

## 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	17MAR2008 21:15:24
Data source version	KSPT_L0/4303-N
Processing scope for products	11MAR2008 00:00:00 to 12MAR2008 00:00:00
Start time of first product within scope	10MAR2008 22:38:58
Stop time of last product within scope	12MAR2008 01:36:31
Total number of level 0 products	16
Number of level 0 products with errors	5

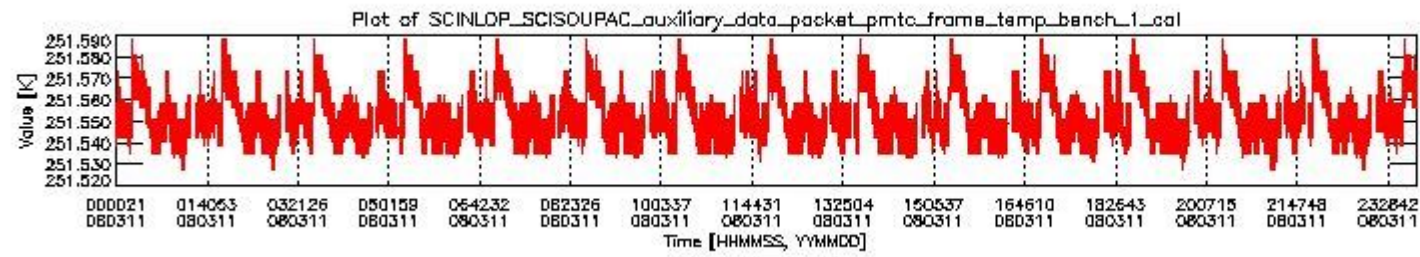
### 0.1.2 Summary per product

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

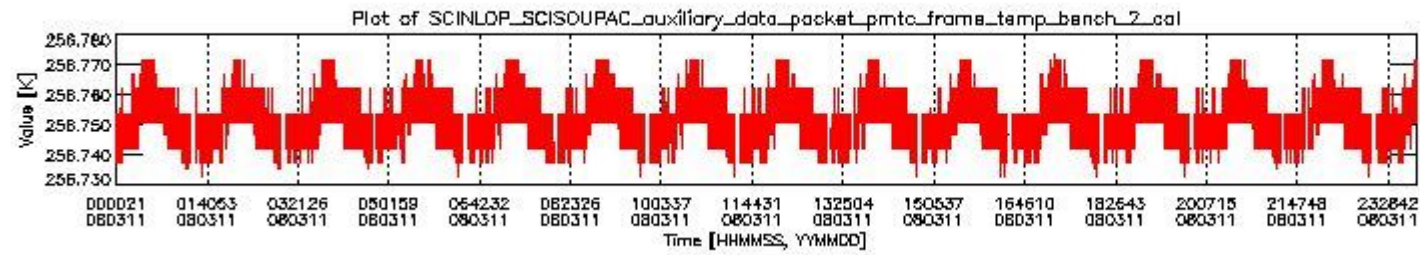
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080310_223858_000065332066_00402_31518_6240.N1	10MAR2008 22:38:58	11MAR2008 00:27:51	1	0	1	0	0
1	SCI_NL__OPNPDE20080311_002234_000061602066_00403_31519_6241.N1	11MAR2008 00:22:34	11MAR2008 02:05:14	0	0	0	0	0
2	SCI_NL__OPNPDE20080311_020405_000064212066_00404_31520_6242.N1	11MAR2008 02:04:05	11MAR2008 03:51:07	1	0	1	0	0
3	SCI_NL__OPNPDE20080311_034754_000063402066_00405_31521_6243.N1	11MAR2008 03:47:54	11MAR2008 05:33:34	1	0	1	0	0
4	SCI_NL__OPNPDK20080311_052829_000063532066_00406_31522_7616.N1	11MAR2008 05:28:29	11MAR2008 07:14:22	0	0	0	0	0
5	SCI_NL__OPNPDK20080311_071314_000060352066_00407_31523_7617.N1	11MAR2008 07:13:14	11MAR2008 08:53:49	0	0	0	0	0
6	SCI_NL__OPNPDK20080311_085240_000059802066_00408_31524_7618.N1	11MAR2008 08:52:40	11MAR2008 10:32:20	0	0	0	0	0
7	SCI_NL__OPNPDK20080311_103124_000060232066_00409_31525_7619.N1	11MAR2008 10:31:24	11MAR2008 12:11:47	0	0	0	0	0
8	SCI_NL__OPNPDK20080311_121147_000059242066_00410_31526_7620.N1	11MAR2008 12:11:47	11MAR2008 13:50:31	0	0	0	0	0
9	SCI_NL__OPNPDK20080311_134922_000059672066_00411_31527_7621.N1	11MAR2008 13:49:22	11MAR2008 15:28:49	0	0	0	0	0
10	SCI_NL__OPNPDK20080311_152753_000059112066_00412_31528_7622.N1	11MAR2008 15:27:53	11MAR2008 17:06:24	0	0	0	0	0
11	SCI_NL__OPNPDK20080311_170528_000059092066_00413_31529_7623.N1	11MAR2008 17:05:28	11MAR2008 18:43:57	0	0	0	0	0
12	SCI_NL__OPNPDK20080311_184357_000060762066_00414_31530_7624.N1	11MAR2008 18:43:57	11MAR2008 20:25:13	0	0	0	0	0
13	SCI_NL__OPNPDK20080311_202353_000061462066_00415_31531_7625.N1	11MAR2008 20:23:53	11MAR2008 22:06:19	0	0	0	0	0
14	SCI_NL__OPNPDE20080311_220523_000066452066_00416_31532_6244.N1	11MAR2008 22:05:23	11MAR2008 23:56:08	1	0	1	0	0
15	SCI_NL__OPNPDE20080311_234955_000063962066_00417_31533_6245.N1	11MAR2008 23:49:55	12MAR2008 01:36:31	1	0	1	0	0

## 0.2 Product Quality Indicators

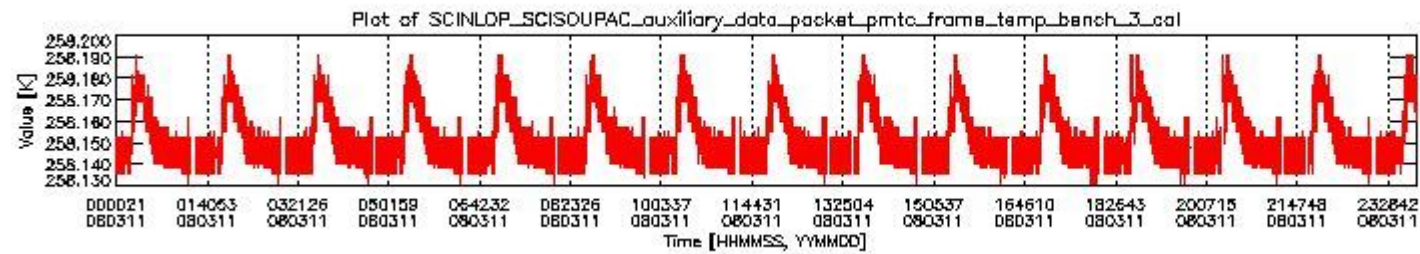
This section shows information about product quality, currently temperatures.



