

## 0. SCIAMACHY Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Product Quality Indicators](#)

### [0.3 State monitoring](#)

### [0.4 ADF monitoring](#)

## 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	08MAY2008 03:39:52
Data source version	KSPT_L0/4303-N
Processing scope for products	04MAY2008 00:00:00 to 05MAY2008 00:00:00
Start time of first product within scope	03MAY2008 23:49:37
Stop time of last product within scope	05MAY2008 01:00:34
Total number of level 0 products	16
Number of level 0 products with errors	0

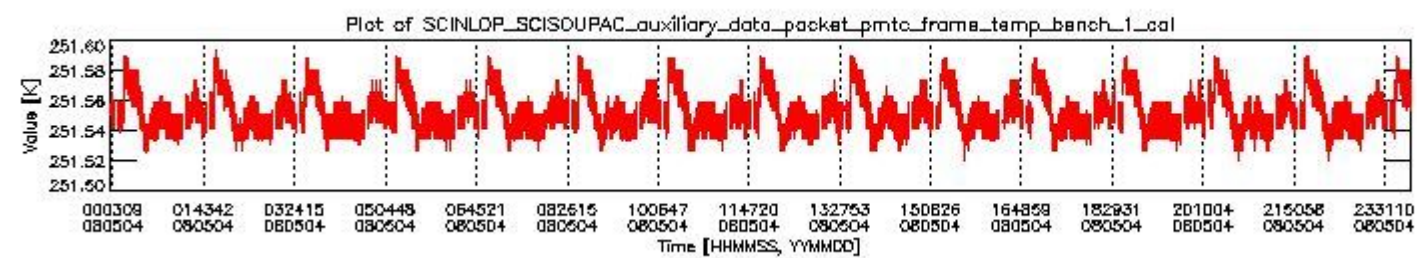
### 0.1.2 Summary per product

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

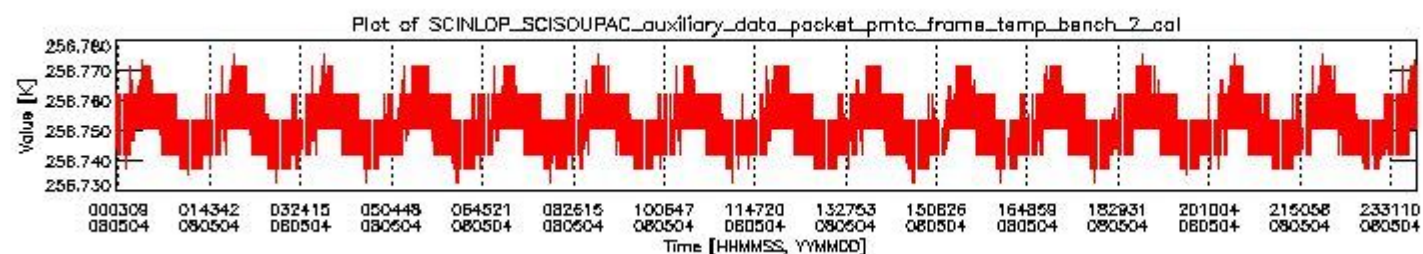
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080503_234937_000060792068_00173_32291_6610.N1	03MAY2008 23:49:37	04MAY2008 01:30:56	0	0	0	0	0
1	SCI_NL__OPNPDE20080504_012849_000047162068_00174_32292_6611.N1	04MAY2008 01:28:49	04MAY2008 02:47:24	0	0	0	0	0
2	SCI_NL__OPNPDE20080504_024724_000058552068_00175_32293_6612.N1	04MAY2008 02:47:24	04MAY2008 04:25:00	0	0	0	0	0
3	SCI_NL__OPNPDE20080504_042404_000060922068_00176_32294_6613.N1	04MAY2008 04:24:04	04MAY2008 06:05:36	0	0	0	0	0
4	SCI_NL__OPNPDK20080504_060427_000041132068_00177_32295_8121.N1	04MAY2008 06:04:27	04MAY2008 07:13:00	0	0	0	0	0
5	SCI_NL__OPNPDK20080504_071300_000060912068_00178_32296_8122.N1	04MAY2008 07:13:00	04MAY2008 08:54:32	0	0	0	0	0
6	SCI_NL__OPNPDK20080504_085432_000059802068_00179_32297_8123.N1	04MAY2008 08:54:32	04MAY2008 10:34:12	0	0	0	0	0
7	SCI_NL__OPNPDK20080504_103316_000060232068_00180_32298_8124.N1	04MAY2008 10:33:16	04MAY2008 12:13:39	0	0	0	0	0
8	SCI_NL__OPNPDK20080504_121339_000059242068_00181_32299_8125.N1	04MAY2008 12:13:39	04MAY2008 13:52:22	0	0	0	0	0
9	SCI_NL__OPNPDK20080504_135222_000058432068_00182_32300_8126.N1	04MAY2008 13:52:22	04MAY2008 15:29:45	0	0	0	0	0
10	SCI_NL__OPNPDK20080504_152836_000060242068_00183_32301_8127.N1	04MAY2008 15:28:36	04MAY2008 17:09:01	0	0	0	0	0
11	SCI_NL__OPNPDK20080504_170656_000060082068_00184_32302_8128.N1	04MAY2008 17:06:56	04MAY2008 18:47:04	0	0	0	0	0
12	SCI_NL__OPNPDK20080504_184555_000060882068_00185_32303_8129.N1	04MAY2008 18:45:55	04MAY2008 20:27:23	0	0	0	0	0
13	SCI_NL__OPNPDE20080504_202519_000044112068_00186_32304_6614.N1	04MAY2008 20:25:19	04MAY2008 21:38:50	0	0	0	0	0
14	SCI_NL__OPNPDE20080504_213719_000060352068_00186_32304_6615.N1	04MAY2008 21:37:19	04MAY2008 23:17:55	0	0	0	0	0
15	SCI_NL__OPNPDE20080504_231711_000062042068_00187_32305_6616.N1	04MAY2008 23:17:11	05MAY2008 01:00:34	0	0	0	0	0

