

## 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	18APR2009 05:36:29
Data source version	KSPT_L0/4303-N
Processing scope for products	14APR2009 00:00:00 to 15APR2009 00:00:00
Start time of first product within scope	13APR2009 23:07:13
Stop time of last product within scope	15APR2009 00:18:12
Total number of level 0 products	16
Number of level 0 products with errors	0

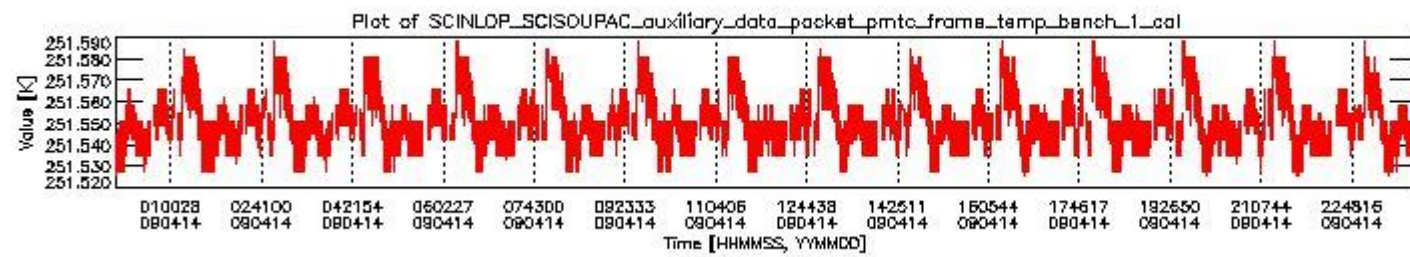
### 0.1.2 Summary per product

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

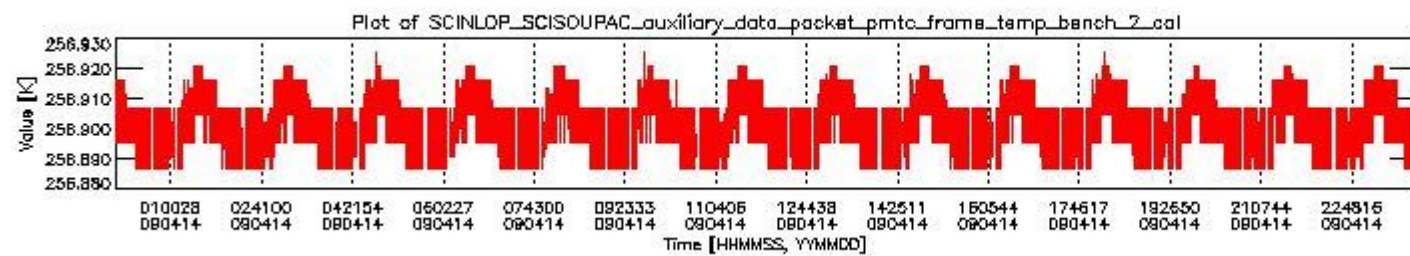
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090413_230713_000061632078_00101_37229_8943.N1	13APR2009 23:07:13	14APR2009 00:49:56	0	0	0	0	0
1	SCI_NL__OPNPDE20090414_004912_000057402078_00102_37230_8944.N1	14APR2009 00:49:12	14APR2009 02:24:51	0	0	0	0	0
2	SCI_NL__OPNPDE20090414_022323_000046822078_00103_37231_8945.N1	14APR2009 02:23:23	14APR2009 03:41:25	0	0	0	0	0
3	SCI_NL__OPNPDE20090414_034017_000061042078_00104_37232_8946.N1	14APR2009 03:40:17	14APR2009 05:22:01	0	0	0	0	0
4	SCI_NL__OPNPDE20090414_052201_000060922078_00105_37233_8947.N1	14APR2009 05:22:01	14APR2009 07:03:33	0	0	0	0	0
5	SCI_NL__OPNPDK20090414_070237_000040452078_00106_37234_1264.N1	14APR2009 07:02:37	14APR2009 08:10:01	0	0	0	0	0
6	SCI_NL__OPNPDK20090414_081001_000060912078_00107_37235_1265.N1	14APR2009 08:10:01	14APR2009 09:51:33	0	0	0	0	0
7	SCI_NL__OPNPDK20090414_095133_000059802078_00108_37236_1266.N1	14APR2009 09:51:33	14APR2009 11:31:12	0	0	0	0	0
8	SCI_NL__OPNPDK20090414_113112_000059672078_00109_37237_1267.N1	14APR2009 11:31:12	14APR2009 13:10:39	0	0	0	0	0
9	SCI_NL__OPNPDK20090414_131039_000059242078_00110_37238_1268.N1	14APR2009 13:10:39	14APR2009 14:49:23	0	0	0	0	0
10	SCI_NL__OPNPDK20090414_144815_000058432078_00111_37239_1269.N1	14APR2009 14:48:15	14APR2009 16:25:37	0	0	0	0	0
11	SCI_NL__OPNPDK20090414_162333_000059432078_00112_37240_1270.N1	14APR2009 16:23:33	14APR2009 18:02:36	0	0	0	0	0
12	SCI_NL__OPNPDK20090414_180140_000061472078_00113_37241_1271.N1	14APR2009 18:01:40	14APR2009 19:44:07	0	0	0	0	0
13	SCI_NL__OPNPDE20090414_194311_000040022078_00114_37242_8948.N1	14APR2009 19:43:11	14APR2009 20:49:53	0	0	0	0	0
14	SCI_NL__OPNPDE20090414_204953_000064192078_00114_37242_8949.N1	14APR2009 20:49:53	14APR2009 22:36:52	0	0	0	0	0
15	SCI_NL__OPNPDE20090414_223529_000061632078_00115_37243_8950.N1	14APR2009 22:35:29	15APR2009 00:18:12	0	0	0	0	0

## 0.2 Product Quality Indicators

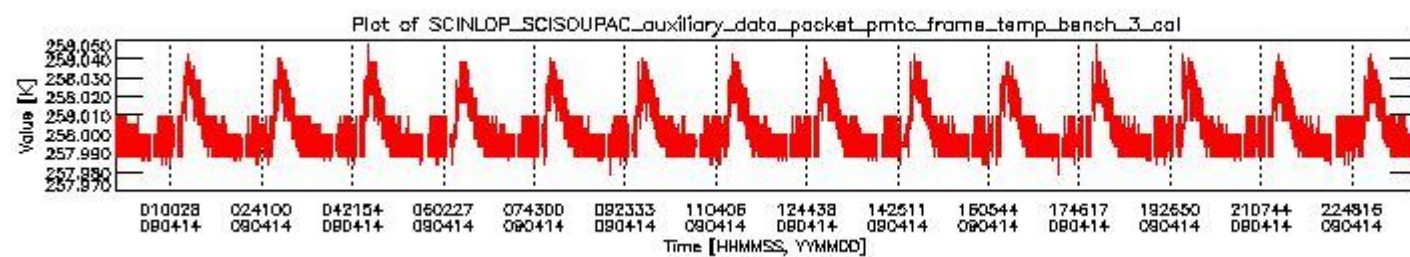
This section shows information about product quality, currently temperatures.



