

## 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	v1.4 20100407
Time of report generation	14MAY2010 02:31:41
Data source version	<Any version>
Processing scope for products	07MAY2010 00:00:00 to 08MAY2010 00:00:00
Start time of first product within scope	07MAY2010 00:51:44
Stop time of last product within scope	08MAY2010 00:22:58
Total number of Level 0 products	14
Number of Level 0 products with errors	0

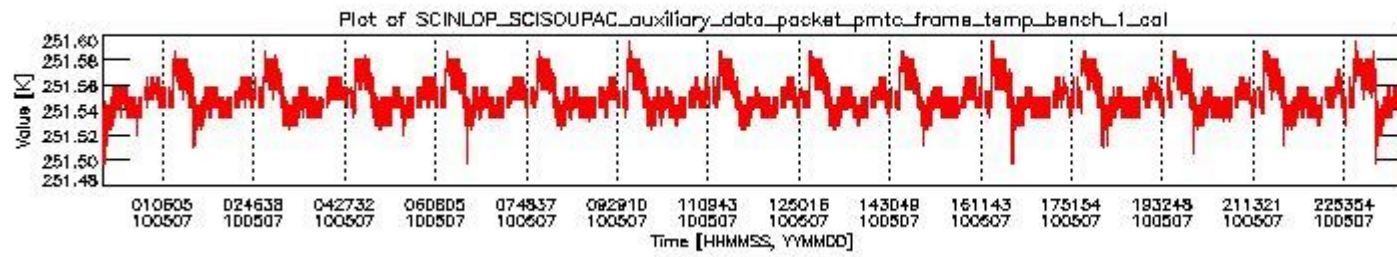
### 0.1.2 Summary per product

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

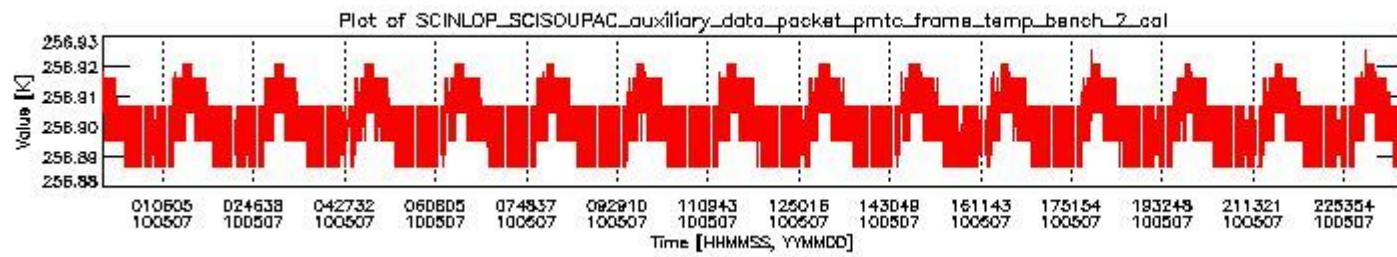
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100507_005144_000097182089_00145_42784_1403.N1	07MAY2010 00:51:44	07MAY2010 03:33:42	0	0	0	0	0
1	SCI_NL__OPNPDE20100507_033246_000069752089_00147_42786_1404.N1	07MAY2010 03:32:46	07MAY2010 05:29:02	0	0	0	0	0
2	SCI_NL__OPNPDE20100507_052753_000060362089_00148_42787_1405.N1	07MAY2010 05:27:53	07MAY2010 07:08:29	0	0	0	0	0
3	SCI_NL__OPNPDK20100507_070829_000040452089_00149_42788_1331.N1	07MAY2010 07:08:29	07MAY2010 08:15:54	0	0	0	0	0
4	SCI_NL__OPNPDK20100507_081458_000061472089_00150_42789_1332.N1	07MAY2010 08:14:58	07MAY2010 09:57:25	0	0	0	0	0
5	SCI_NL__OPNPDK20100507_095629_000060362089_00151_42790_1333.N1	07MAY2010 09:56:29	07MAY2010 11:37:05	0	0	0	0	0
6	SCI_NL__OPNPDK20100507_113705_000059672089_00152_42791_1334.N1	07MAY2010 11:37:05	07MAY2010 13:16:32	0	0	0	0	0
7	SCI_NL__OPNPDK20100507_131536_000059112089_00153_42792_1335.N1	07MAY2010 13:15:36	07MAY2010 14:54:07	0	0	0	0	0
8	SCI_NL__OPNPDK20100507_145407_000057872089_00154_42793_1336.N1	07MAY2010 14:54:07	07MAY2010 16:30:34	0	0	0	0	0
9	SCI_NL__OPNPDK20100507_162925_000059962089_00155_42794_1337.N1	07MAY2010 16:29:25	07MAY2010 18:09:21	0	0	0	0	0
10	SCI_NL__OPNPDK20100507_180717_000060922089_00156_42795_1338.N1	07MAY2010 18:07:17	07MAY2010 19:48:49	0	0	0	0	0
11	SCI_NL__OPNPDE20100507_194753_000040532089_00157_42796_1406.N1	07MAY2010 19:47:53	07MAY2010 20:55:26	0	0	0	0	0
12	SCI_NL__OPNPDE20100507_205311_000065102089_00157_42796_1407.N1	07MAY2010 20:53:11	07MAY2010 22:41:41	0	0	0	0	0
13	SCI_NL__OPNPDE20100507_224010_000061682089_00158_42797_1408.N1	07MAY2010 22:40:10	08MAY2010 00:22:58	0	0	0	0	0

## 0.2 Product Quality Indicators

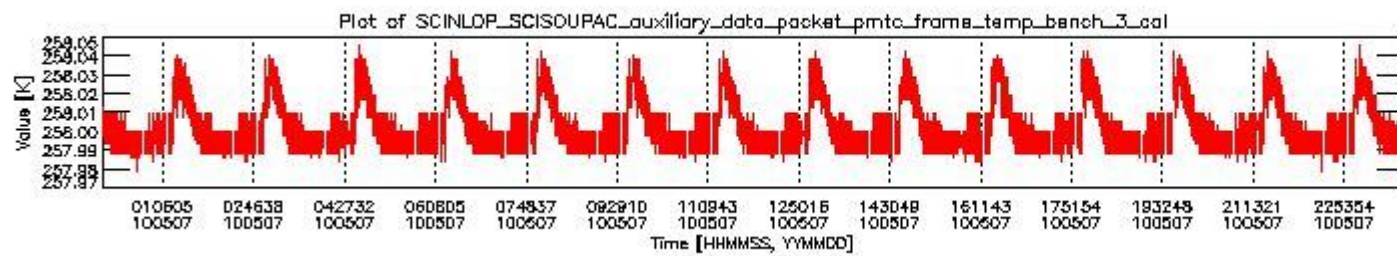
This section shows information about product quality, currently temperatures.



