

## 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	10APR2009 05:23:07
Data source version	KSPT_L0/4303-N
Processing scope for products	06APR2009 00:00:00 to 07APR2009 00:00:00
Start time of first product within scope	05APR2009 23:59:08
Stop time of last product within scope	06APR2009 23:43:56
Total number of level 0 products	16
Number of level 0 products with errors	0

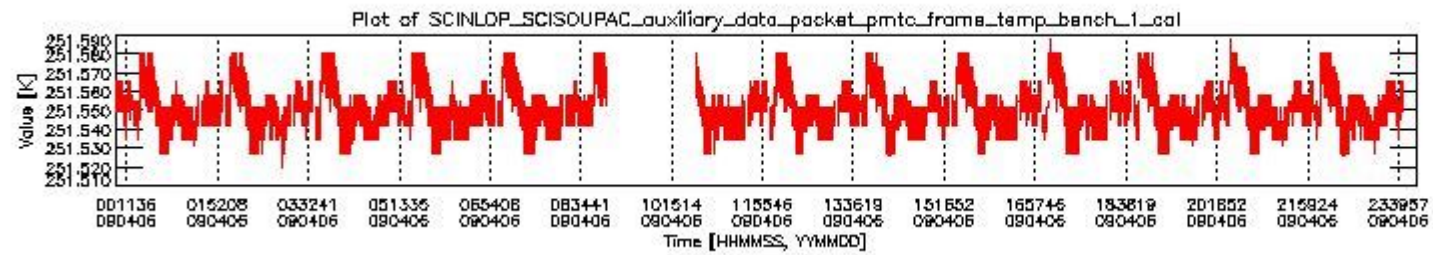
### 0.1.2 Summary per product

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

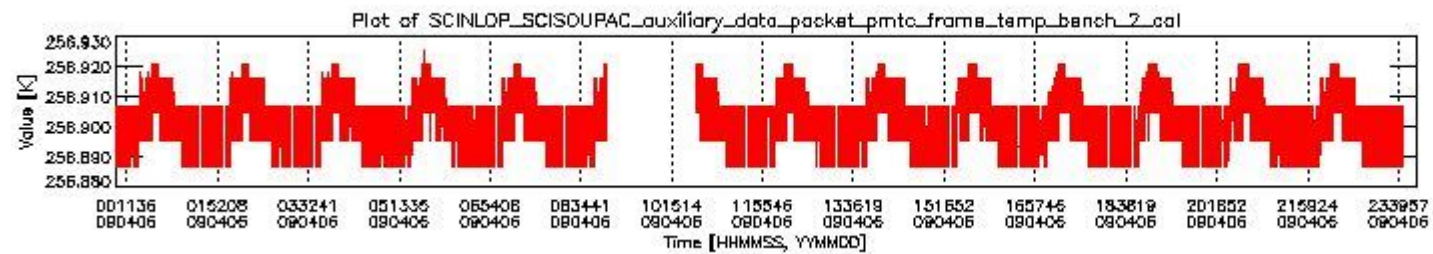
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090405_235908_000060032077_00488_37115_8895.N1	05APR2009 23:59:08	06APR2009 01:39:11	0	0	0	0	0
1	SCI_NL__OPNPDE20090406_013743_000047162077_00489_37116_8896.N1	06APR2009 01:37:43	06APR2009 02:56:19	0	0	0	0	0
2	SCI_NL__OPNPDE20090406_025619_000058552077_00490_37117_8897.N1	06APR2009 02:56:19	06APR2009 04:33:54	0	0	0	0	0
3	SCI_NL__OPNPDE20090406_043246_000061042077_00491_37118_8898.N1	06APR2009 04:32:46	06APR2009 06:14:30	0	0	0	0	0
4	SCI_NL__OPNPDK20090406_061322_000041692077_00492_37119_1191.N1	06APR2009 06:13:22	06APR2009 07:22:51	0	0	0	0	0
5	SCI_NL__OPNPDK20090406_072155_000060352077_00493_37120_1192.N1	06APR2009 07:21:55	06APR2009 09:02:30	0	0	0	0	0
6	SCI_NL__OPNPDK20090406_104157_000061042077_00495_37122_1194.N1	06APR2009 10:41:57	06APR2009 12:23:41	0	0	0	0	0
7	SCI_NL__OPNPDK20090406_122233_000059112077_00496_37123_1195.N1	06APR2009 12:22:33	06APR2009 14:01:04	0	0	0	0	0
8	SCI_NL__OPNPDK20090406_140104_000059112077_00497_37124_1196.N1	06APR2009 14:01:04	06APR2009 15:39:35	0	0	0	0	0
9	SCI_NL__OPNPDK20090406_153839_000058392077_00498_37125_1197.N1	06APR2009 15:38:39	06APR2009 17:15:58	0	0	0	0	0
10	SCI_NL__OPNPDK20090406_171502_000060042077_00499_37126_1198.N1	06APR2009 17:15:02	06APR2009 18:55:06	0	0	0	0	0
11	SCI_NL__OPNPDK20090406_185410_000060152077_00500_37127_1199.N1	06APR2009 18:54:10	06APR2009 20:34:25	0	0	0	0	0
12	SCI_NL__OPNPDE20090406_203111_000044612077_00501_37128_8899.N1	06APR2009 20:31:11	06APR2009 21:45:32	0	0	0	0	0
13	SCI_NL__OPNPDK20090406_214404_000018012077_00501_37128_1200.N1	06APR2009 21:44:04	06APR2009 22:14:05	0	0	0	0	0
14	SCI_NL__OPNPDE20090406_221405_000043152078_00001_37129_8900.N1	06APR2009 22:14:05	06APR2009 23:25:59	0	0	0	0	0
15	SCI_NL__OPNPDE20090406_232526_000011102078_00001_37129_8901.N1	06APR2009 23:25:26	06APR2009 23:43:56	0	0	0	0	0

