_NL__OPNPDE20080609_210122_000064202069_00200_32819_6936.N1	09JUN2008 21:01:22	09JUN2008 22:48:22	0	0	0	0	0
15	SCI_NL__OPNPDE20080609_224738_000061722069_00201_32820_6937.N1	09JUN2008 22:47:38	10JUN2008 00:30:31	0	0	0	0	0

## 0.2 Product Quality Indicators

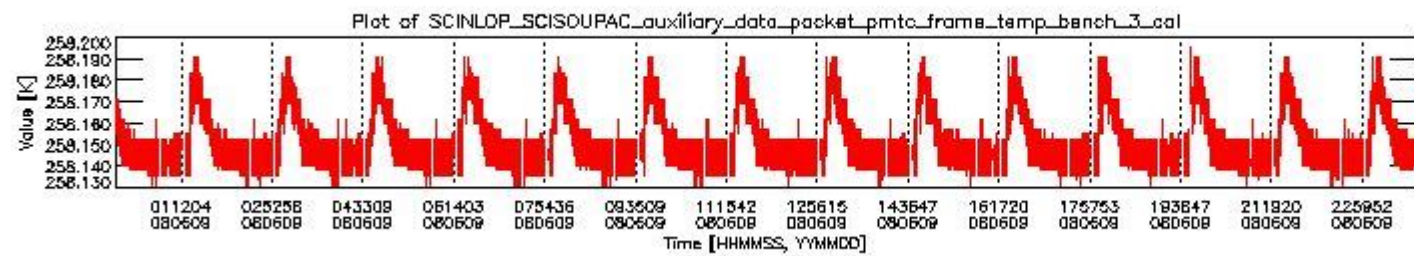
This section shows information about product quality, currently temperatures.



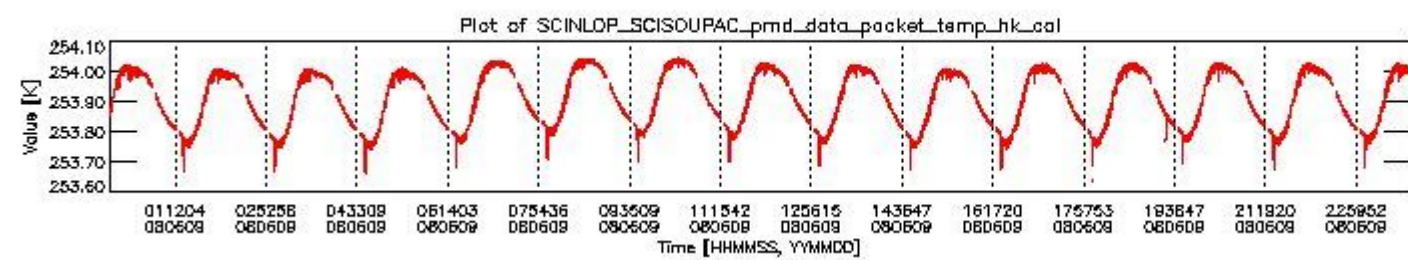
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080609\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080609\_1.PNG