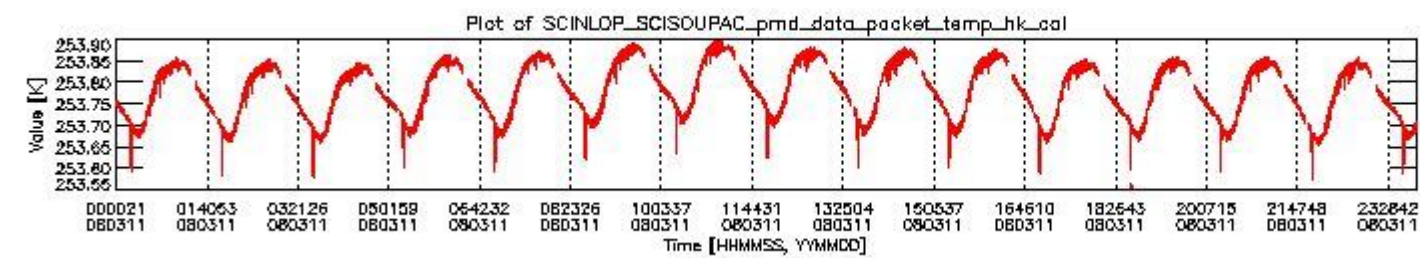
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080311\_0.PNG



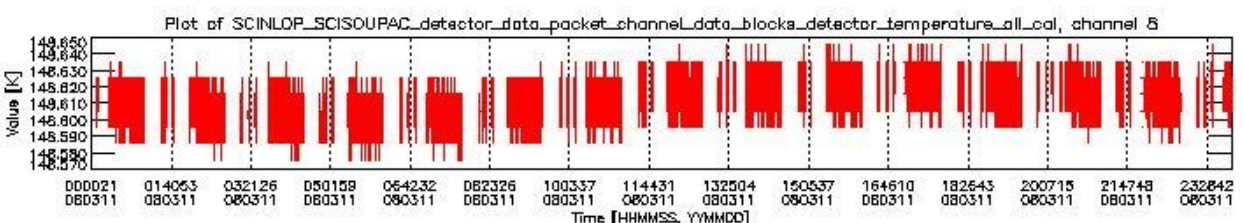
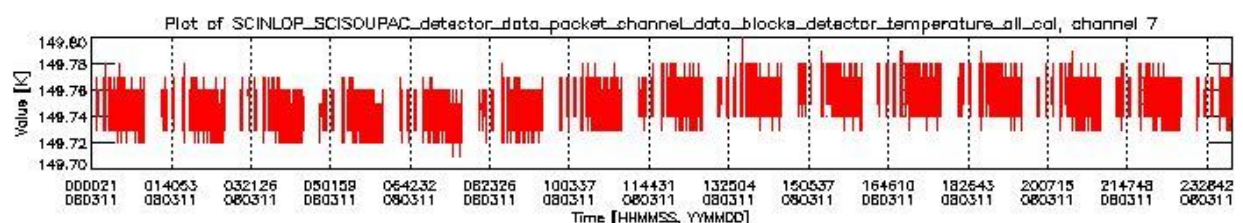
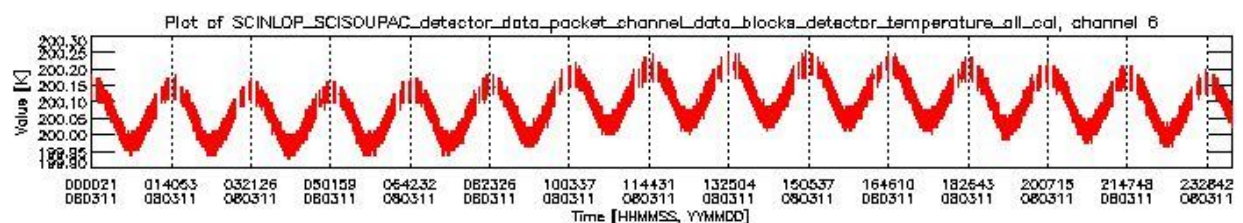
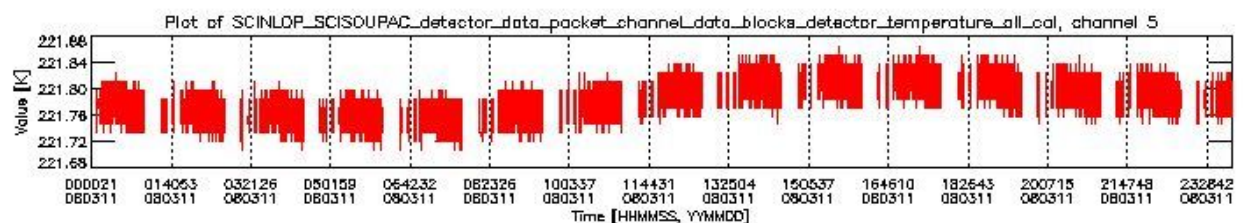
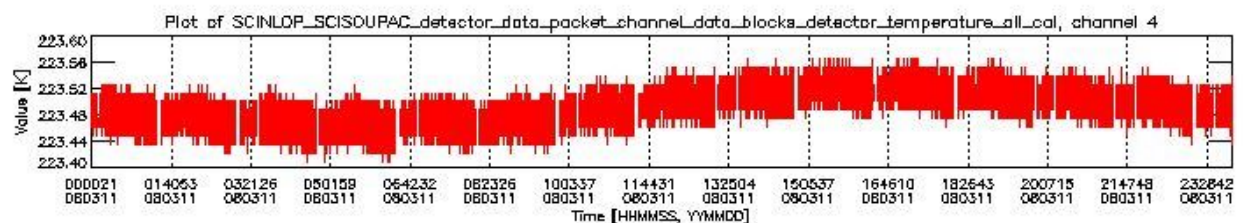
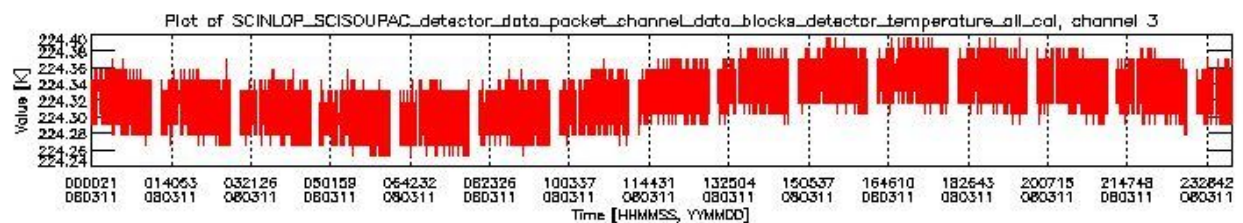
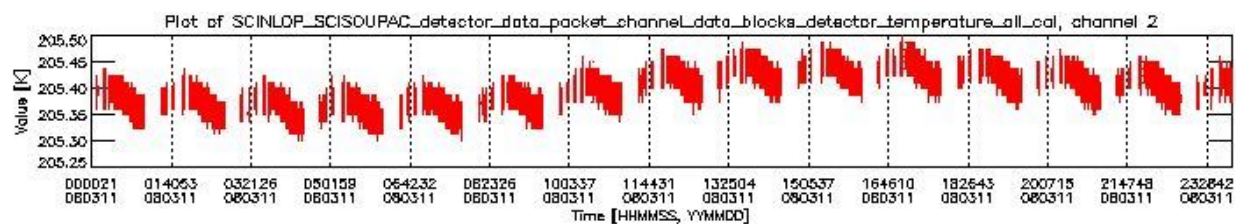
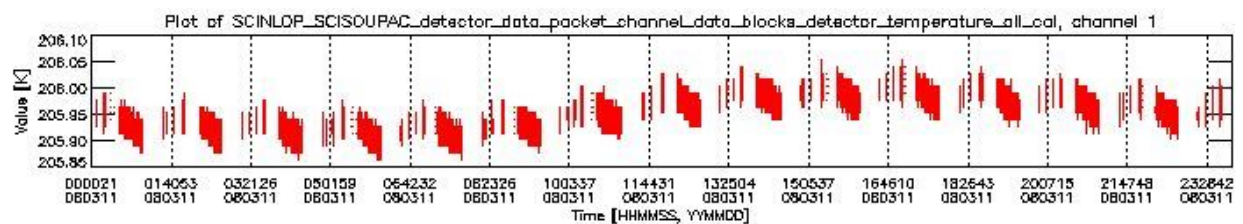
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080311\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080311\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080311\_3.PNG