## 0.2 Product Quality Indicators

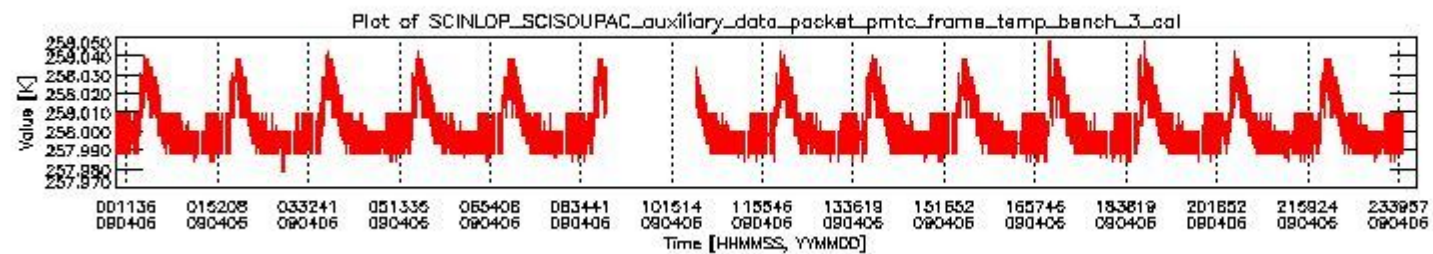
This section shows information about product quality, currently temperatures.



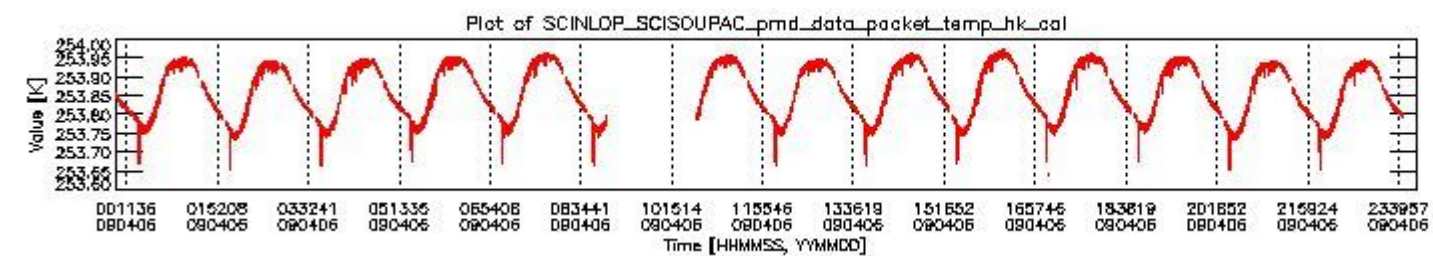
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090406\_0.PNG



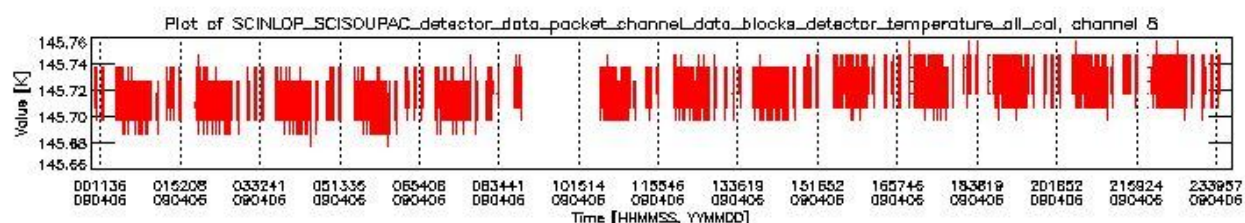
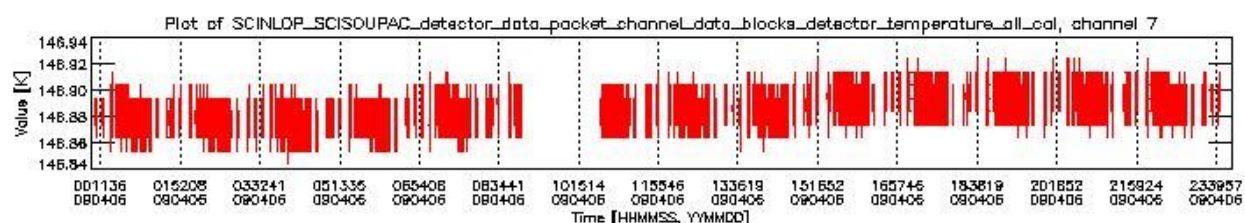
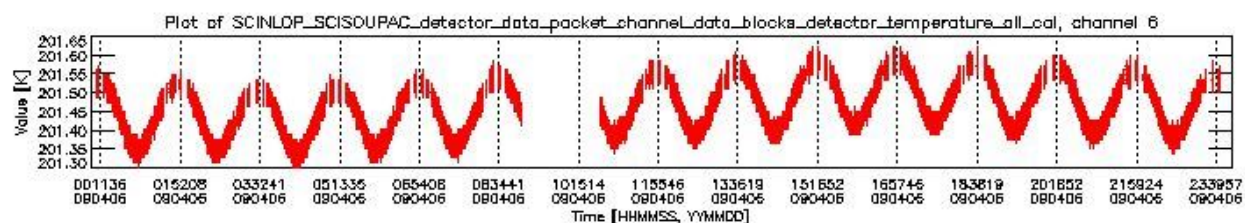
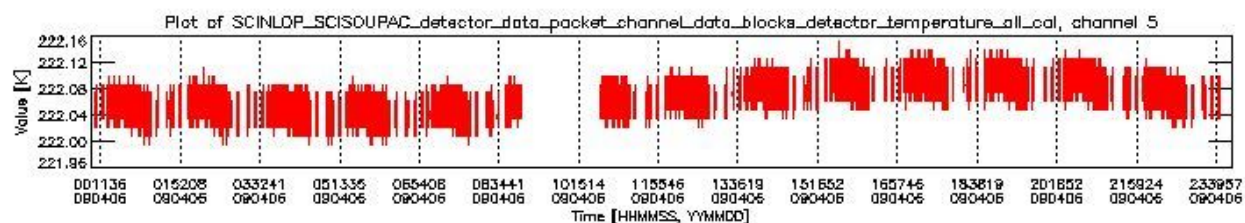
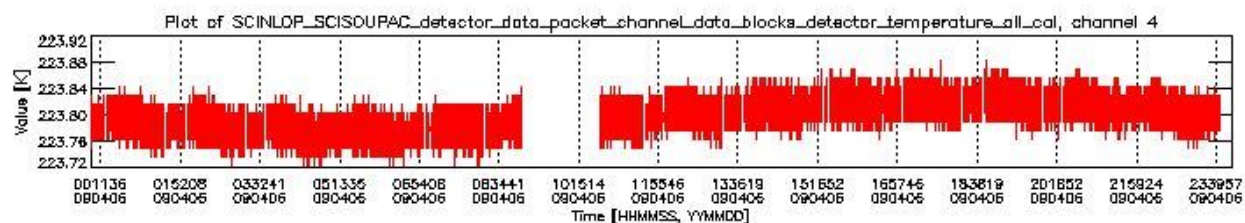
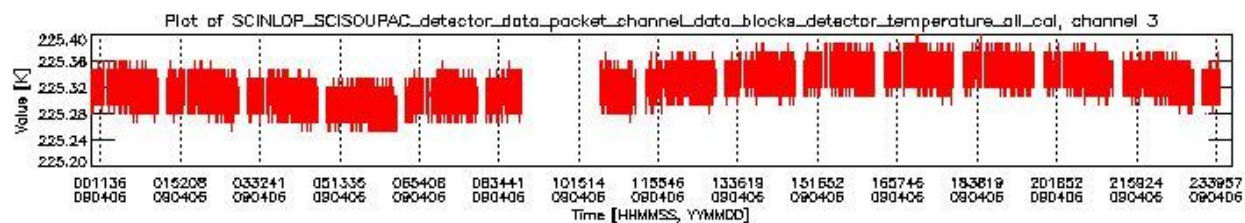
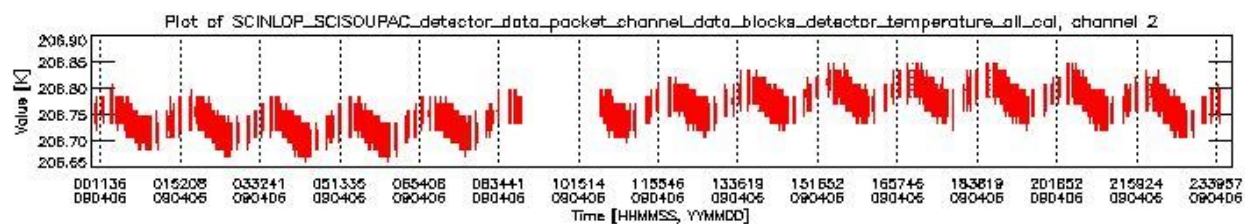
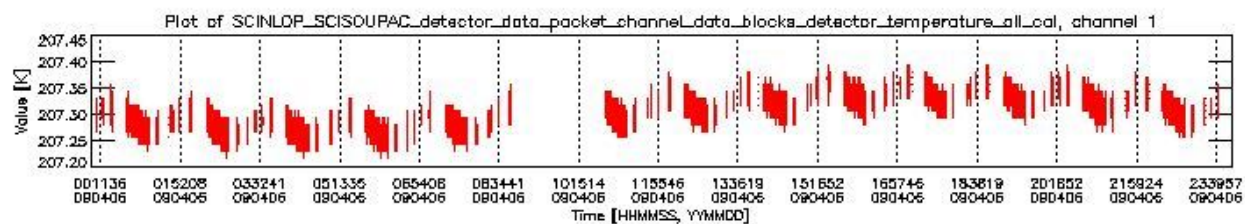
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090406\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090406\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090406\_3.PNG