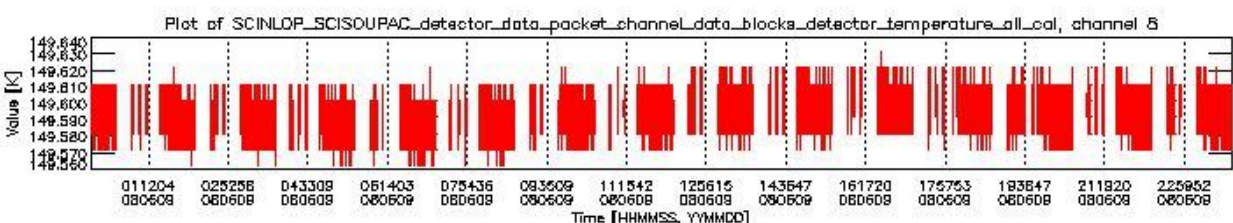
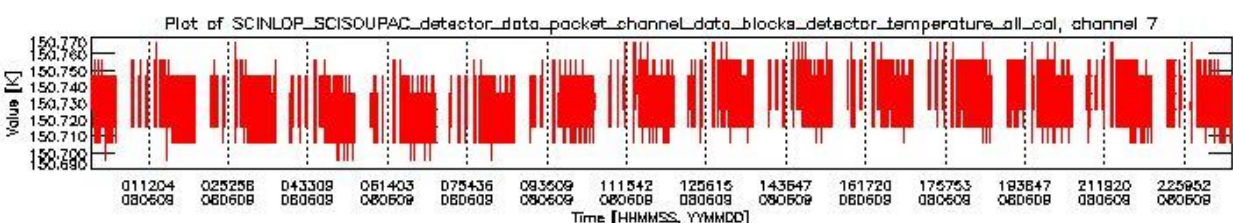
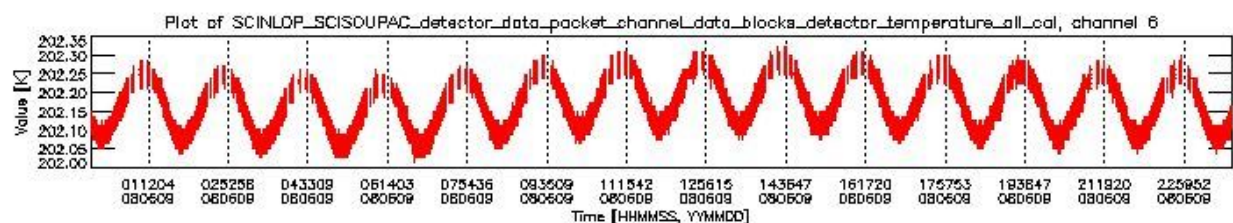
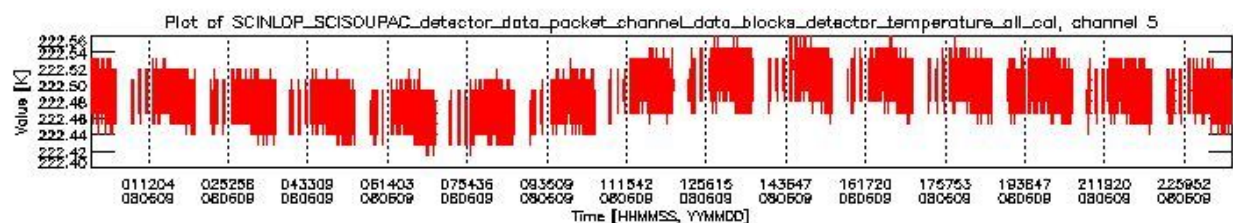
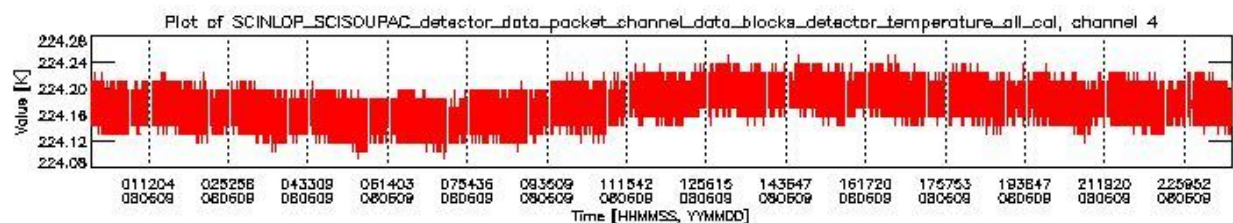
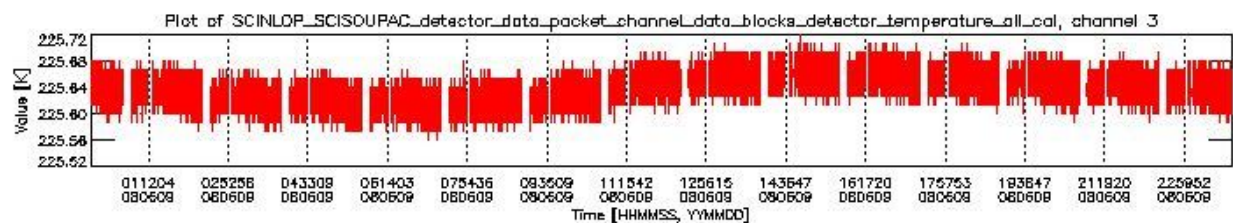
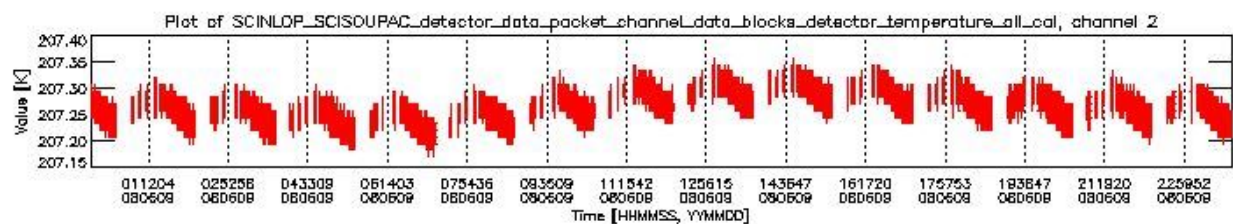
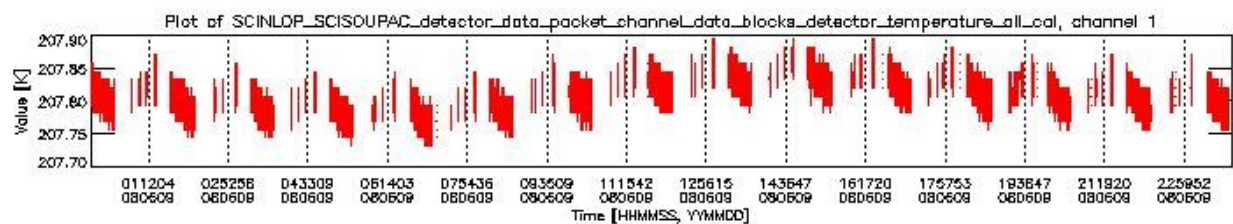


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080609\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080609\_3.PNG