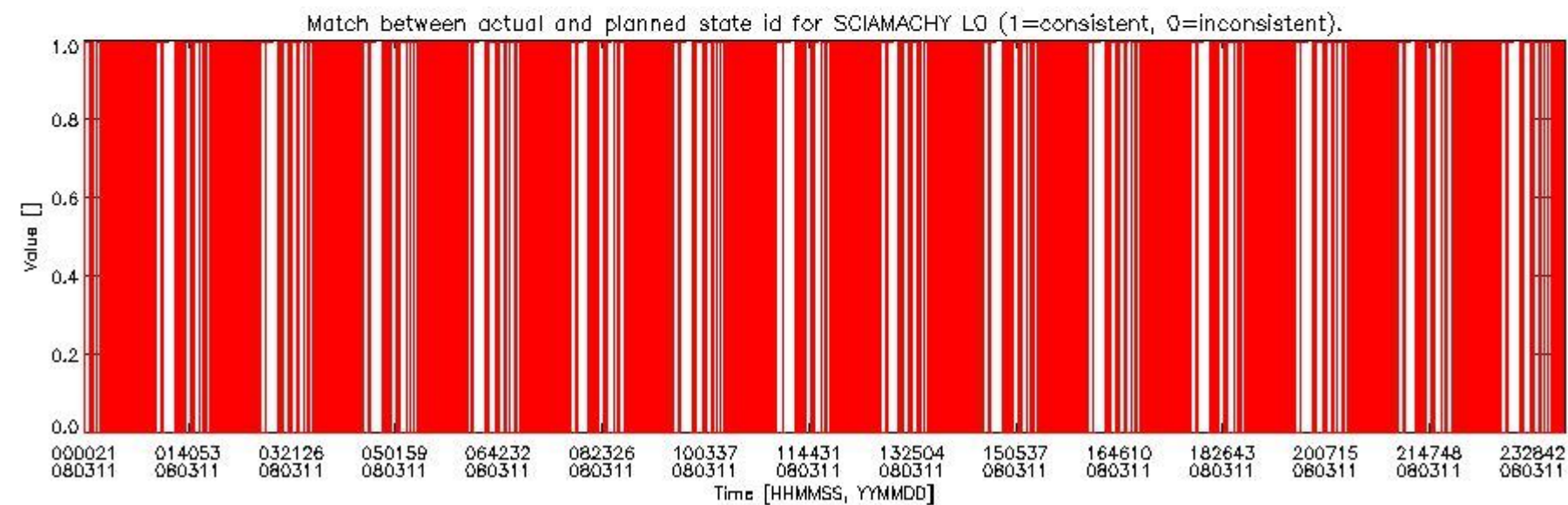
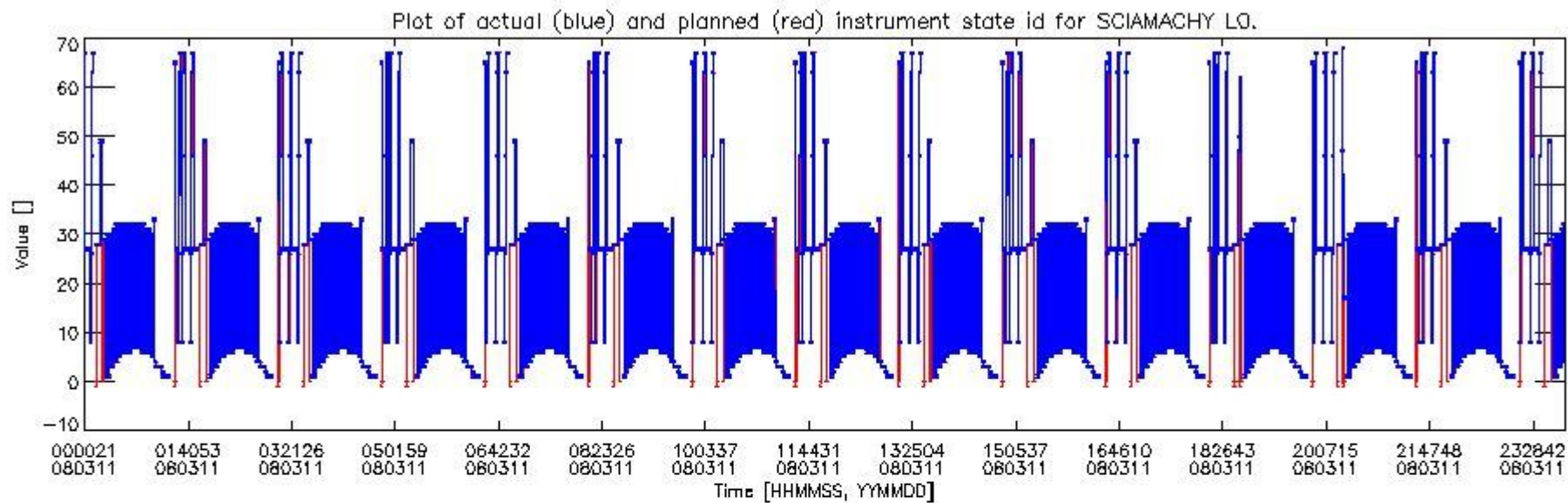