## 0.2 Product Quality Indicators

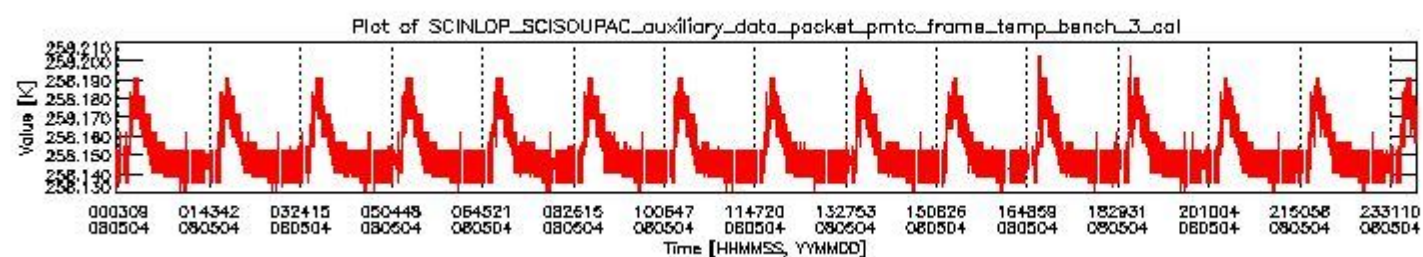
This section shows information about product quality, currently temperatures.



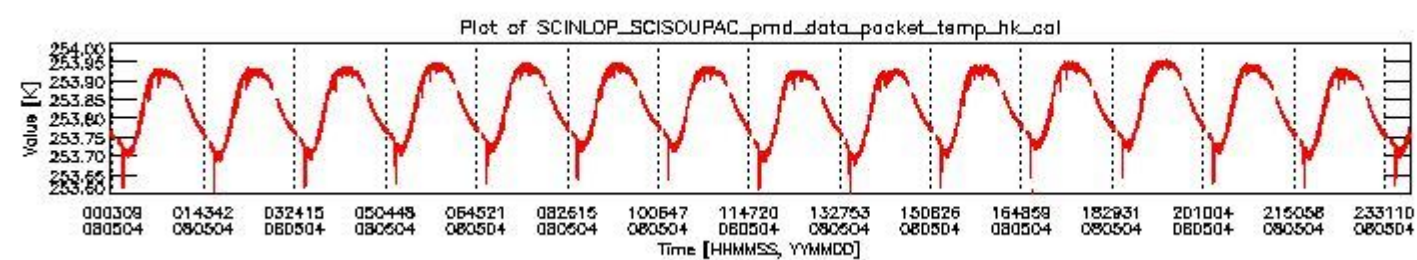
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080504\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080504\_1.PNG

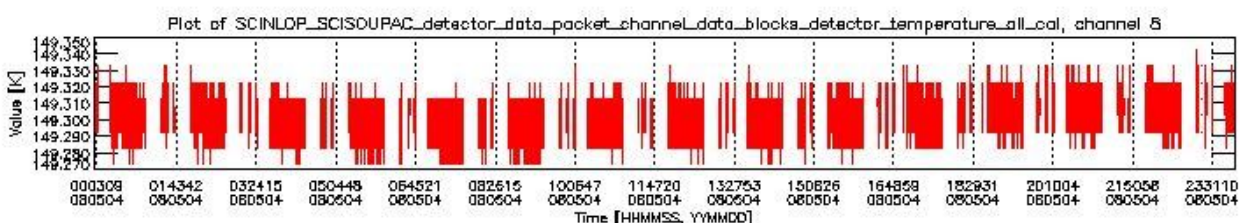
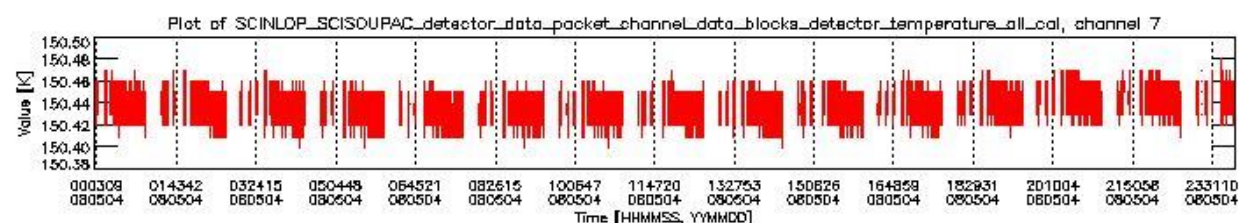
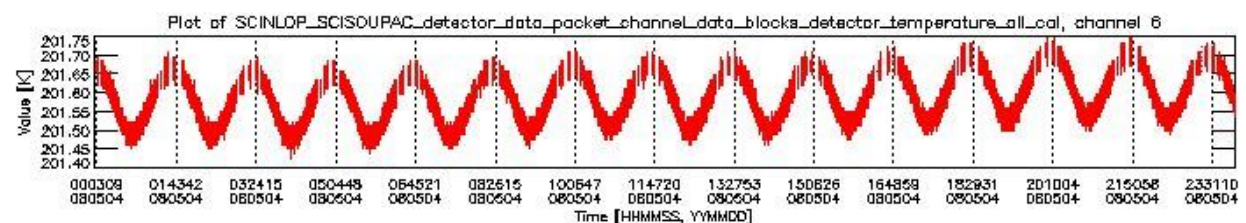
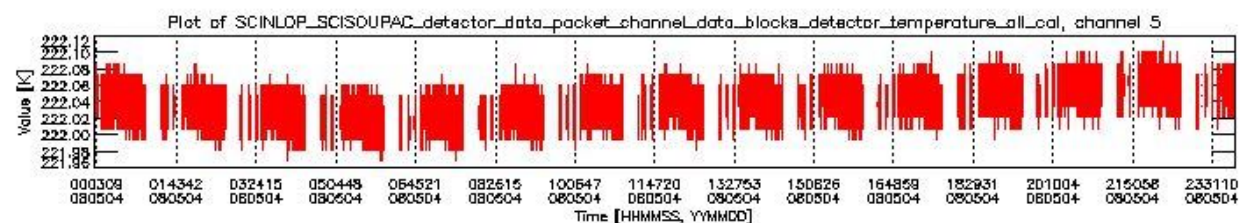
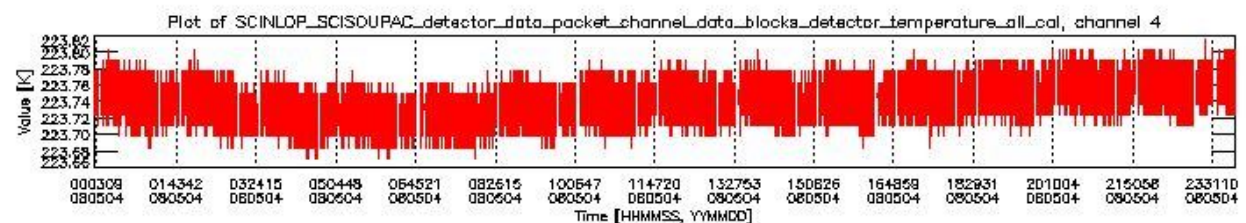
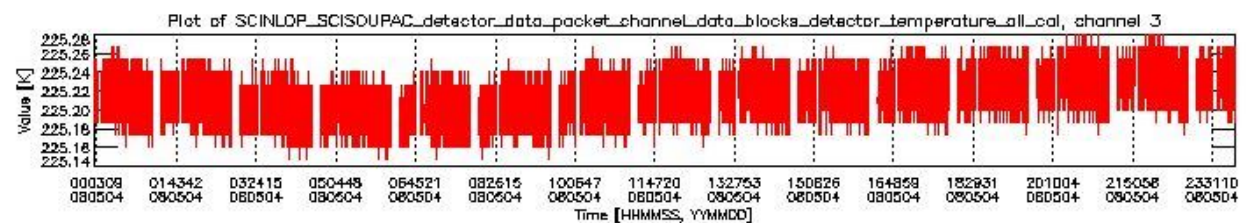
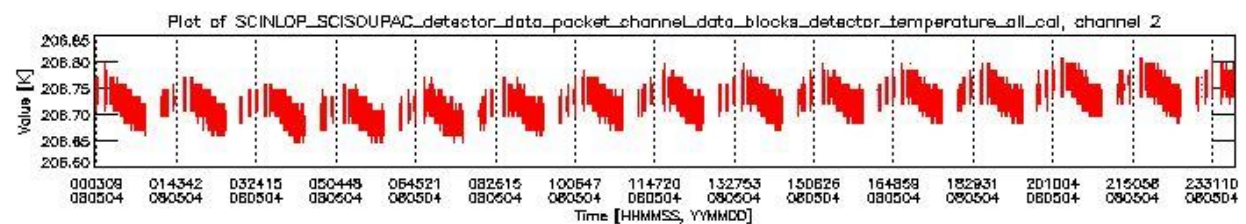
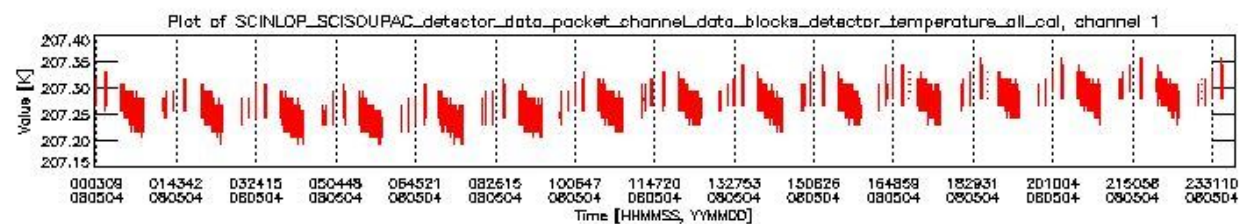


