

## 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	v1.4 20100407
Time of report generation	11MAY2010 09:12:12
Data source version	<Any version>
Processing scope for products	04MAY2010 00:00:00 to 05MAY2010 00:00:00
Start time of first product within scope	04MAY2010 00:49:03
Stop time of last product within scope	05MAY2010 00:17:21
Total number of Level 0 products	15
Number of Level 0 products with errors	1

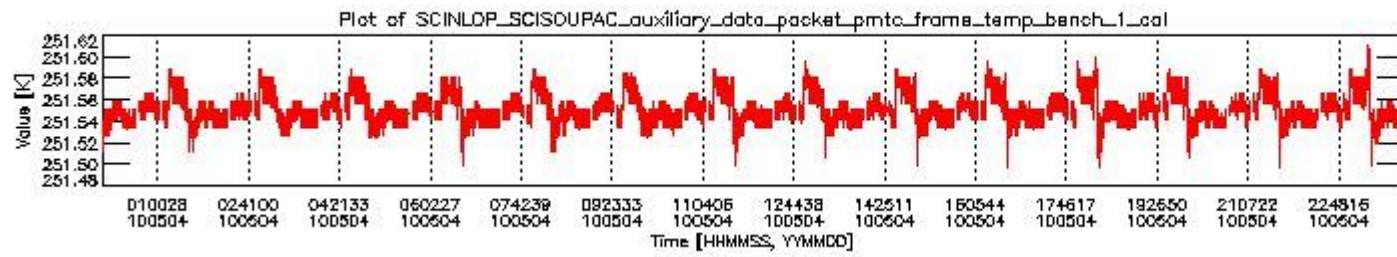
### 0.1.2 Summary per product

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

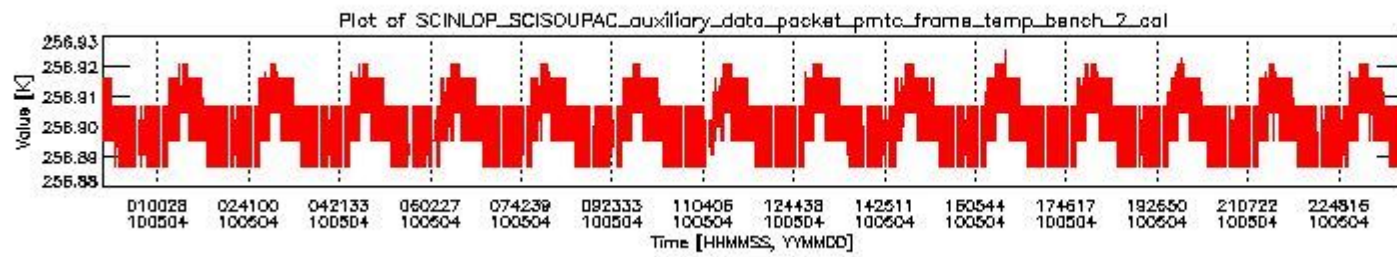
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100504_004903_000056962089_00102_42741_1383.N1	04MAY2010 00:49:03	04MAY2010 02:23:59	0	0	0	0	0
1	SCI_NL__OPNPDE20100504_022238_000046912089_00103_42742_1384.N1	04MAY2010 02:22:38	04MAY2010 03:40:50	0	0	0	0	0
2	SCI_NL__OPNPDE20100504_033941_000062162089_00104_42743_1385.N1	04MAY2010 03:39:41	04MAY2010 05:23:17	0	0	0	0	0
3	SCI_NL__OPNPDE20100504_052221_000060362089_00105_42744_1386.N1	04MAY2010 05:22:21	04MAY2010 07:02:57	0	0	0	0	0
4	SCI_NL__OPNPDK20100504_070257_000040452089_00106_42745_1305.N1	04MAY2010 07:02:57	04MAY2010 08:10:22	0	0	0	0	0
5	SCI_NL__OPNPDK20100504_081022_000061042089_00107_42746_1306.N1	04MAY2010 08:10:22	04MAY2010 09:52:06	0	0	0	0	0
6	SCI_NL__OPNPDK20100504_095206_000058982089_00108_42747_1307.N1	04MAY2010 09:52:06	04MAY2010 11:30:24	0	0	0	0	0
7	SCI_NL__OPNPDK20100504_113024_000060482089_00109_42748_1308.N1	04MAY2010 11:30:24	04MAY2010 13:11:13	0	0	0	0	0
8	SCI_NL__OPNPDK20100504_131113_000058982089_00110_42749_1309.N1	04MAY2010 13:11:13	04MAY2010 14:49:31	0	0	0	0	0
9	SCI_NL__OPNPDK20100504_144835_000058552089_00111_42750_1310.N1	04MAY2010 14:48:35	04MAY2010 16:26:11	0	0	0	0	0
10	SCI_NL__OPNPDK20100504_162502_000059282089_00112_42751_1311.N1	04MAY2010 16:25:02	04MAY2010 18:03:50	1	1	0	0	0
11	SCI_NL__OPNPDK20100504_180241_000060482089_00113_42752_1312.N1	04MAY2010 18:02:41	04MAY2010 19:43:30	0	0	0	0	0
12	SCI_NL__OPNPDE20100504_194221_000041412089_00114_42753_1387.N1	04MAY2010 19:42:21	04MAY2010 20:51:22	0	0	0	0	0
13	SCI_NL__OPNPDE20100504_204954_000064642089_00114_42753_1388.N1	04MAY2010 20:49:54	04MAY2010 22:37:38	0	0	0	0	0
14	SCI_NL__OPNPDE20100504_223654_000060282089_00115_42754_1389.N1	04MAY2010 22:36:54	05MAY2010 00:17:21	0	0	0	0	0

## 0.2 Product Quality Indicators

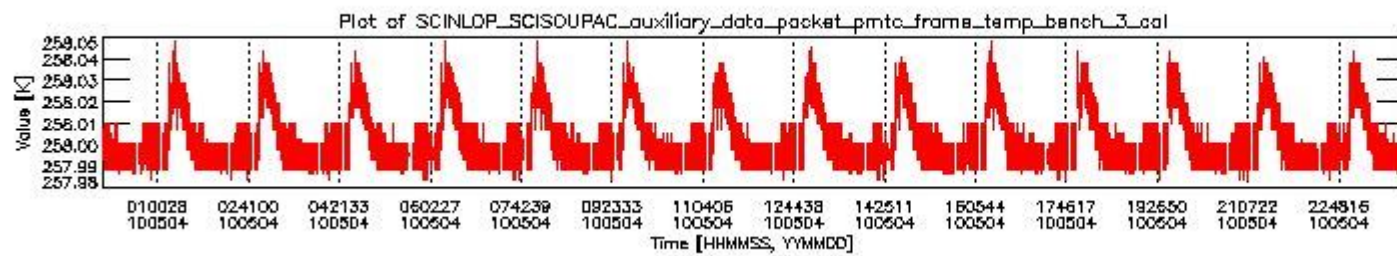
This section shows information about product quality, currently temperatures.