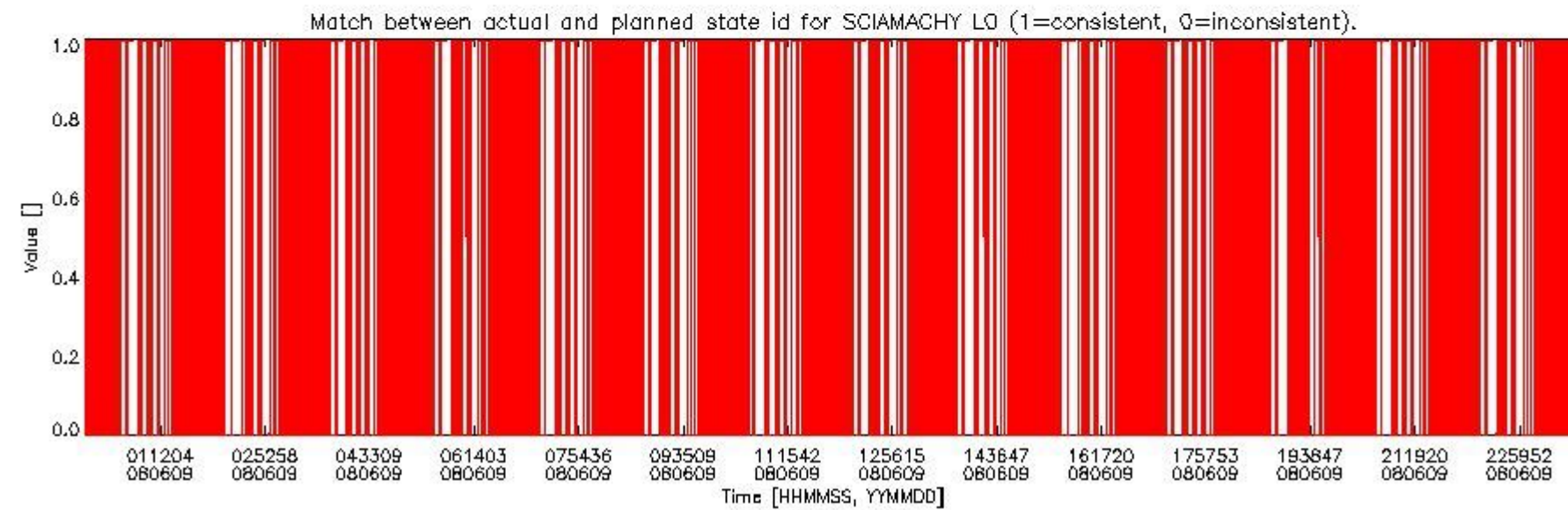
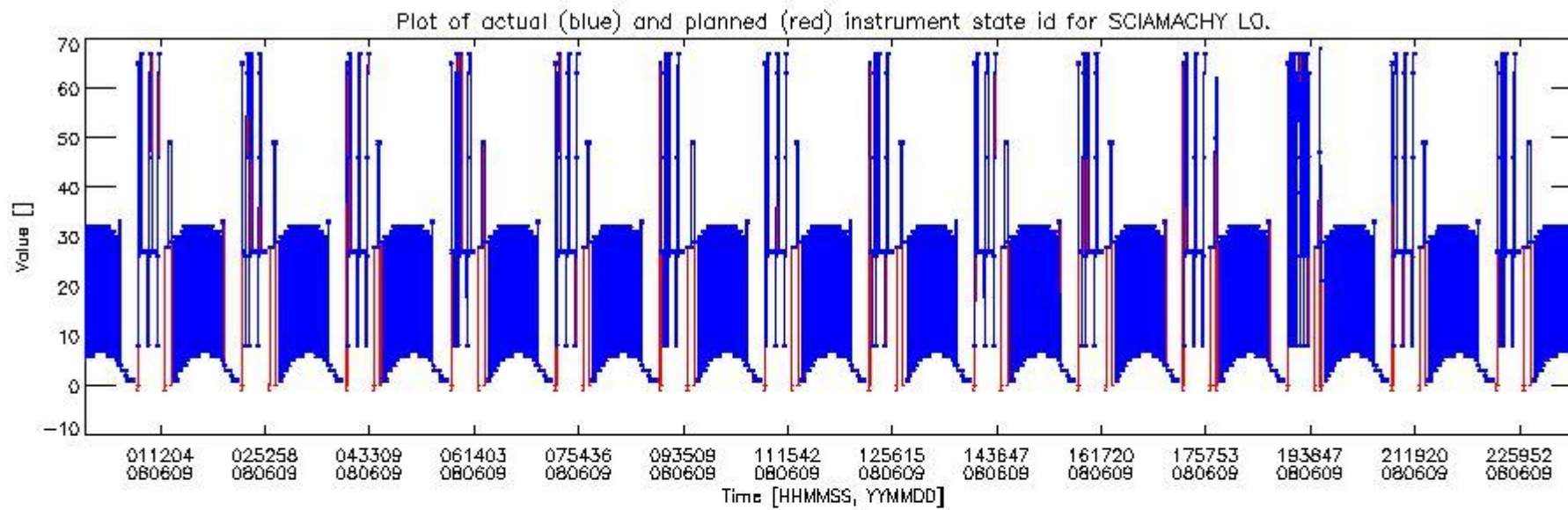


