

## 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	07MAY2009 05:18:27
Data source version	KSPT_L0/4303-N
Processing scope for products	03MAY2009 00:00:00 to 04MAY2009 00:00:00
Start time of first product within scope	02MAY2009 23:10:59
Stop time of last product within scope	04MAY2009 00:19:49
Total number of level 0 products	16
Number of level 0 products with errors	3

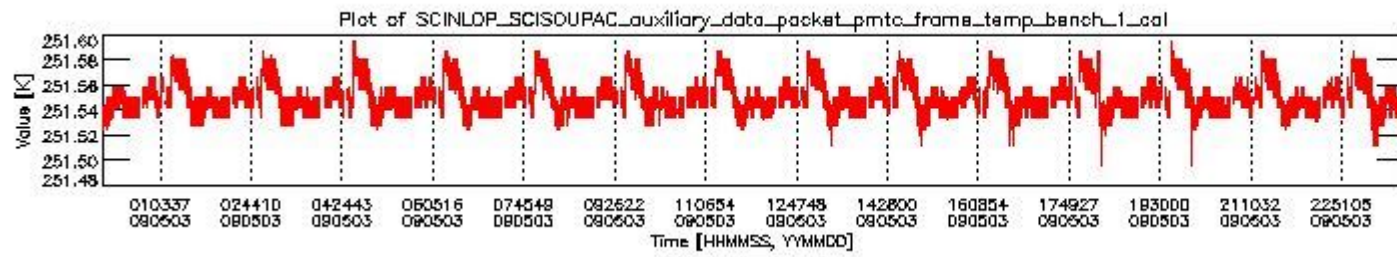
### 0.1.2 Summary per product

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

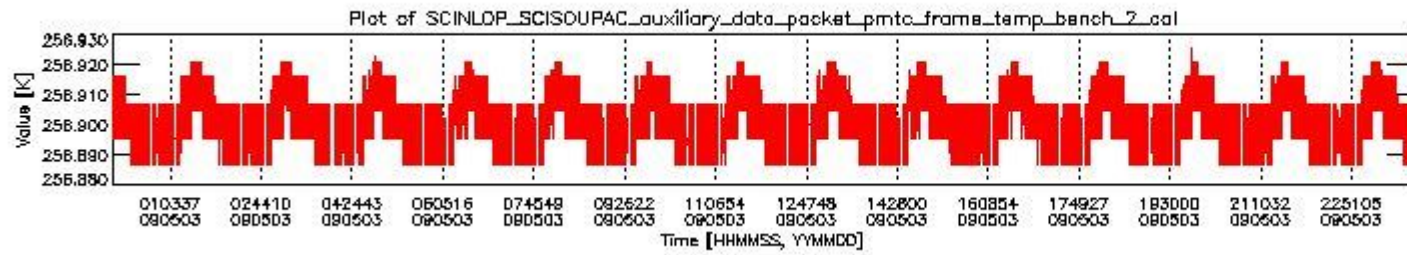
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090502_231059_000061212078_00373_37501_9065.N1	02MAY2009 23:10:59	03MAY2009 00:53:00	0	0	0	0	0
1	SCI_NL__OPNPDE20090503_005132_000046922078_00374_37502_9066.N1	03MAY2009 00:51:32	03MAY2009 02:09:44	0	0	0	0	0
2	SCI_NL__OPNPDE20090503_020835_000057052078_00375_37503_9067.N1	03MAY2009 02:08:35	03MAY2009 03:43:41	0	0	0	0	0
3	SCI_NL__OPNPDE20090503_034341_000061602078_00376_37504_9068.N1	03MAY2009 03:43:41	03MAY2009 05:26:21	0	0	0	0	0
4	SCI_NL__OPNPDE20090503_052525_000060362078_00377_37505_9069.N1	03MAY2009 05:25:25	03MAY2009 07:06:01	0	0	0	0	0
5	SCI_NL__OPNPDK20090503_070452_000041132078_00378_37506_1429.N1	03MAY2009 07:04:52	03MAY2009 08:13:26	0	0	0	0	0
6	SCI_NL__OPNPDK20090503_081326_000060912078_00379_37507_1430.N1	03MAY2009 08:13:26	03MAY2009 09:54:57	0	0	0	0	0
7	SCI_NL__OPNPDK20090503_095457_000059802078_00380_37508_1431.N1	03MAY2009 09:54:57	03MAY2009 11:34:37	0	0	0	0	0
8	SCI_NL__OPNPDK20090503_113328_000059802078_00381_37509_1432.N1	03MAY2009 11:33:28	03MAY2009 13:13:08	1	1	0	0	0
9	SCI_NL__OPNPDK20090503_131308_000059112078_00382_37510_1433.N1	03MAY2009 13:13:08	03MAY2009 14:51:39	0	0	0	0	0
10	SCI_NL__OPNPDK20090503_145139_000057182078_00383_37511_1434.N1	03MAY2009 14:51:39	03MAY2009 16:26:57	1	1	0	0	0
11	SCI_NL__OPNPDK20090503_162601_000060522078_00384_37512_1435.N1	03MAY2009 16:26:01	03MAY2009 18:06:54	1	1	1	0	0
12	SCI_NL__OPNPDK20090503_180545_000060362078_00385_37513_1436.N1	03MAY2009 18:05:45	03MAY2009 19:46:21	0	0	0	0	0
13	SCI_NL__OPNPDE20090503_194525_000040902078_00386_37514_9070.N1	03MAY2009 19:45:25	03MAY2009 20:53:35	0	0	0	0	0
14	SCI_NL__OPNPDE20090503_205301_000063752078_00386_37514_9071.N1	03MAY2009 20:53:01	03MAY2009 22:39:16	0	0	0	0	0
15	SCI_NL__OPNPDE20090503_223829_000060802078_00387_37515_9072.N1	03MAY2009 22:38:29	04MAY2009 00:19:49	0	0	0	0	0

## 0.2 Product Quality Indicators

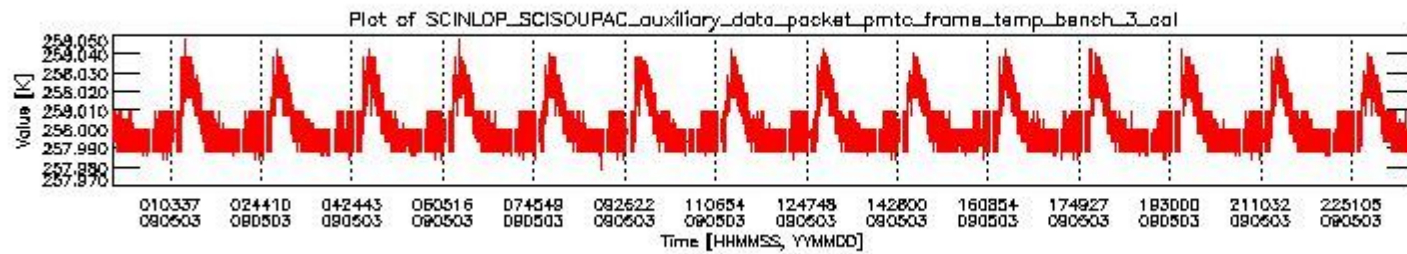
This section shows information about product quality, currently temperatures.