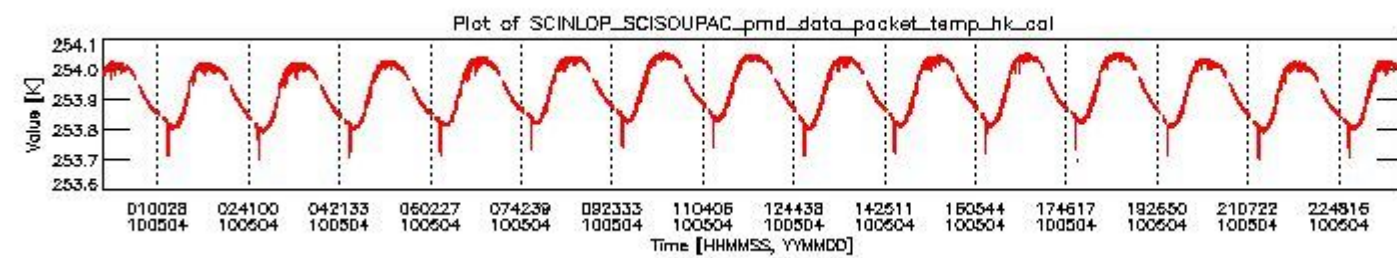
sciamachy\_daily\_report\_level0\_Any\_version\_20100504\_0.PNG



sciamachy\_daily\_report\_level0\_Any\_version\_20100504\_1.PNG

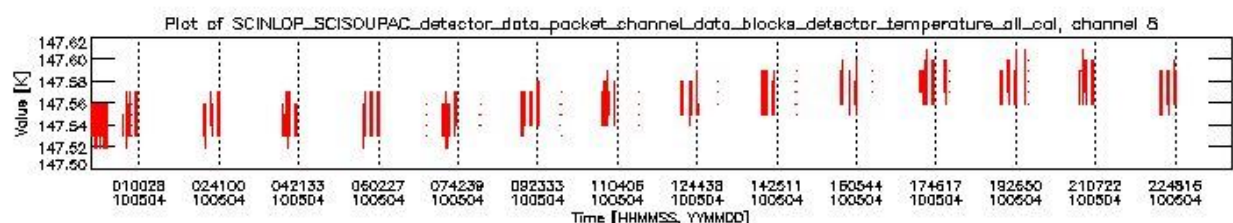
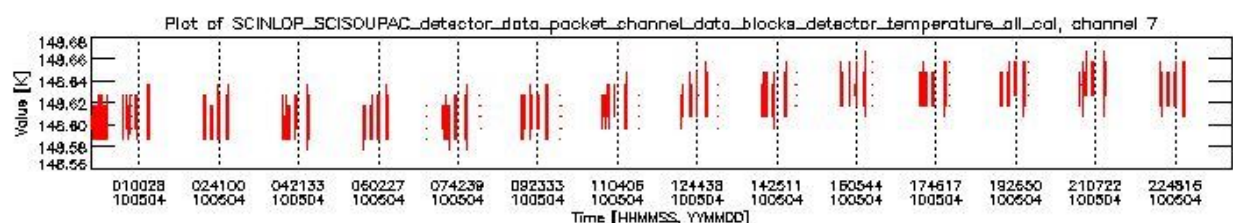
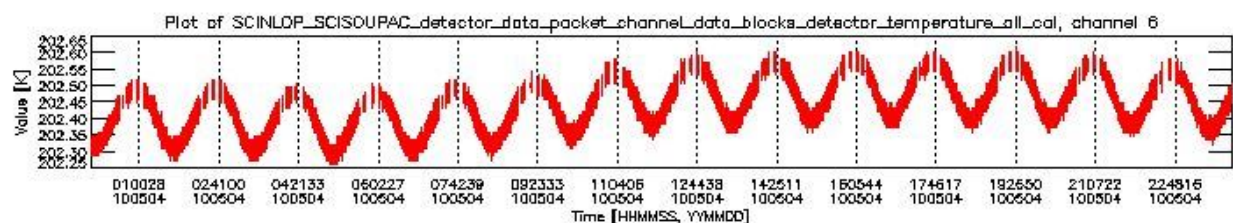
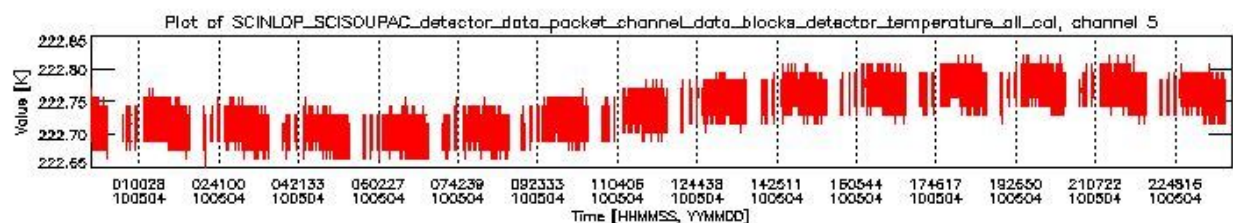
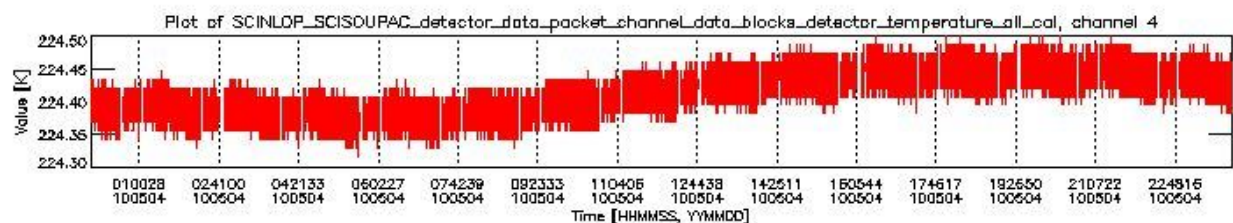
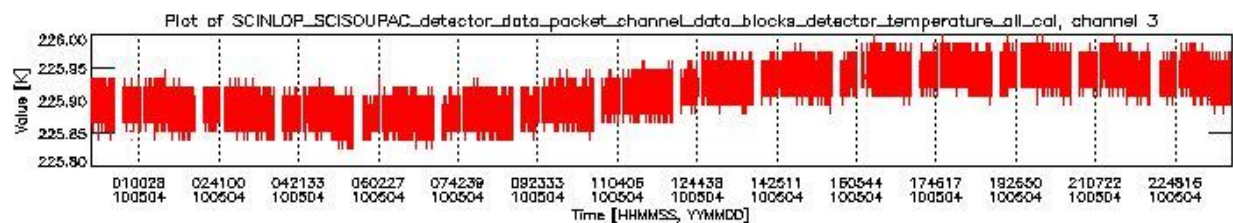
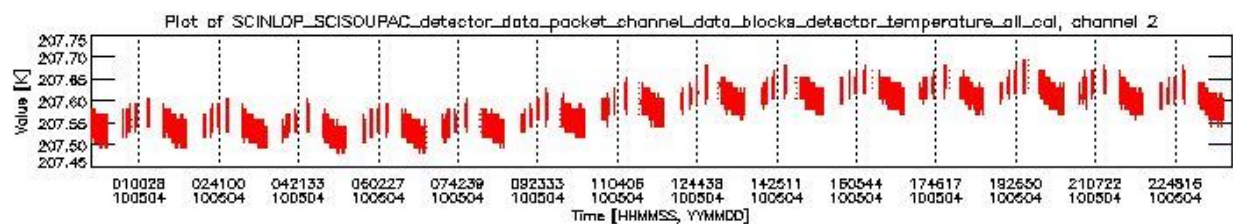
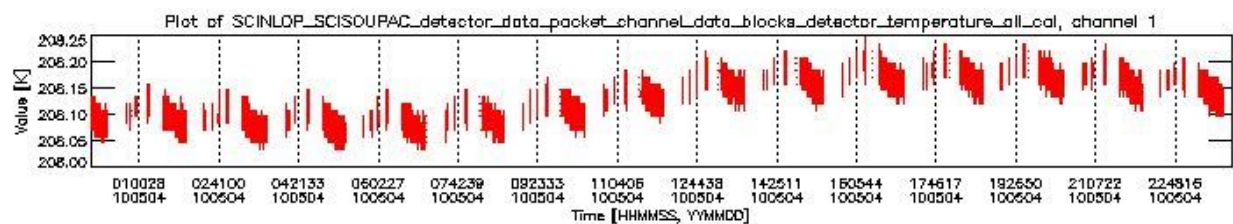