### 0.3 State monitoring

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: **33602**

#	Actual time	Actual value	Planned time	Planned value
0	09JUN2008 00:00:07.463206	6	09JUN2008 00:00:07.463206	32
1	09JUN2008 00:00:07.838219	6	09JUN2008 00:00:07.838219	32
2	09JUN2008 00:00:08.088188	6	09JUN2008 00:00:08.088188	32
3	09JUN2008 00:00:08.338197	6	09JUN2008 00:00:08.338197	32
4	09JUN2008 00:00:08.588205	6	09JUN2008 00:00:08.588205	32
5	09JUN2008 00:00:08.838214	6	09JUN2008 00:00:08.838214	32
6	09JUN2008 00:00:09.088223	6	09JUN2008 00:00:09.088223	32
7	09JUN2008 00:00:09.338191	6	09JUN2008 00:00:09.338191	32
8	09JUN2008 00:00:09.588200	6	09JUN2008 00:00:09.588200	32
9	09JUN2008 00:00:09.838209	6	09JUN2008 00:00:09.838209	32
10	09JUN2008 00:00:10.088217	6	09JUN2008 00:00:10.088217	32
11	09JUN2008 00:00:10.338186	6	09JUN2008 00:00:10.338186	32
12	09JUN2008 00:00:10.588194	6	09JUN2008 00:00:10.588194	32
13	09JUN2008 00:00:10.838203	6	09JUN2008 00:00:10.838203	32
14	09JUN2008 00:00:11.088212	6	09JUN2008 00:00:11.088212	32
15	09JUN2008 00:00:11.338221	6	09JUN2008 00:00:11.338221	32
16	09JUN2008 00:00:11.588189	6	09JUN2008 00:00:11.588189	32
17	09JUN2008 00:00:11.838198	6	09JUN2008 00:00:11.838198	32
18	09JUN2008 00:00:12.088206	6	09JUN2008 00:00:12.088206	32
19	09JUN2008 00:00:12.338215	6	09JUN2008 00:00:12.338215	32
	...	...	...	...



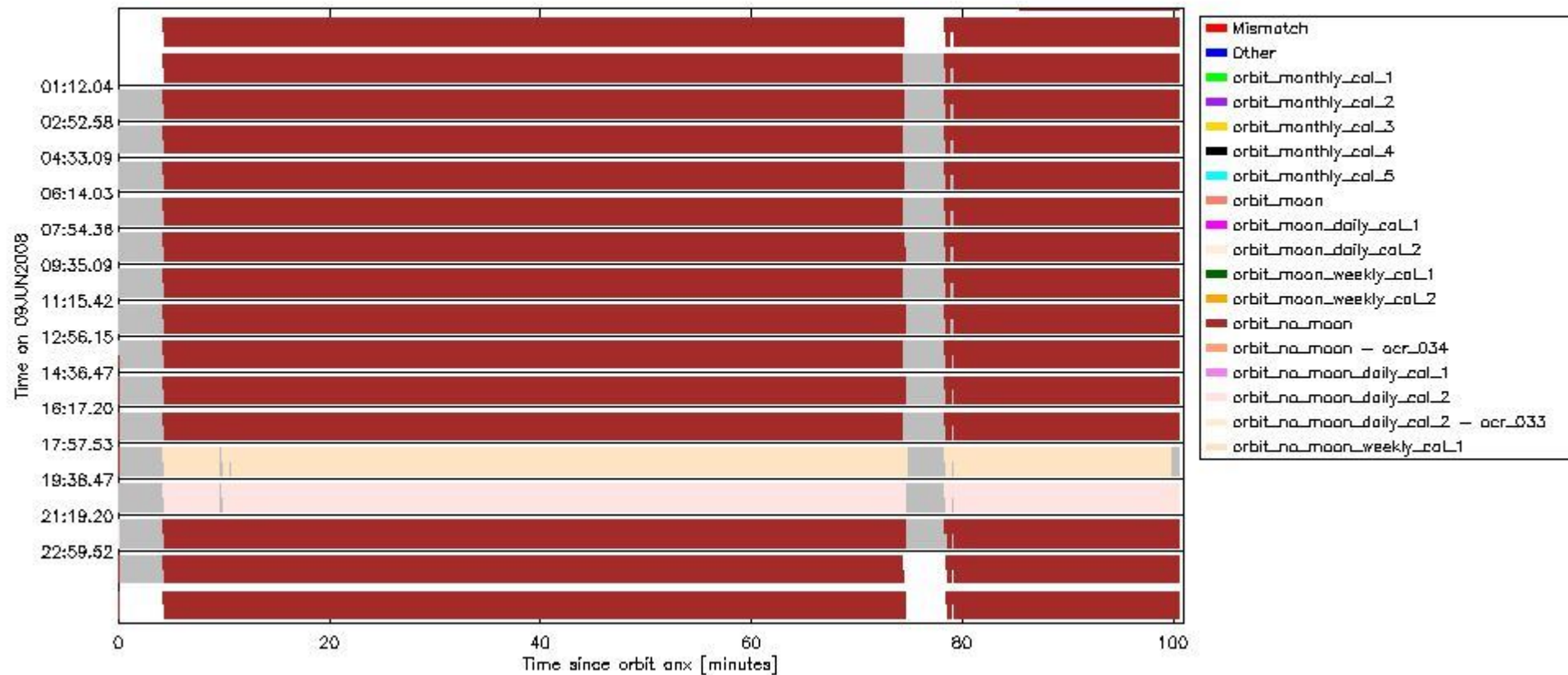
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080609\_5.PNG

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 09JUN2008.  
 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\_20080609\_6.PNG