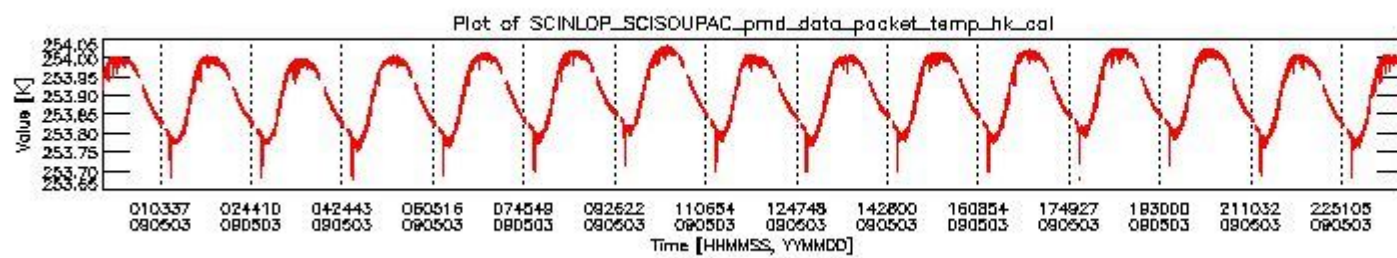
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090503\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090503\_1.PNG

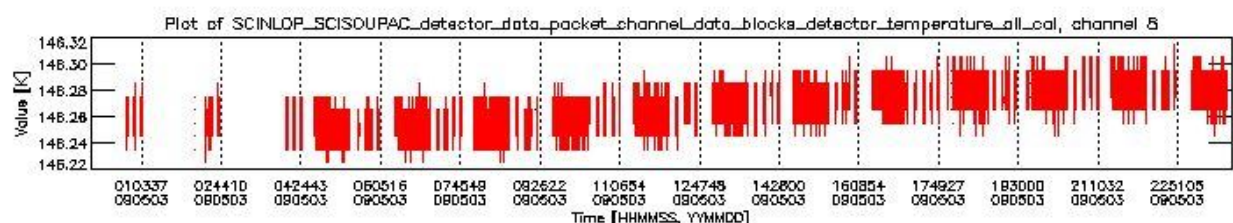
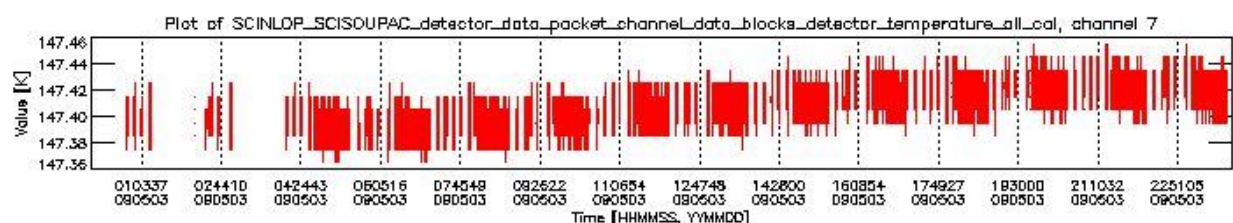
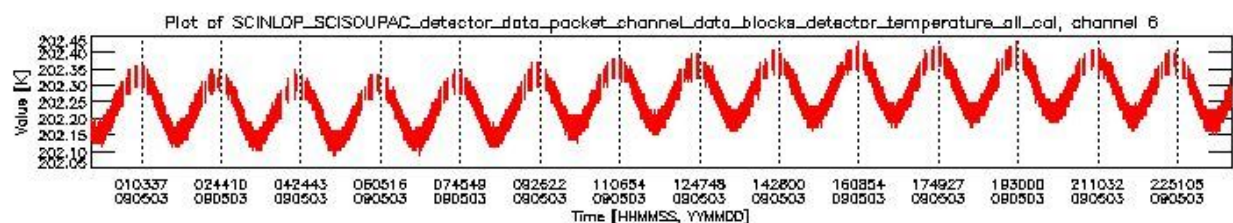
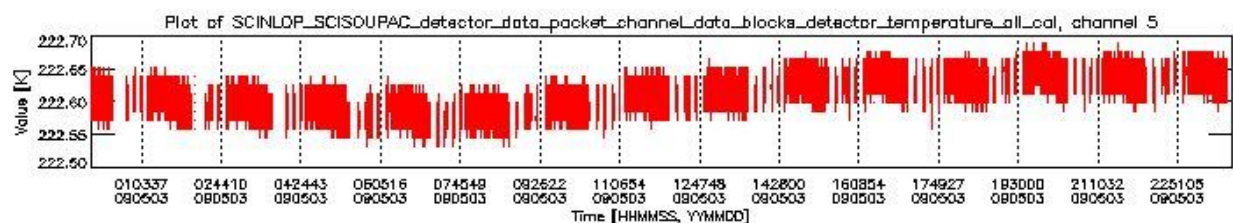
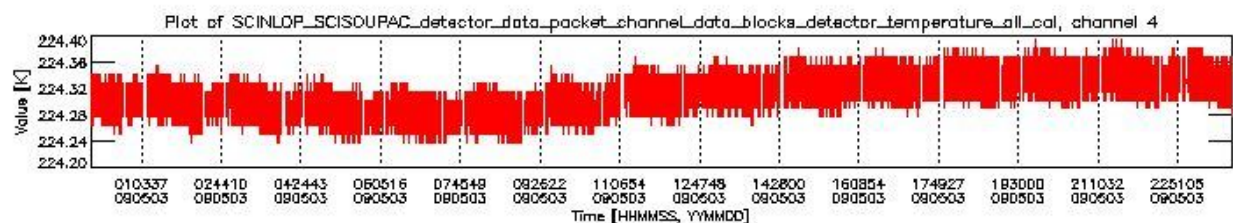
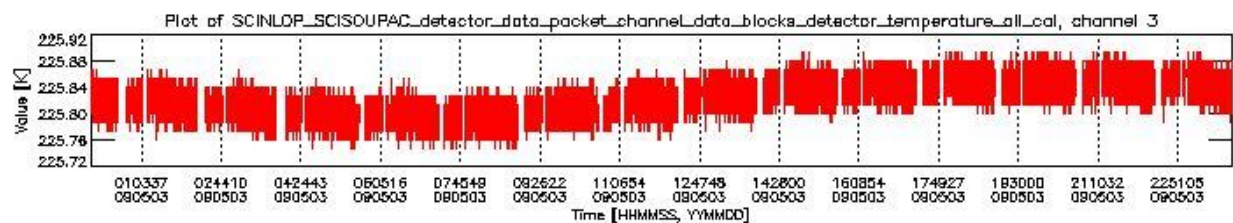
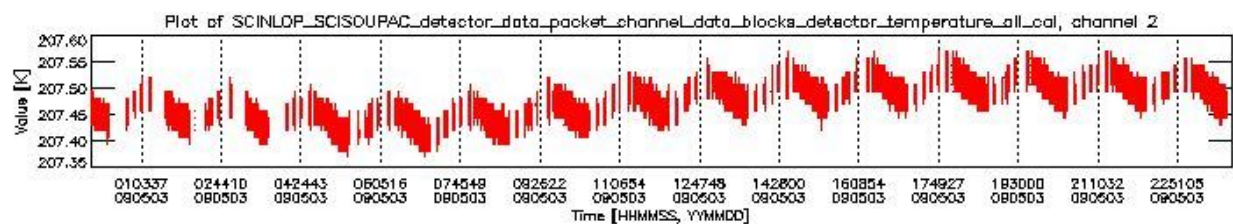
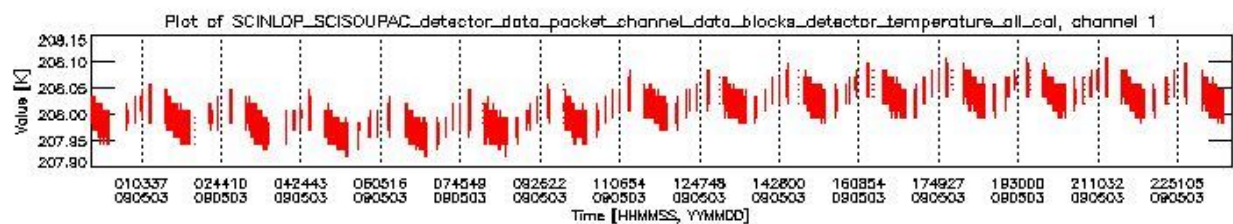