sciamachy\_daily\_report\_level0\_Any\_version\_20100504\_2.PNG



sciamachy\_daily\_report\_level0\_Any\_version\_20100504\_3.PNG



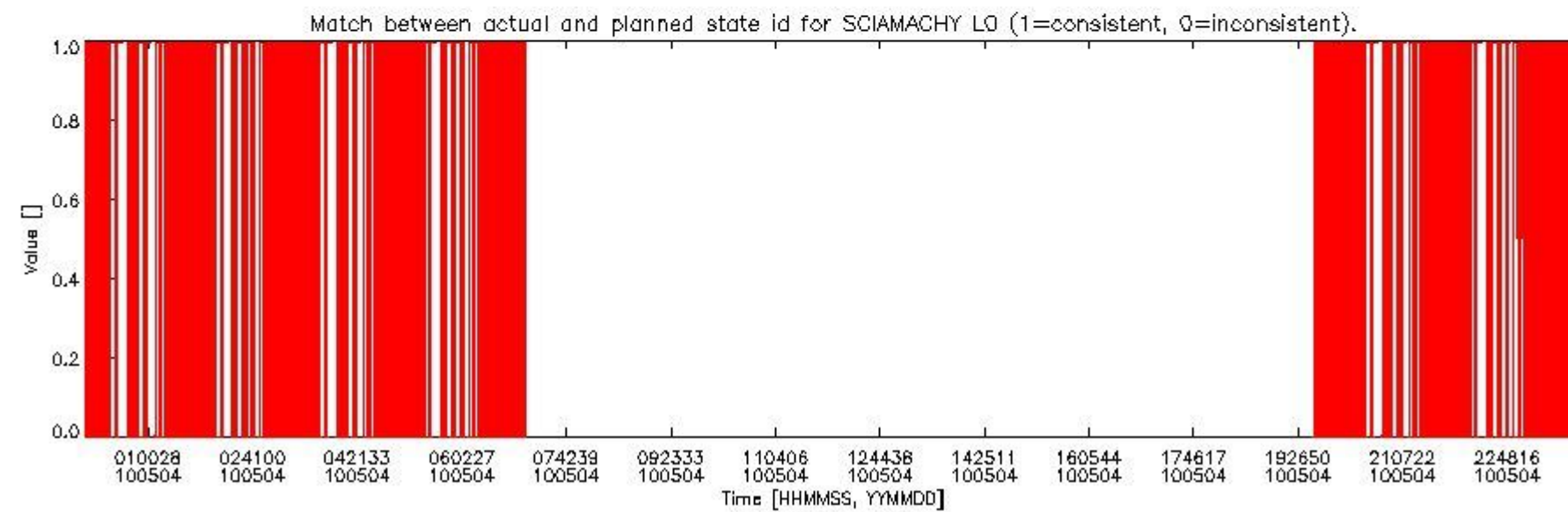
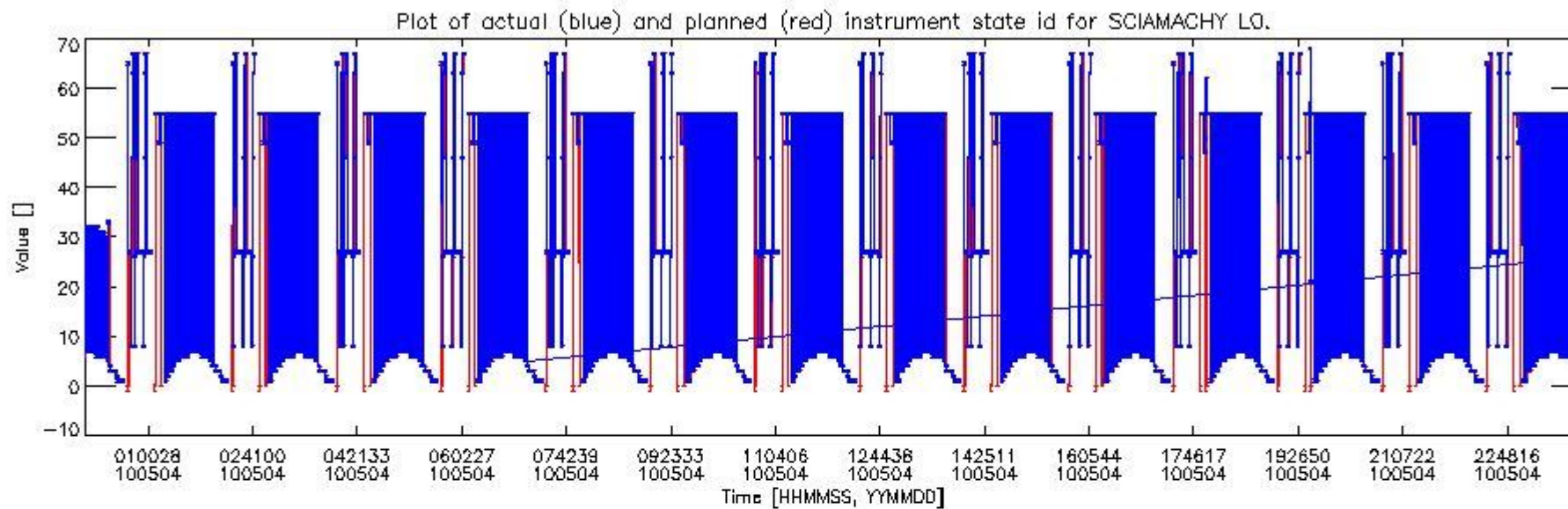