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080504\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080504\_3.PNG



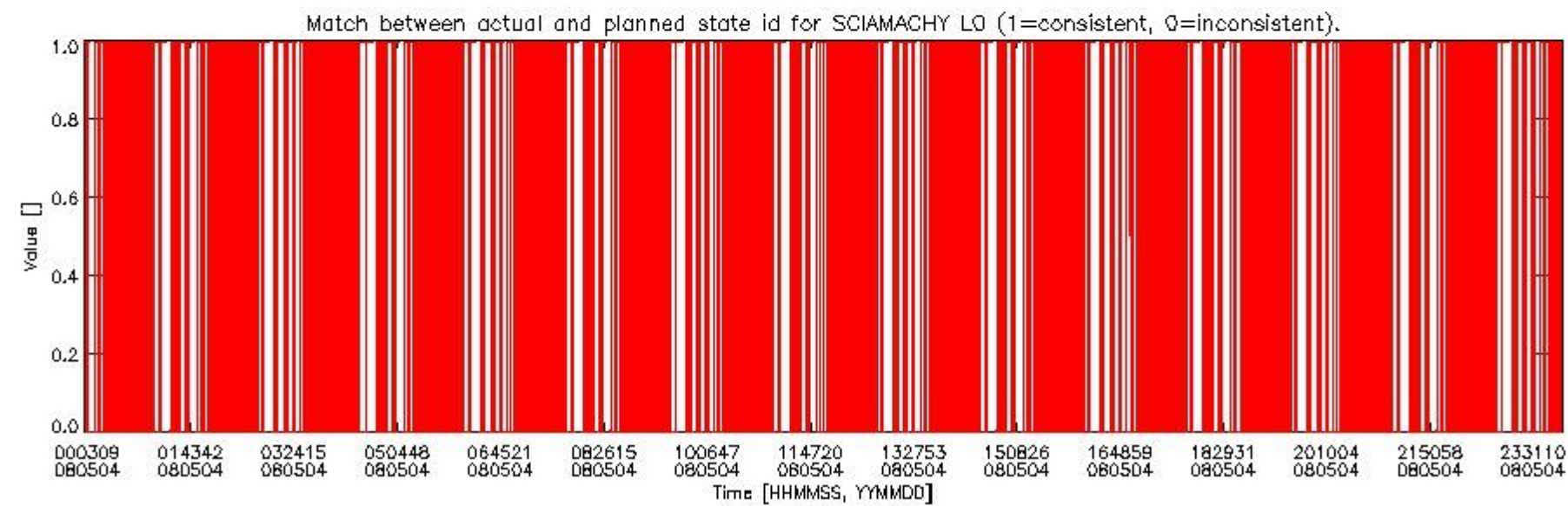
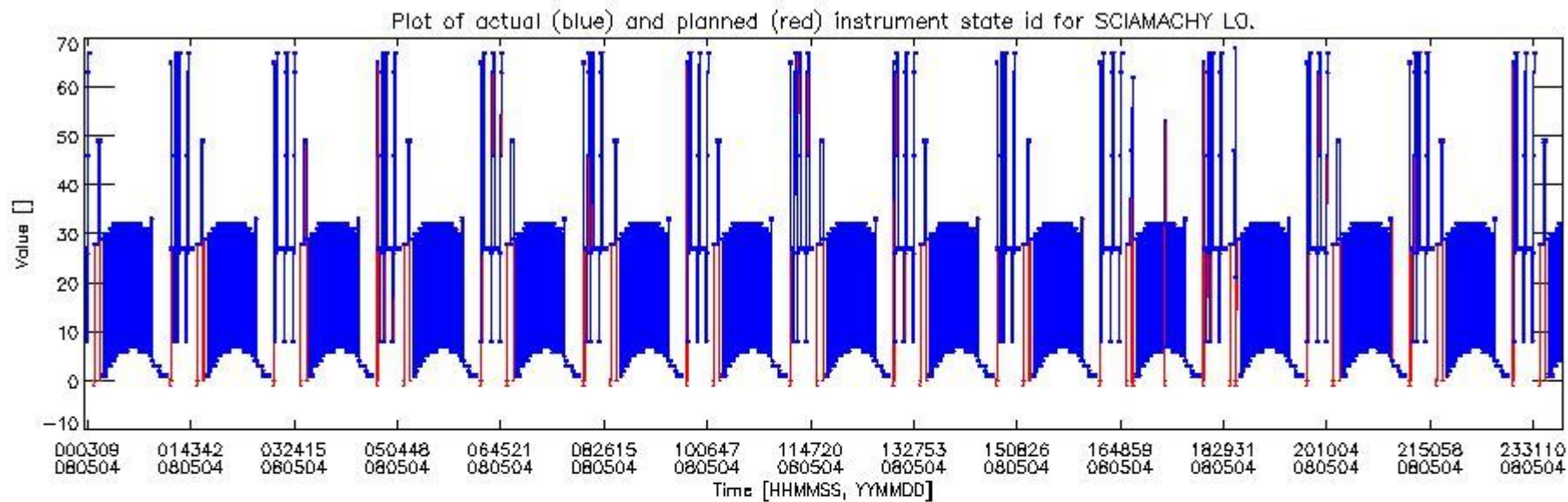


