

## 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	09MAY2008 03:52:52
Data source version	KSPT_L0/4303-N
Processing scope for products	05MAY2008 00:00:00 to 06MAY2008 00:00:00
Start time of first product within scope	04MAY2008 23:17:11
Stop time of last product within scope	05MAY2008 23:48:00
Total number of level 0 products	16
Number of level 0 products with errors	2

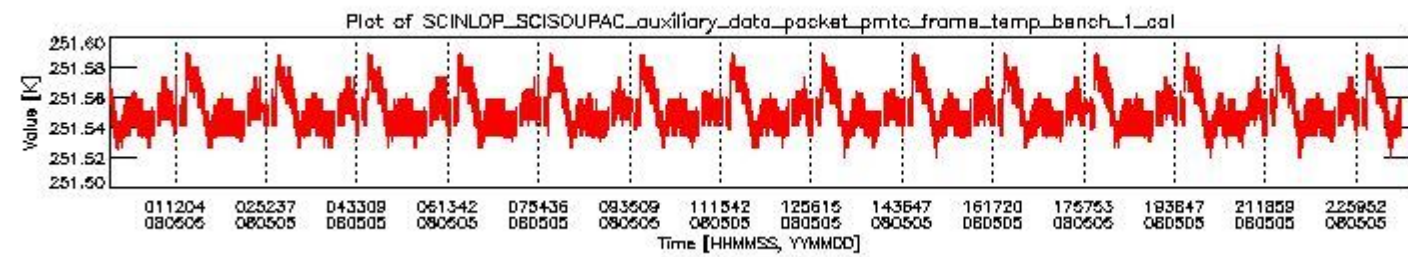
### 0.1.2 Summary per product

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

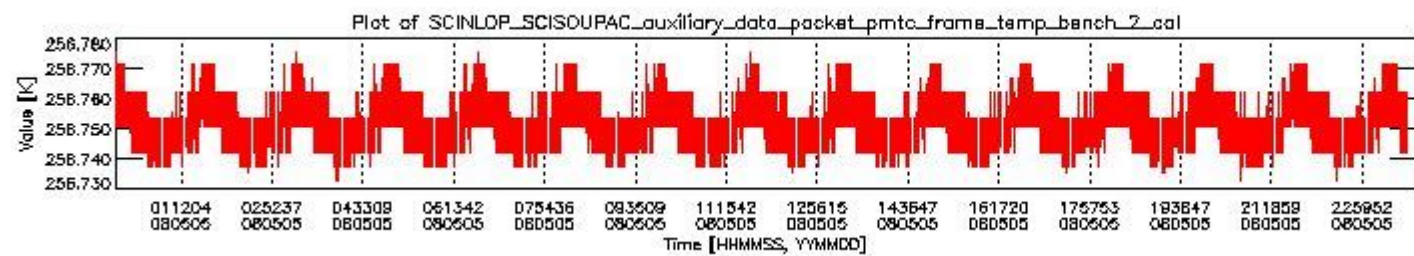
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080504_231711_000062042068_00187_32305_6616.N1	04MAY2008 23:17:11	05MAY2008 01:00:34	0	0	0	0	0
1	SCI_NL__OPNPDE20080505_005914_000045892068_00188_32306_6617.N1	05MAY2008 00:59:14	05MAY2008 02:15:43	0	0	0	0	0
2	SCI_NL__OPNPDE20080505_021543_000058552068_00189_32307_6618.N1	05MAY2008 02:15:43	05MAY2008 03:53:19	0	0	0	0	0
3	SCI_NL__OPNPDE20080505_035223_000060922068_00190_32308_6619.N1	05MAY2008 03:52:23	05MAY2008 05:33:54	0	0	0	0	0
4	SCI_NL__OPNPDE20080505_053246_000061042068_00191_32309_6620.N1	05MAY2008 05:32:46	05MAY2008 07:14:30	0	0	0	0	0
5	SCI_NL__OPNPDK20080505_071334_000040322068_00192_32310_8130.N1	05MAY2008 07:13:34	05MAY2008 08:20:46	0	0	0	0	0
6	SCI_NL__OPNPDK20080505_082046_000013692068_00193_32311_8131.N1	05MAY2008 08:20:46	05MAY2008 08:43:35	0	0	0	0	0
7	SCI_NL__OPNPDK20080505_100339_000058982068_00194_32312_8132.N1	05MAY2008 10:03:39	05MAY2008 11:41:57	0	0	0	0	0
8	SCI_NL__OPNPDK20080505_114157_000060482068_00195_32313_8133.N1	05MAY2008 11:41:57	05MAY2008 13:22:46	0	0	0	0	0
9	SCI_NL__OPNPDK20080505_132137_000058432068_00196_32314_8134.N1	05MAY2008 13:21:37	05MAY2008 14:59:00	0	0	0	0	0
10	SCI_NL__OPNPDK20080505_145900_000059242068_00197_32315_8135.N1	05MAY2008 14:59:00	05MAY2008 16:37:44	1	0	1	0	0
11	SCI_NL__OPNPDK20080505_163635_000059842068_00198_32316_8136.N1	05MAY2008 16:36:35	05MAY2008 18:16:19	1	1	1	0	0
12	SCI_NL__OPNPDK20080505_181414_000060482068_00199_32317_8137.N1	05MAY2008 18:14:14	05MAY2008 19:55:02	0	0	0	0	0
13	SCI_NL__OPNPDE20080505_195258_000041072068_00200_32318_6621.N1	05MAY2008 19:52:58	05MAY2008 21:01:25	0	0	0	0	0
14	SCI_NL__OPNPDE20080505_205957_000065082068_00200_32318_6622.N1	05MAY2008 20:59:57	05MAY2008 22:48:25	0	0	0	0	0
15	SCI_NL__OPNPDE20080505_224657_000036632068_00201_32319_6623.N1	05MAY2008 22:46:57	05MAY2008 23:48:00	0	0	0	0	0

## 0.2 Product Quality Indicators

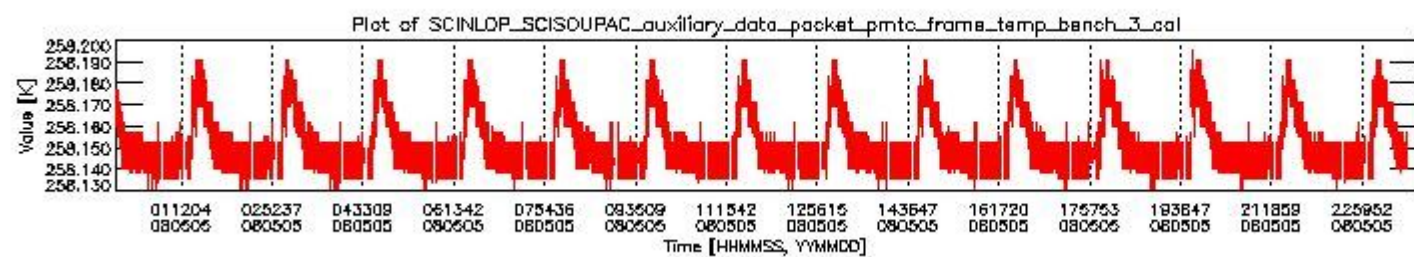
This section shows information about product quality, currently temperatures.