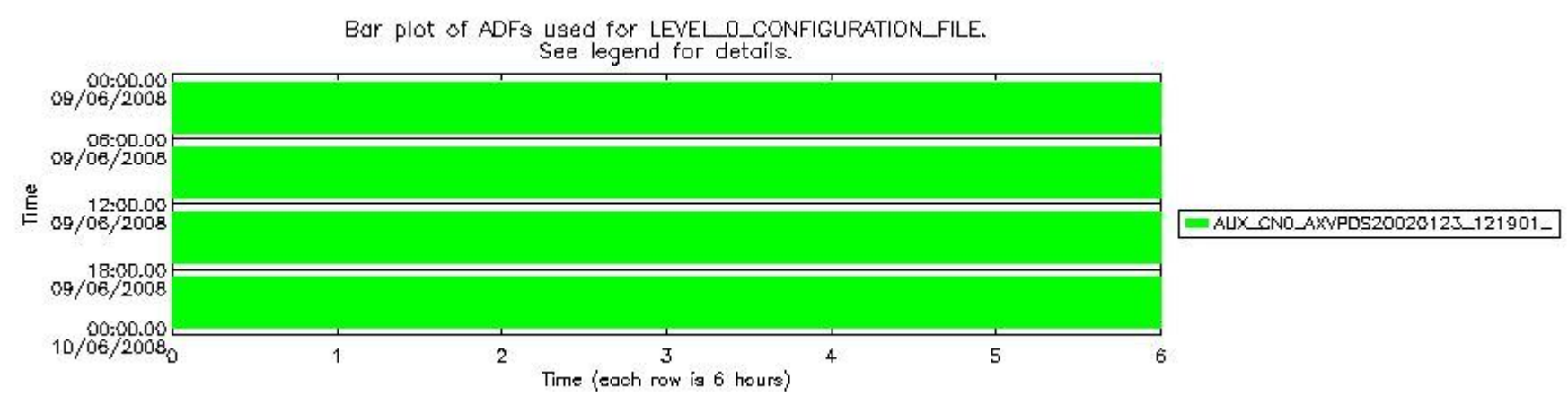
## 0.4 ADF monitoring

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

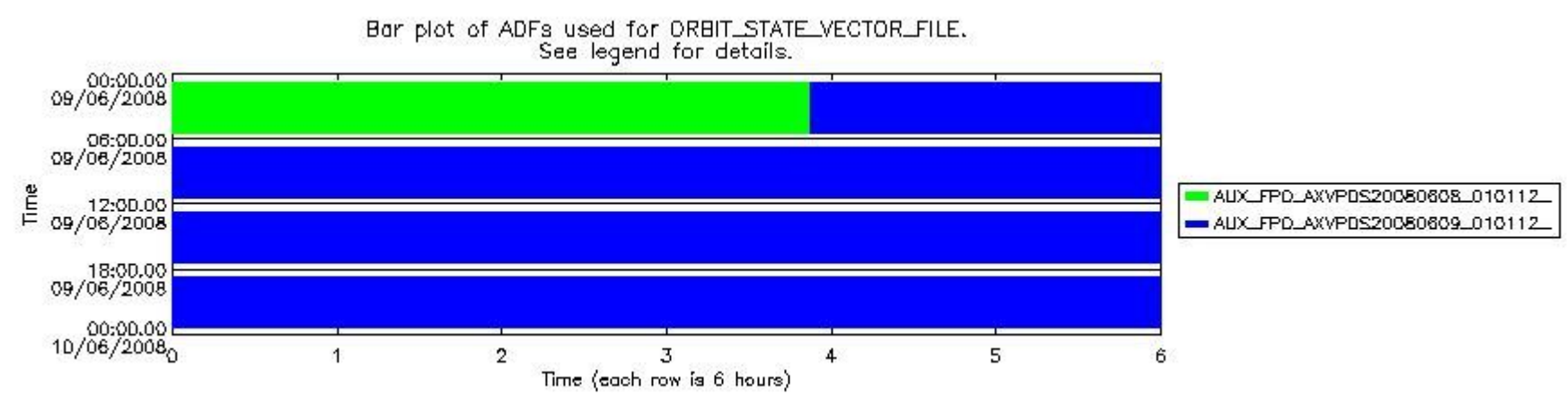
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

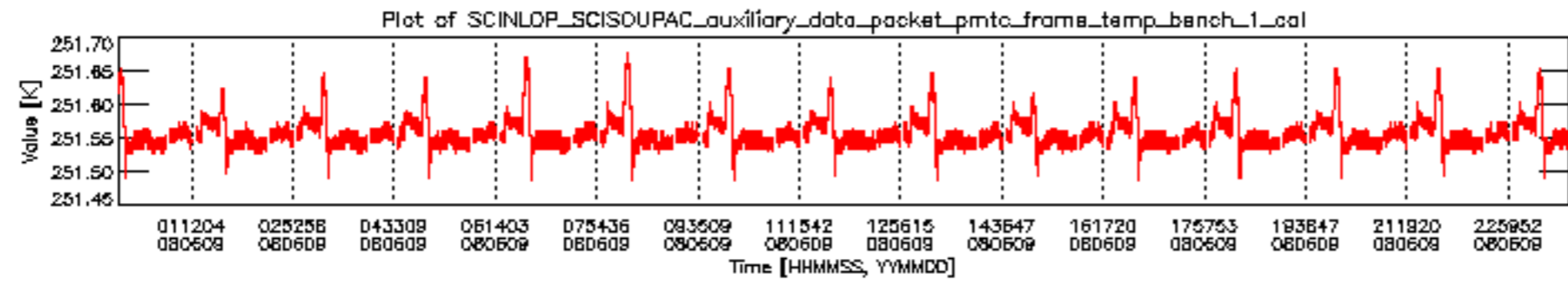
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080608_010112_20080607_190118_20080617_202733</b>
2	<b>AUX_FPO_AXVPDS20080609_010112_20080608_182941_20080618_213631</b>