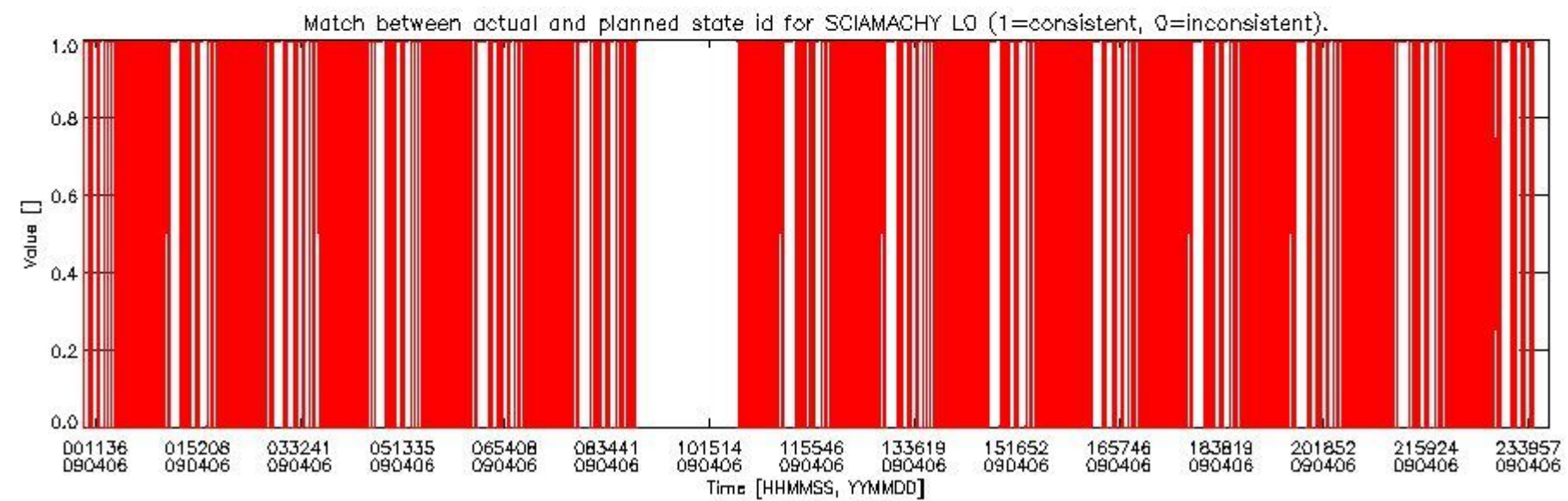
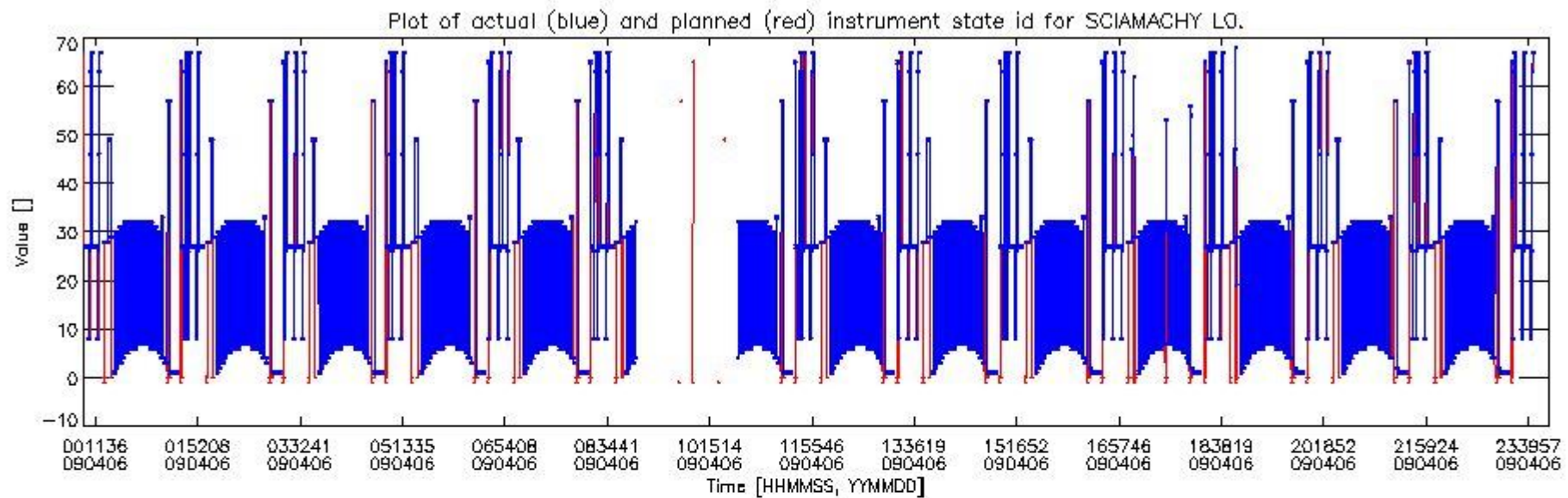