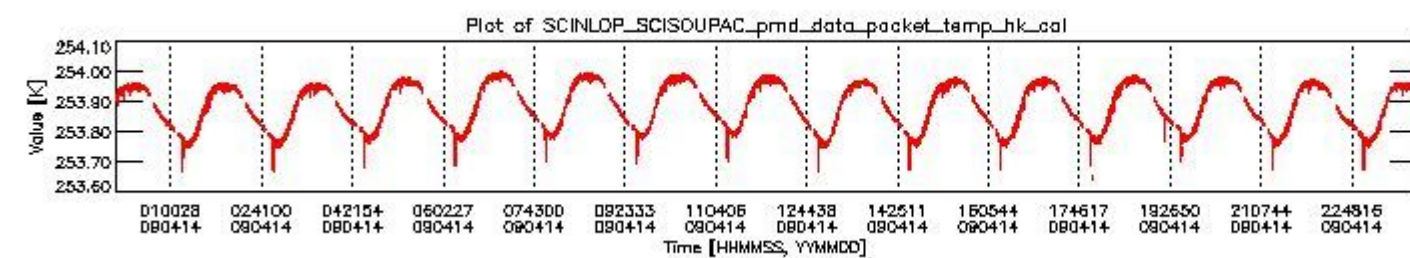
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090414\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090414\_1.PNG

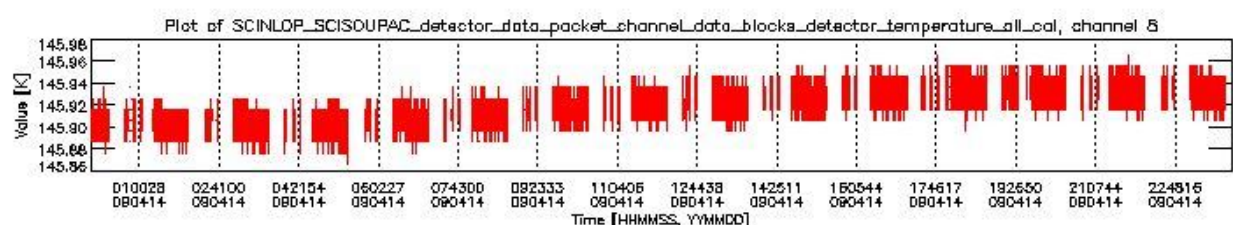
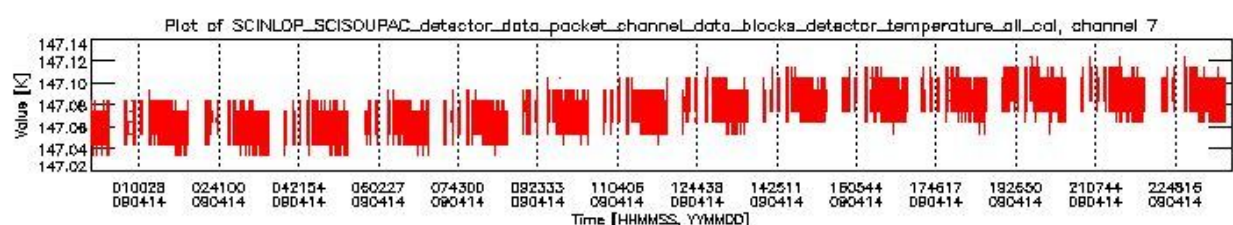
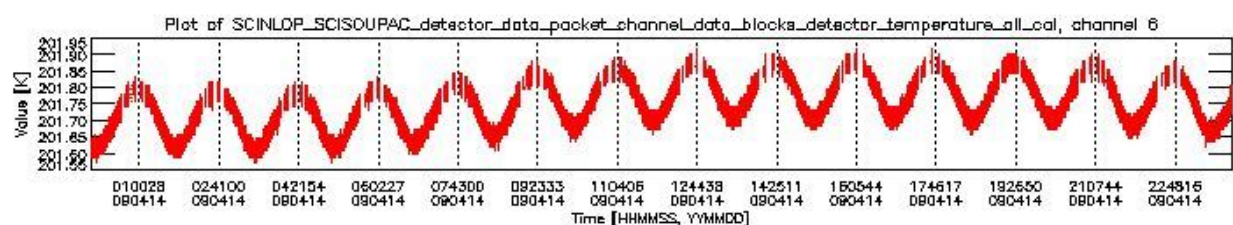
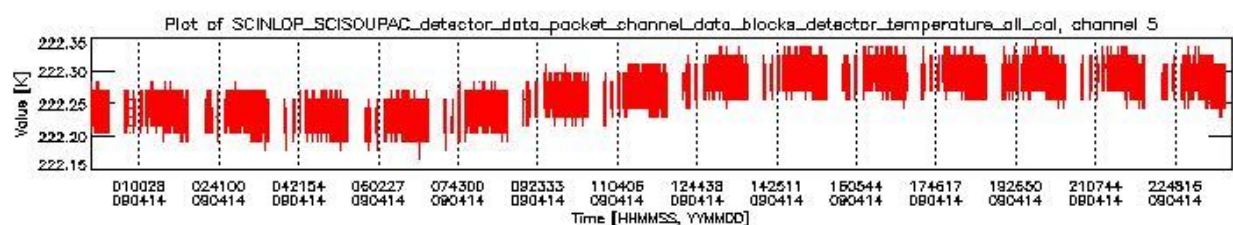
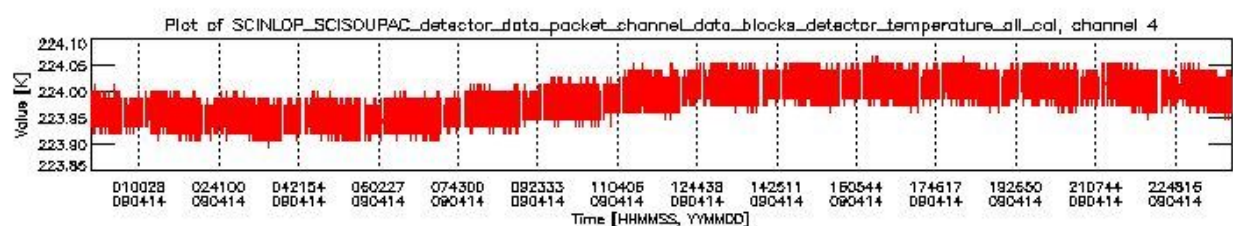
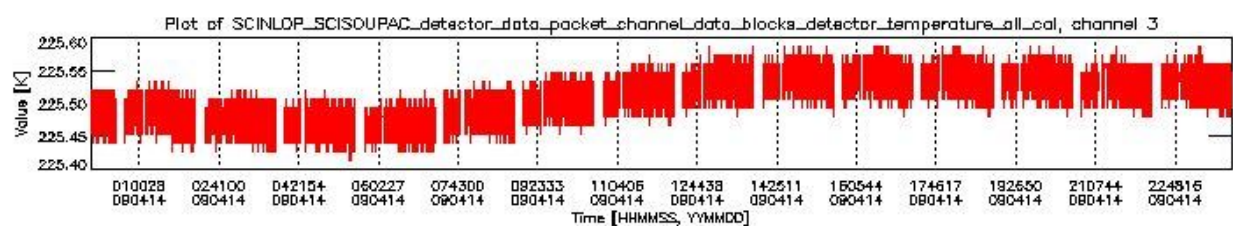
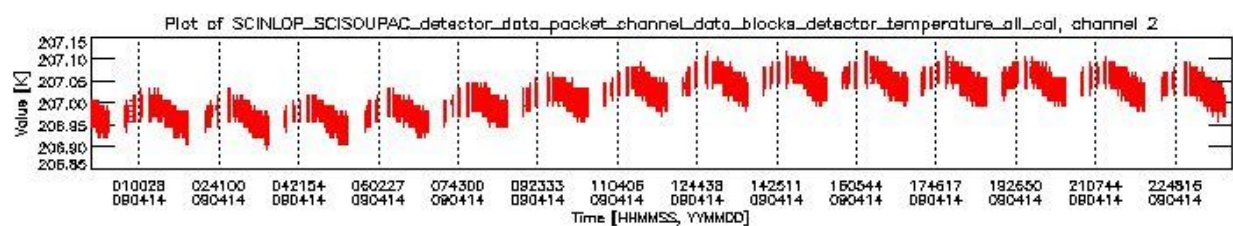
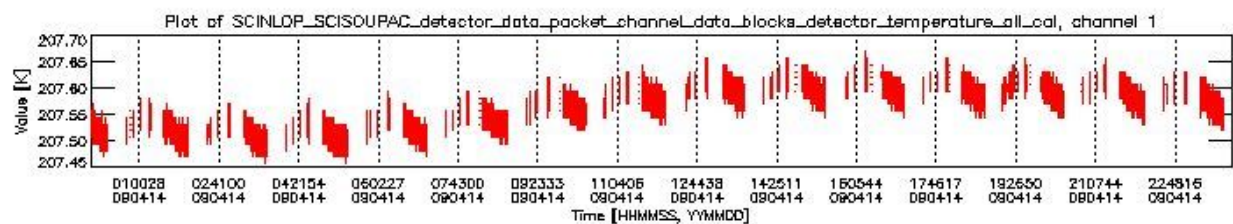