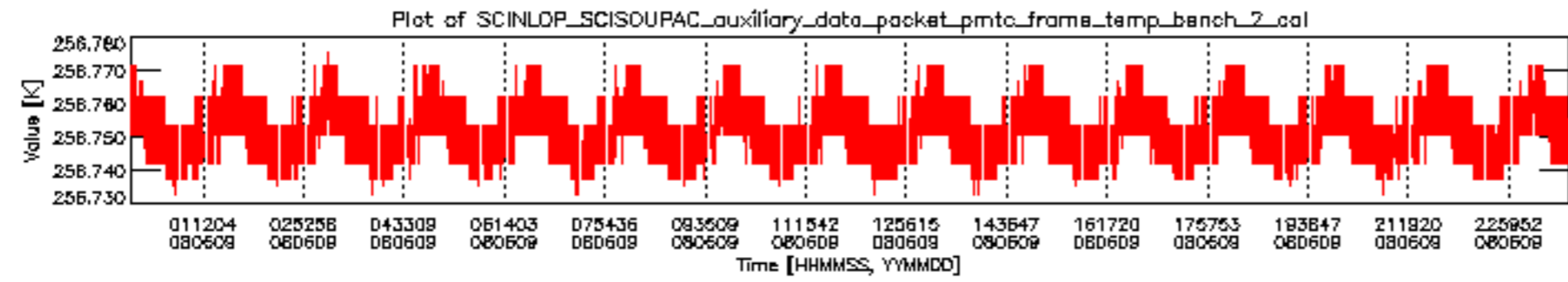
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080609\_7.PNG

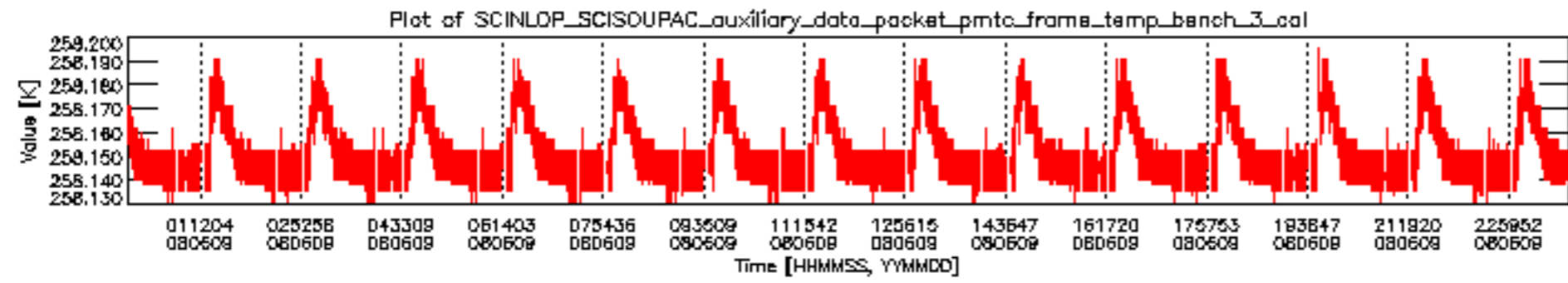


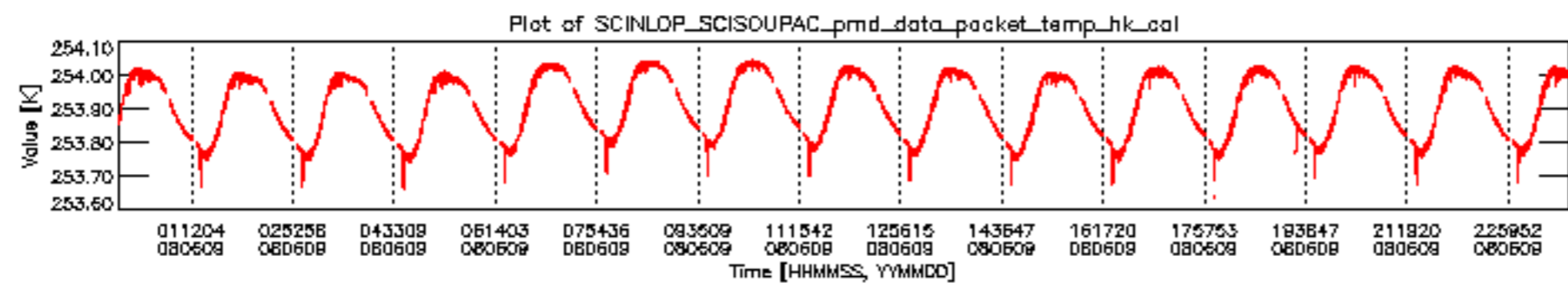
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080609\_8.PNG