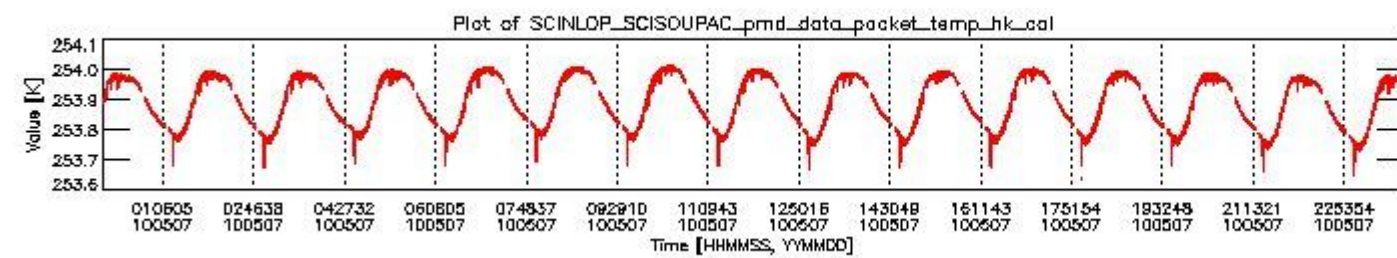
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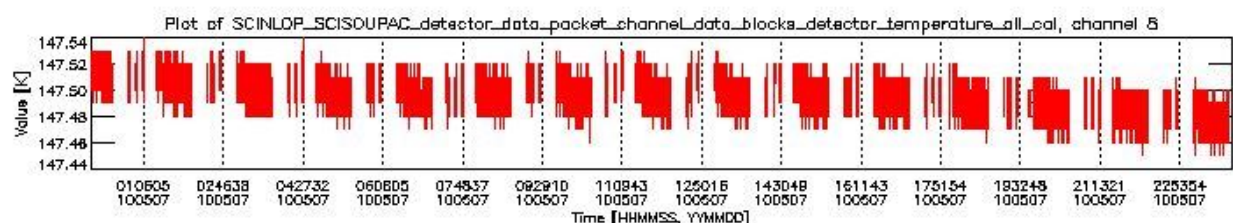
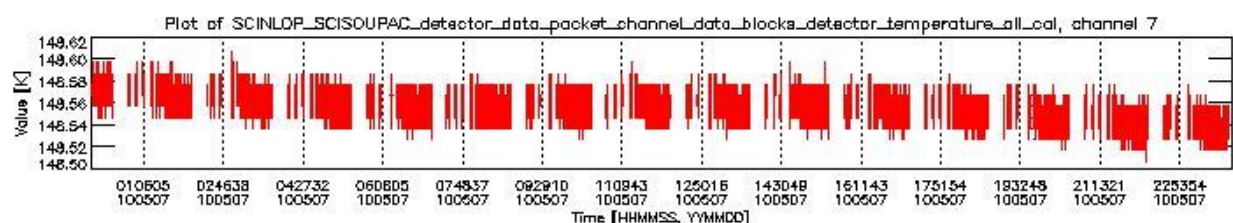
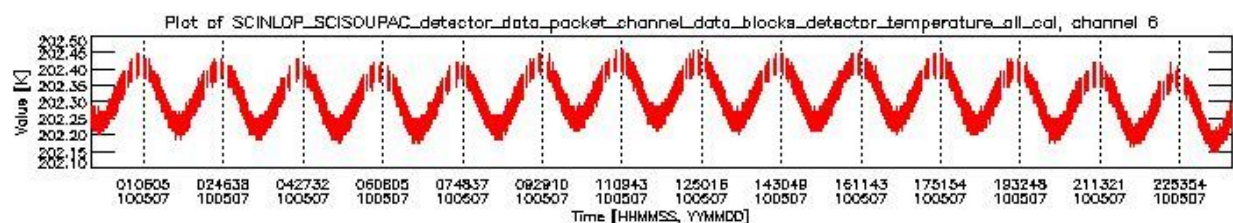
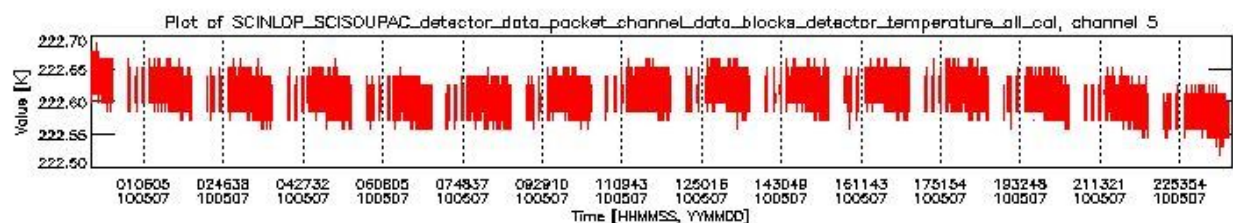
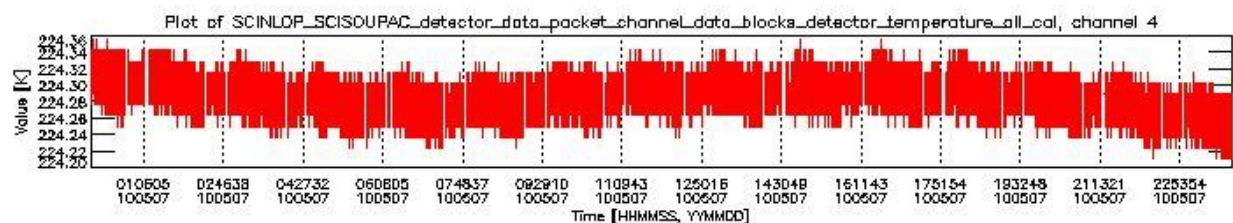
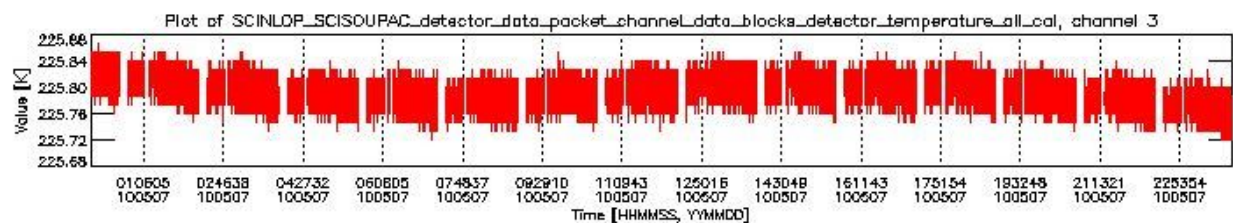
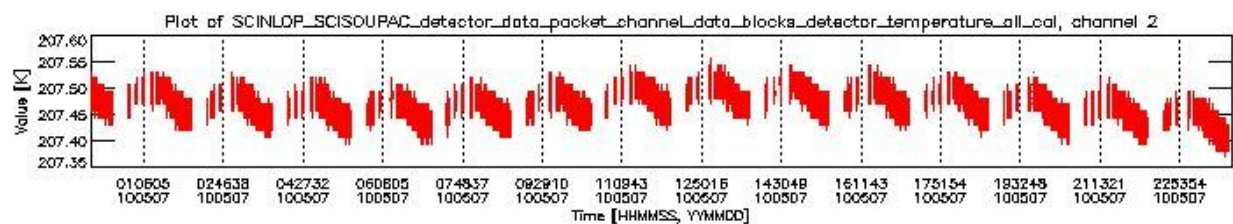
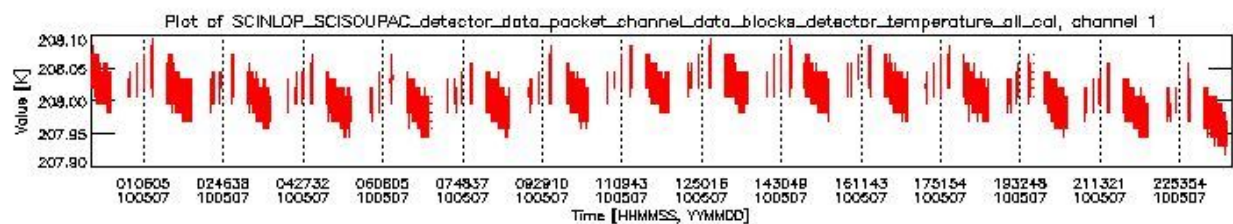
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sciamachy\_daily\_report\_level0\_Any\_version\_20100507\_3.PNG