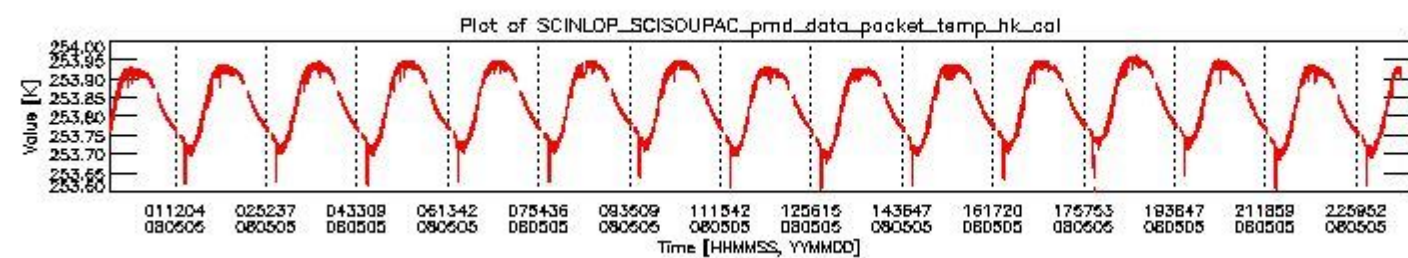
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080505\_0.PNG



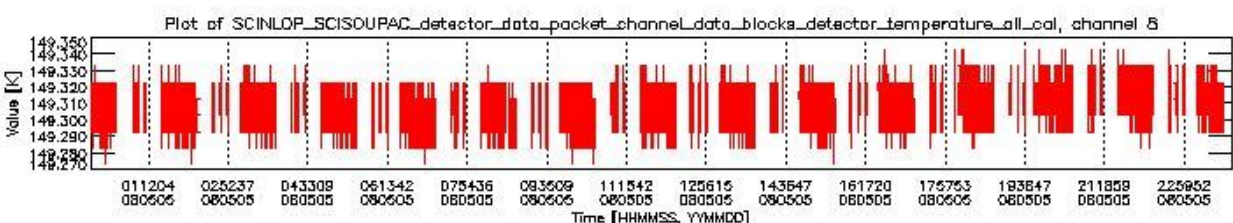
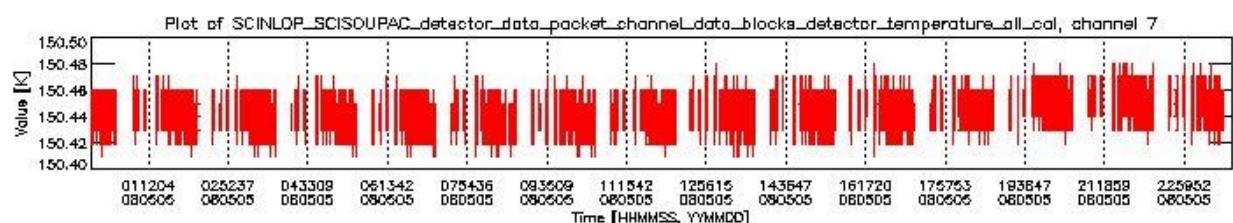
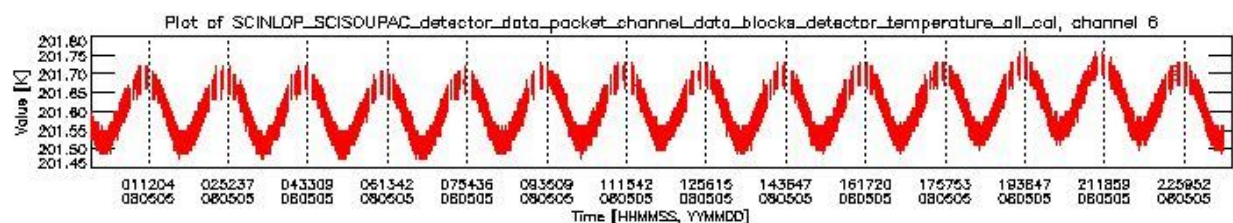
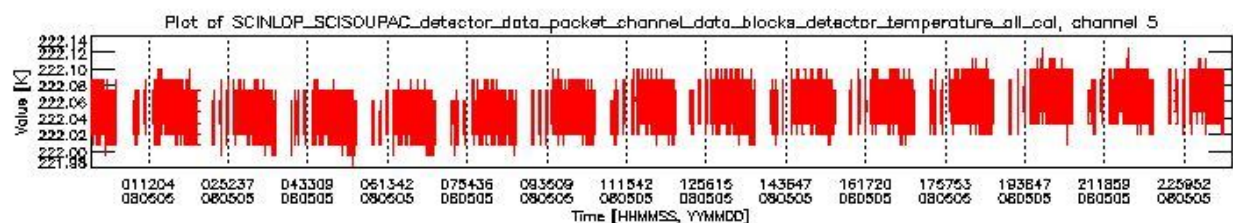
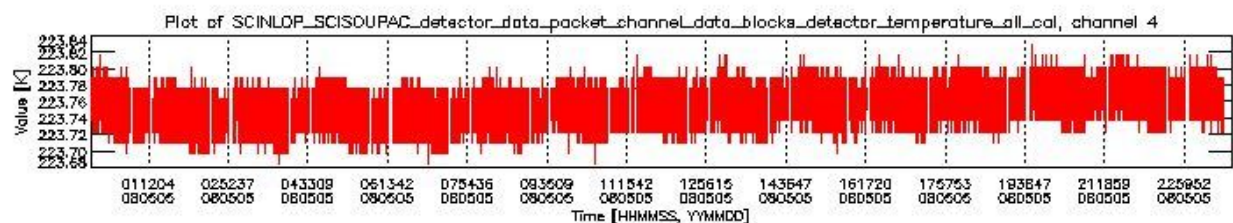
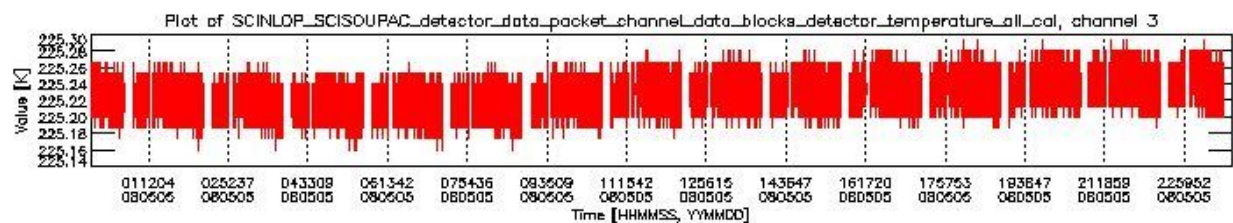
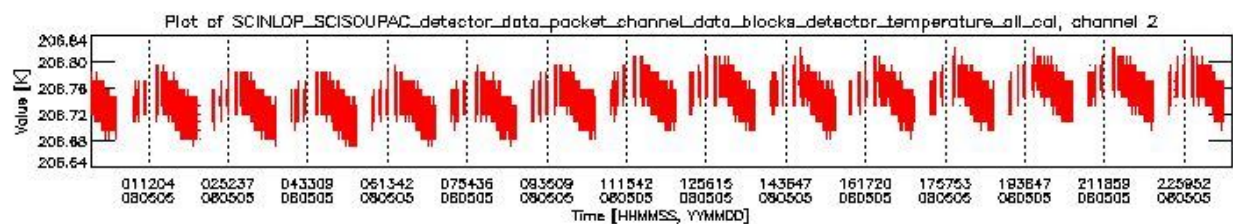
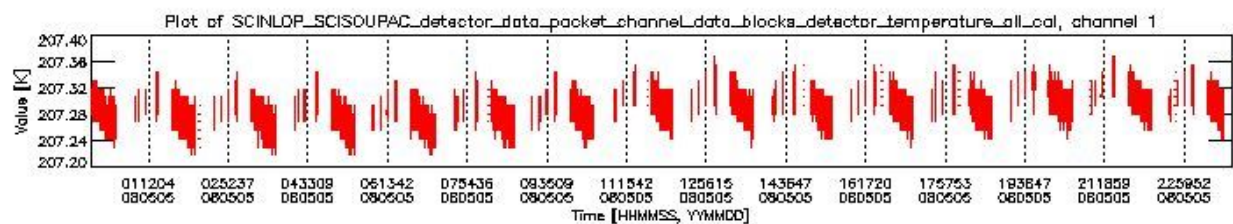
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080505\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080505\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080505\_3.PNG