### 0.3 State monitoring

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: **50086**

#	Actual time	Actual value	Planned time	Planned value
0	06APR2009 00:05:00.467008	8	06APR2009 00:05:00.467008	27
1	06APR2009 00:05:01.592007	8	06APR2009 00:05:01.592007	27
2	06APR2009 00:05:02.592002	8	06APR2009 00:05:02.592002	27
3	06APR2009 00:05:03.591996	8	06APR2009 00:05:03.591996	27
4	06APR2009 00:05:04.592031	8	06APR2009 00:05:04.592031	27
5	06APR2009 00:05:05.467021	8	06APR2009 00:05:05.467021	27
6	06APR2009 00:05:05.592026	8	06APR2009 00:05:05.592026	27
7	06APR2009 00:05:06.592020	8	06APR2009 00:05:06.592020	27
8	06APR2009 00:05:07.592015	8	06APR2009 00:05:07.592015	27
9	06APR2009 00:05:08.592010	8	06APR2009 00:05:08.592010	27
10	06APR2009 00:05:09.592004	8	06APR2009 00:05:09.592004	27
11	06APR2009 00:05:10.467035	8	06APR2009 00:05:10.467035	27
12	06APR2009 00:05:10.591999	8	06APR2009 00:05:10.591999	27
13	06APR2009 00:05:11.592034	8	06APR2009 00:05:11.592034	27
14	06APR2009 00:05:12.592028	8	06APR2009 00:05:12.592028	27
15	06APR2009 00:05:13.592023	8	06APR2009 00:05:13.592023	27
16	06APR2009 00:05:44.025613	26	06APR2009 00:05:44.025613	8
17	06APR2009 00:05:44.650595	26	06APR2009 00:05:44.650595	8
18	06APR2009 00:05:45.150612	26	06APR2009 00:05:45.150612	8
19	06APR2009 00:05:45.650630	26	06APR2009 00:05:45.650630	8
	...	...	...	...