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090503\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090503\_3.PNG



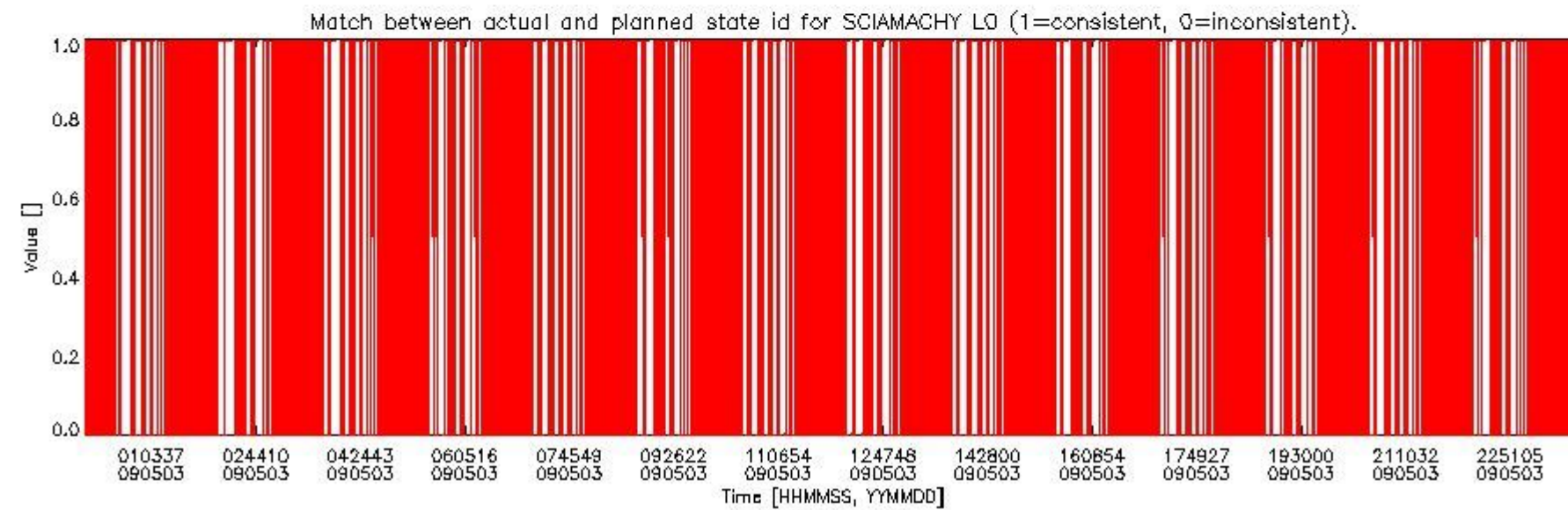
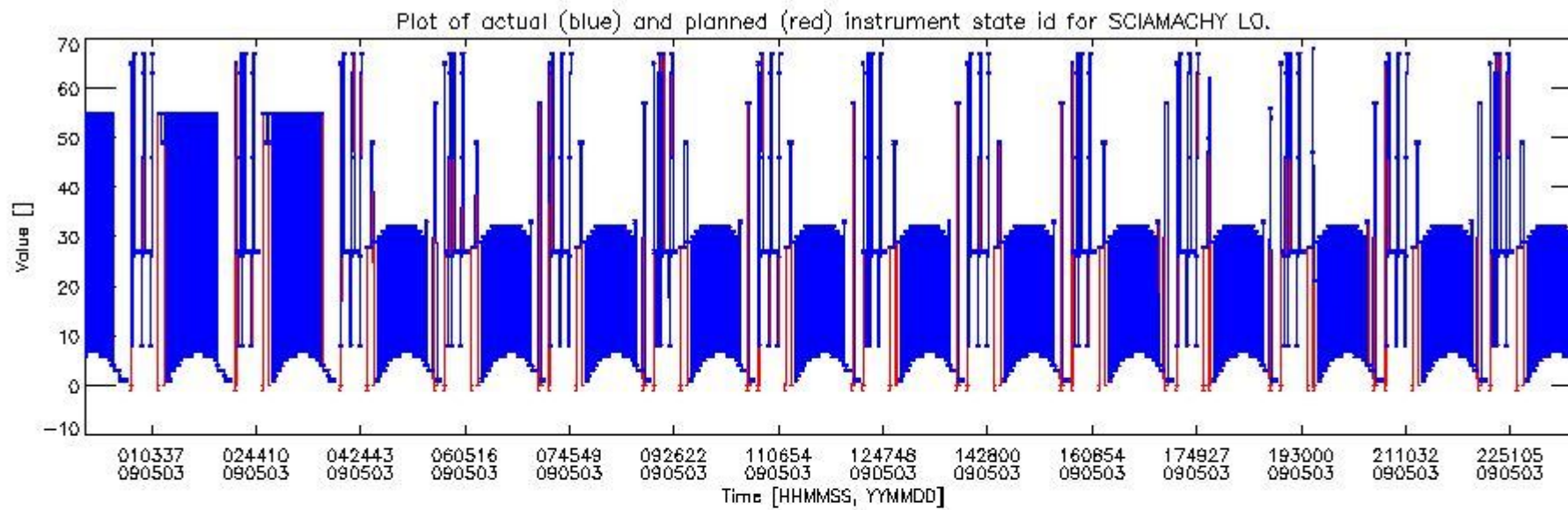