### 0.3 State monitoring

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: **40442**

#	Actual time	Actual value	Planned time	Planned value
0	04MAY2008 00:01:54.015596	8	04MAY2008 00:01:54.015596	27
1	04MAY2008 00:01:55.140595	8	04MAY2008 00:01:55.140595	27
2	04MAY2008 00:01:56.140589	8	04MAY2008 00:01:56.140589	27
3	04MAY2008 00:01:57.140624	8	04MAY2008 00:01:57.140624	27
4	04MAY2008 00:01:58.140619	8	04MAY2008 00:01:58.140619	27
5	04MAY2008 00:01:59.015609	8	04MAY2008 00:01:59.015609	27
6	04MAY2008 00:01:59.140613	8	04MAY2008 00:01:59.140613	27
7	04MAY2008 00:02:00.140608	8	04MAY2008 00:02:00.140608	27
8	04MAY2008 00:02:01.140602	8	04MAY2008 00:02:01.140602	27
9	04MAY2008 00:02:02.140597	8	04MAY2008 00:02:02.140597	27
10	04MAY2008 00:02:37.574201	26	04MAY2008 00:02:37.574201	8
11	04MAY2008 00:02:38.199222	26	04MAY2008 00:02:38.199222	8
12	04MAY2008 00:02:38.699200	26	04MAY2008 00:02:38.699200	8
13	04MAY2008 00:02:39.199217	26	04MAY2008 00:02:39.199217	8
14	04MAY2008 00:02:39.699194	26	04MAY2008 00:02:39.699194	8
15	04MAY2008 00:02:40.199212	26	04MAY2008 00:02:40.199212	8
16	04MAY2008 00:02:40.699189	26	04MAY2008 00:02:40.699189	8
17	04MAY2008 00:02:41.199206	26	04MAY2008 00:02:41.199206	8
18	04MAY2008 00:02:41.699224	26	04MAY2008 00:02:41.699224	8
19	04MAY2008 00:02:42.199201	26	04MAY2008 00:02:42.199201	8
	...	...	...	...