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090414\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090414\_3.PNG



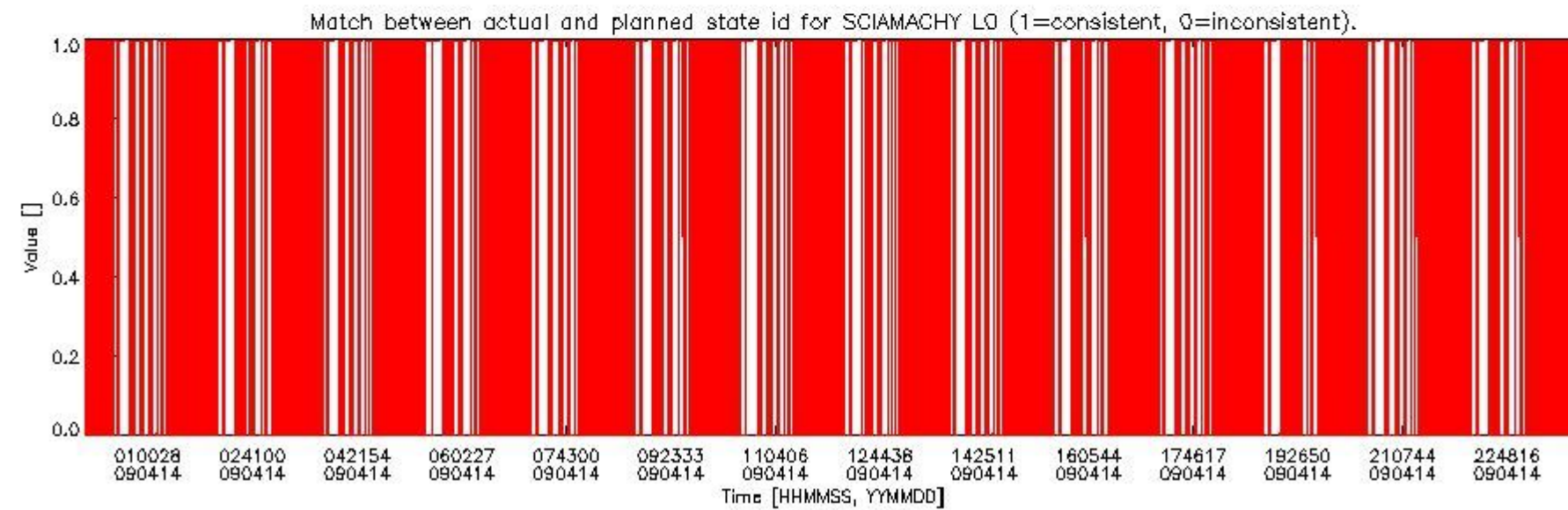
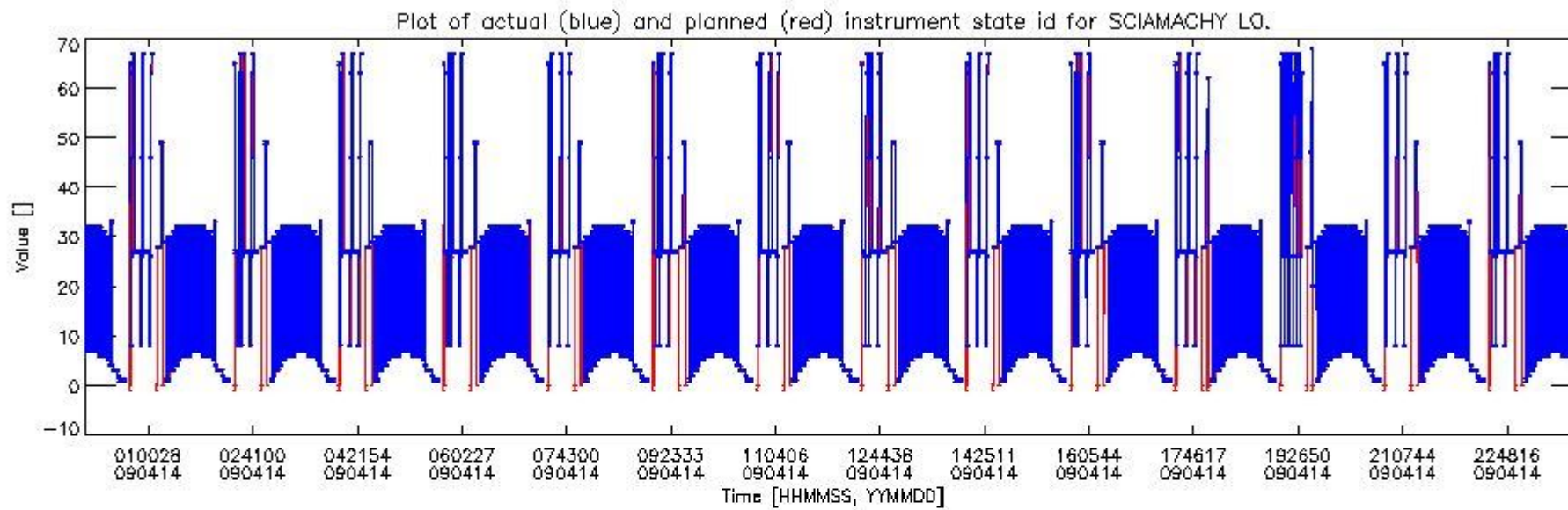