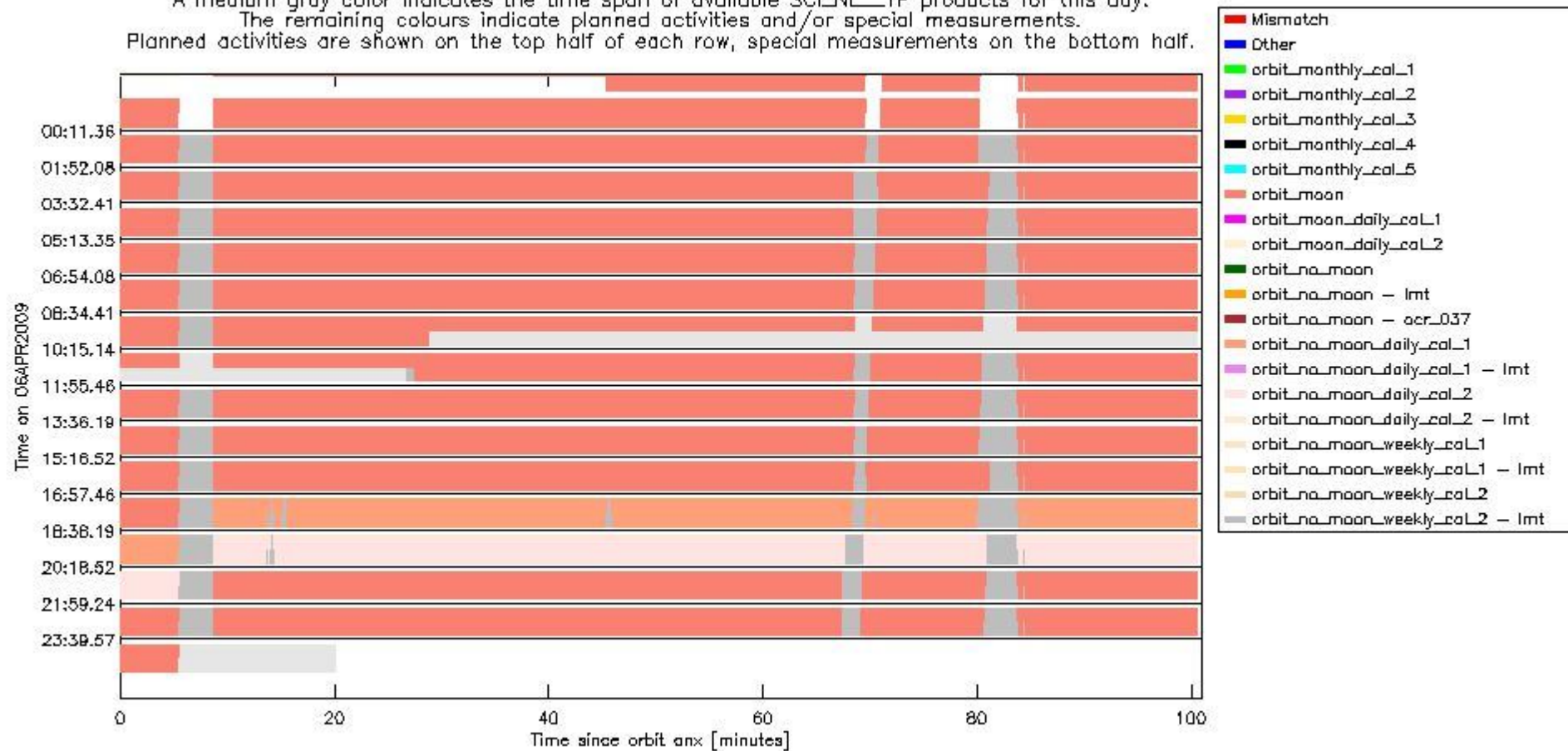


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090406\_5.PNG

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 Q6APR2009.  
 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\_20090406\_6.PNG

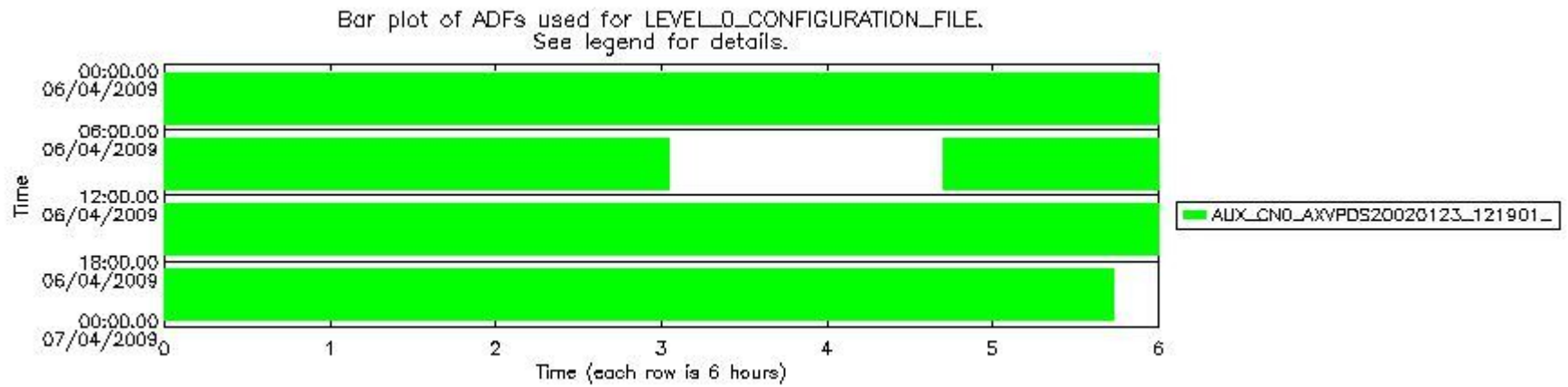
## 0.4 ADF monitoring

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

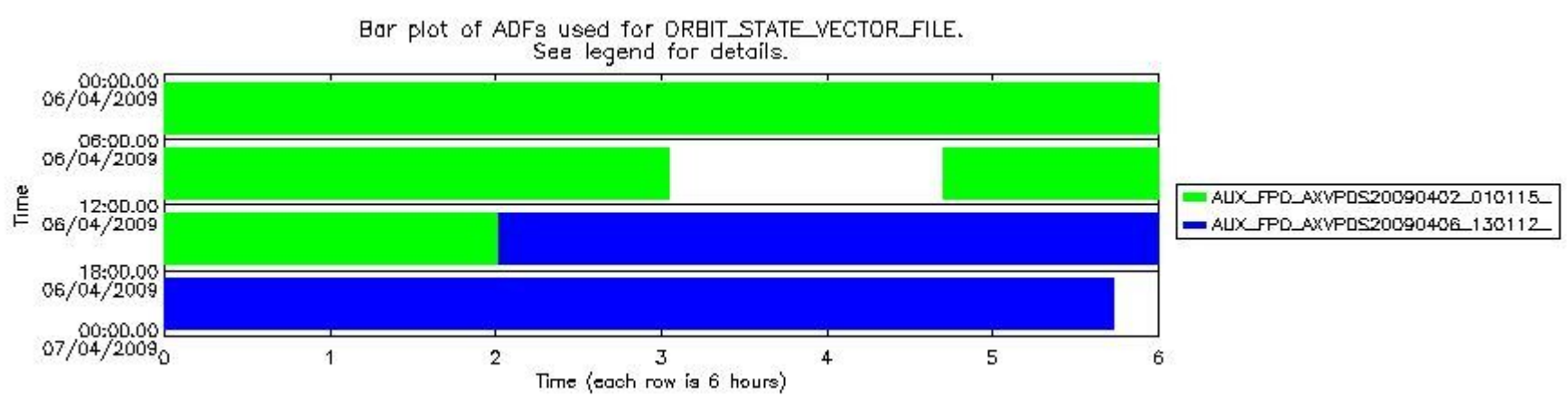
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