### 0.3 State monitoring

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: **47805**

#	Actual time	Actual value	Planned time	Planned value
0	03MAY2009 00:00:50.061688	55	03MAY2009 00:00:50.061688	6
1	03MAY2009 00:00:50.686710	55	03MAY2009 00:00:50.686710	6
2	03MAY2009 00:00:51.061682	55	03MAY2009 00:00:51.061682	6
3	03MAY2009 00:00:51.436695	55	03MAY2009 00:00:51.436695	6
4	03MAY2009 00:00:51.999195	55	03MAY2009 00:00:51.999195	6
5	03MAY2009 00:00:52.374208	55	03MAY2009 00:00:52.374208	6
6	03MAY2009 00:00:52.749181	55	03MAY2009 00:00:52.749181	6
7	03MAY2009 00:00:53.124194	55	03MAY2009 00:00:53.124194	6
8	03MAY2009 00:00:53.686693	55	03MAY2009 00:00:53.686693	6
9	03MAY2009 00:00:54.061706	55	03MAY2009 00:00:54.061706	6
10	03MAY2009 00:00:54.436679	55	03MAY2009 00:00:54.436679	6
11	03MAY2009 00:00:54.811692	55	03MAY2009 00:00:54.811692	6
12	03MAY2009 00:00:55.061701	55	03MAY2009 00:00:55.061701	6
13	03MAY2009 00:00:55.374192	55	03MAY2009 00:00:55.374192	6
14	03MAY2009 00:00:55.749205	55	03MAY2009 00:00:55.749205	6
15	03MAY2009 00:00:56.124178	55	03MAY2009 00:00:56.124178	6
16	03MAY2009 00:00:56.499191	55	03MAY2009 00:00:56.499191	6
17	03MAY2009 00:00:57.061690	55	03MAY2009 00:00:57.061690	6
18	03MAY2009 00:00:57.436703	55	03MAY2009 00:00:57.436703	6
19	03MAY2009 00:00:57.811676	55	03MAY2009 00:00:57.811676	6
...	...	...	...	...



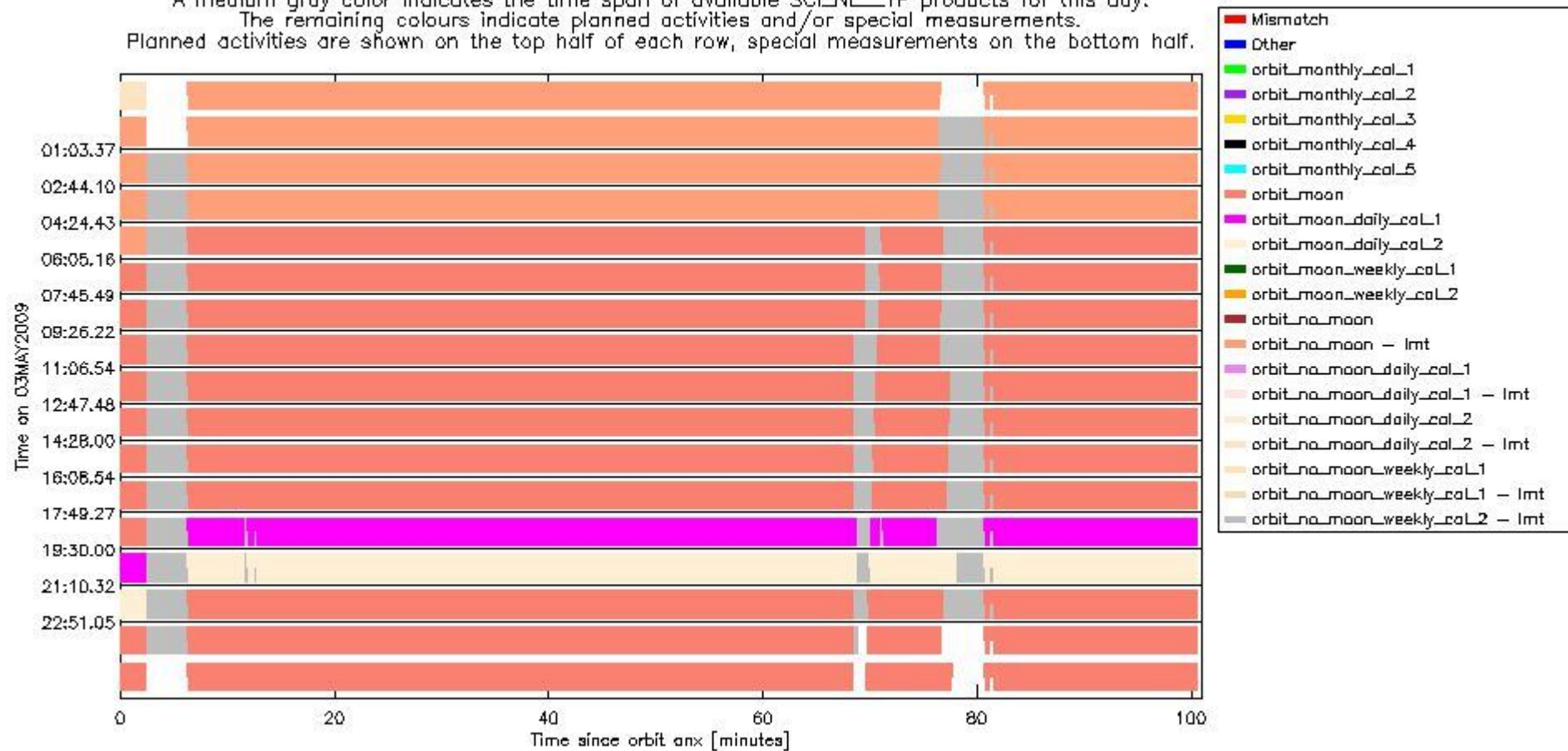
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090503\_5.PNG