### 0.3 State monitoring

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: **44151**

#	Actual time	Actual value	Planned time	Planned value
0	04MAY2010 00:00:00.230788	7	04MAY2010 00:00:00.230788	32
1	04MAY2010 00:00:00.480788	7	04MAY2010 00:00:00.480788	32
2	04MAY2010 00:00:00.605788	7	04MAY2010 00:00:00.605788	32
3	04MAY2010 00:00:00.730788	7	04MAY2010 00:00:00.730788	32
4	04MAY2010 00:00:00.980788	7	04MAY2010 00:00:00.980788	32
5	04MAY2010 00:00:01.230788	7	04MAY2010 00:00:01.230788	32
6	04MAY2010 00:00:01.480788	7	04MAY2010 00:00:01.480788	32
7	04MAY2010 00:00:01.730788	7	04MAY2010 00:00:01.730788	32
8	04MAY2010 00:00:01.980788	7	04MAY2010 00:00:01.980788	32
9	04MAY2010 00:00:02.230788	7	04MAY2010 00:00:02.230788	32
10	04MAY2010 00:00:02.480788	7	04MAY2010 00:00:02.480788	32
11	04MAY2010 00:00:02.730788	7	04MAY2010 00:00:02.730788	32
12	04MAY2010 00:00:02.980788	7	04MAY2010 00:00:02.980788	32
13	04MAY2010 00:00:03.230788	7	04MAY2010 00:00:03.230788	32
14	04MAY2010 00:00:03.480788	7	04MAY2010 00:00:03.480788	32
15	04MAY2010 00:00:03.730788	7	04MAY2010 00:00:03.730788	32
16	04MAY2010 00:00:03.980788	7	04MAY2010 00:00:03.980788	32
17	04MAY2010 00:00:04.230788	7	04MAY2010 00:00:04.230788	32
18	04MAY2010 00:00:04.480788	7	04MAY2010 00:00:04.480788	32
19	04MAY2010 00:00:04.730788	7	04MAY2010 00:00:04.730788	32
...	...	...	...	...



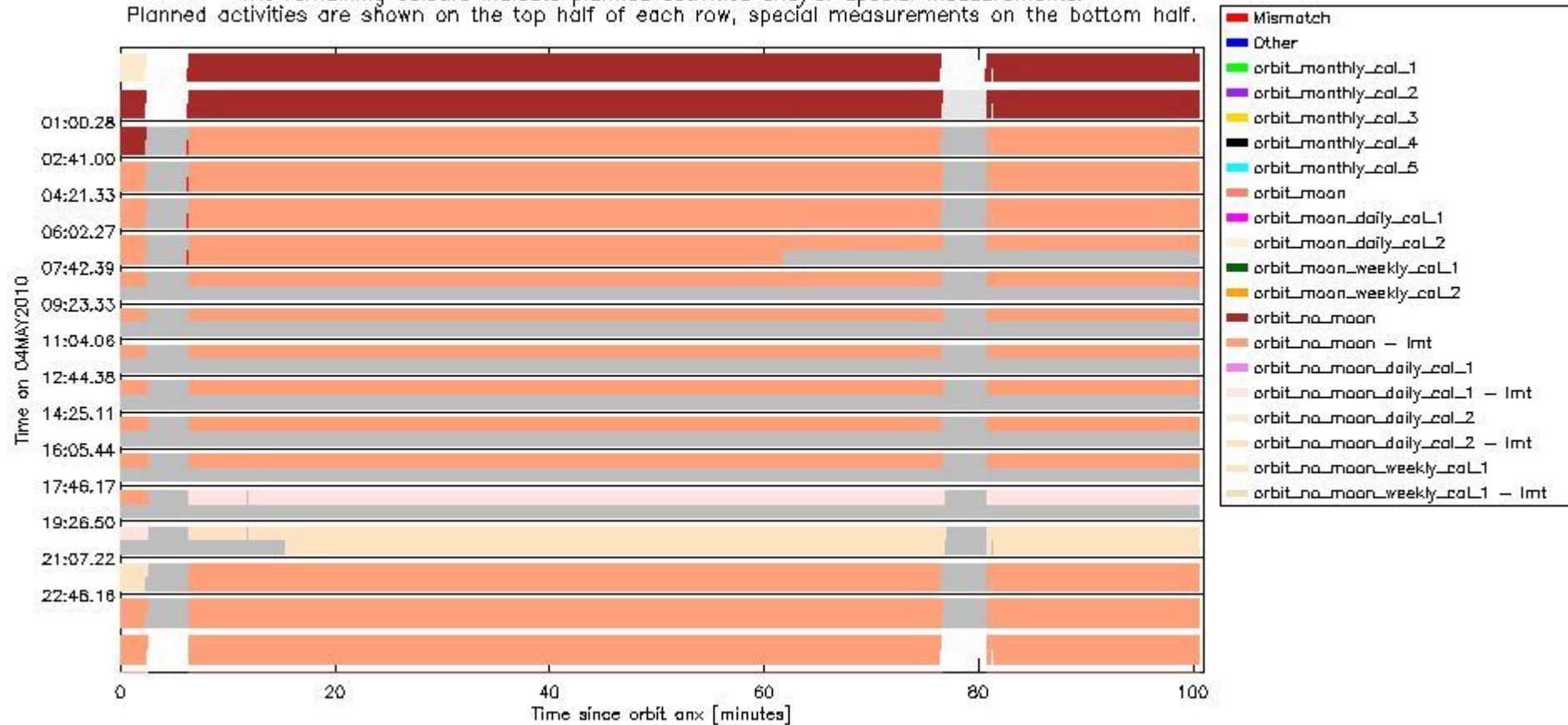
sciamachy\_daily\_report\_level0\_Any\_version\_20100504\_5.PNG