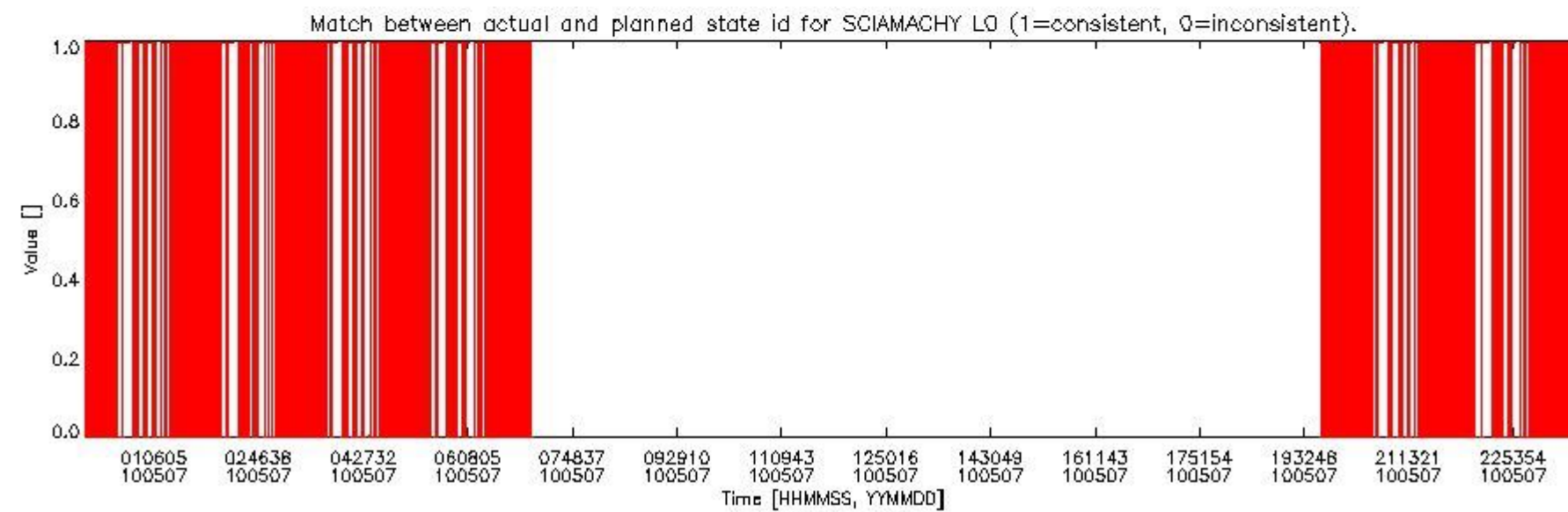
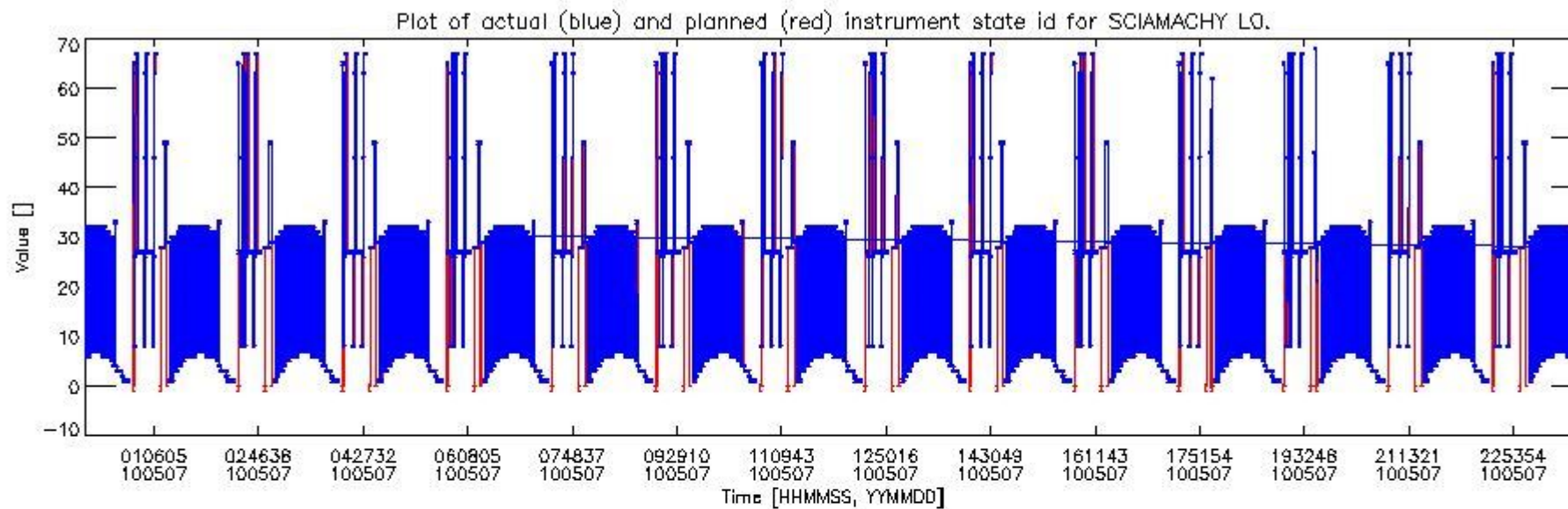