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 Q3MAY2009.  
 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\_20090503\_6.PNG

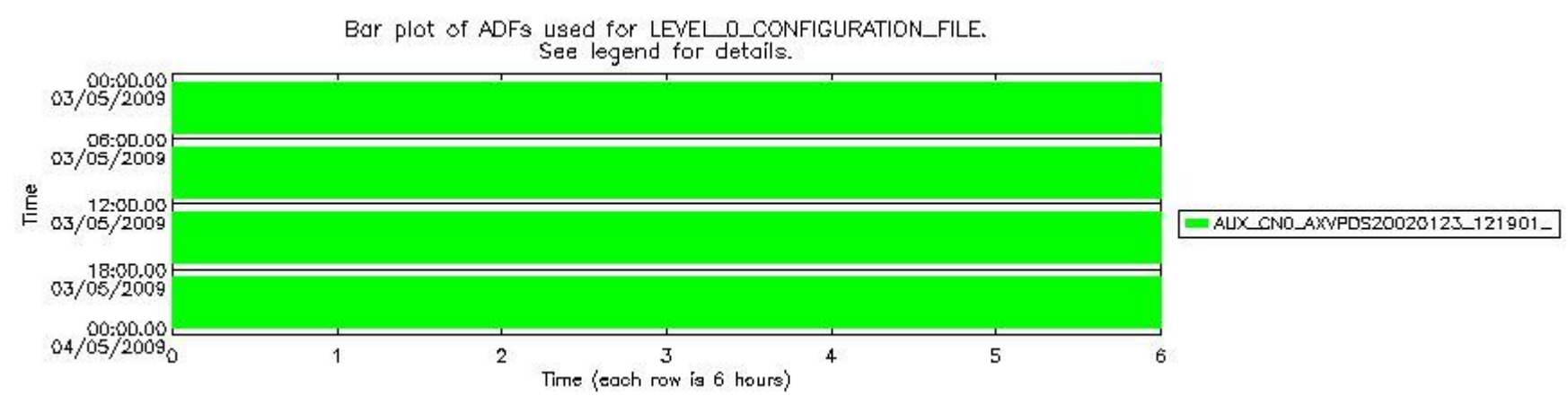
## 0.4 ADF monitoring

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

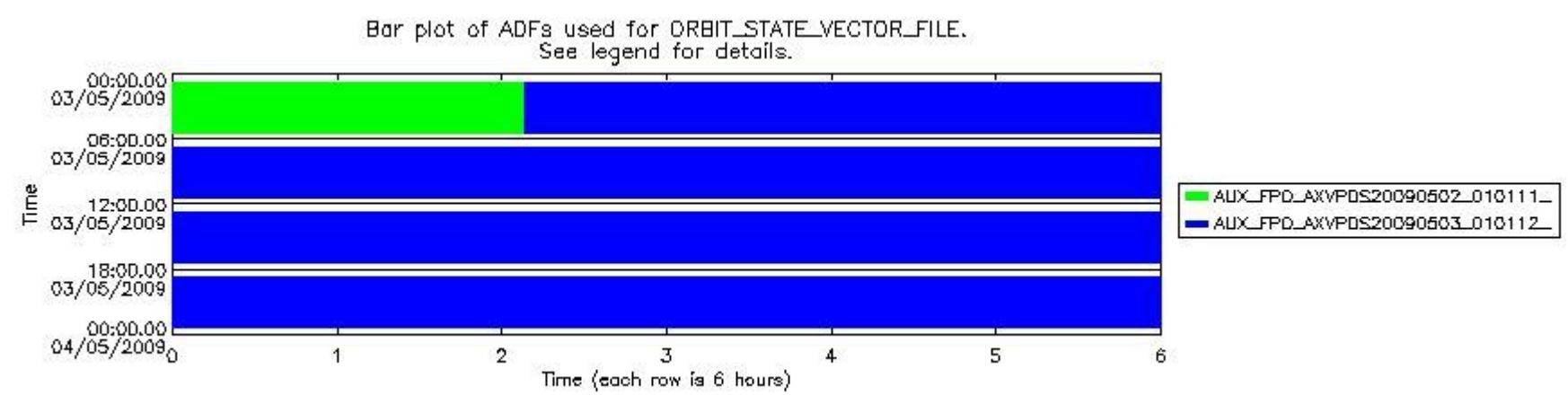
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