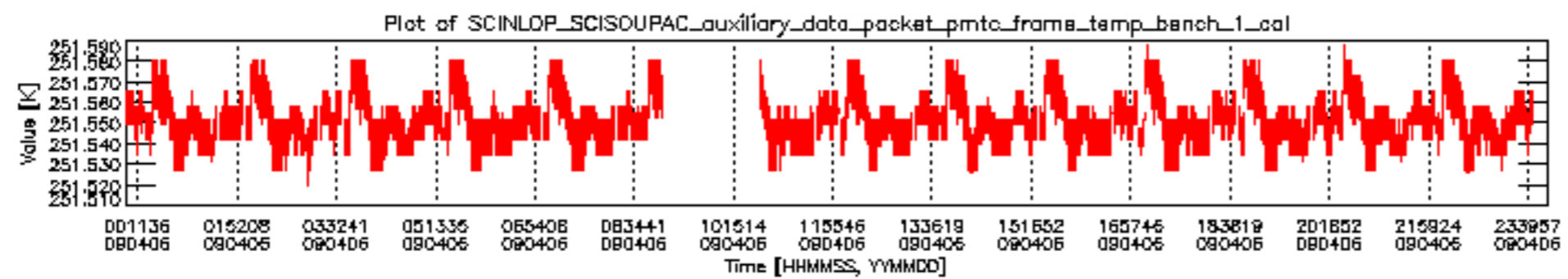
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20090402_010115_20090401_193543_20090411_210154</b>
2	<b>AUX_FPO_AXVPDS20090406_130112_20090406_101513_20090415_185526</b>



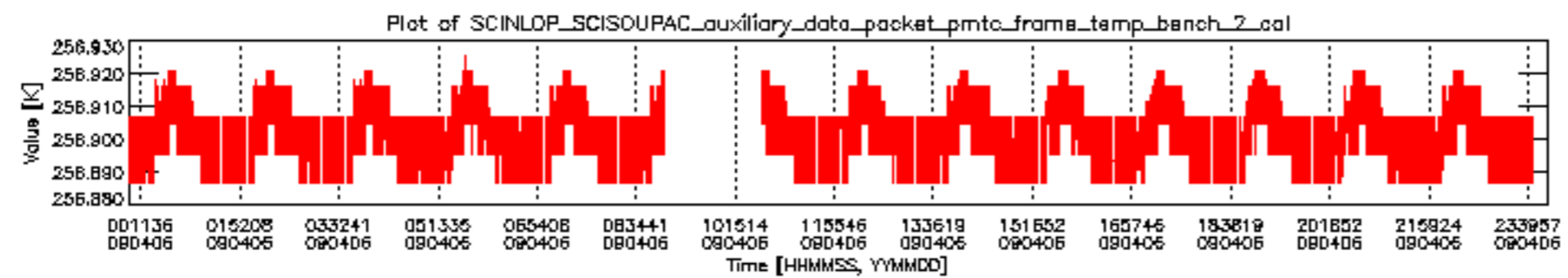
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090406\_7.PNG

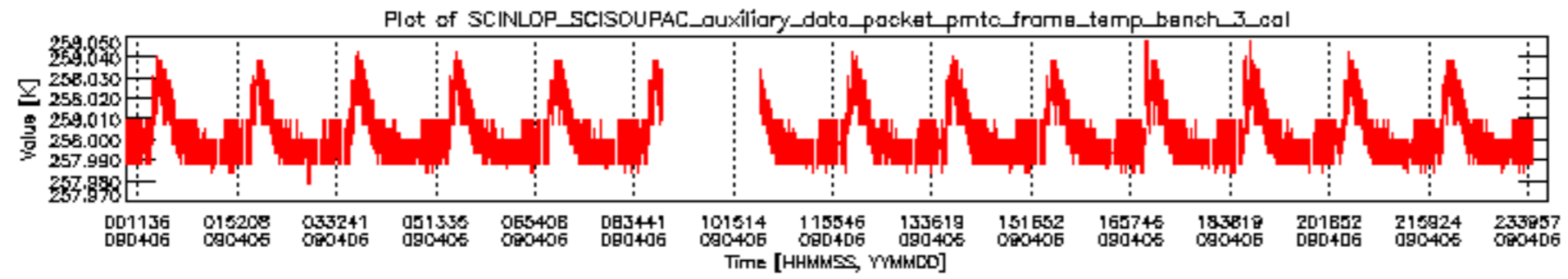


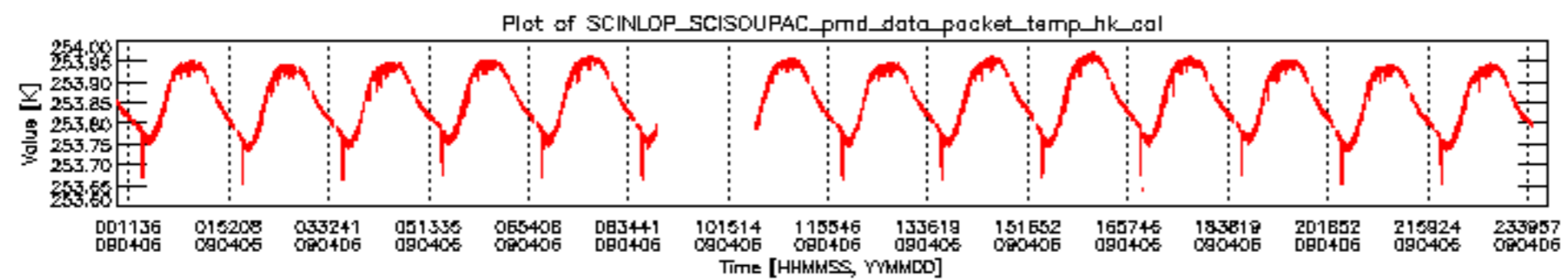
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090406\_8.PNG