### 0.3 State monitoring

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: **43770**

#	Actual time	Actual value	Planned time	Planned value
0	07MAY2010 00:00:05.024885	6	07MAY2010 00:00:05.024885	32
1	07MAY2010 00:00:05.399885	6	07MAY2010 00:00:05.399885	32
2	07MAY2010 00:00:05.649885	6	07MAY2010 00:00:05.649885	32
3	07MAY2010 00:00:05.899885	6	07MAY2010 00:00:05.899885	32
4	07MAY2010 00:00:06.149885	6	07MAY2010 00:00:06.149885	32
5	07MAY2010 00:00:06.399885	6	07MAY2010 00:00:06.399885	32
6	07MAY2010 00:00:06.649885	6	07MAY2010 00:00:06.649885	32
7	07MAY2010 00:00:06.899885	6	07MAY2010 00:00:06.899885	32
8	07MAY2010 00:00:07.149885	6	07MAY2010 00:00:07.149885	32
9	07MAY2010 00:00:07.399885	6	07MAY2010 00:00:07.399885	32
10	07MAY2010 00:00:07.649885	6	07MAY2010 00:00:07.649885	32
11	07MAY2010 00:00:07.899885	6	07MAY2010 00:00:07.899885	32
12	07MAY2010 00:00:08.149885	6	07MAY2010 00:00:08.149885	32
13	07MAY2010 00:00:08.399885	6	07MAY2010 00:00:08.399885	32
14	07MAY2010 00:00:08.649885	6	07MAY2010 00:00:08.649885	32
15	07MAY2010 00:00:08.899885	6	07MAY2010 00:00:08.899885	32
16	07MAY2010 00:00:09.149885	6	07MAY2010 00:00:09.149885	32
17	07MAY2010 00:00:09.399885	6	07MAY2010 00:00:09.399885	32
18	07MAY2010 00:00:09.649885	6	07MAY2010 00:00:09.649885	32
19	07MAY2010 00:00:09.899885	6	07MAY2010 00:00:09.899885	32
...	...	...	...	...