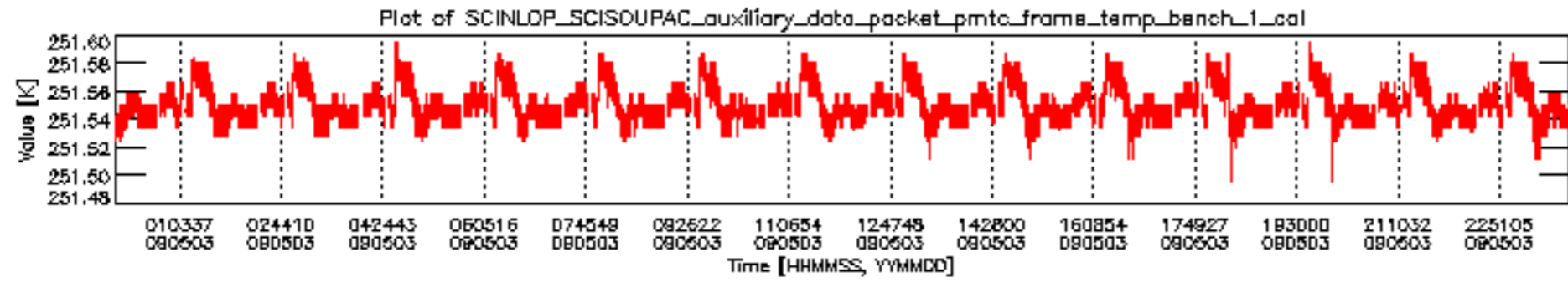
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20090502_010111_20090501_185238_20090511_201852</b>
2	<b>AUX_FPO_AXVPDS20090503_010112_20090502_182101_20090512_212751</b>



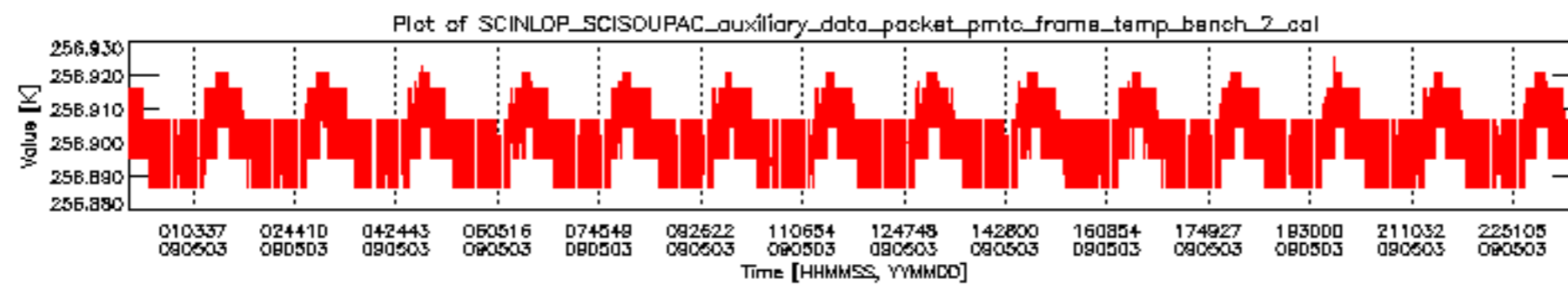
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090503\_7.PNG

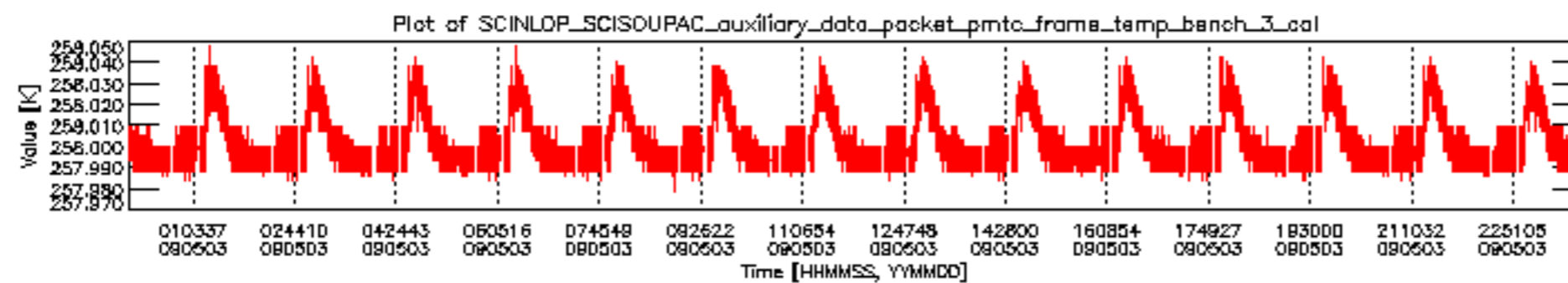


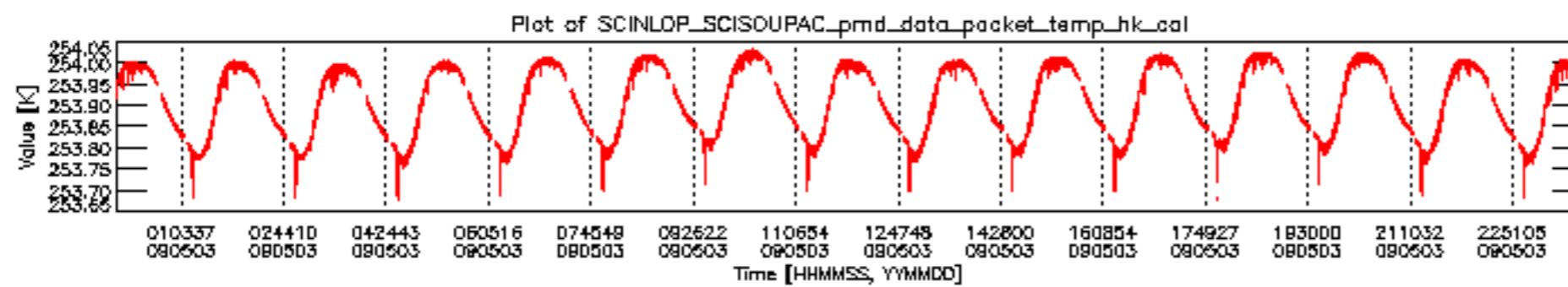
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090503\_8.PNG