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 04MAY2010.  
 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\_20100504\_6.PNG

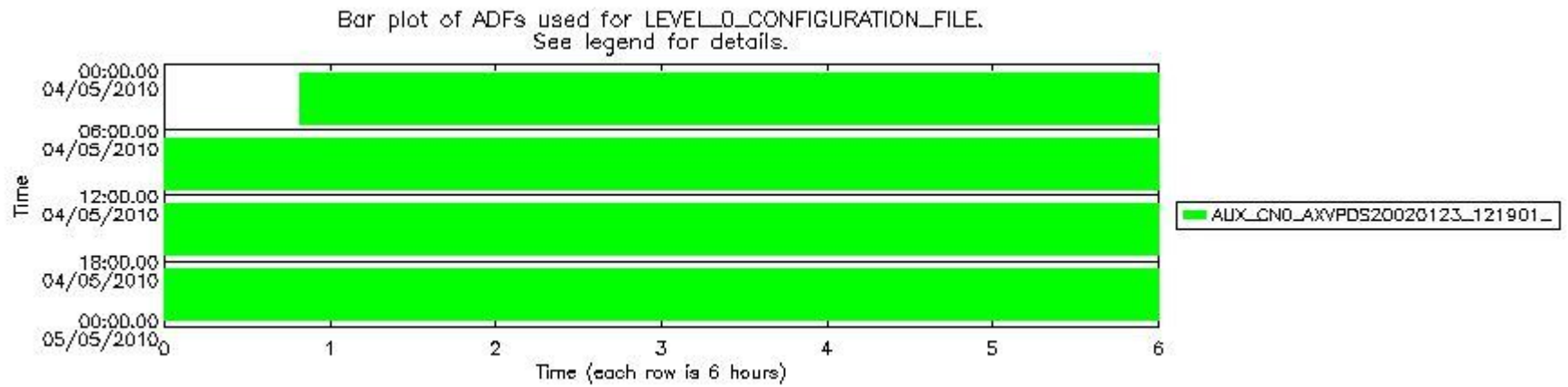
## 0.4 ADF monitoring

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

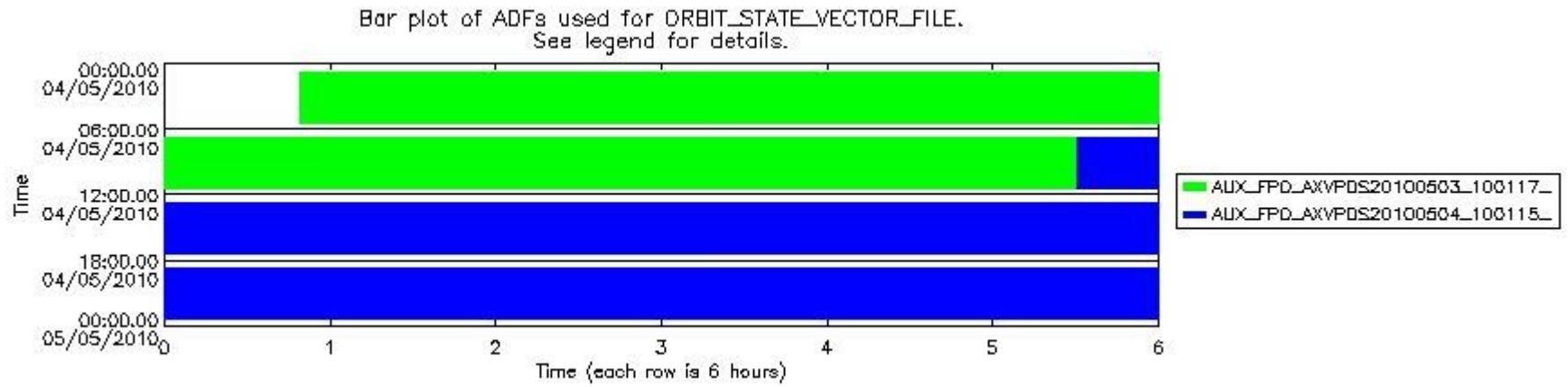
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