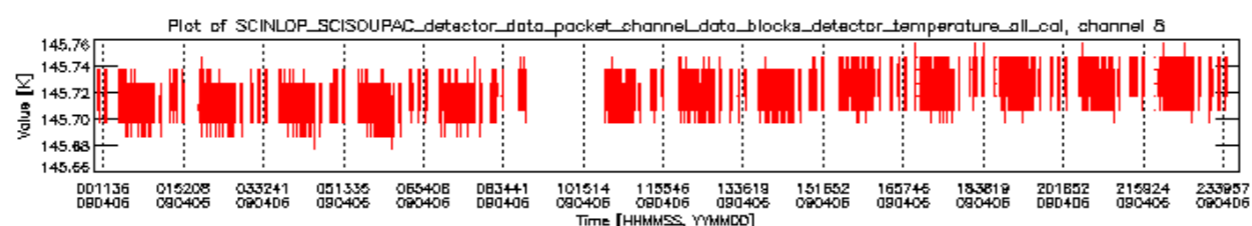
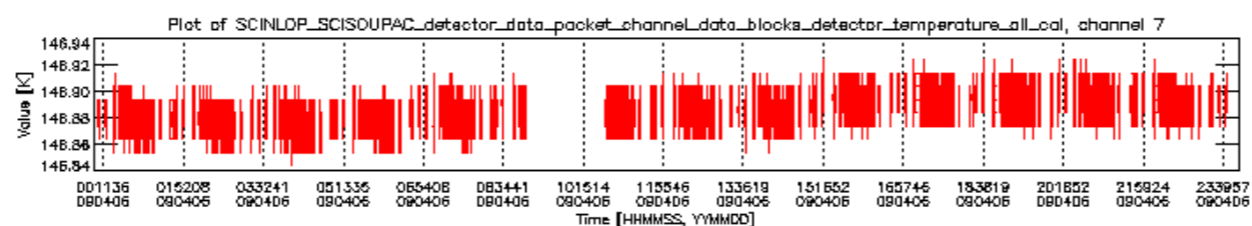
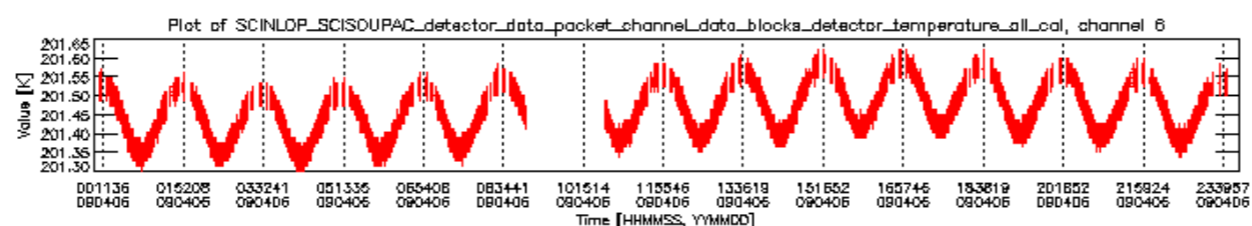
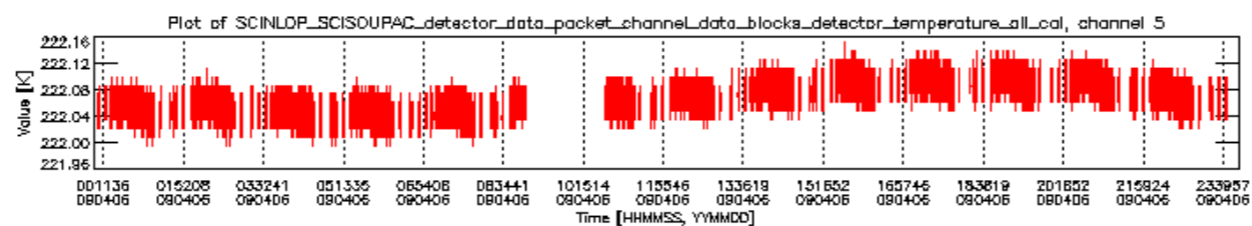
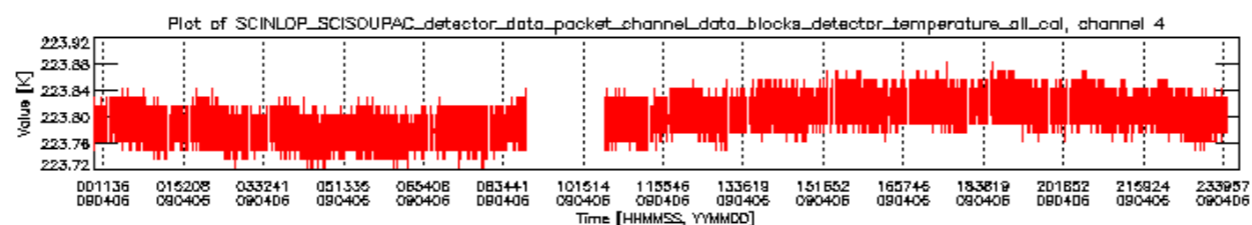
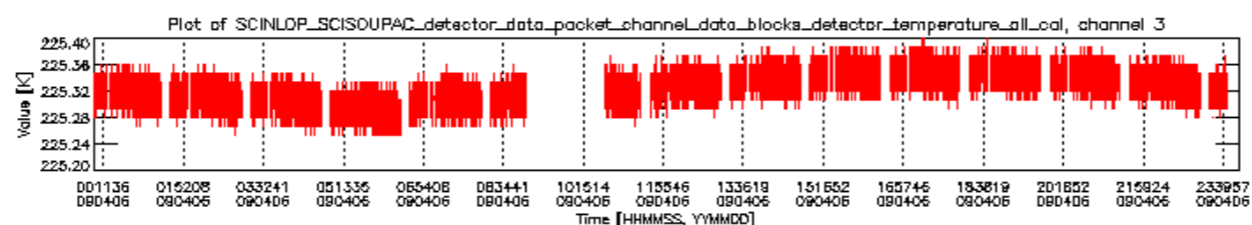
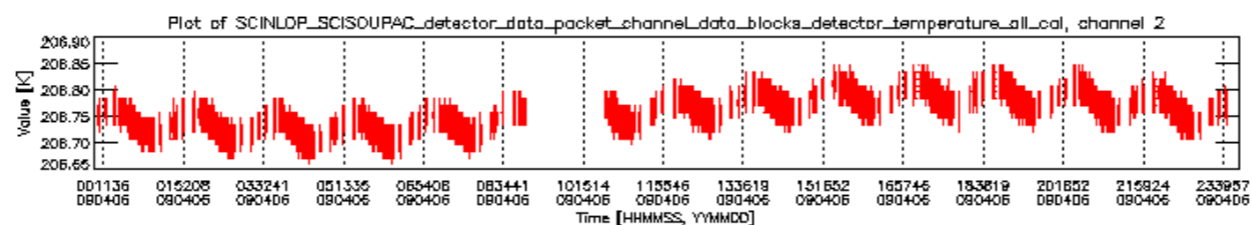
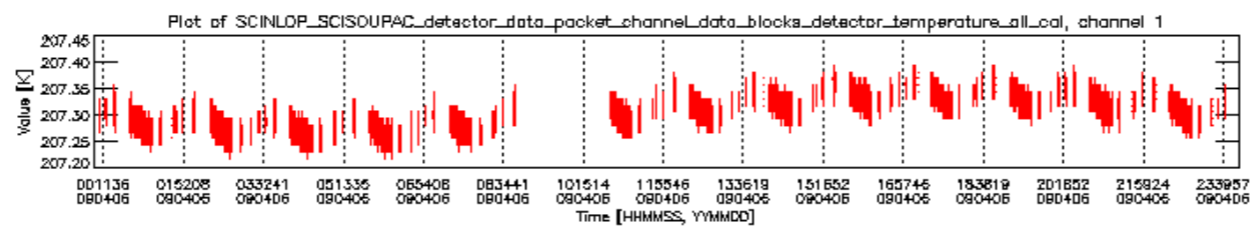