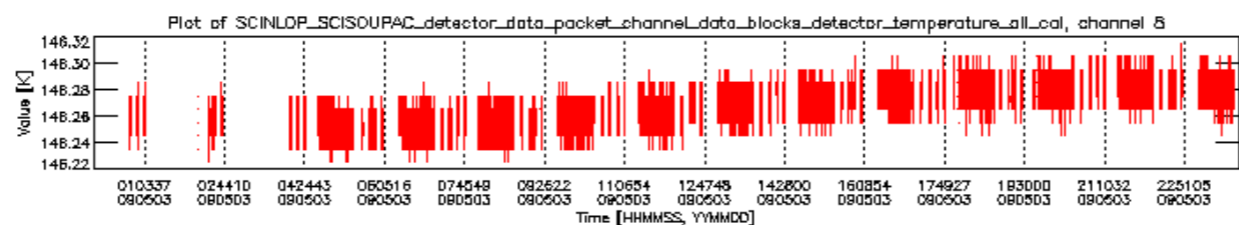
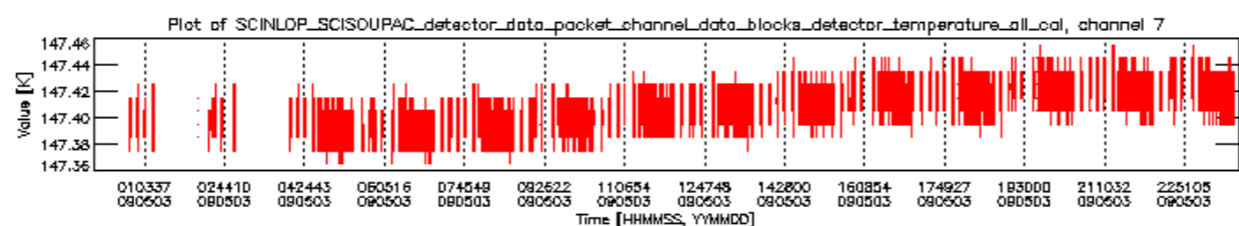
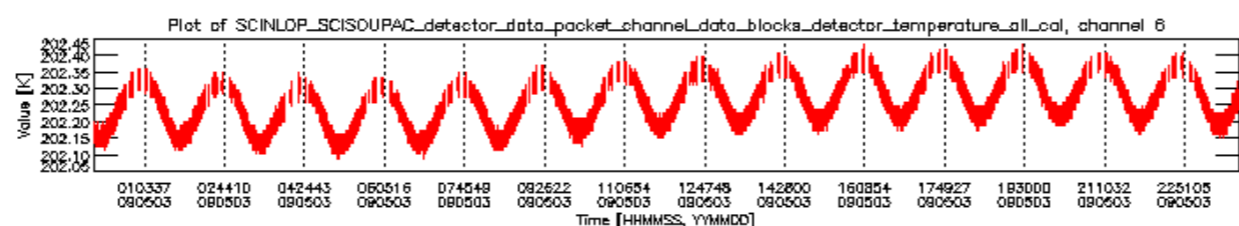
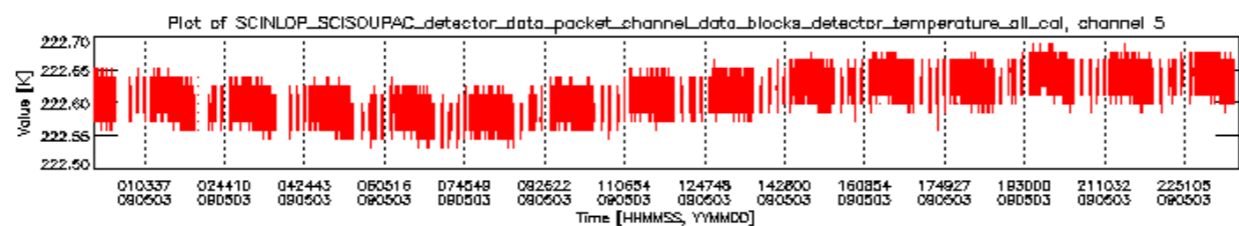
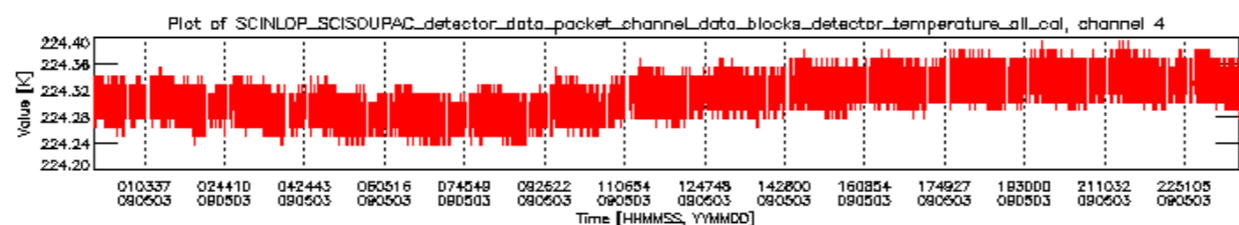
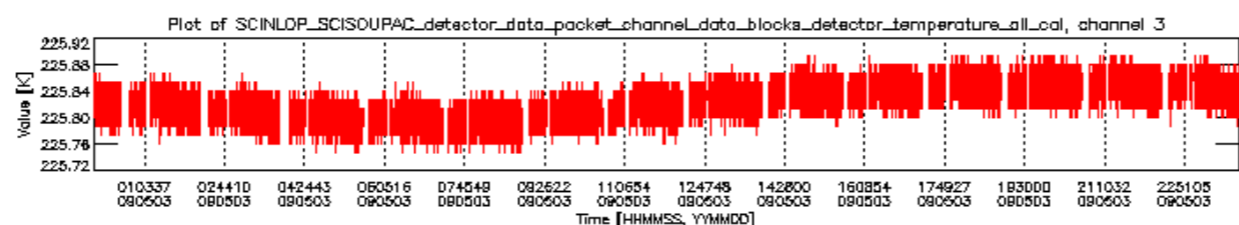
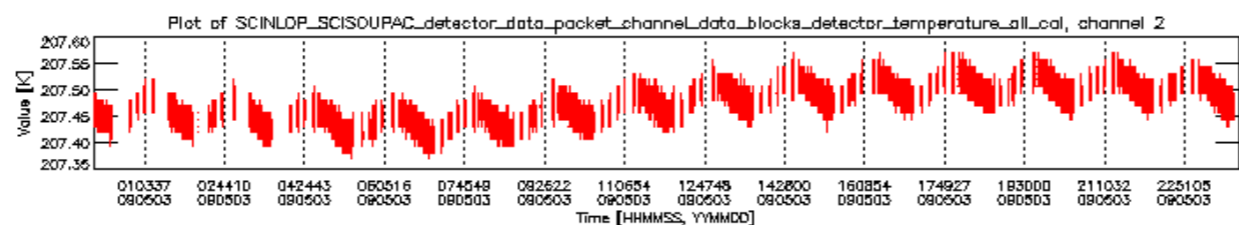
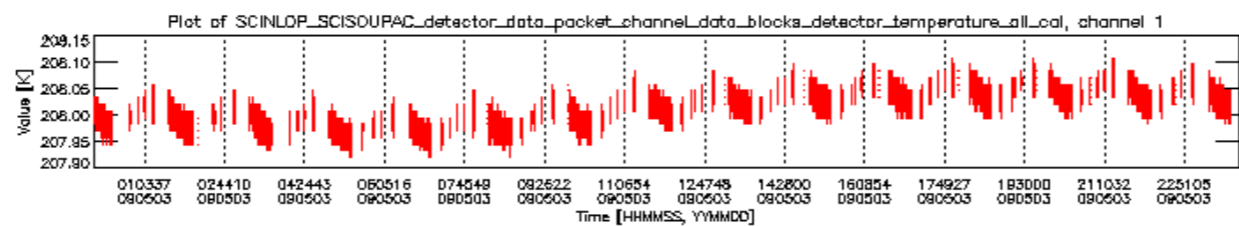