### 0.3 State monitoring

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: **34273**

#	Actual time	Actual value	Planned time	Planned value
0	11MAR2008 00:00:36.659950	27	11MAR2008 00:00:36.659950	67
1	11MAR2008 00:00:37.659945	27	11MAR2008 00:00:37.659945	67
2	11MAR2008 00:00:38.597457	27	11MAR2008 00:00:38.597457	67
3	11MAR2008 00:00:39.347443	27	11MAR2008 00:00:39.347443	67
4	11MAR2008 00:00:40.284956	27	11MAR2008 00:00:40.284956	67
5	11MAR2008 00:00:41.034941	27	11MAR2008 00:00:41.034941	67
6	11MAR2008 00:00:41.659963	27	11MAR2008 00:00:41.659963	67
7	11MAR2008 00:00:41.972454	27	11MAR2008 00:00:41.972454	67
8	11MAR2008 00:00:42.722480	27	11MAR2008 00:00:42.722480	67
9	11MAR2008 00:00:43.659952	27	11MAR2008 00:00:43.659952	67
10	11MAR2008 00:05:45.070146	8	11MAR2008 00:05:45.070146	27
11	11MAR2008 00:05:46.195145	8	11MAR2008 00:05:46.195145	27
12	11MAR2008 00:05:47.195140	8	11MAR2008 00:05:47.195140	27
13	11MAR2008 00:05:48.195134	8	11MAR2008 00:05:48.195134	27
14	11MAR2008 00:05:49.195169	8	11MAR2008 00:05:49.195169	27
15	11MAR2008 00:05:50.070159	8	11MAR2008 00:05:50.070159	27
16	11MAR2008 00:05:50.195163	8	11MAR2008 00:05:50.195163	27
17	11MAR2008 00:05:51.195158	8	11MAR2008 00:05:51.195158	27
18	11MAR2008 00:05:52.195153	8	11MAR2008 00:05:52.195153	27
19	11MAR2008 00:06:28.632654	26	11MAR2008 00:06:28.632654	8
	...	...	...	...