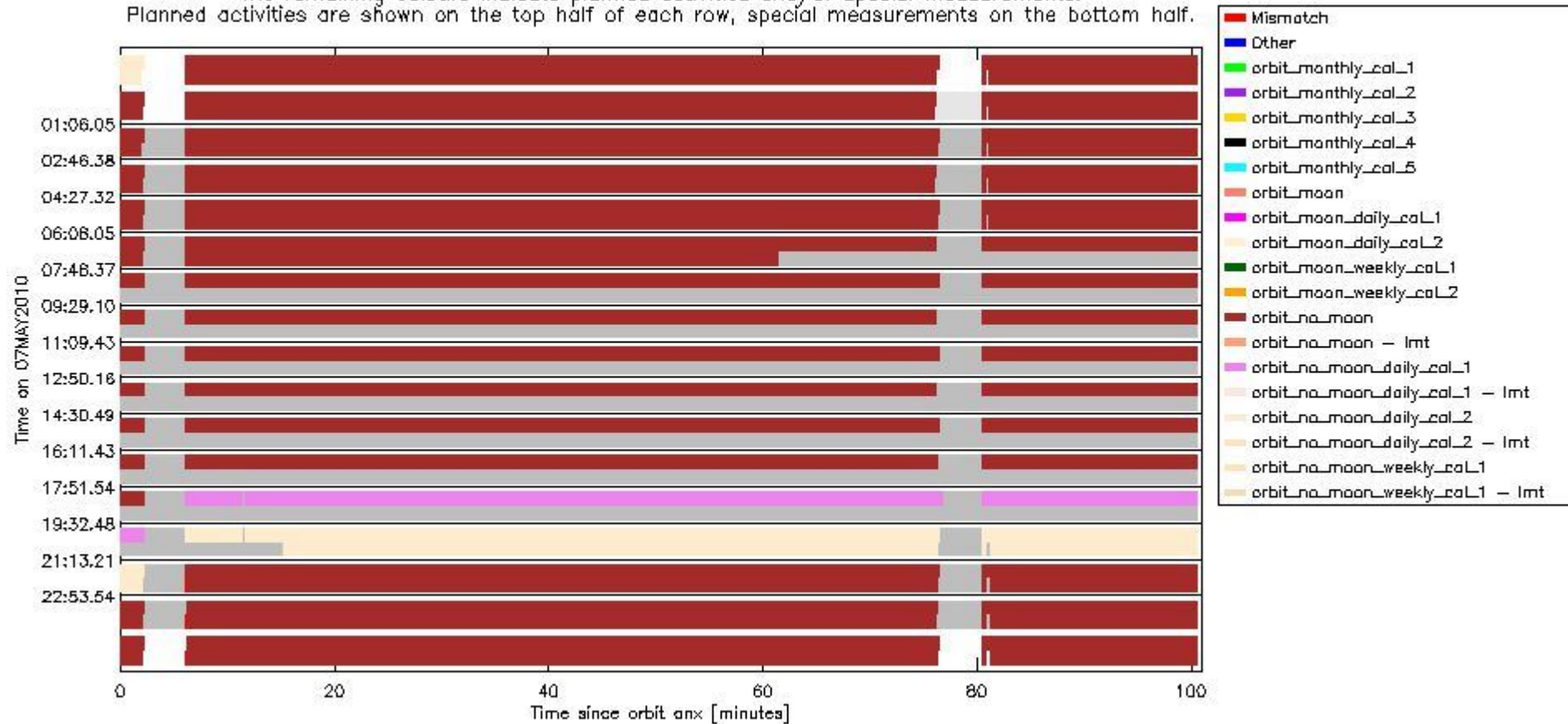


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This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI\_NL\_\_1P products.

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 07MAY2010.  
 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\_Any\_version\_20100507\_6.PNG

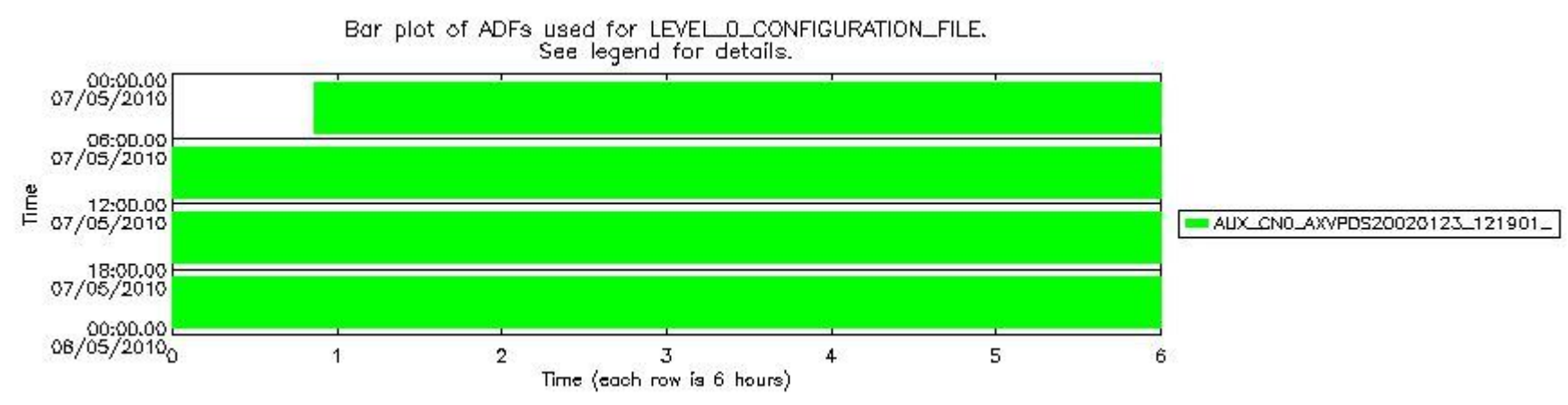
## 0.4 ADF monitoring

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

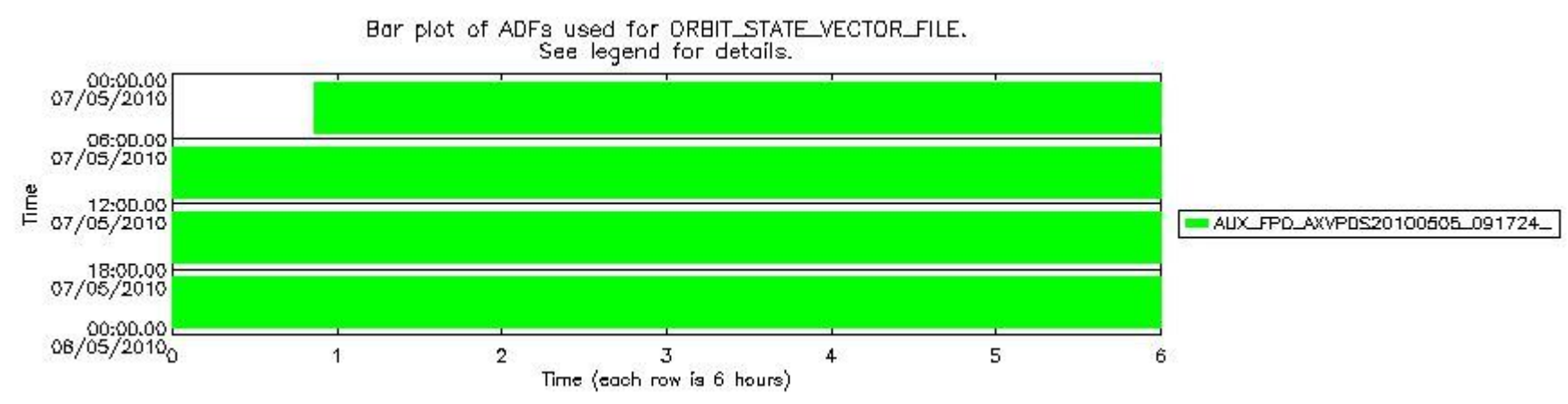
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

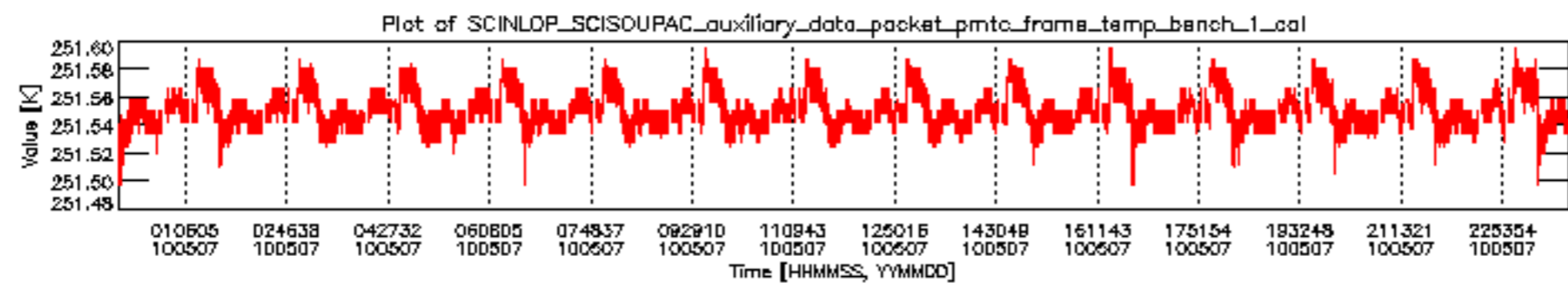
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20100505_091724_20100504_192659_20100514_205313