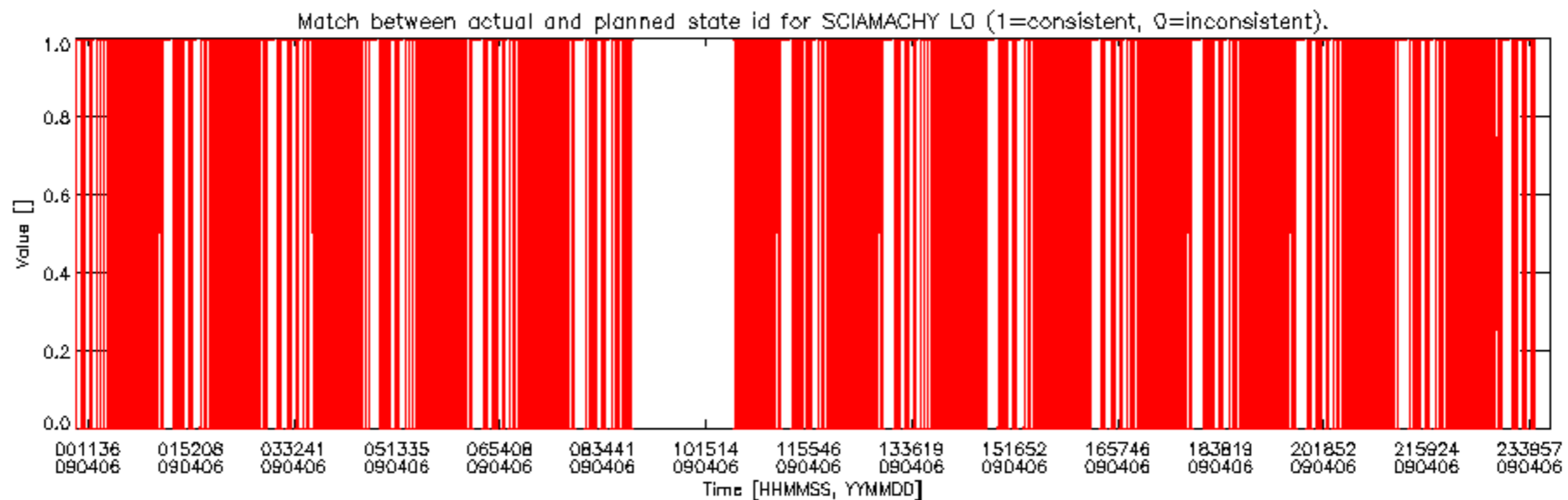
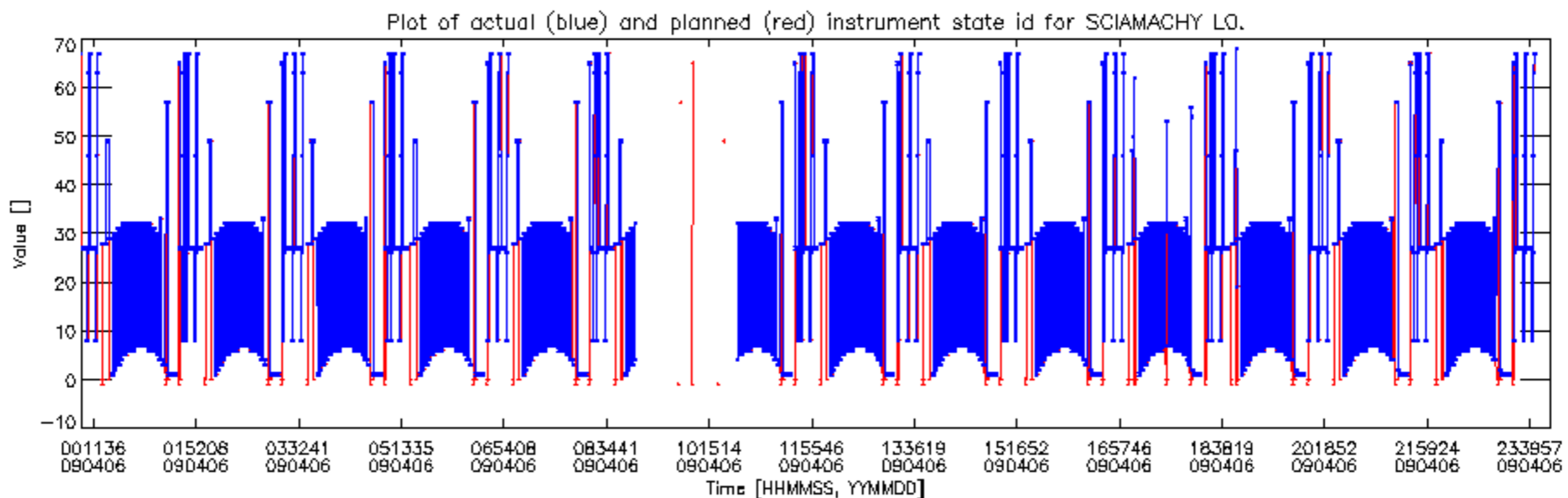












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 06APR2009.  
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