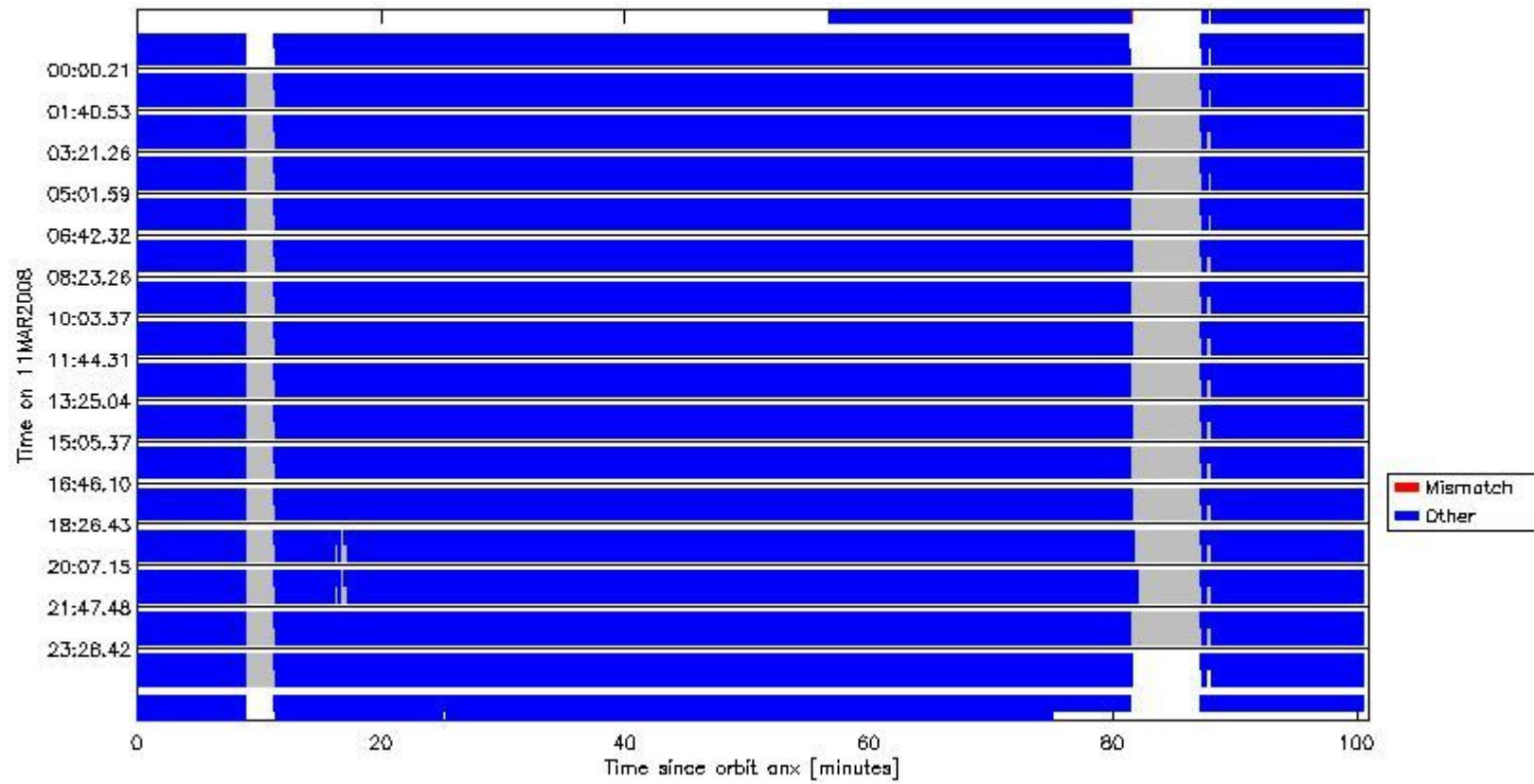


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080311\_5.PNG

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 11MAR2008.  
 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\_20080311\_6.PNG

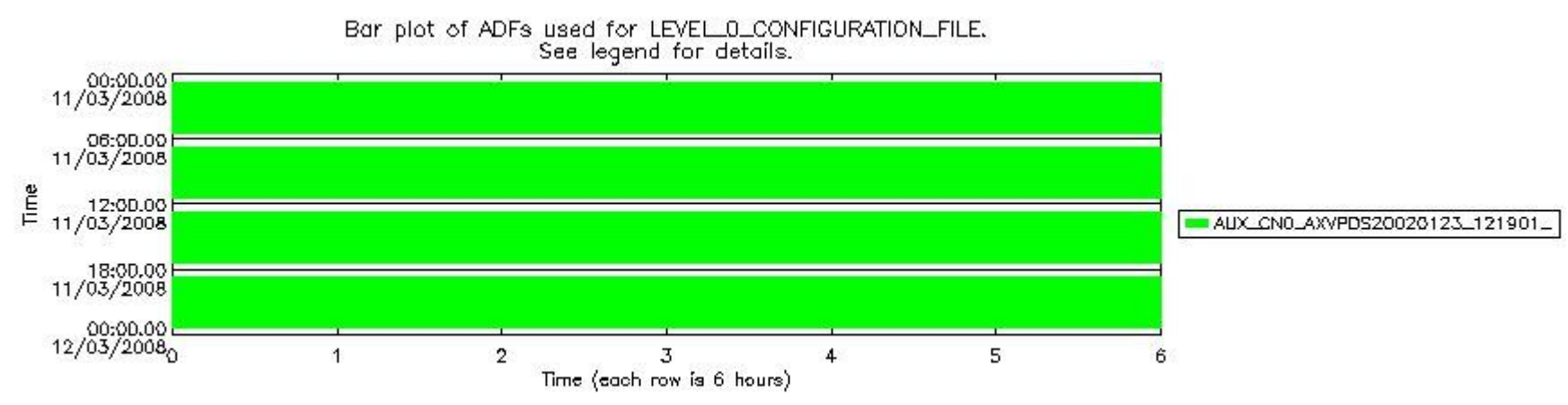
## 0.4 ADF monitoring

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

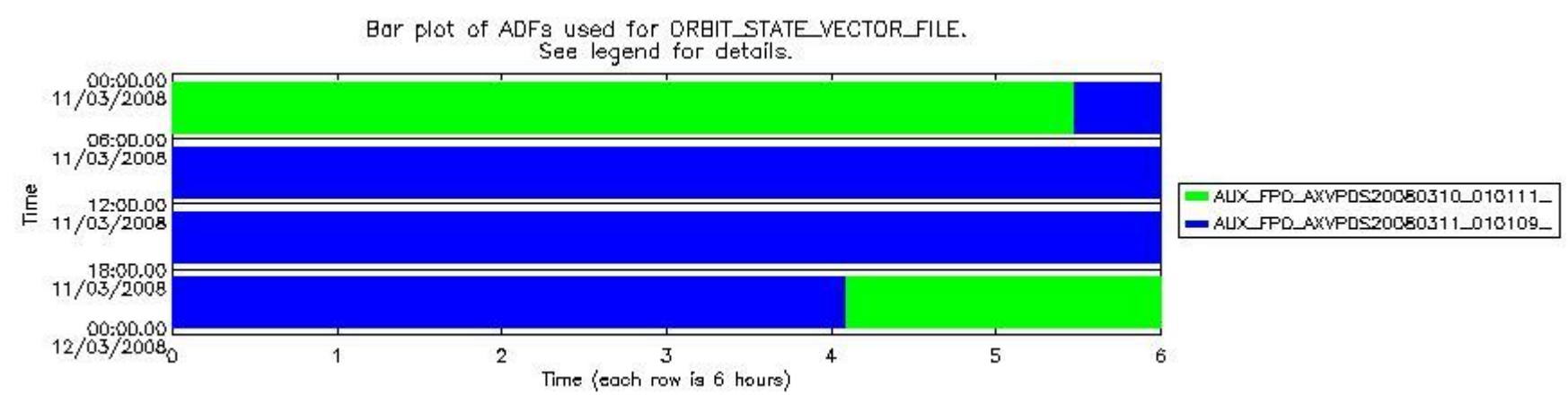
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