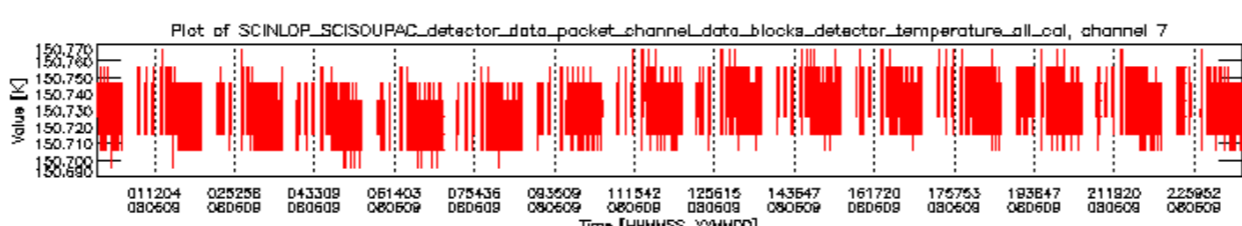
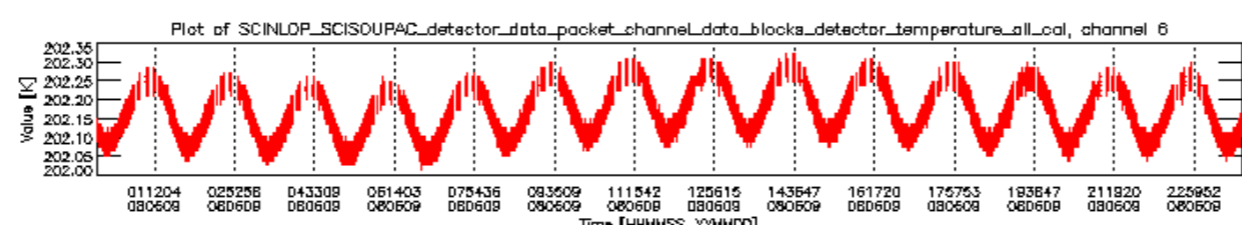
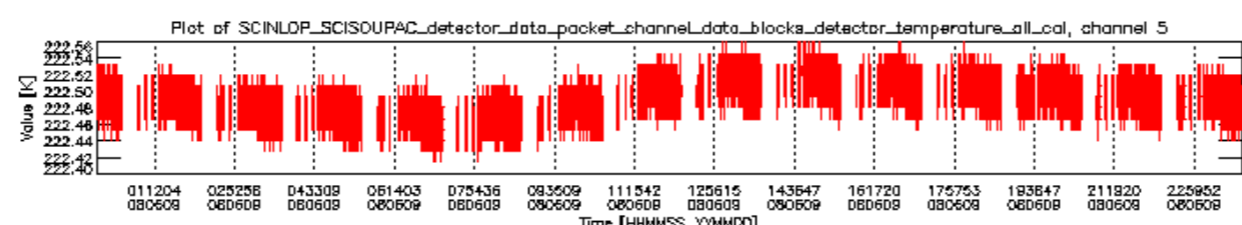
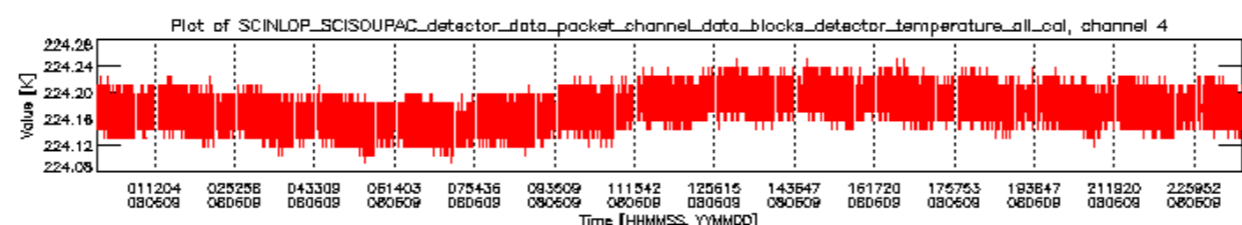
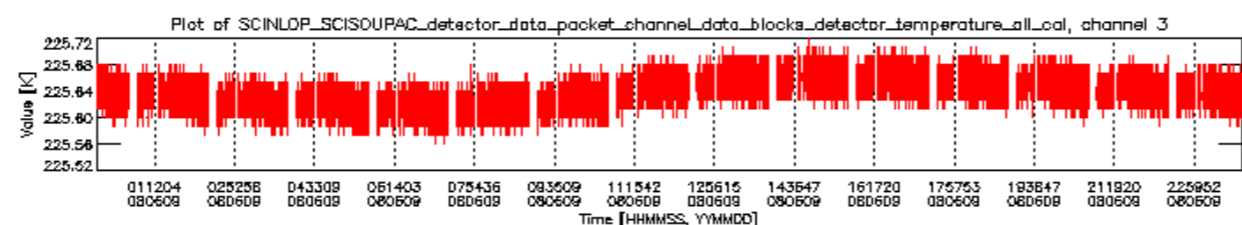
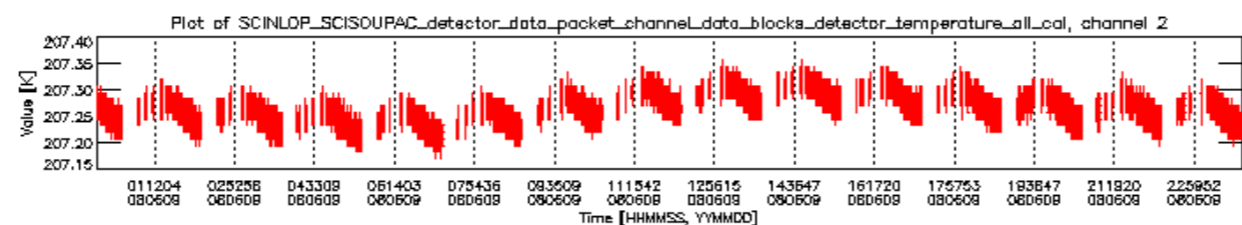
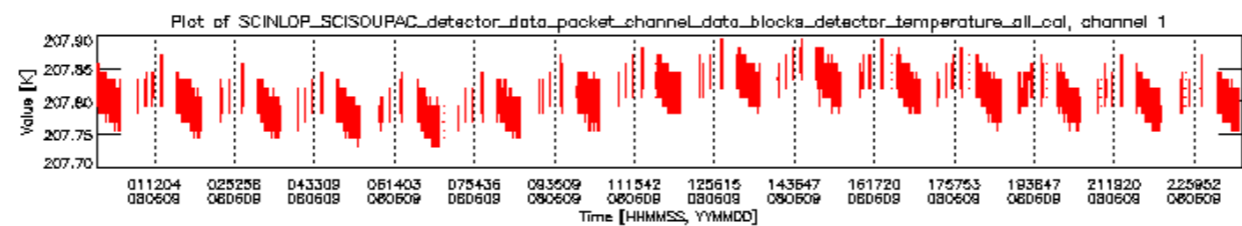