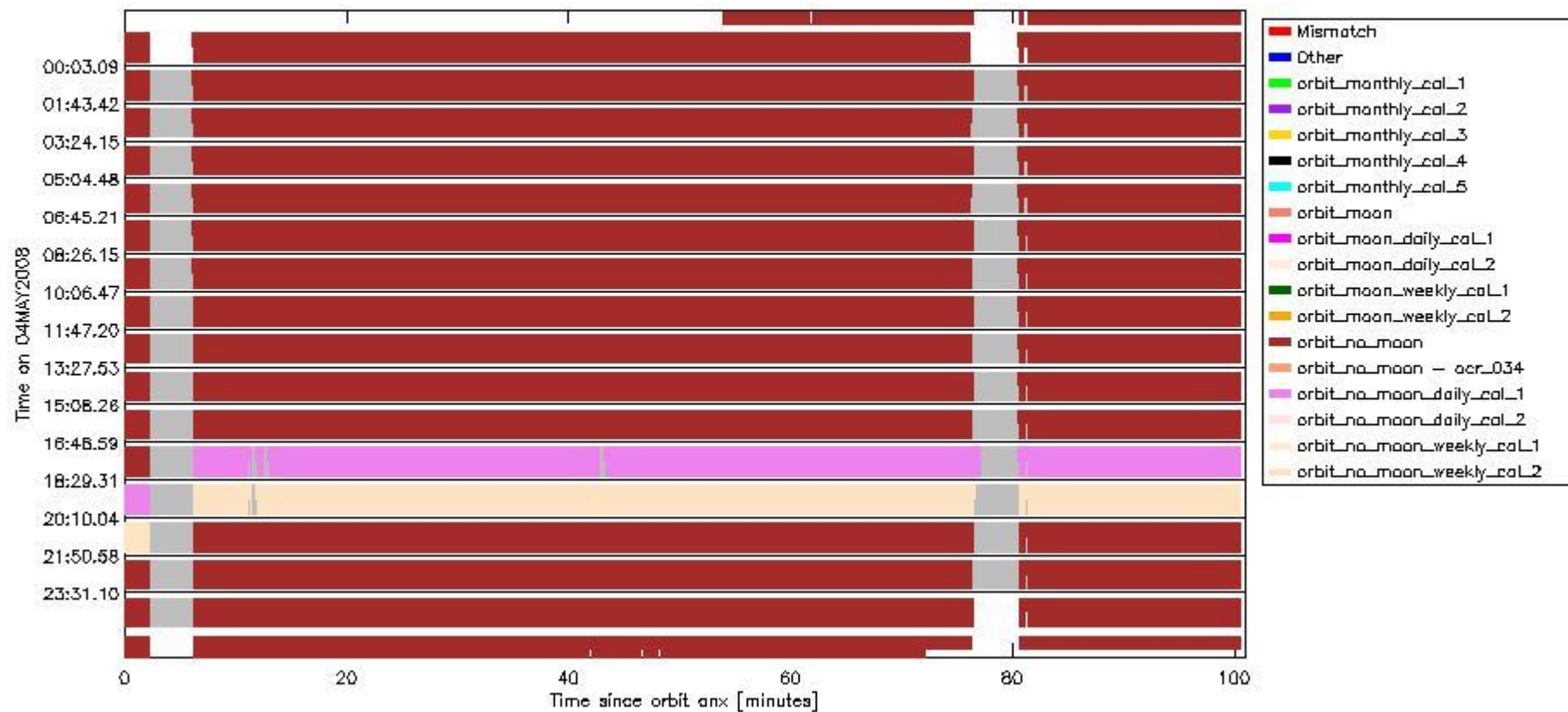
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080504\_5.PNG

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 O4MAY2008.  
 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\_20080504\_6.PNG

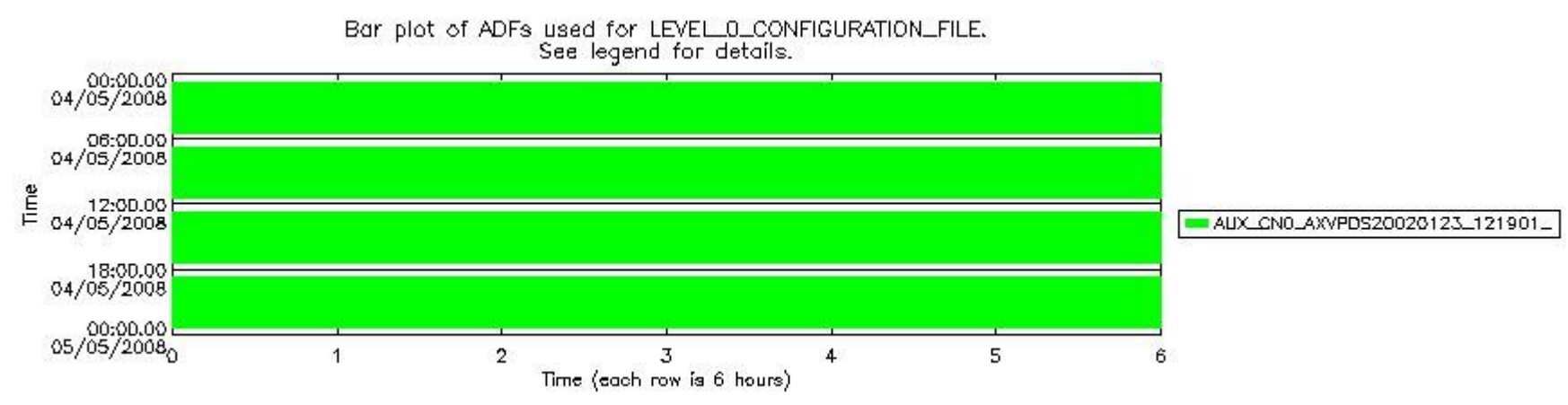
## 0.4 ADF monitoring

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

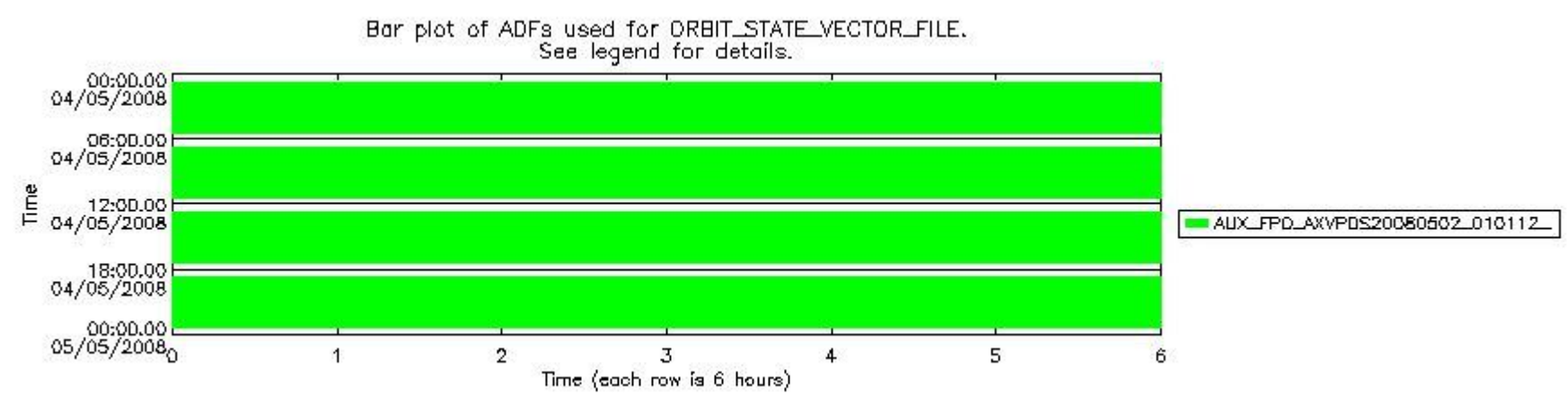
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