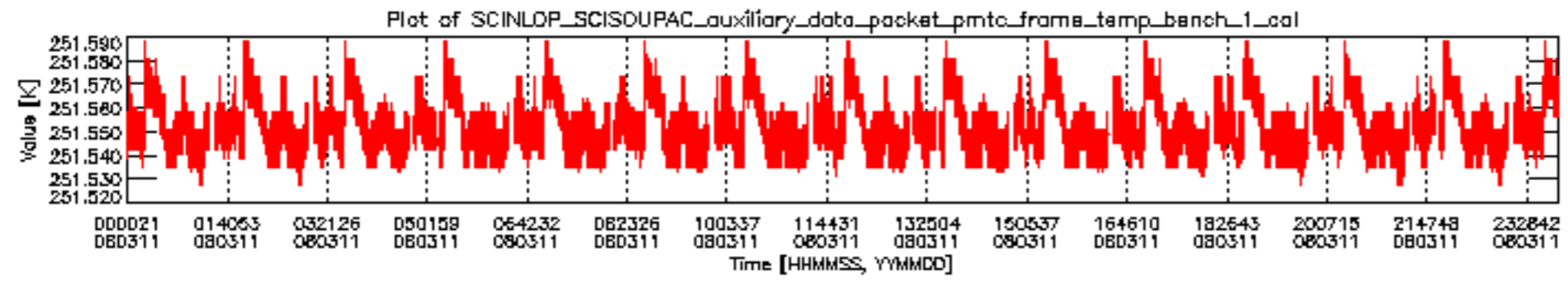
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080310_010111_20080309_193003_20080319_205617</b>
2	<b>AUX_FPO_AXVPDS20080311_010109_20080310_185826_20080320_202440</b>



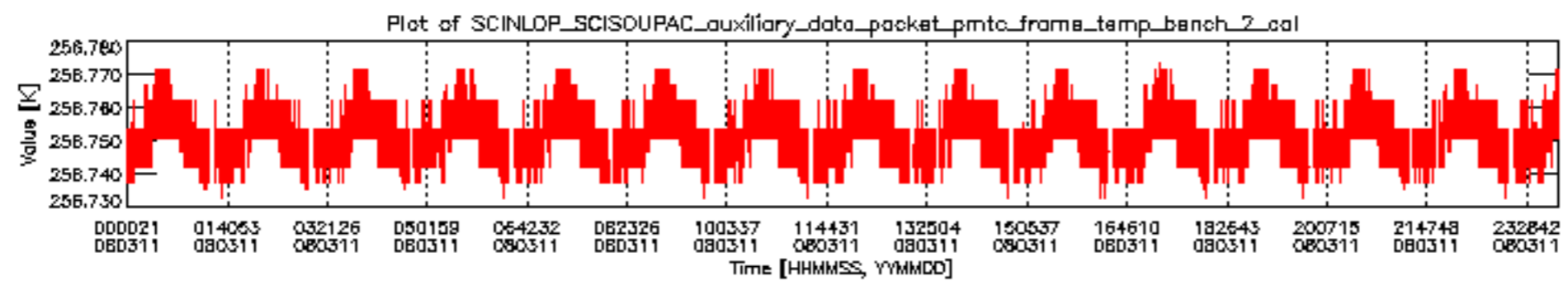
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080311\_7.PNG

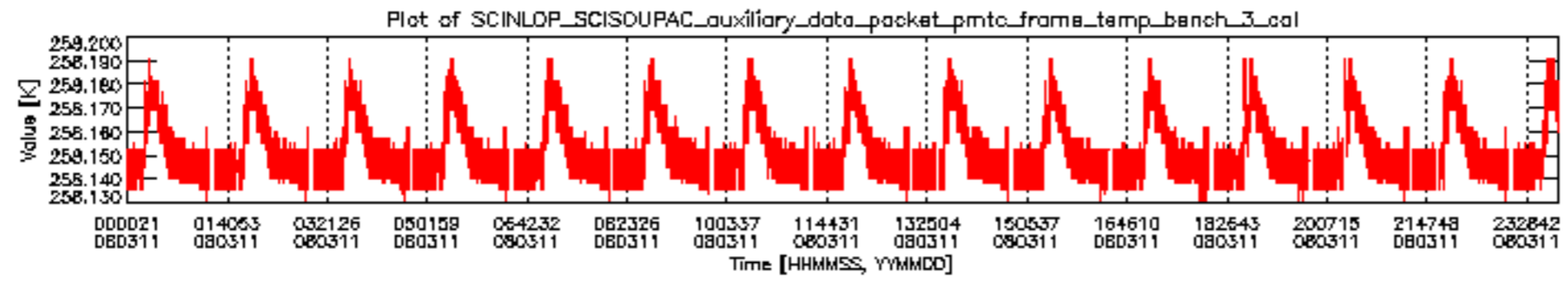


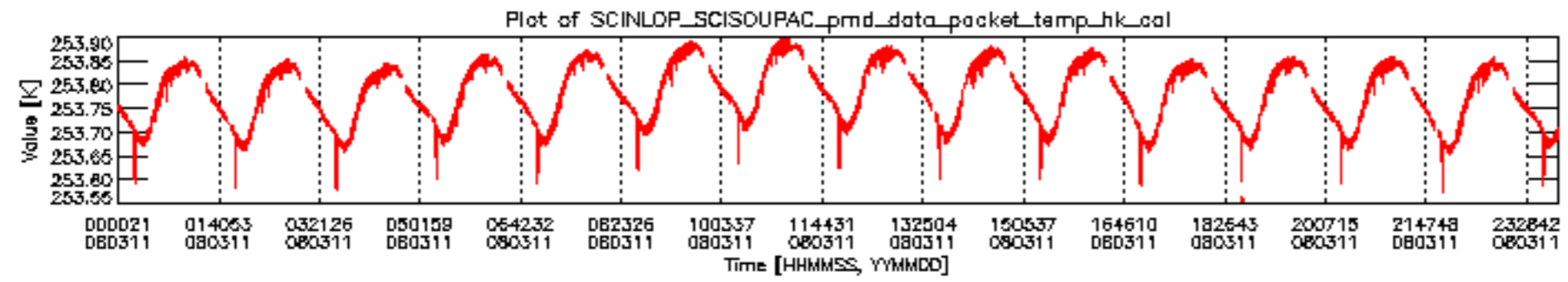
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080311\_8.PNG