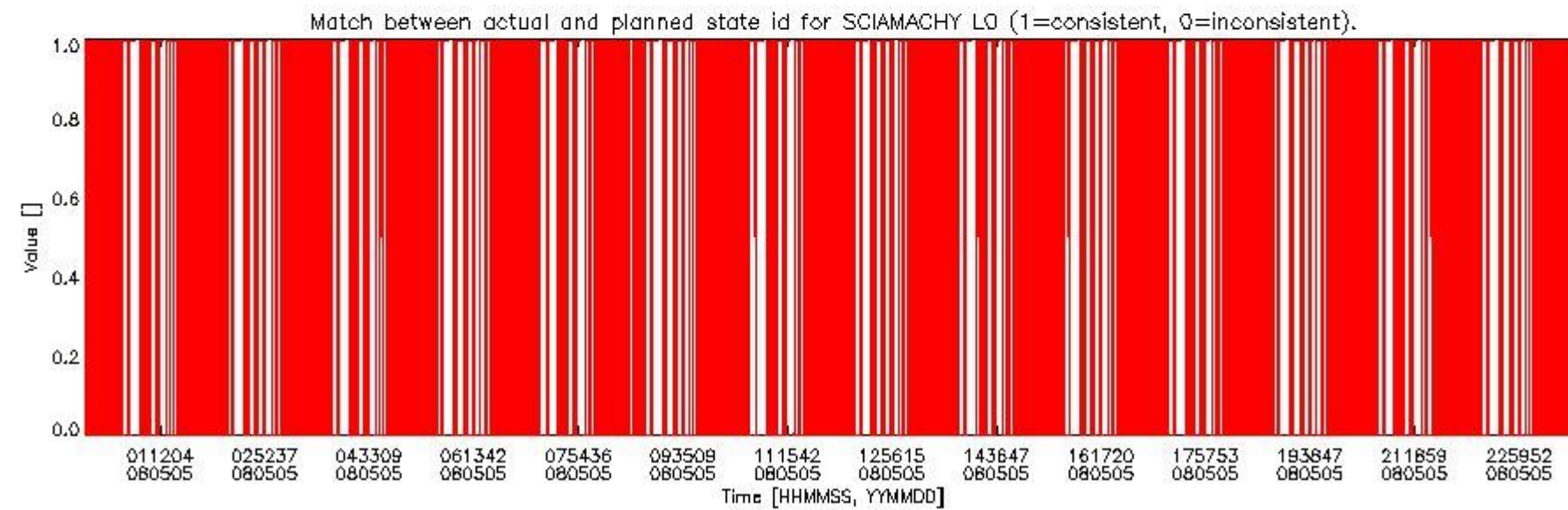
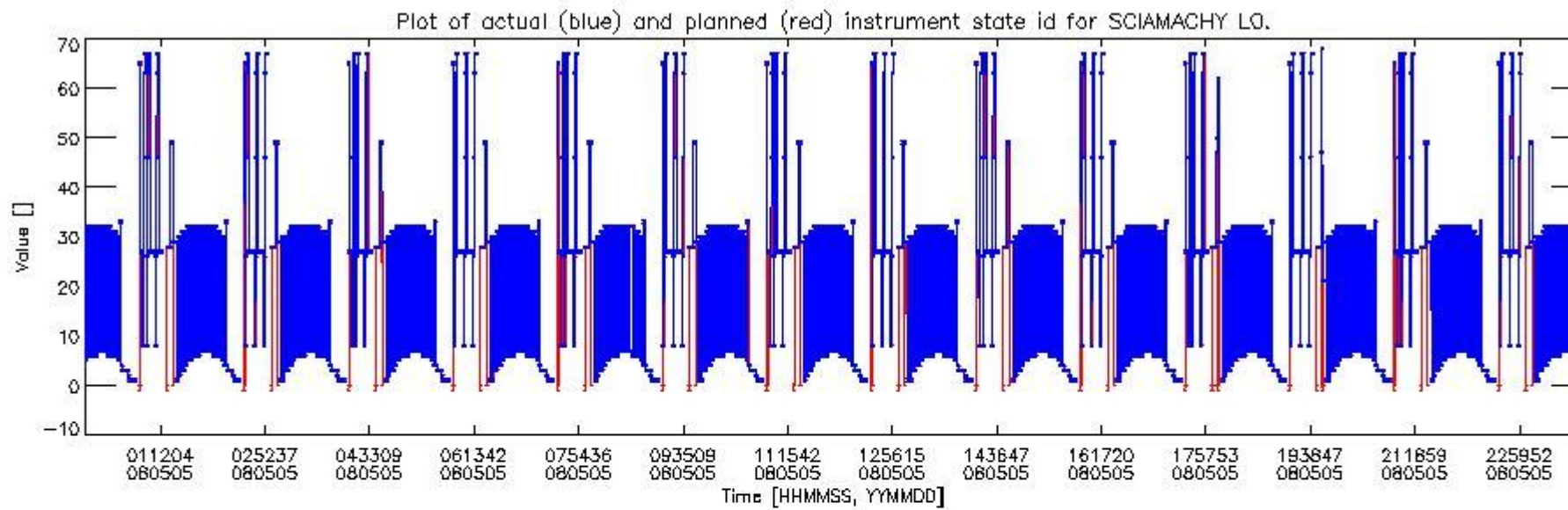