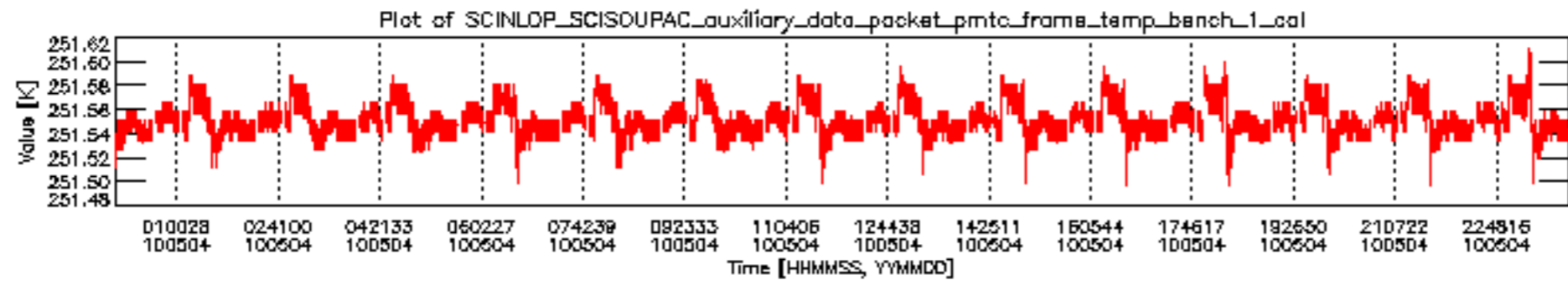
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20100503_100117_20100502_184937_20100512_201552</b>
2	<b>AUX_FPO_AXVPDS20100504_100115_20100503_195836_20100513_212450</b>



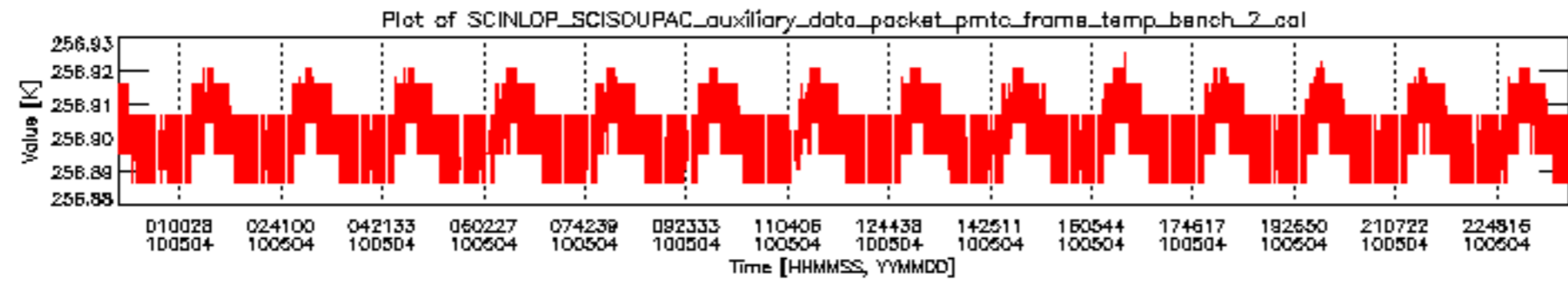
sciamachy\_daily\_report\_level0\_Any\_version\_20100504\_7.PNG

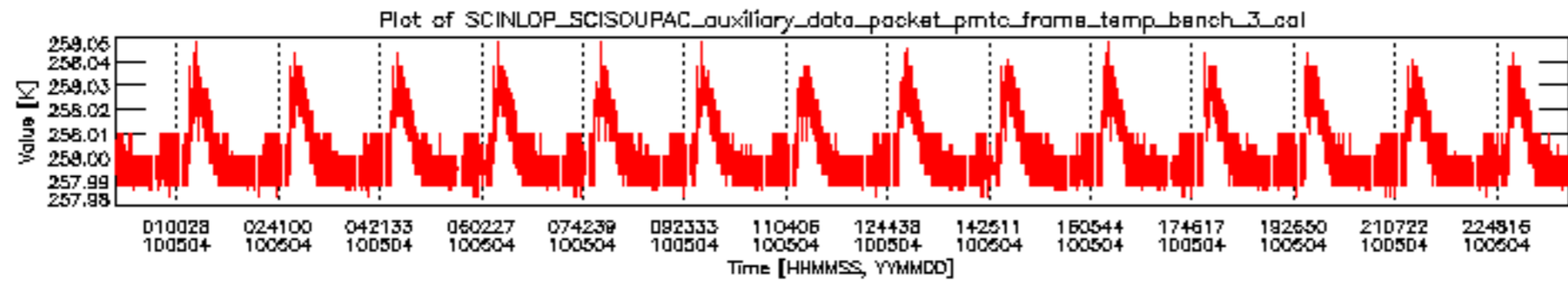


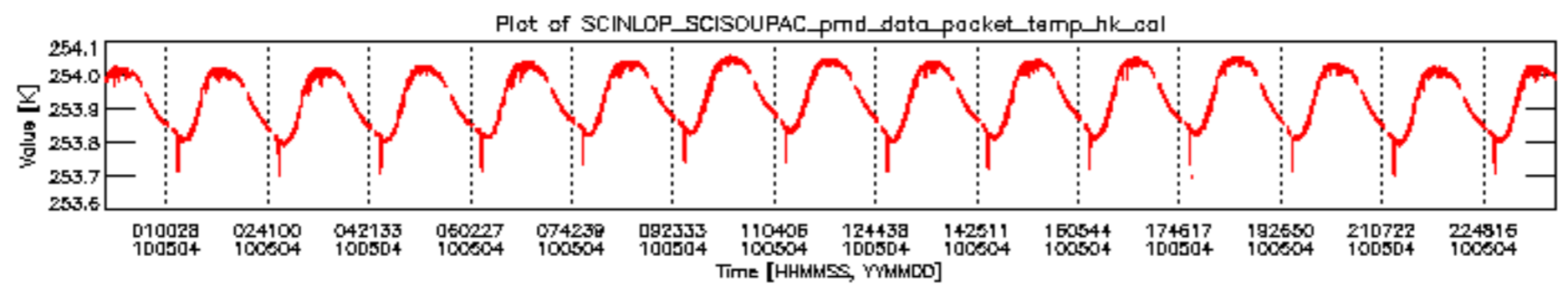
sciamachy\_daily\_report\_level0\_Any\_version\_20100504\_8.PNG