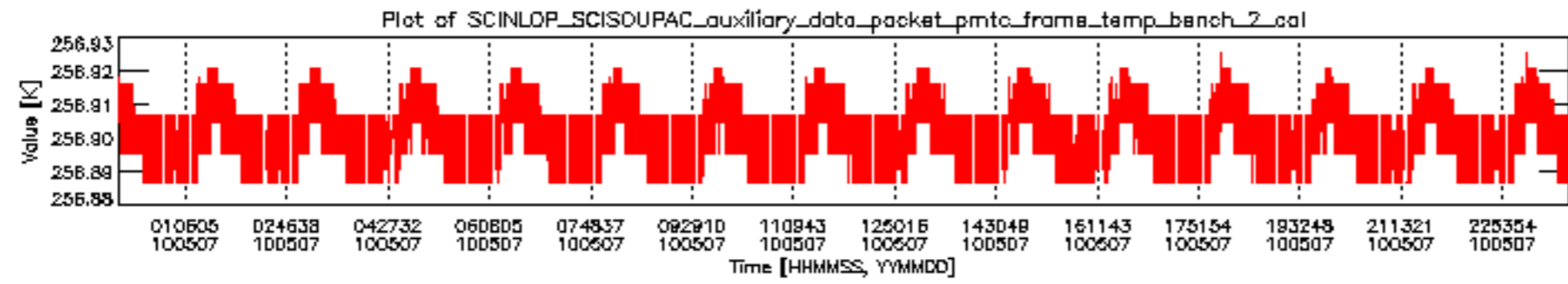
sciamachy\_daily\_report\_level0\_Any\_version\_20100507\_7.PNG

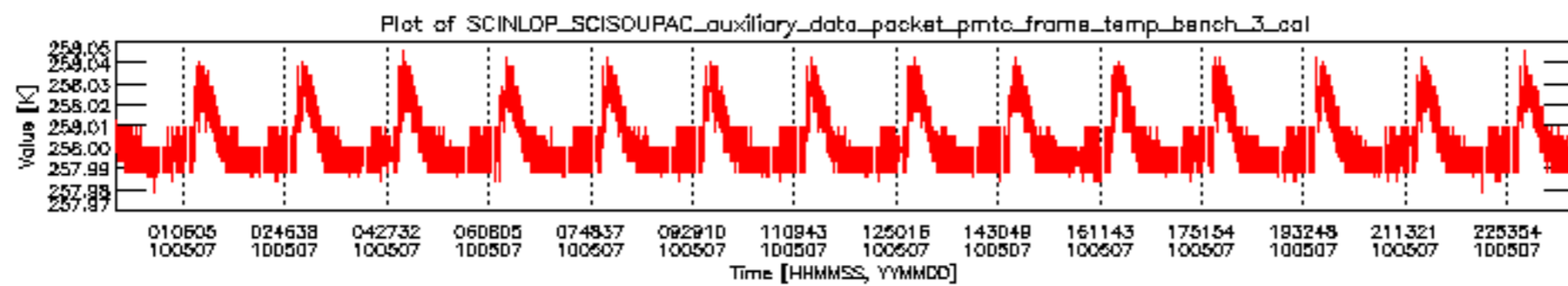


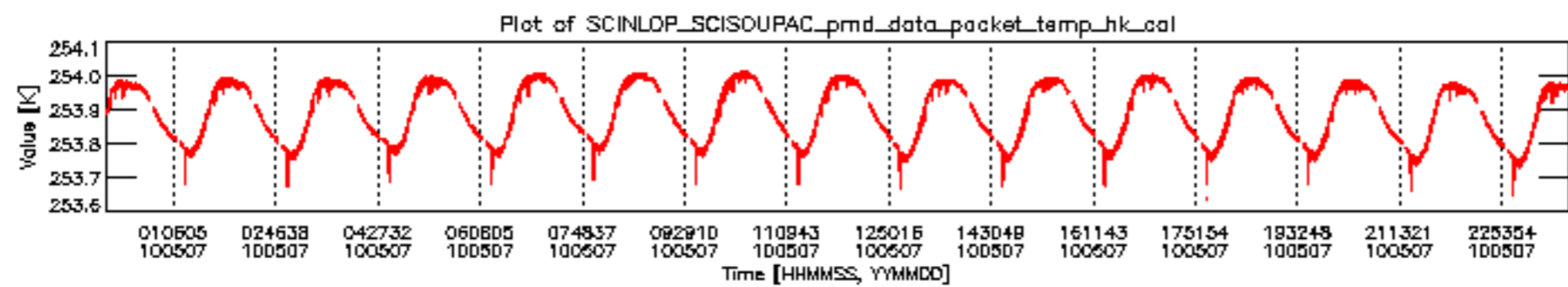
sciamachy\_daily\_report\_level0\_Any\_version\_20100507\_8.PNG