### 0.3 State monitoring

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: **38653**

#	Actual time	Actual value	Planned time	Planned value
0	05MAY2008 00:00:05.556880	32	05MAY2008 00:00:05.556880	5
1	05MAY2008 00:00:06.181861	32	05MAY2008 00:00:06.181861	5
2	05MAY2008 00:00:06.556875	32	05MAY2008 00:00:06.556875	5
3	05MAY2008 00:00:06.931888	32	05MAY2008 00:00:06.931888	5
4	05MAY2008 00:00:07.494387	32	05MAY2008 00:00:07.494387	5
5	05MAY2008 00:00:07.869400	32	05MAY2008 00:00:07.869400	5
6	05MAY2008 00:00:08.244373	32	05MAY2008 00:00:08.244373	5
7	05MAY2008 00:00:08.619386	32	05MAY2008 00:00:08.619386	5
8	05MAY2008 00:00:09.181885	32	05MAY2008 00:00:09.181885	5
9	05MAY2008 00:00:09.556898	32	05MAY2008 00:00:09.556898	5
10	05MAY2008 00:00:09.931871	32	05MAY2008 00:00:09.931871	5
11	05MAY2008 00:00:10.306884	32	05MAY2008 00:00:10.306884	5
12	05MAY2008 00:00:10.556893	32	05MAY2008 00:00:10.556893	5
13	05MAY2008 00:00:10.869384	32	05MAY2008 00:00:10.869384	5
14	05MAY2008 00:00:11.244397	32	05MAY2008 00:00:11.244397	5
15	05MAY2008 00:00:11.619370	32	05MAY2008 00:00:11.619370	5
16	05MAY2008 00:00:11.994383	32	05MAY2008 00:00:11.994383	5
17	05MAY2008 00:00:12.556882	32	05MAY2008 00:00:12.556882	5
18	05MAY2008 00:00:12.931895	32	05MAY2008 00:00:12.931895	5
19	05MAY2008 00:00:13.306868	32	05MAY2008 00:00:13.306868	5
...	...	...	...	...