### 0.3 State monitoring

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: **55103**

#	Actual time	Actual value	Planned time	Planned value
0	14APR2009 00:00:26.593499	7	14APR2009 00:00:26.593499	32
1	14APR2009 00:00:26.968512	7	14APR2009 00:00:26.968512	32
2	14APR2009 00:00:27.218480	7	14APR2009 00:00:27.218480	32
3	14APR2009 00:00:27.468489	7	14APR2009 00:00:27.468489	32
4	14APR2009 00:00:27.718498	7	14APR2009 00:00:27.718498	32
5	14APR2009 00:00:27.968507	7	14APR2009 00:00:27.968507	32
6	14APR2009 00:00:28.218475	7	14APR2009 00:00:28.218475	32
7	14APR2009 00:00:28.468484	7	14APR2009 00:00:28.468484	32
8	14APR2009 00:00:28.718492	7	14APR2009 00:00:28.718492	32
9	14APR2009 00:00:28.968501	7	14APR2009 00:00:28.968501	32
10	14APR2009 00:00:29.218510	7	14APR2009 00:00:29.218510	32
11	14APR2009 00:00:29.468478	7	14APR2009 00:00:29.468478	32
12	14APR2009 00:00:29.718487	7	14APR2009 00:00:29.718487	32
13	14APR2009 00:00:29.968496	7	14APR2009 00:00:29.968496	32
14	14APR2009 00:00:30.218504	7	14APR2009 00:00:30.218504	32
15	14APR2009 00:00:30.468513	7	14APR2009 00:00:30.468513	32
16	14APR2009 00:00:30.718482	7	14APR2009 00:00:30.718482	32
17	14APR2009 00:00:30.968490	7	14APR2009 00:00:30.968490	32
18	14APR2009 00:00:31.218499	7	14APR2009 00:00:31.218499	32
19	14APR2009 00:00:31.468508	7	14APR2009 00:00:31.468508	32
...	...	...	...	...



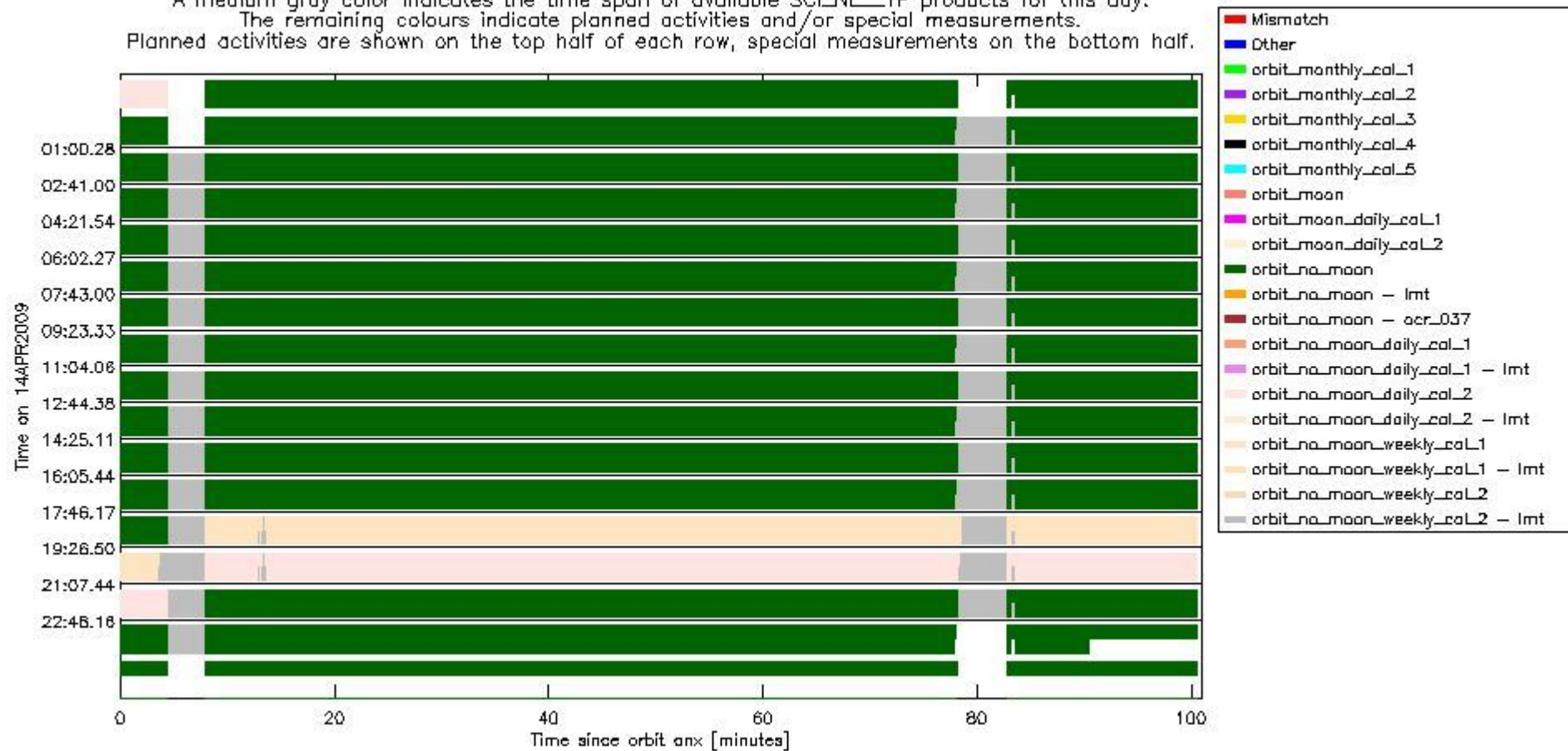
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090414\_5.PNG