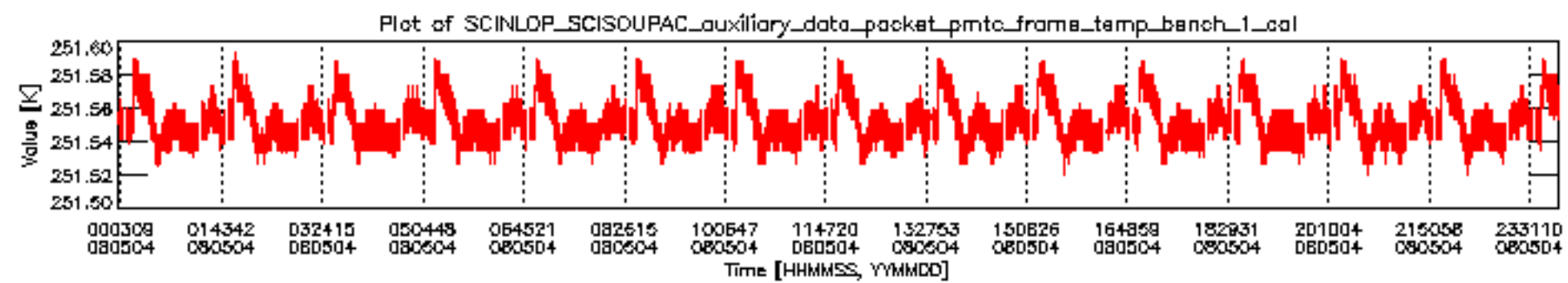
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080502_010112_20080501_182355_20080511_213045



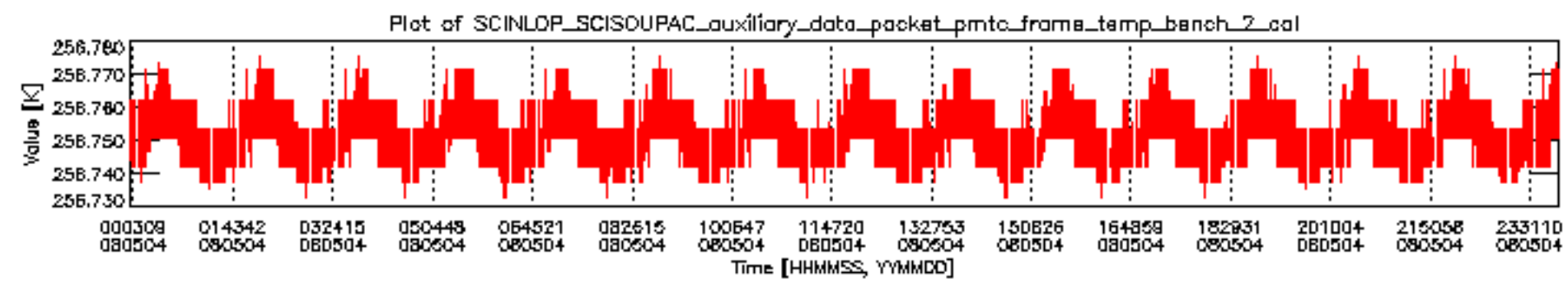
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080504\_7.PNG

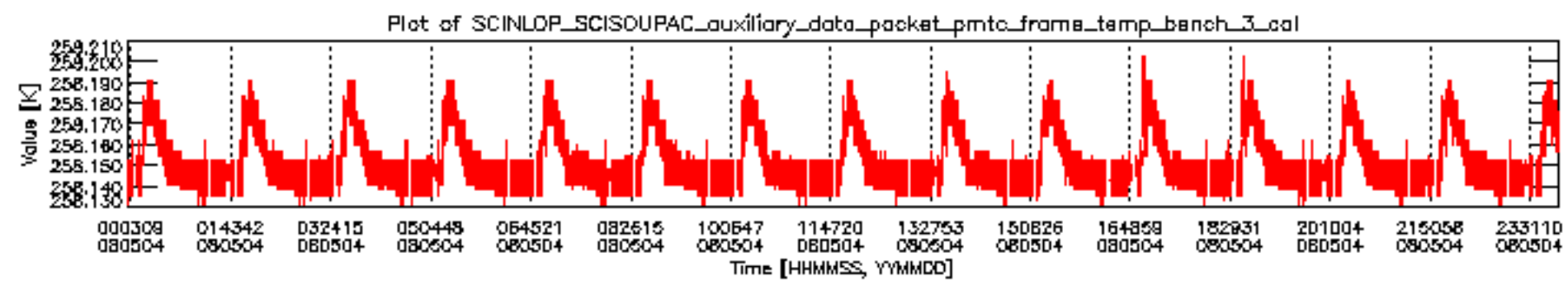


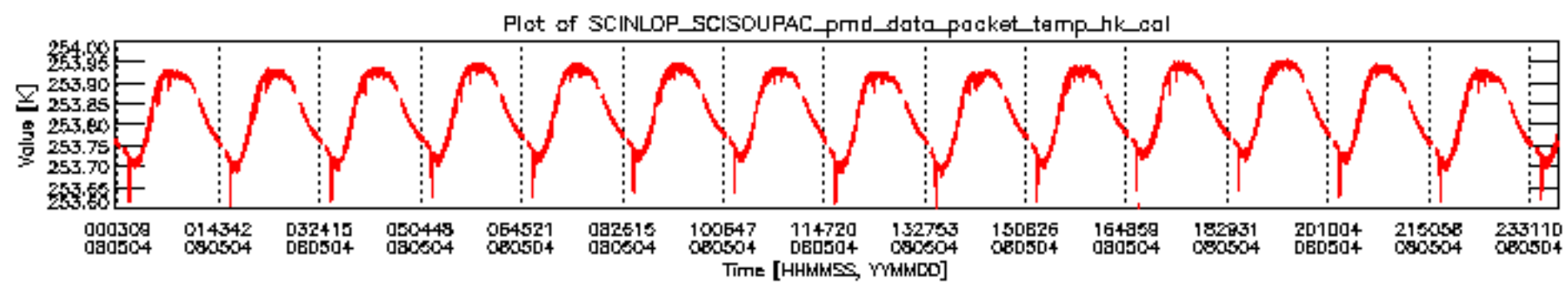
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080504\_8.PNG