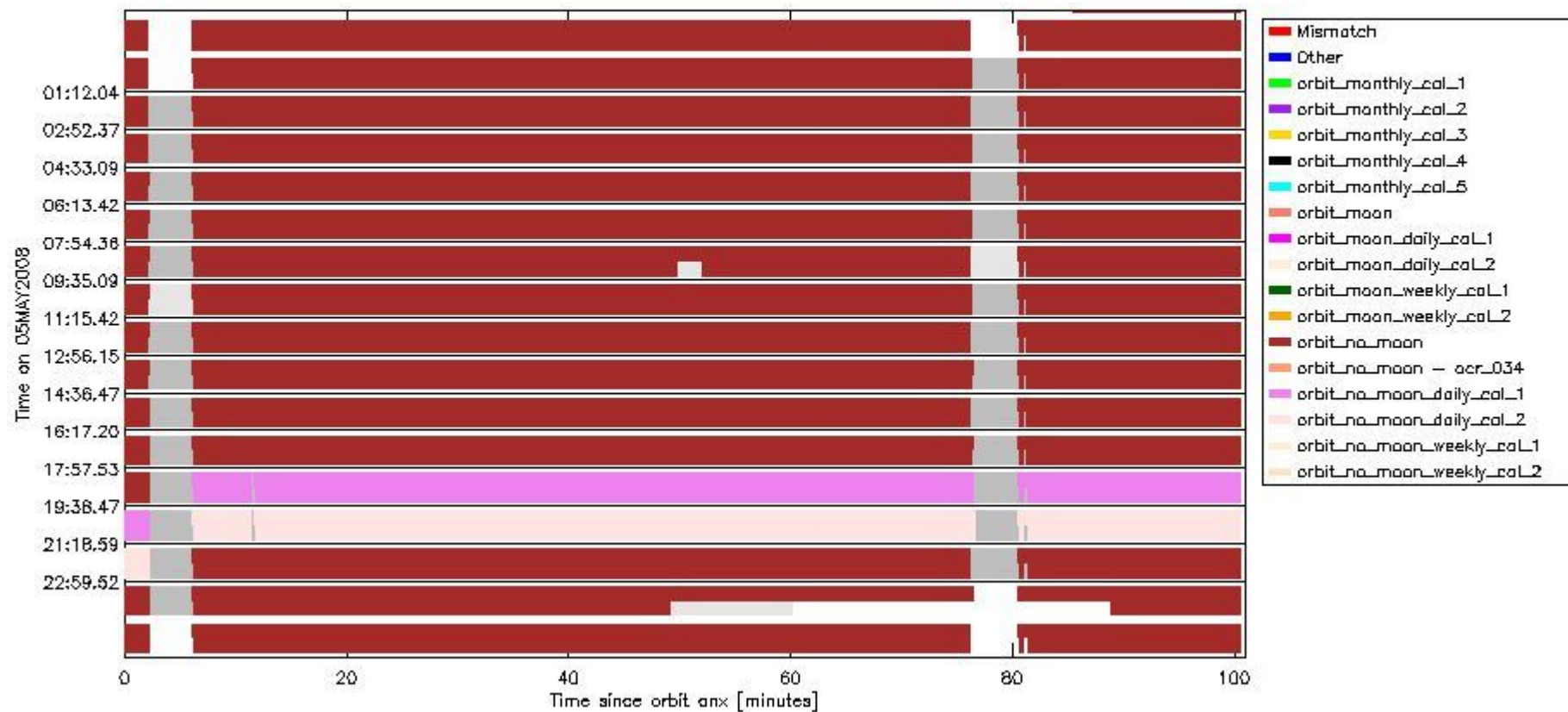


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080505\_5.PNG

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 Q5MAY2008.  
 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\_20080505\_6.PNG

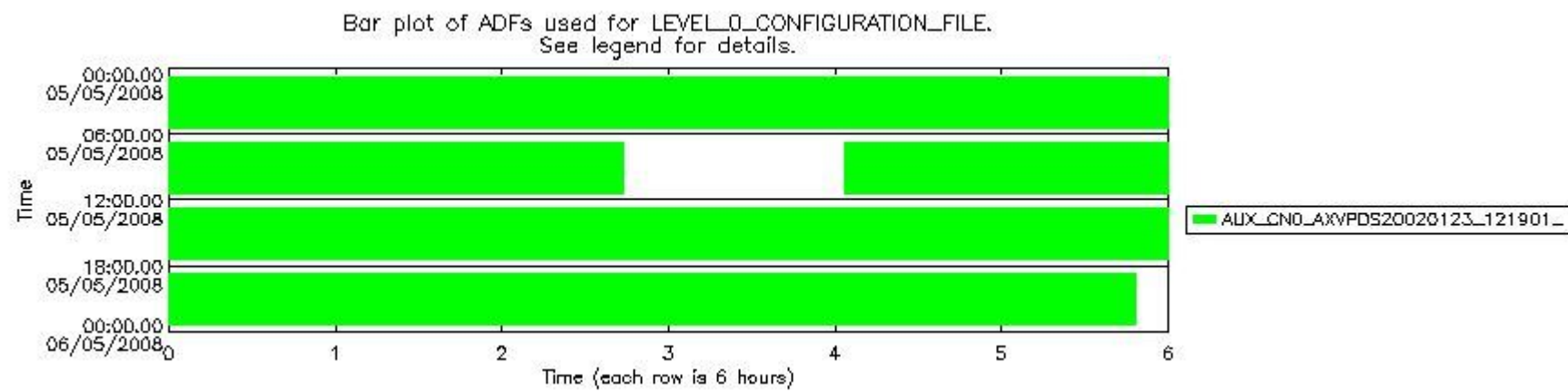
## 0.4 ADF monitoring

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

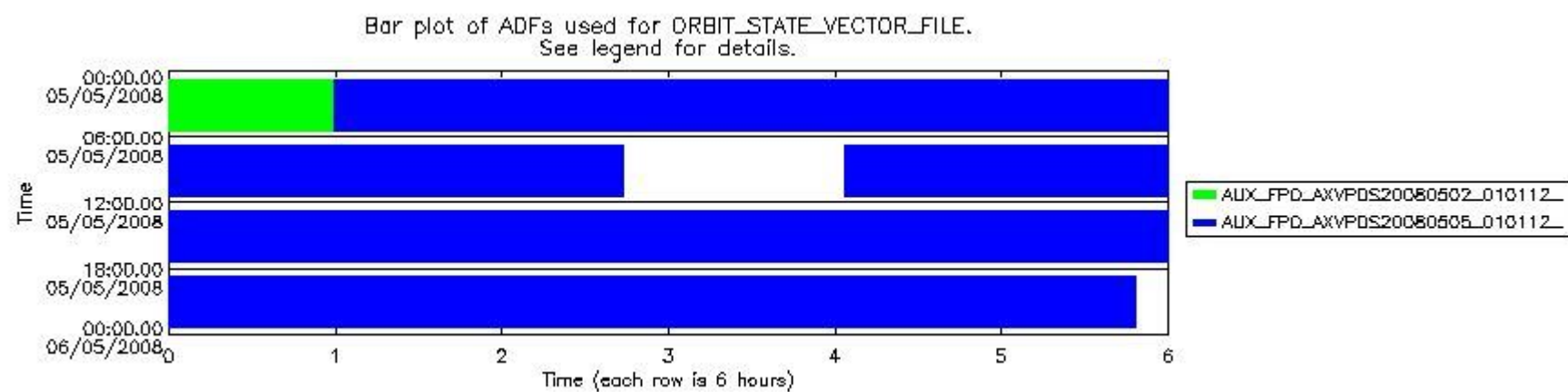
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