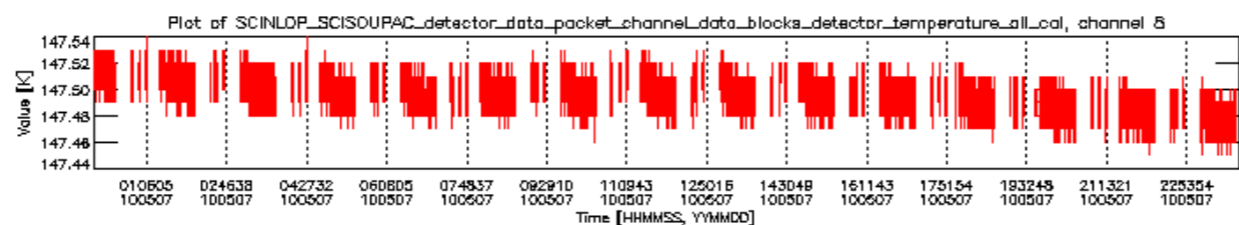
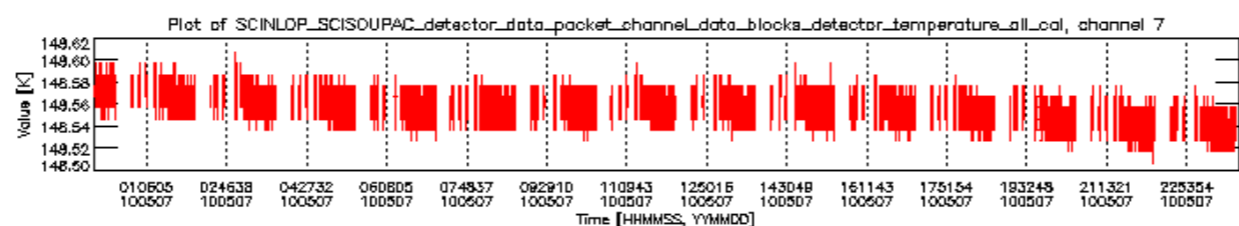
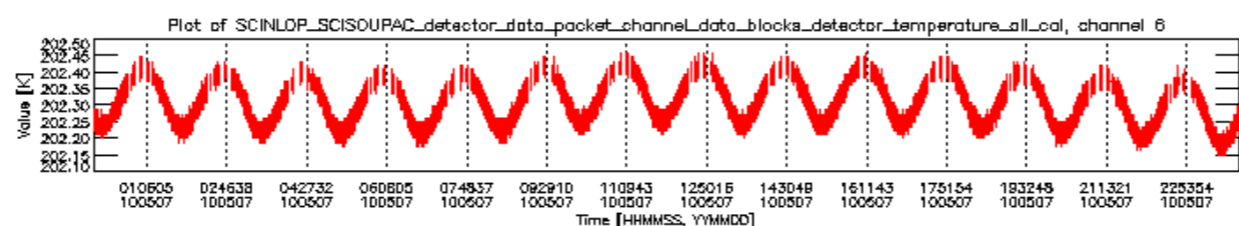
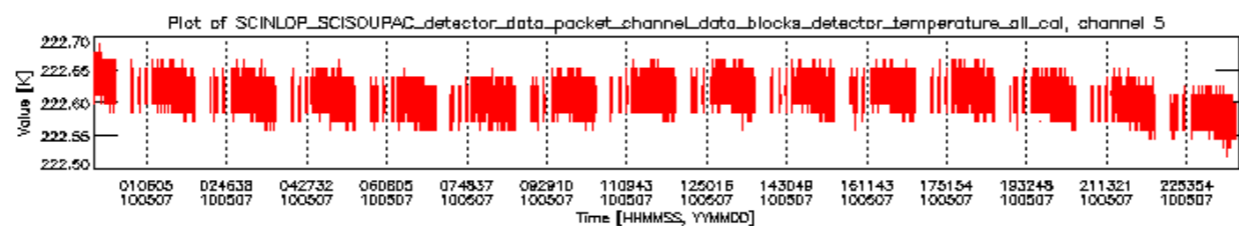
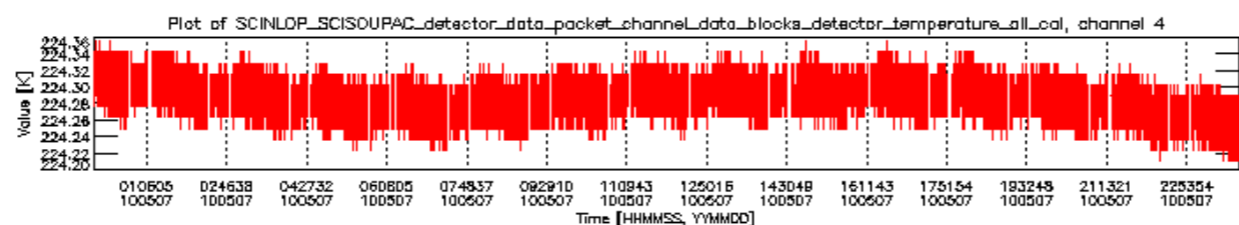
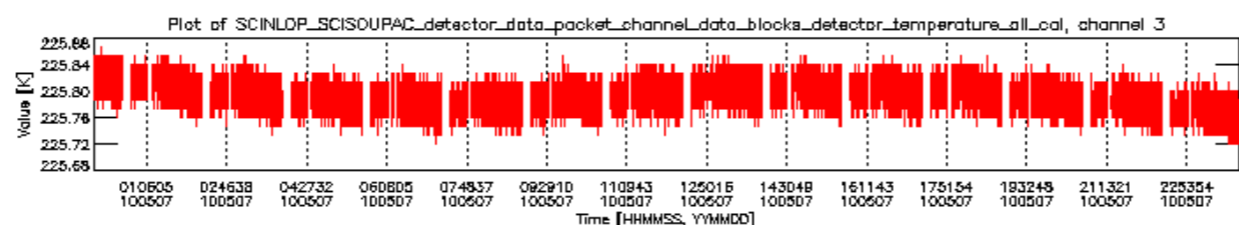
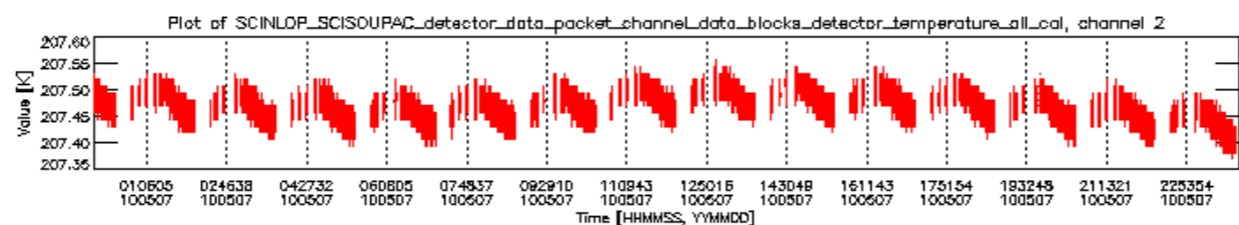
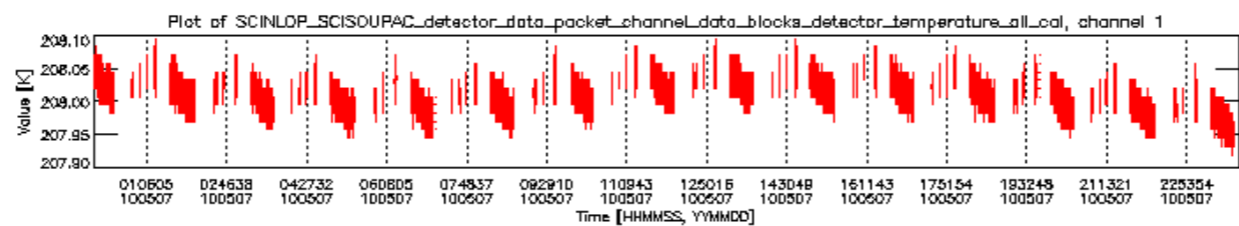