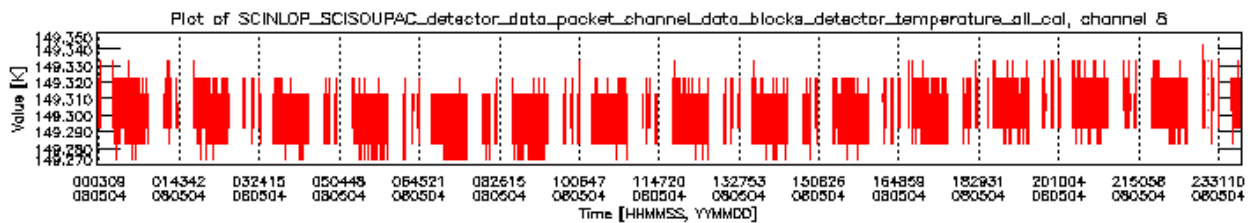
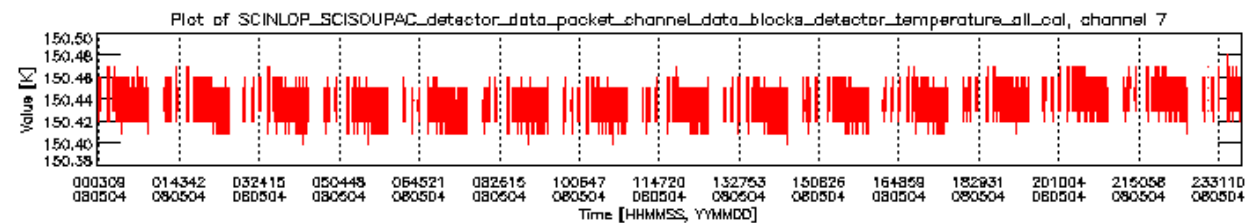
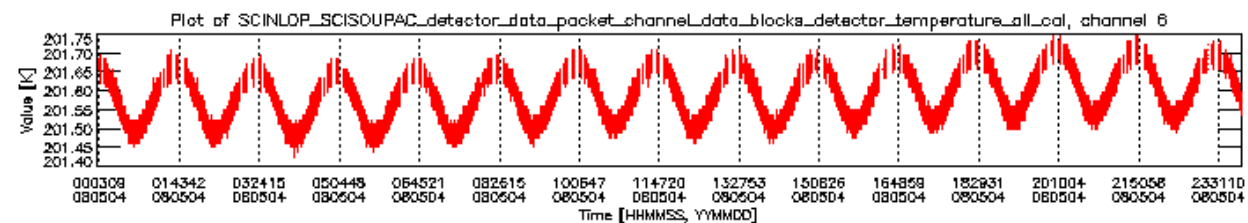
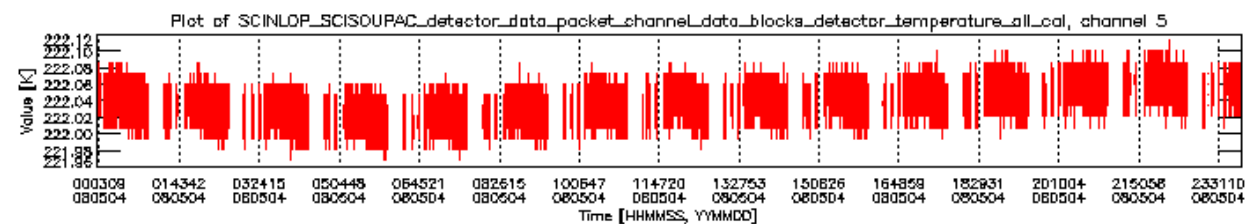
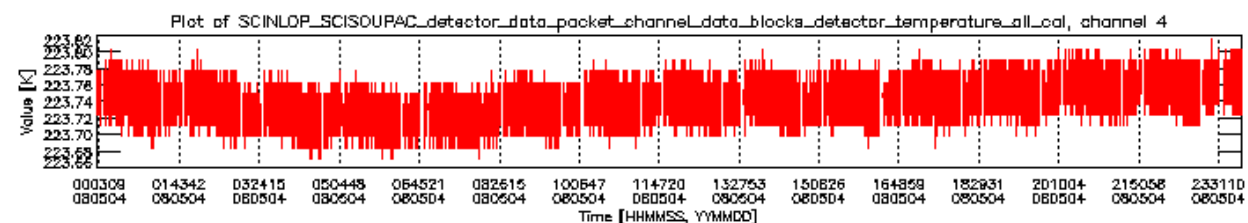
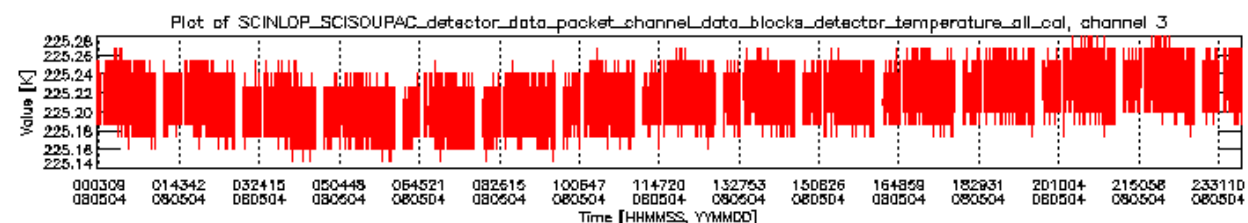
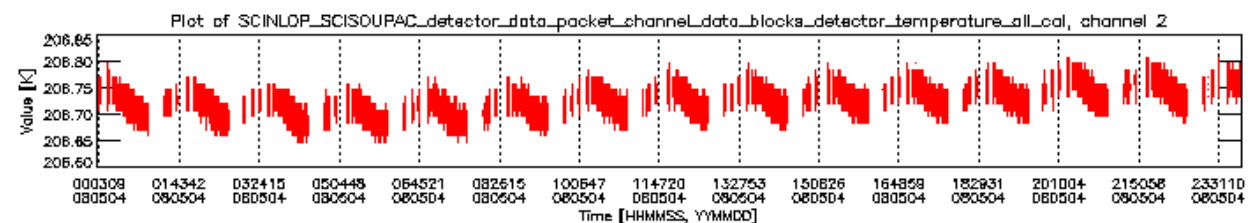
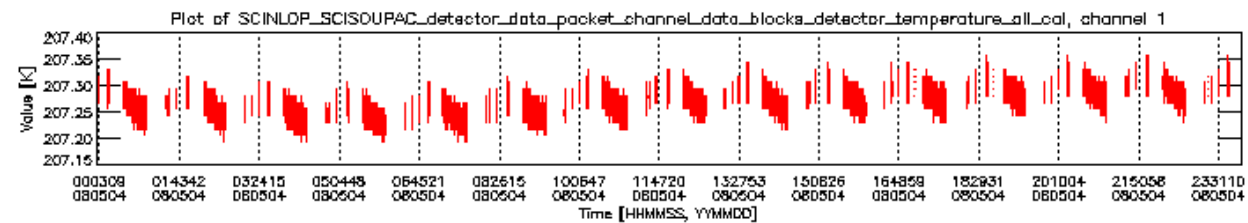