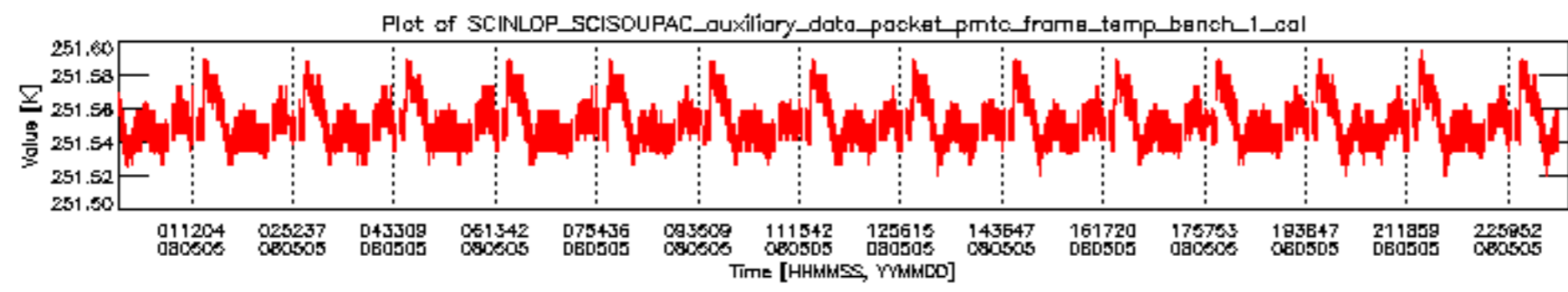
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080502_010112_20080501_182355_20080511_213045
2	AUX_FPO_AXVPDS20080505_010112_20080502_193254_20080512_205908



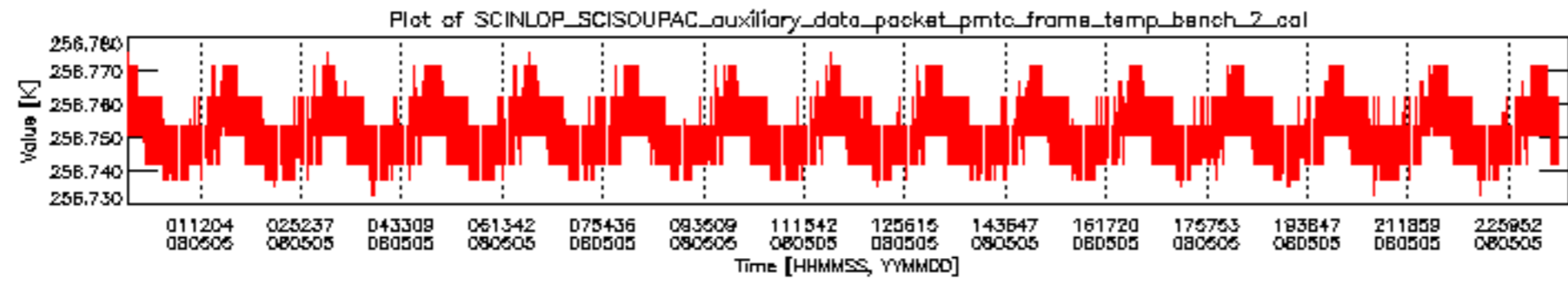
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080505\_7.PNG

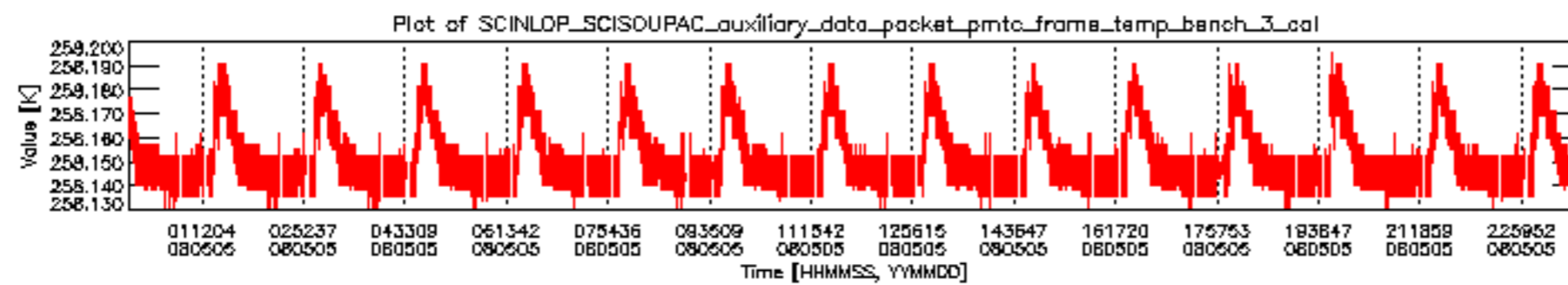


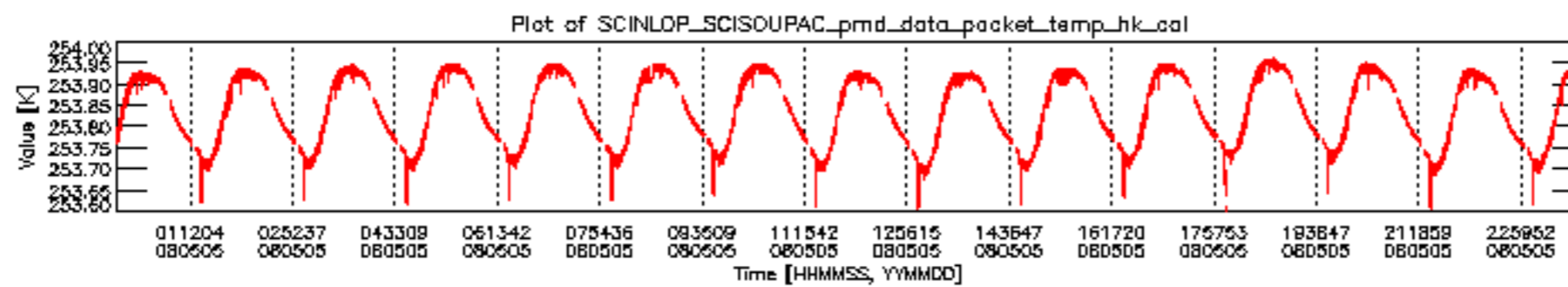
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080505\_8.PNG