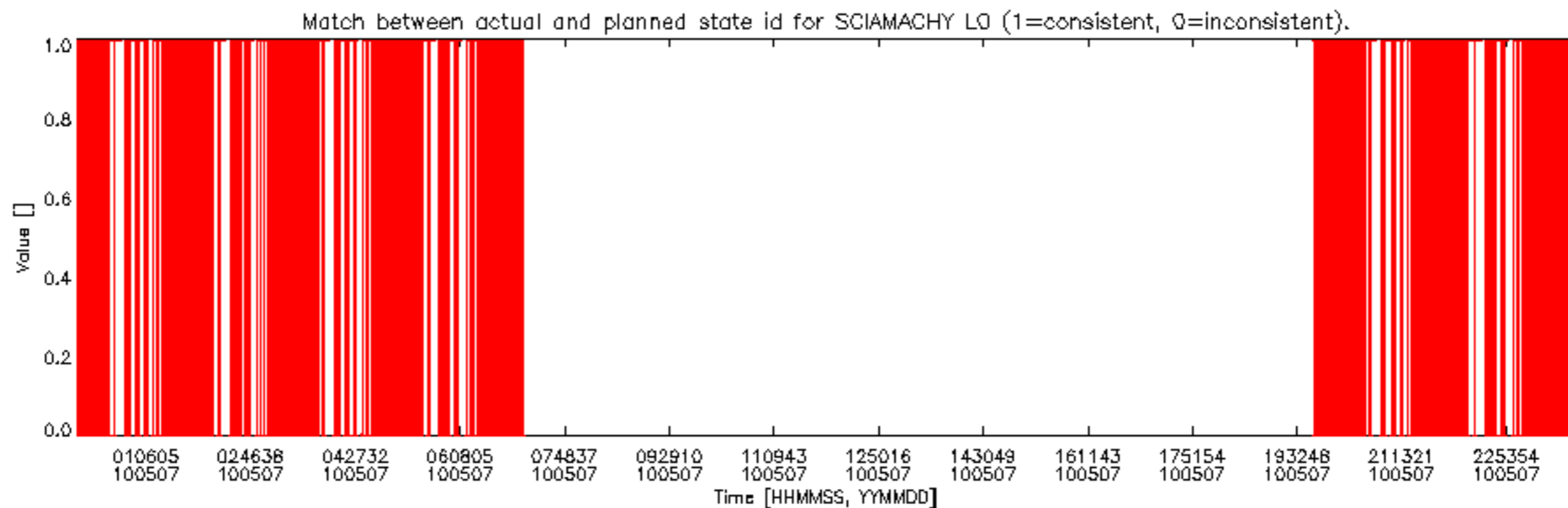
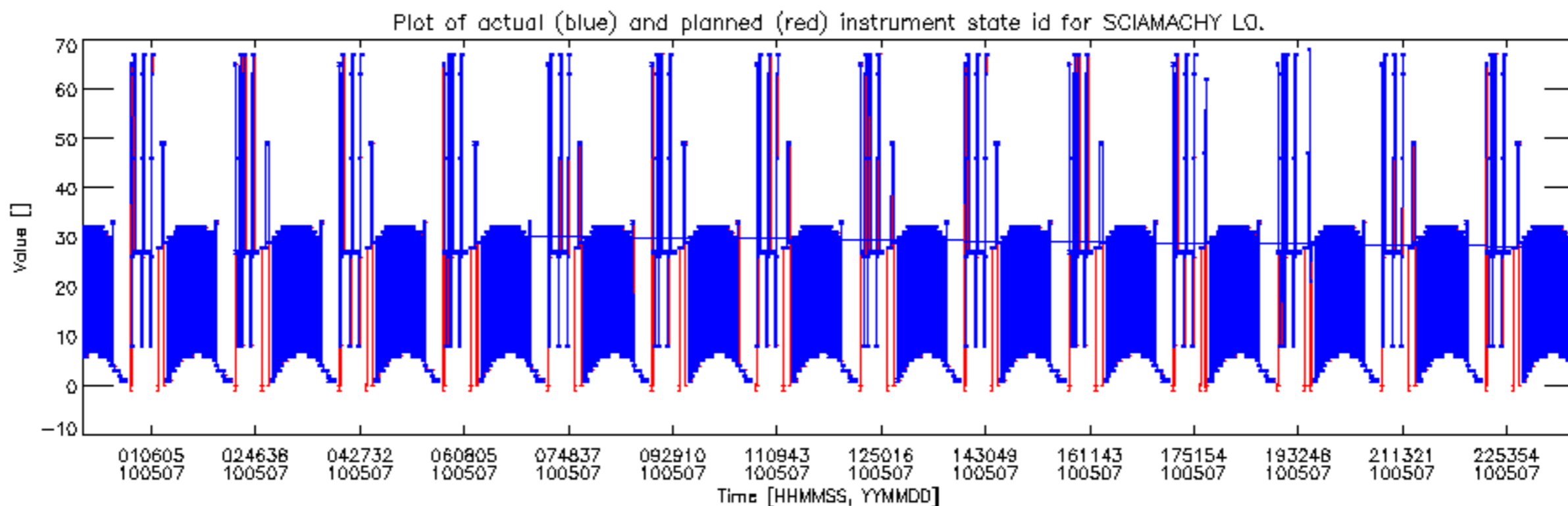












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 07MAY2010.  
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