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 14APR2009.  
 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\_20090414\_6.PNG

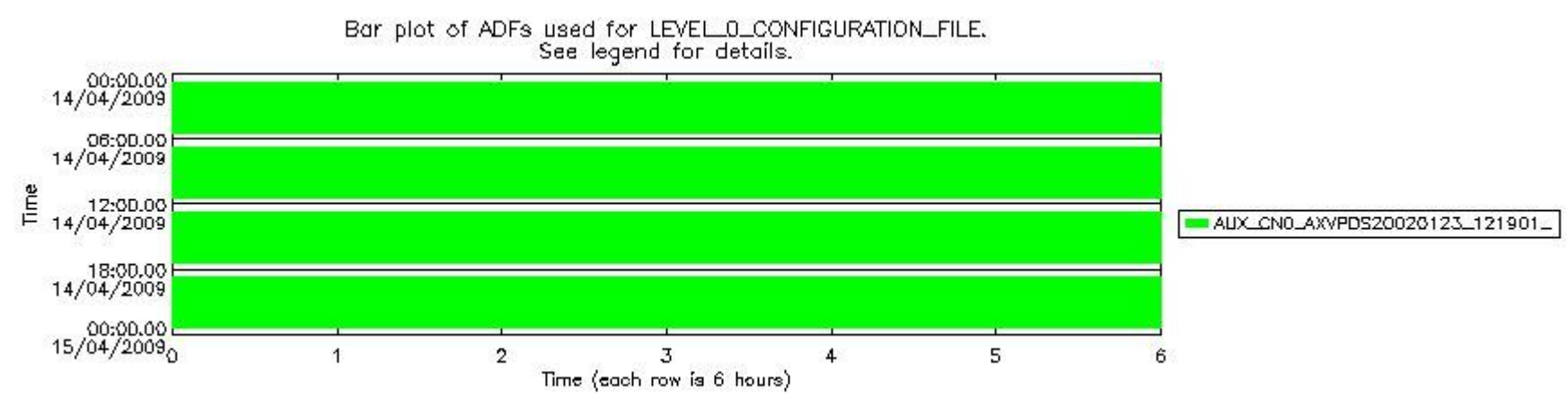
## 0.4 ADF monitoring

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

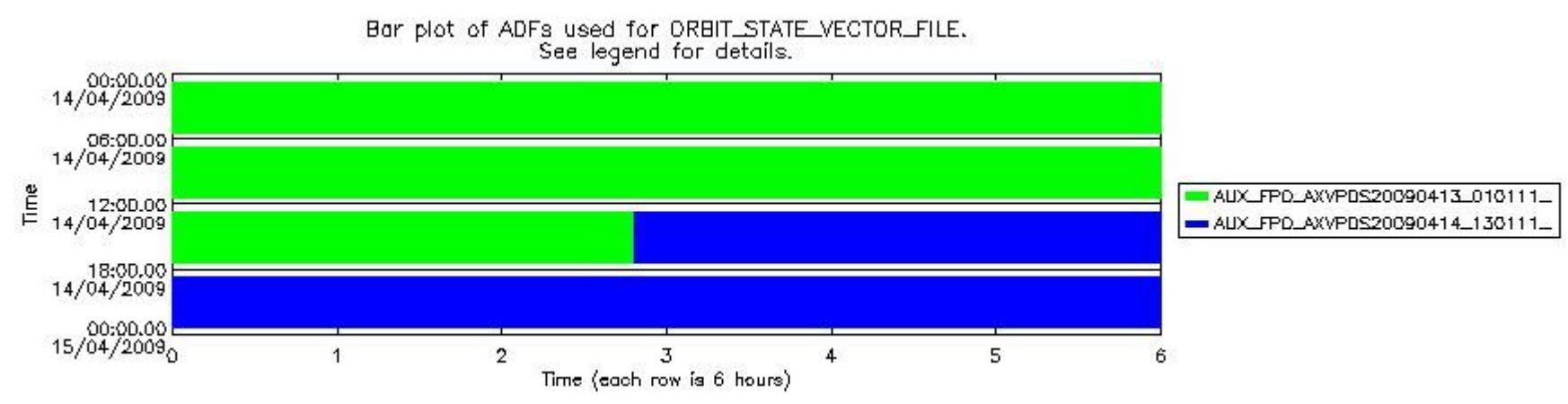
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