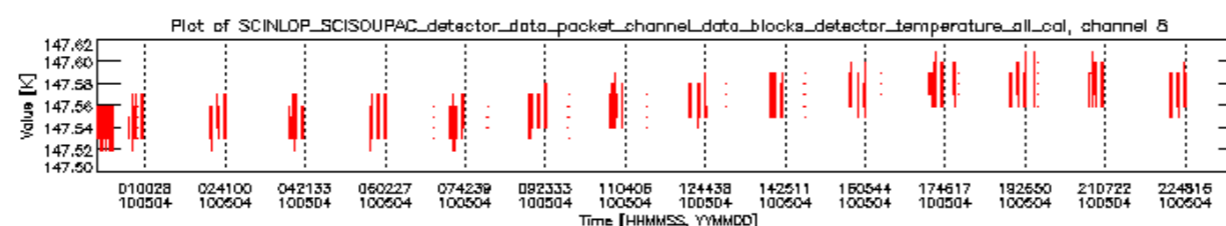
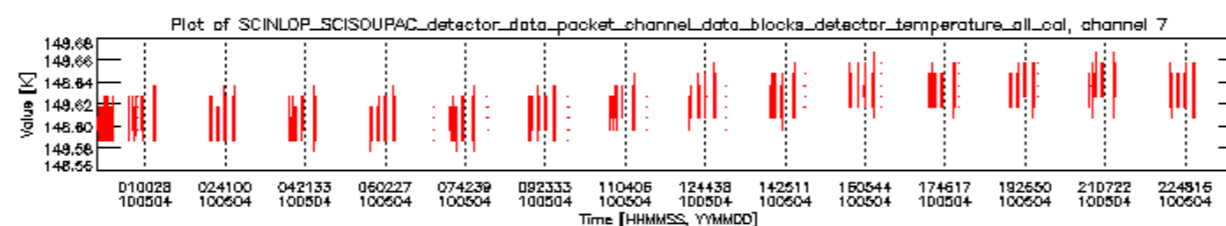
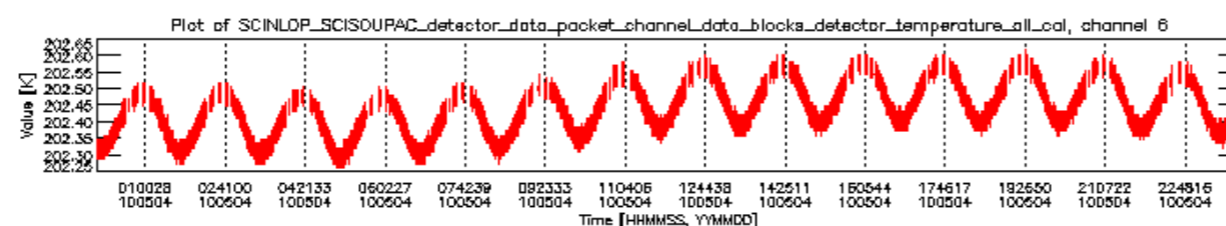
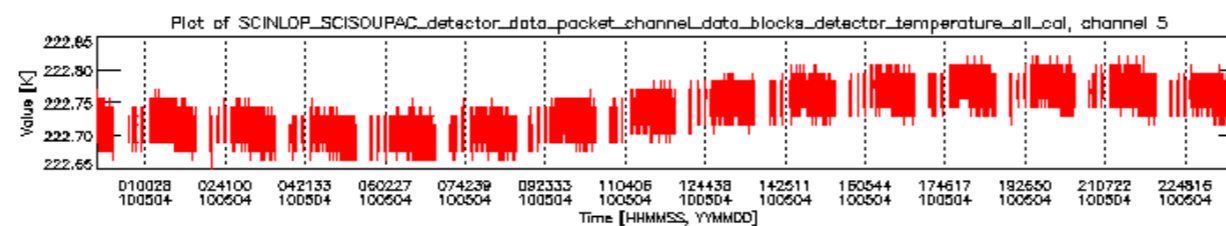
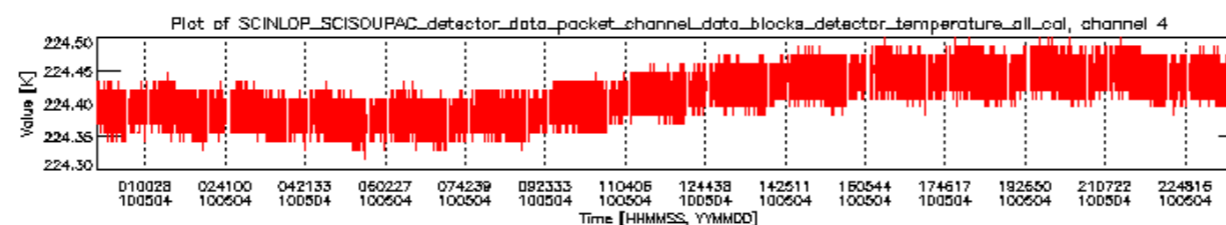
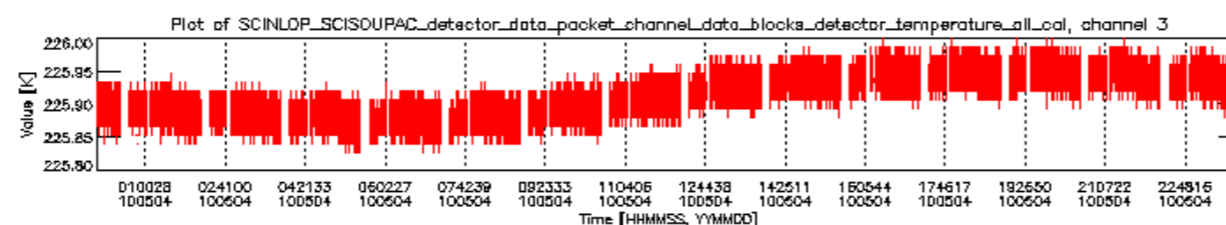
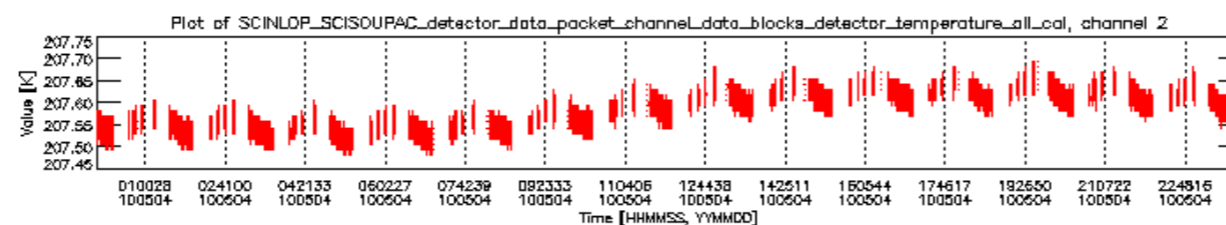
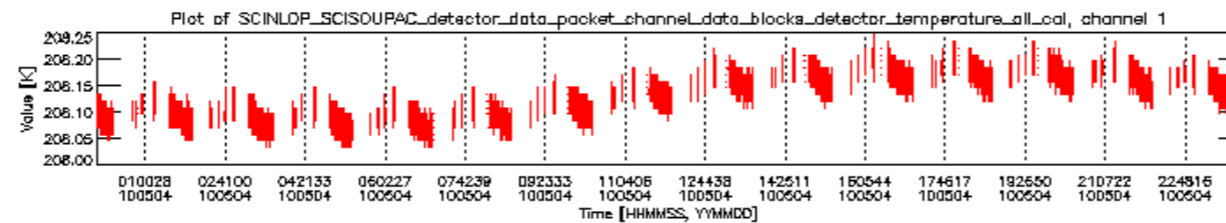