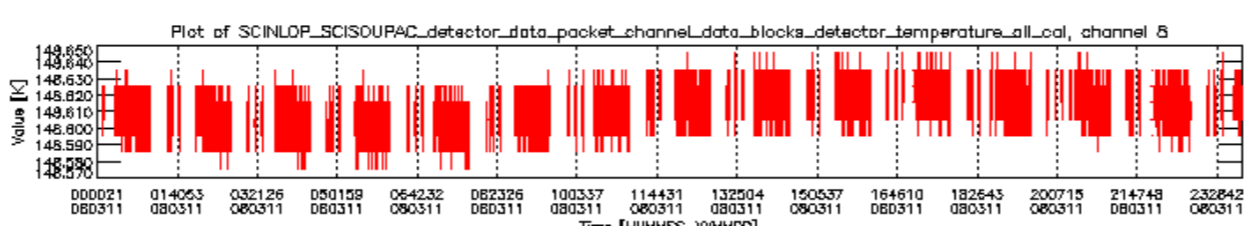
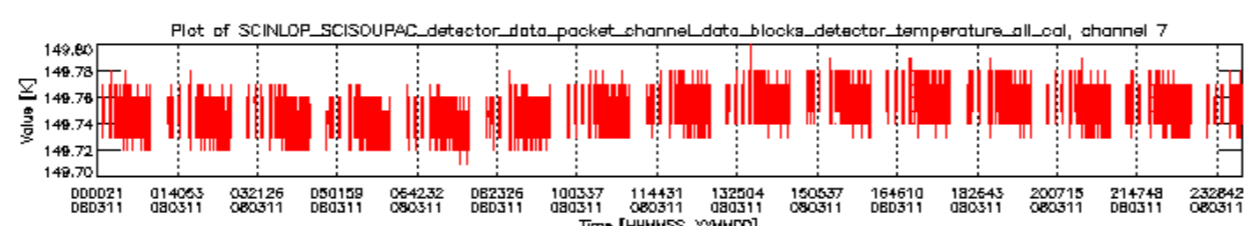
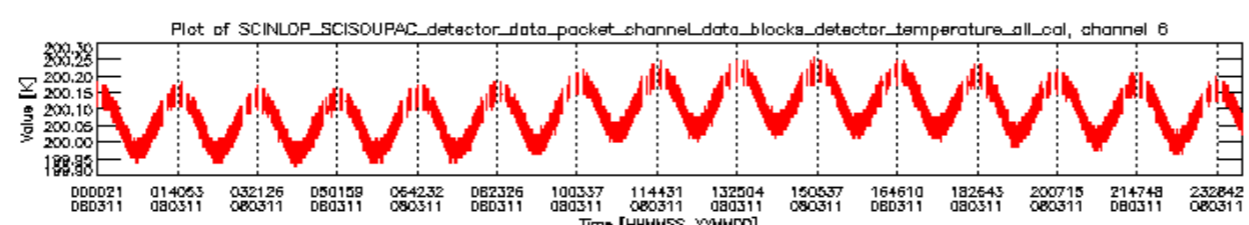
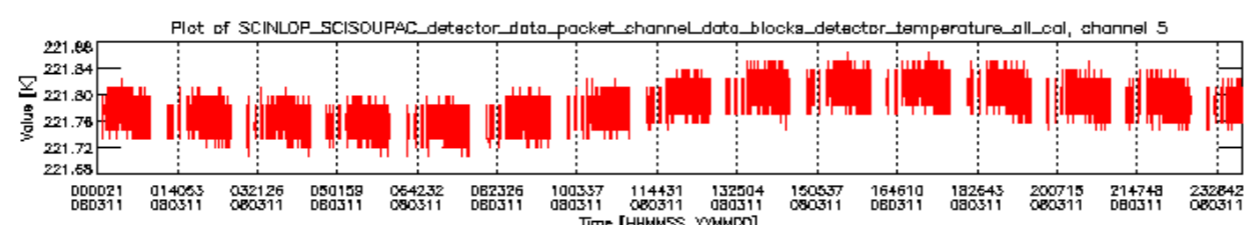
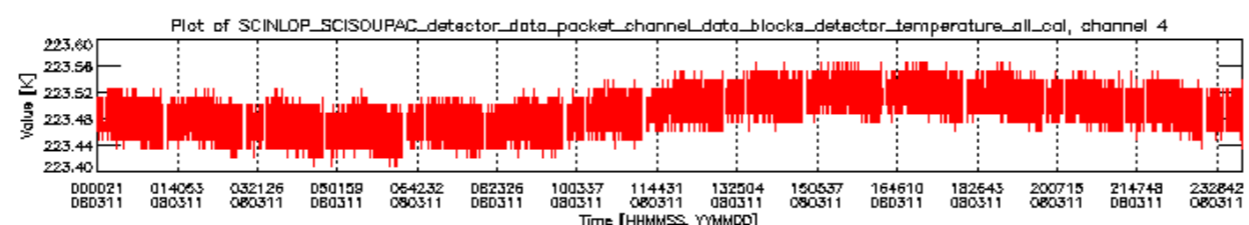
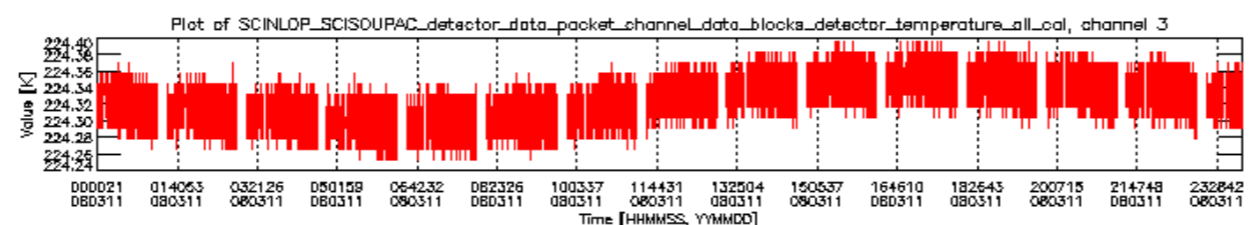
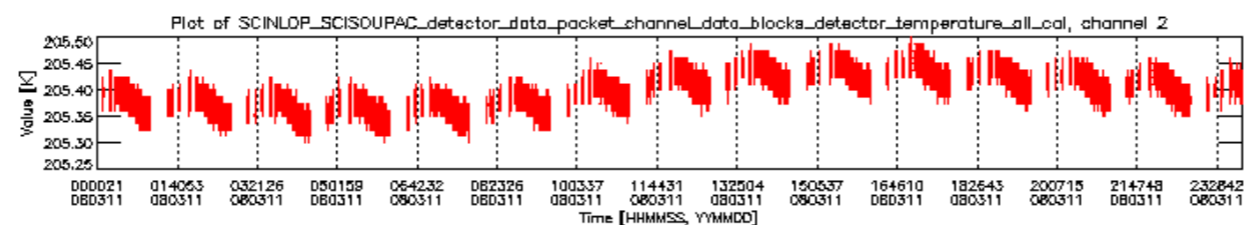
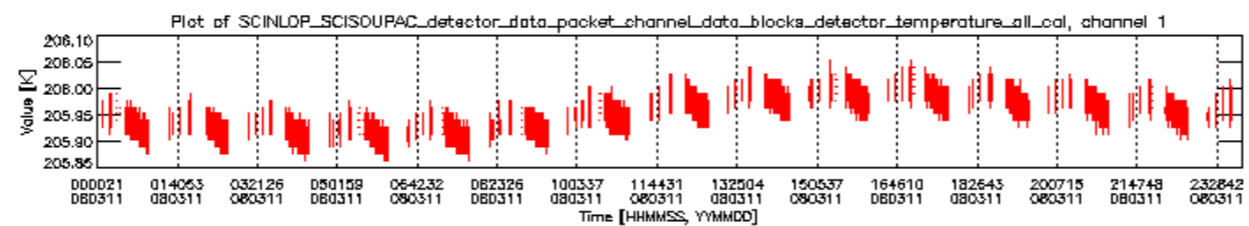