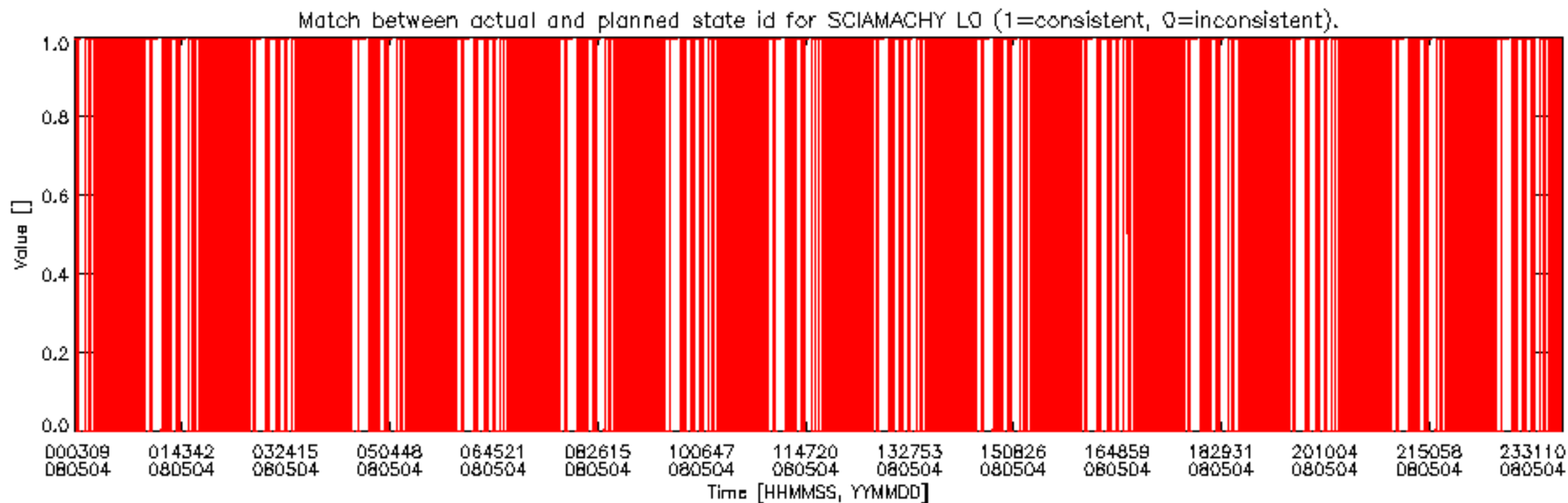
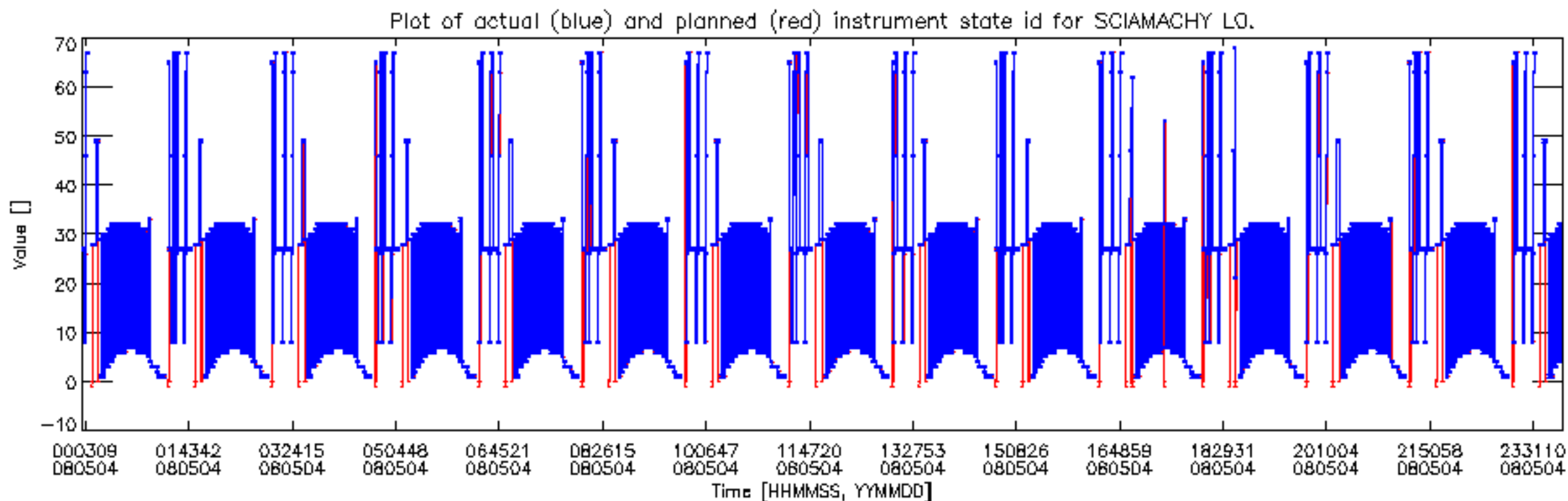












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 04MAY2008.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