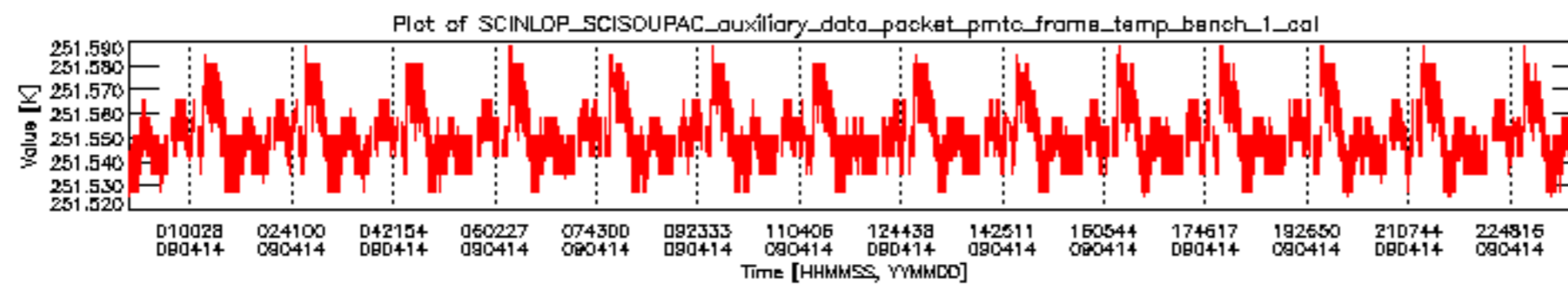
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090413_010111_20090412_184943_20090422_201557
2	AUX_FPO_AXVPDS20090414_130111_20090413_195842_20090423_212456



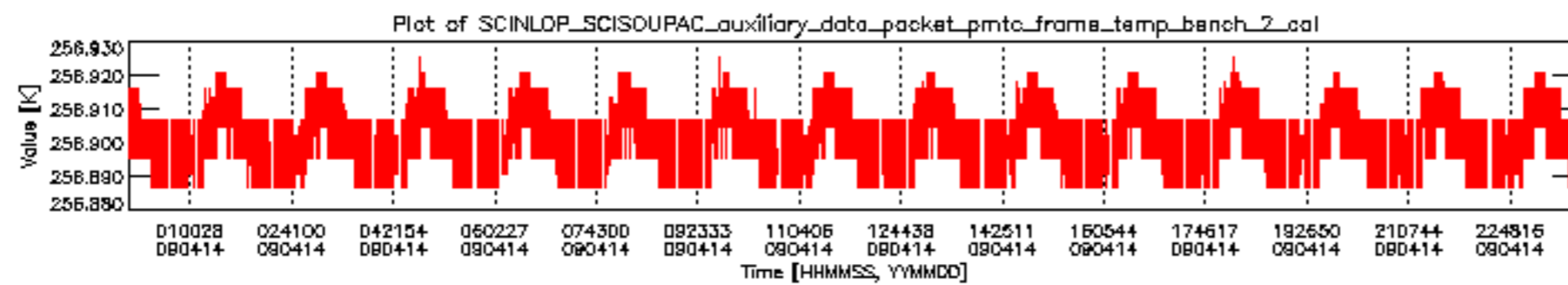
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090414\_7.PNG

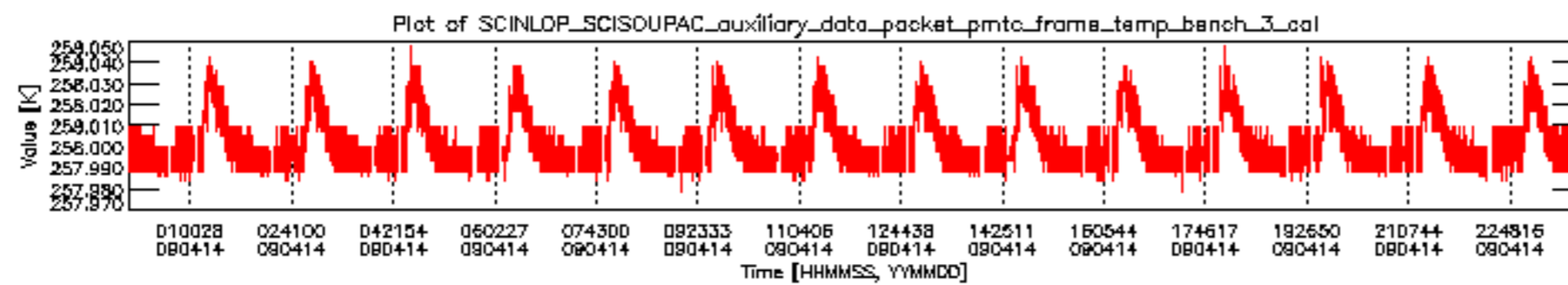


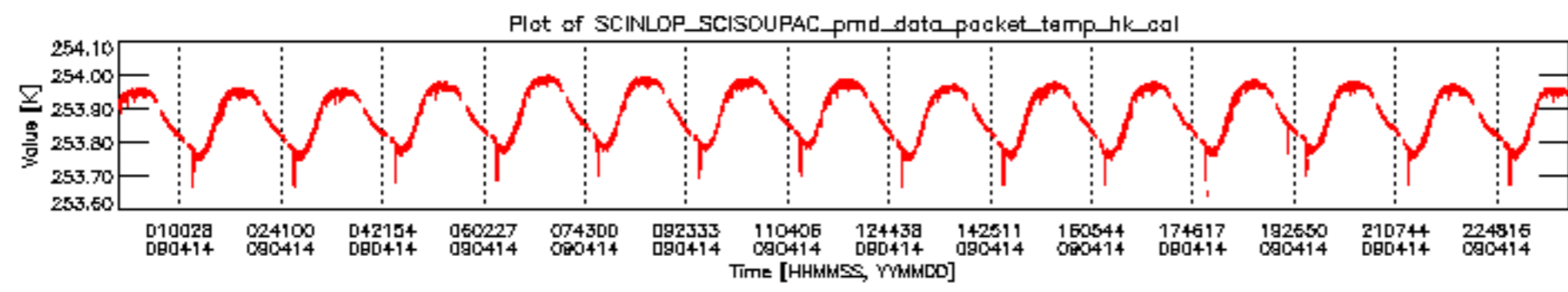
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090414\_8.PNG