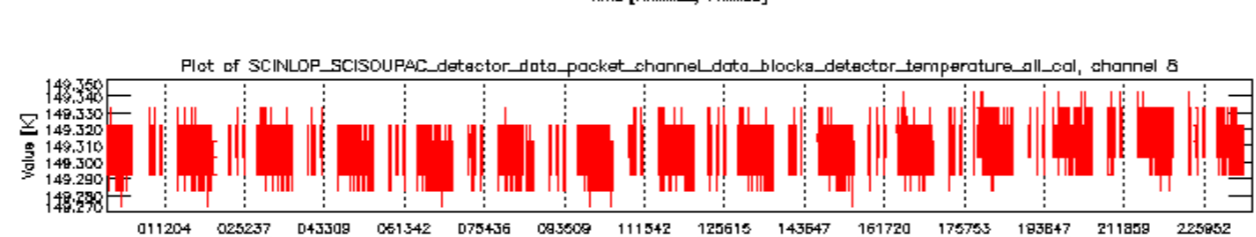
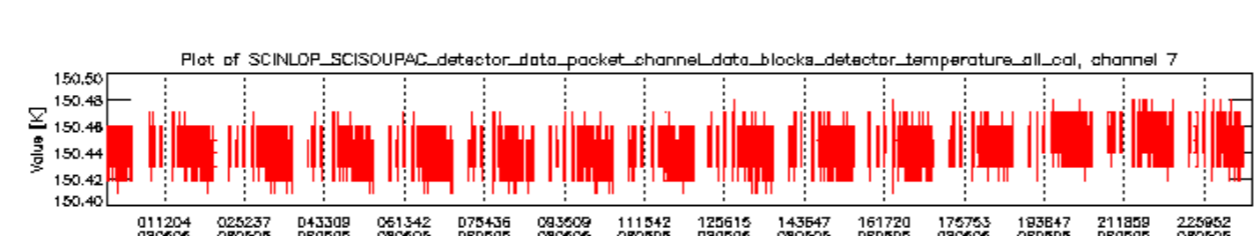
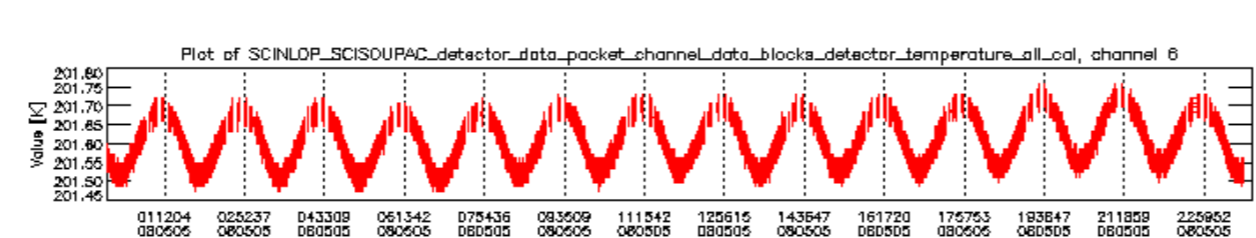
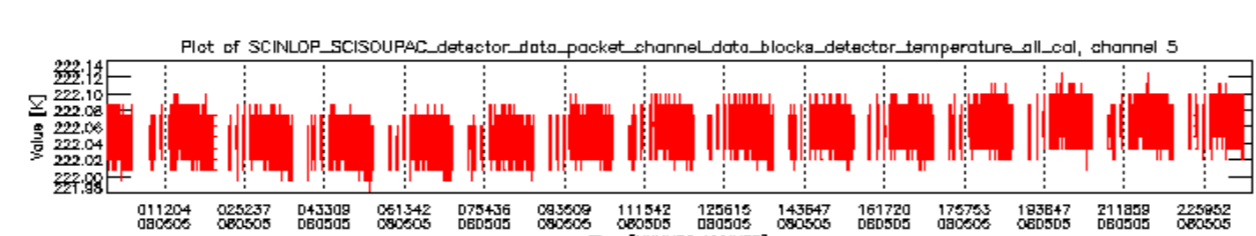
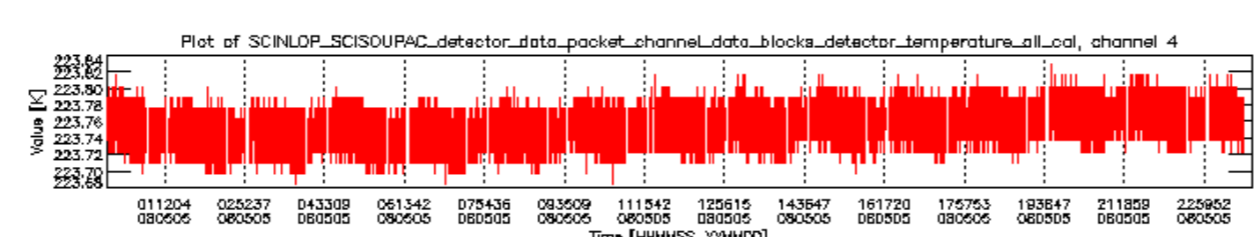
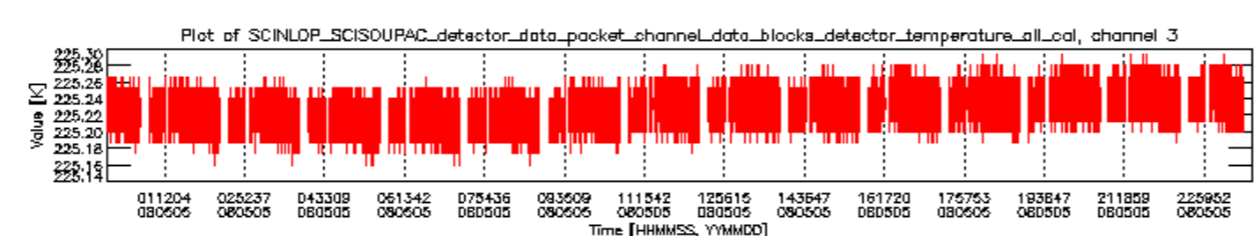
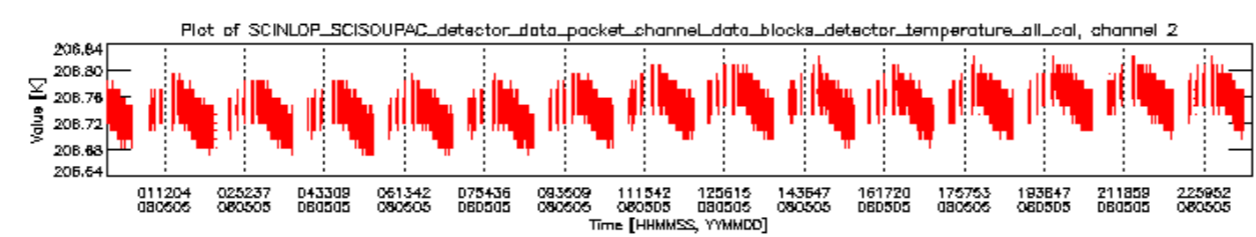
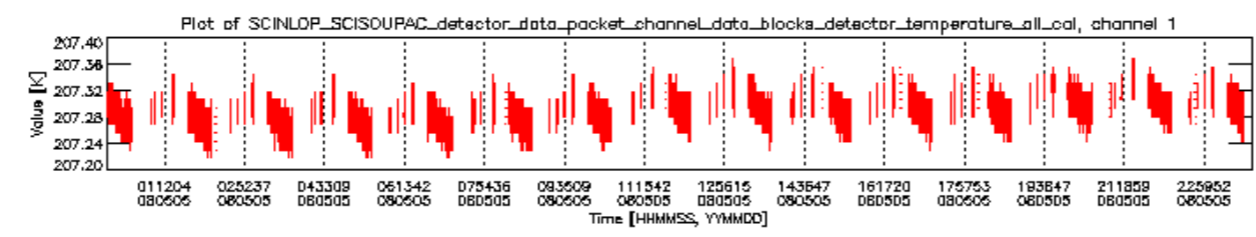