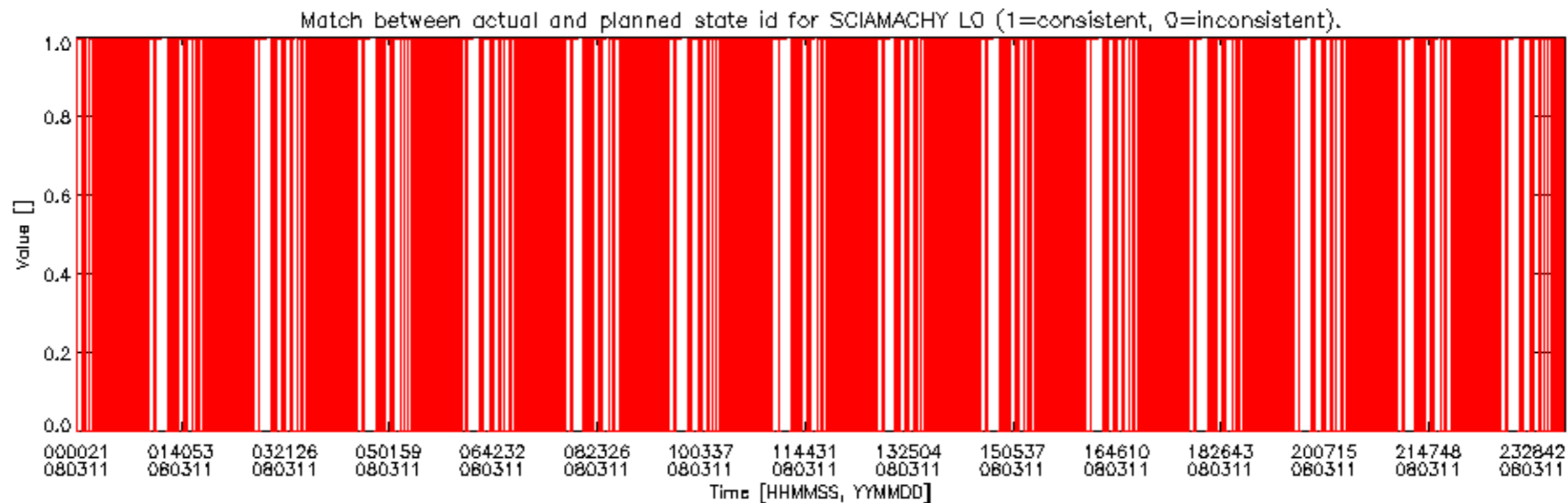
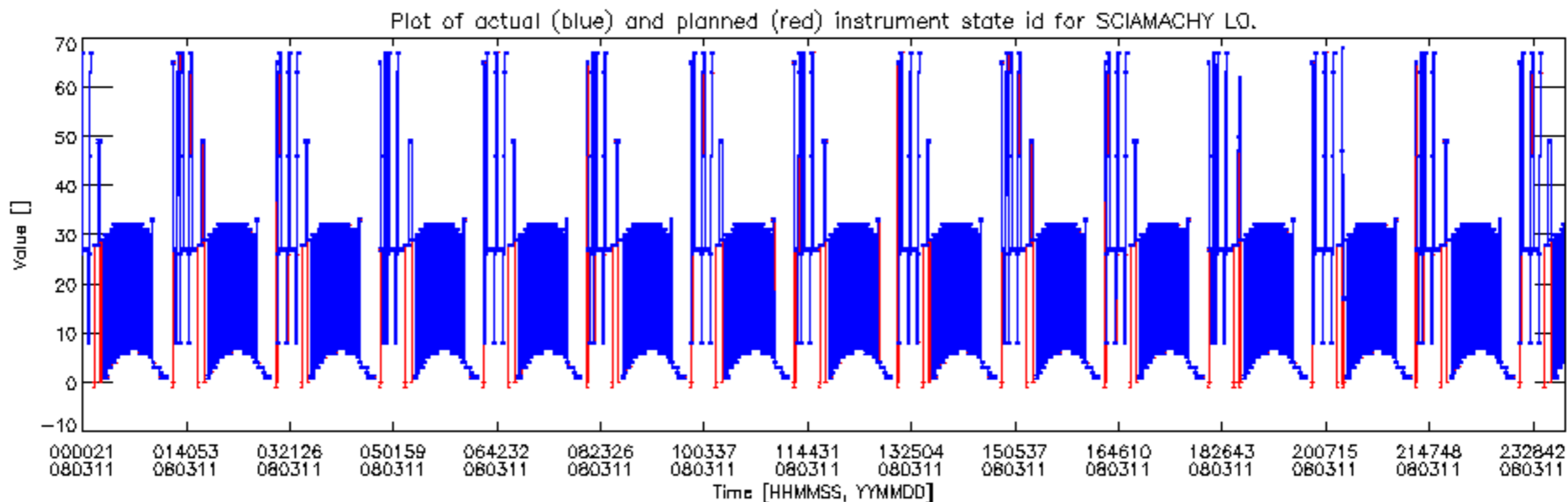












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 11MAR2008.  
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