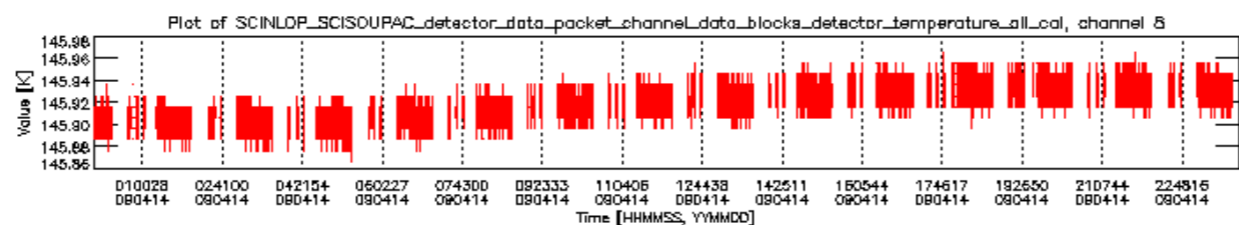
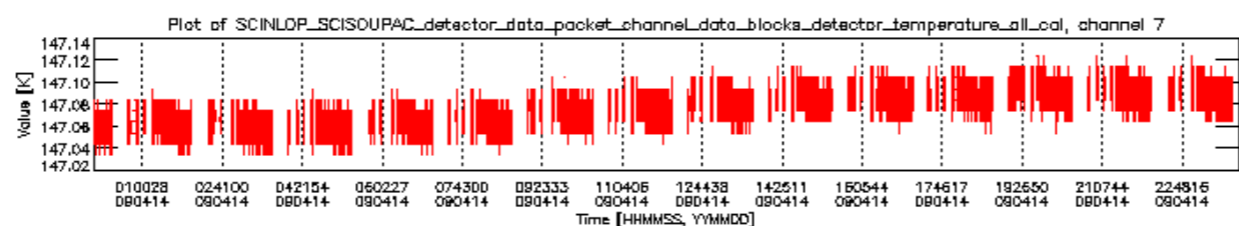
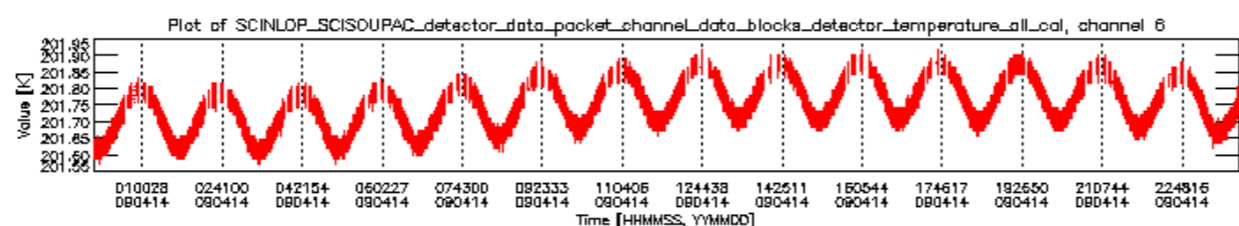
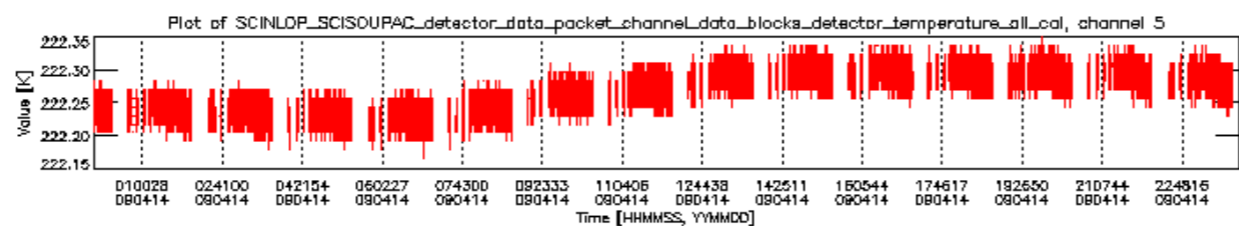
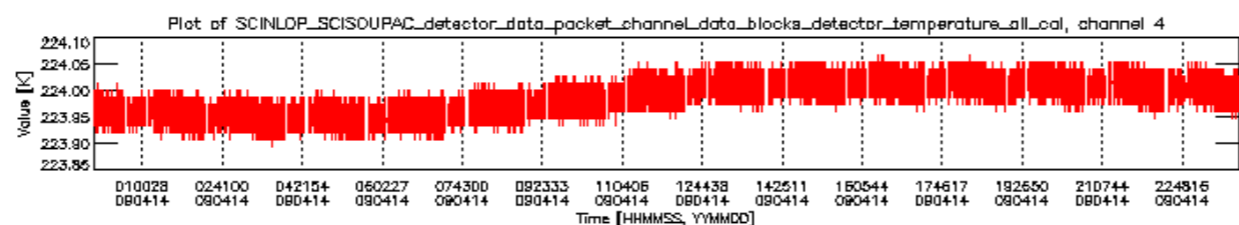
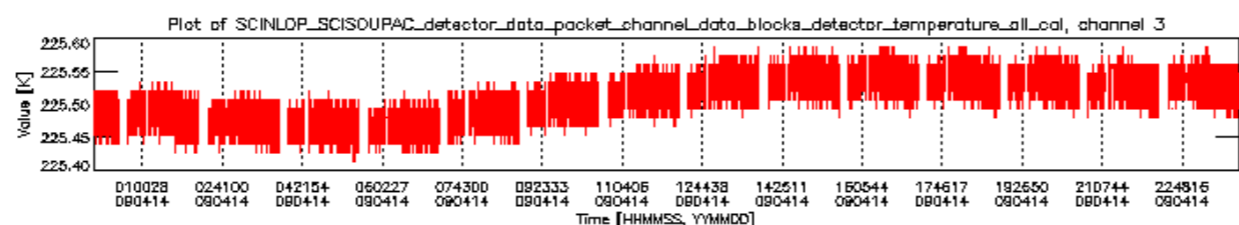
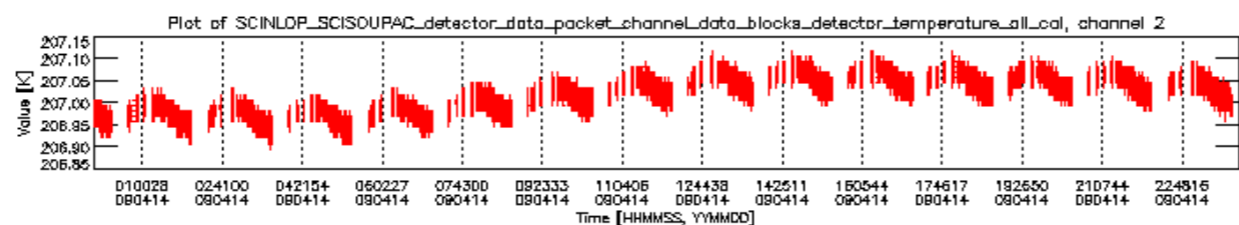
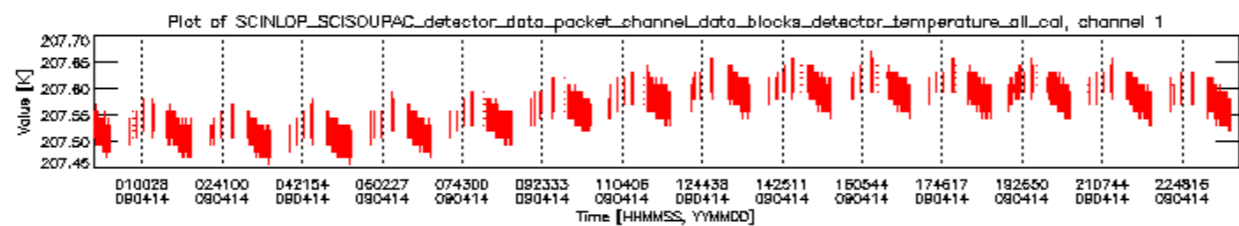