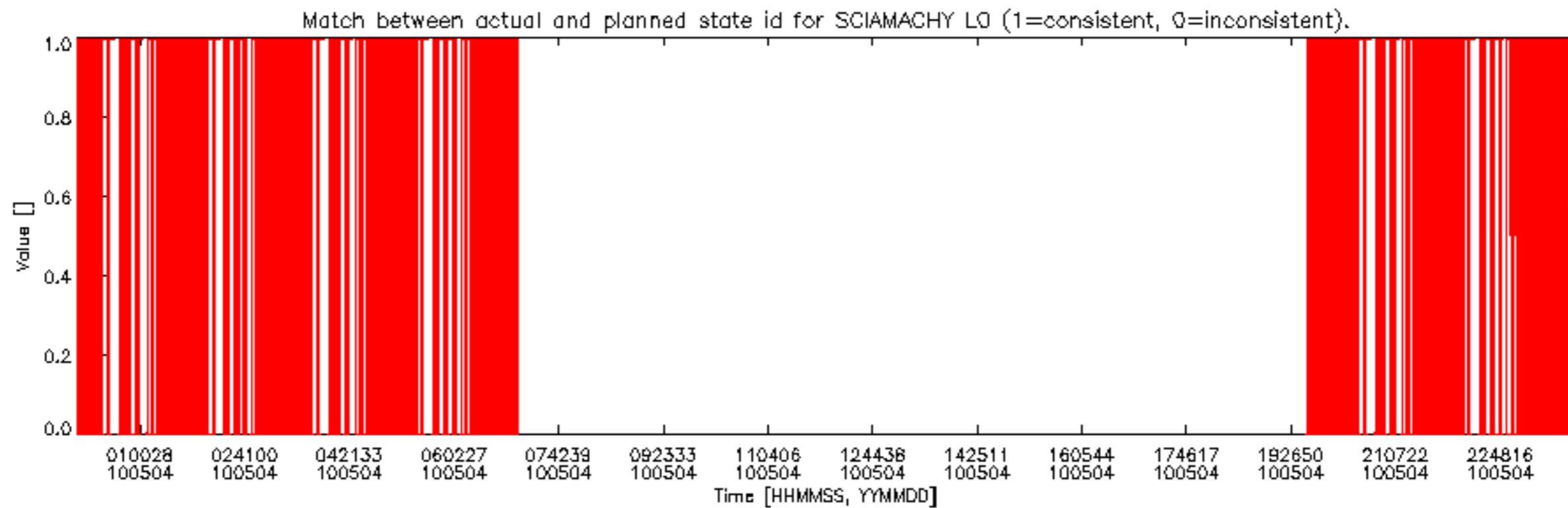
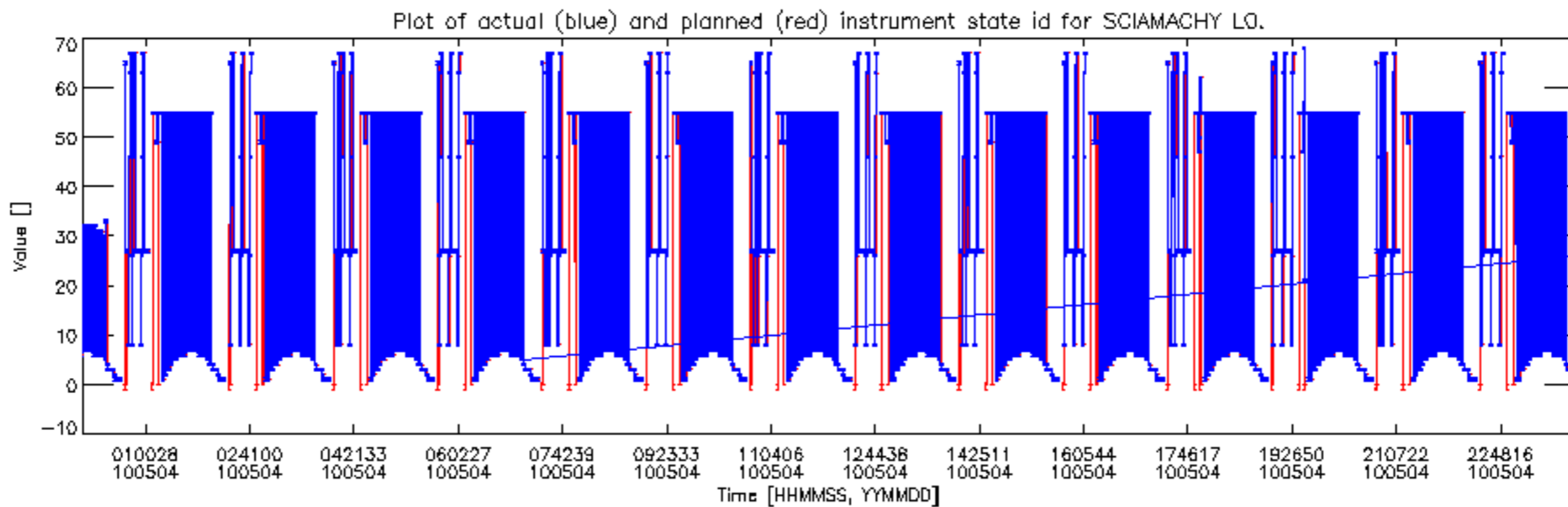












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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