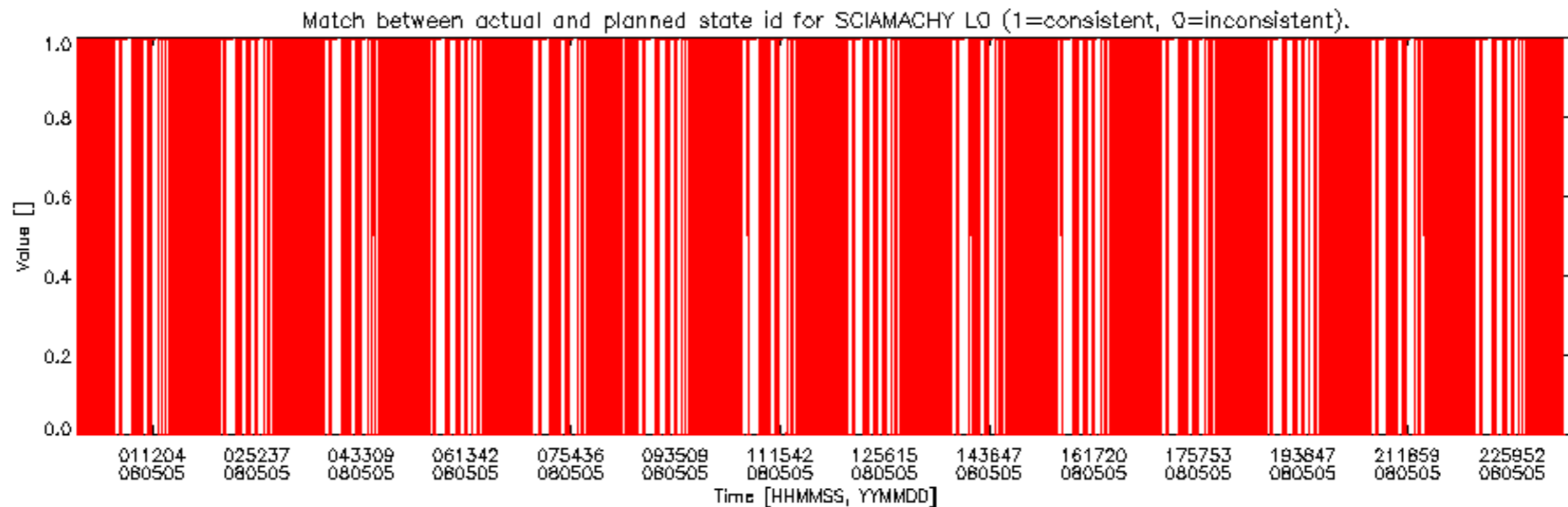
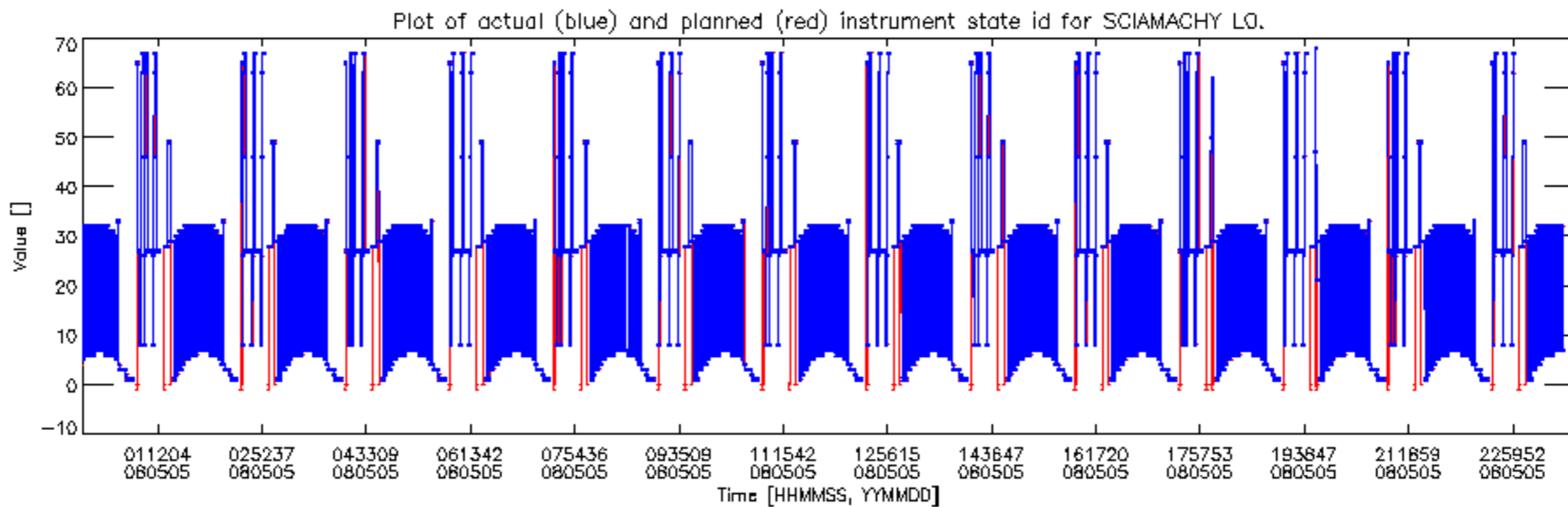












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 05MAY2008.  
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