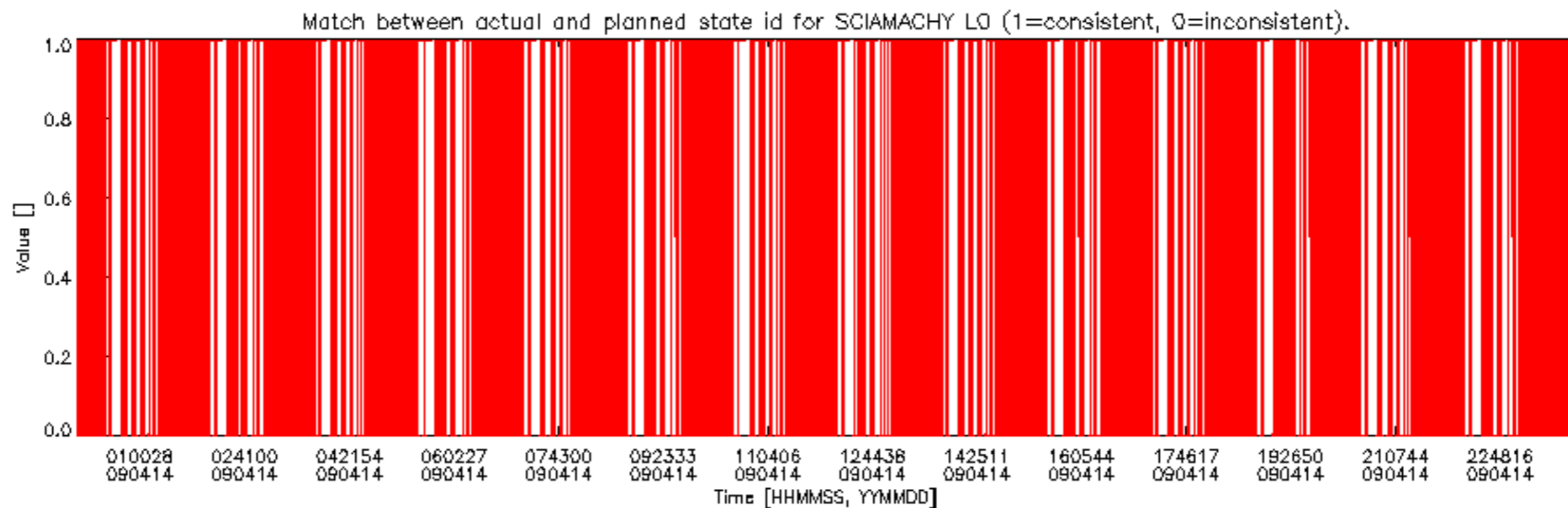
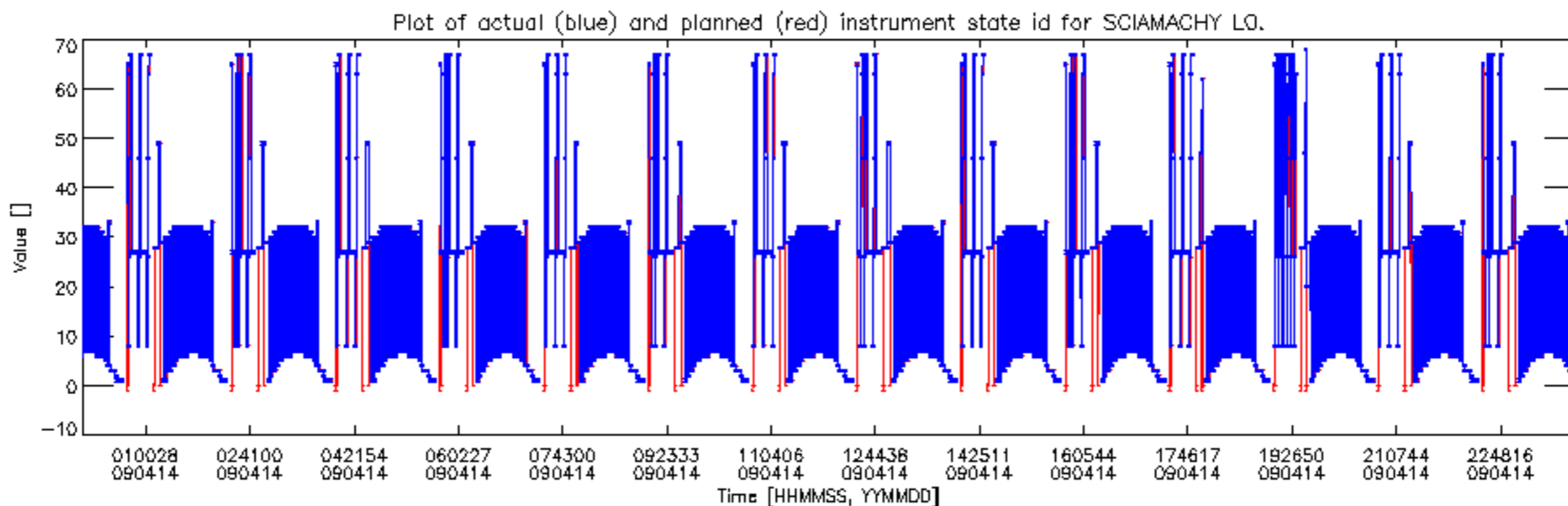












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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