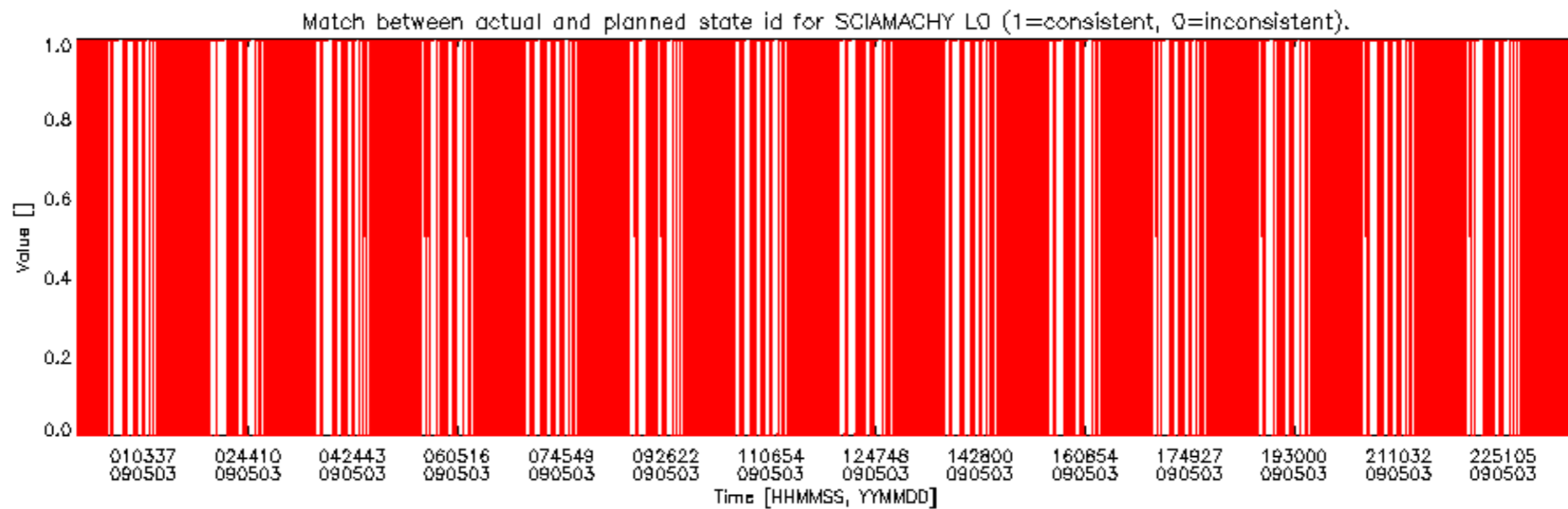
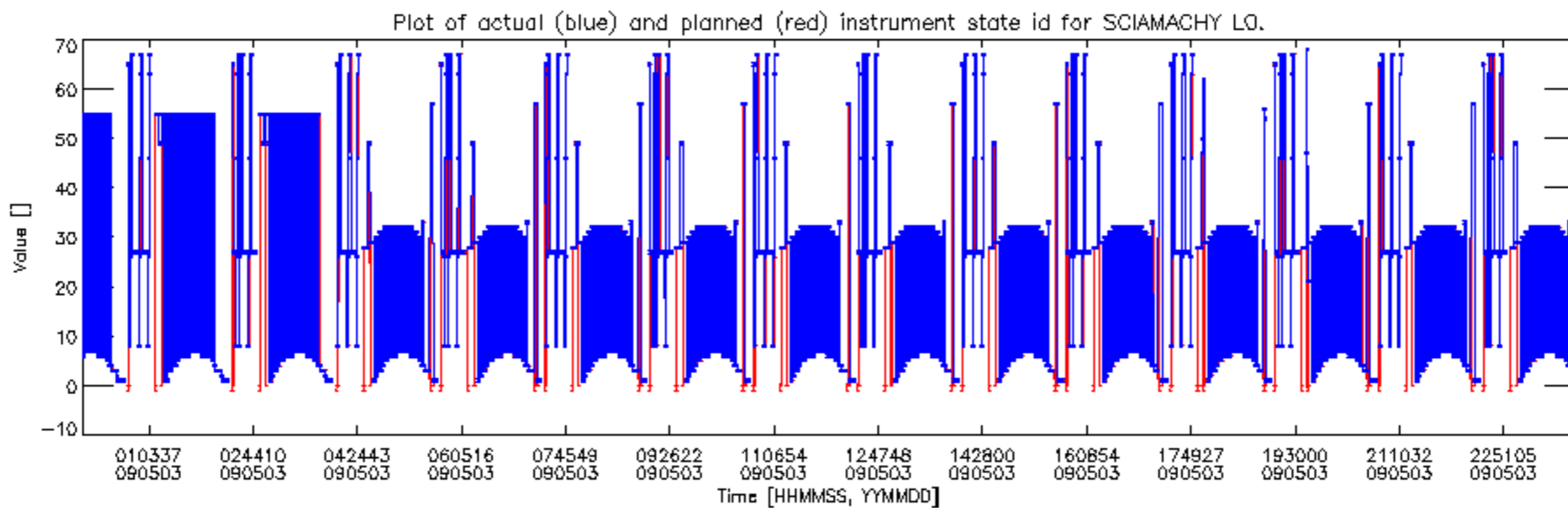












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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 The remaining colours indicate planned activities and/or special measurements.  
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