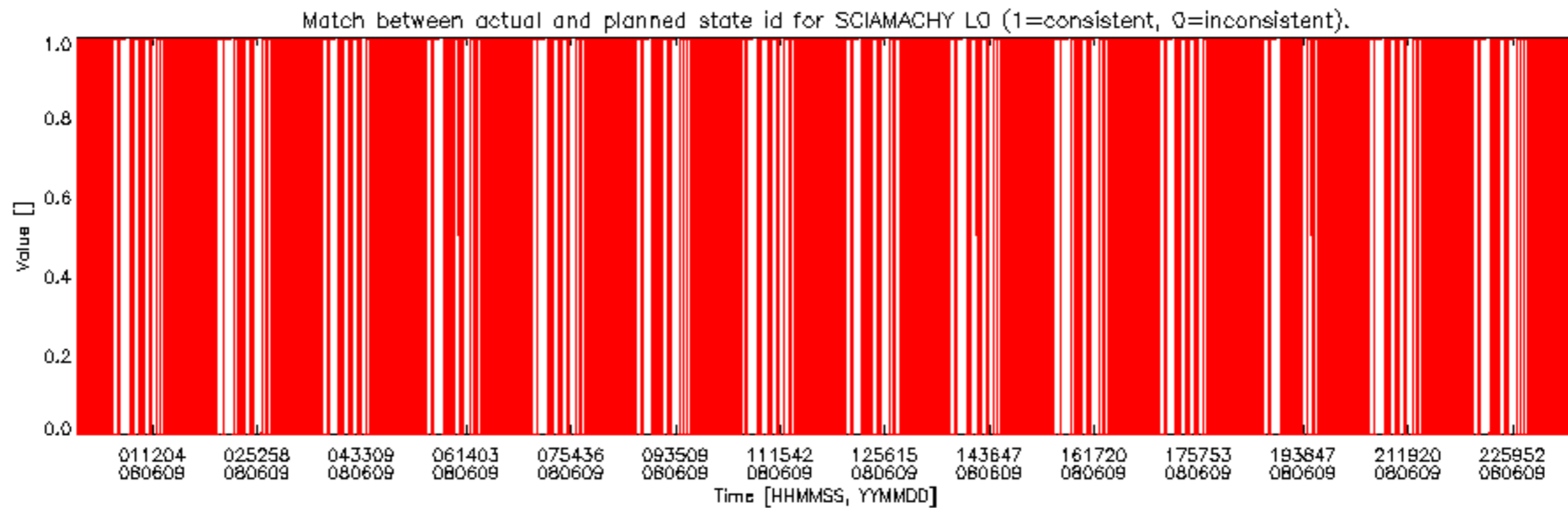
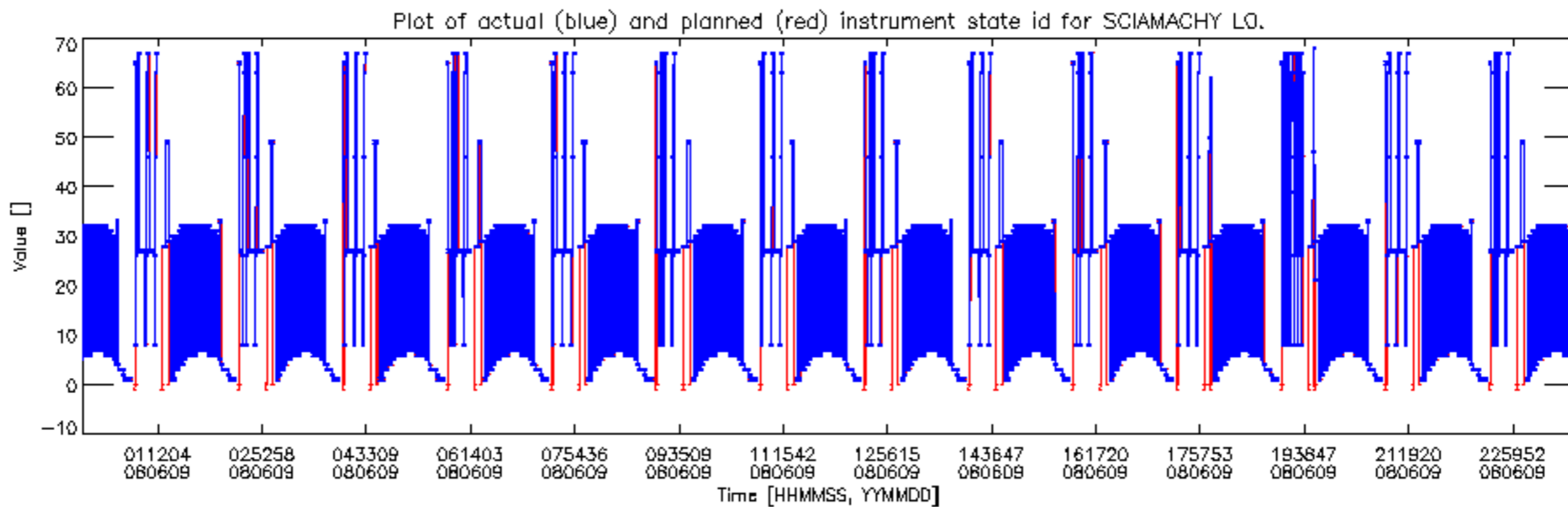












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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