

# 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	17NOV2006 04:22:31
Data source version	PFHS/5.37-N
Processing scope for products	13NOV2006 00:00:00 to 14NOV2006 00:00:00
Start time of first product within scope	13NOV2006 05:39:10
Stop time of last product within scope	13NOV2006 22:18:15
Total number of level 0 products	10
Number of level 0 products with errors	10

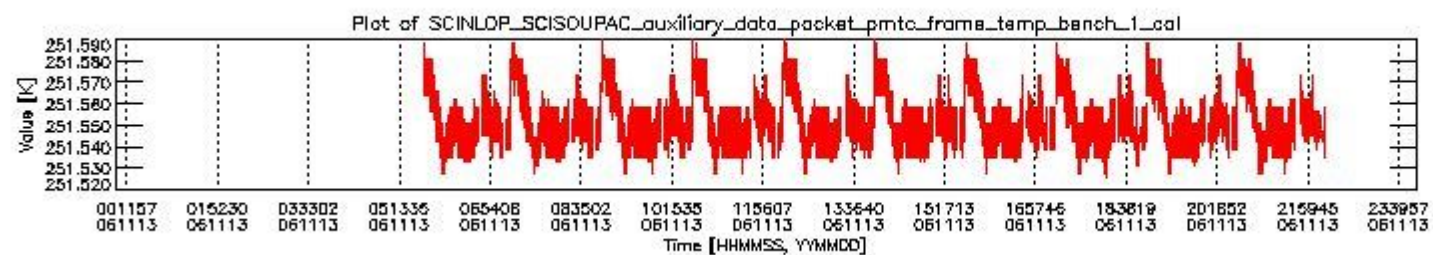
### 0.1.2 Summary per product

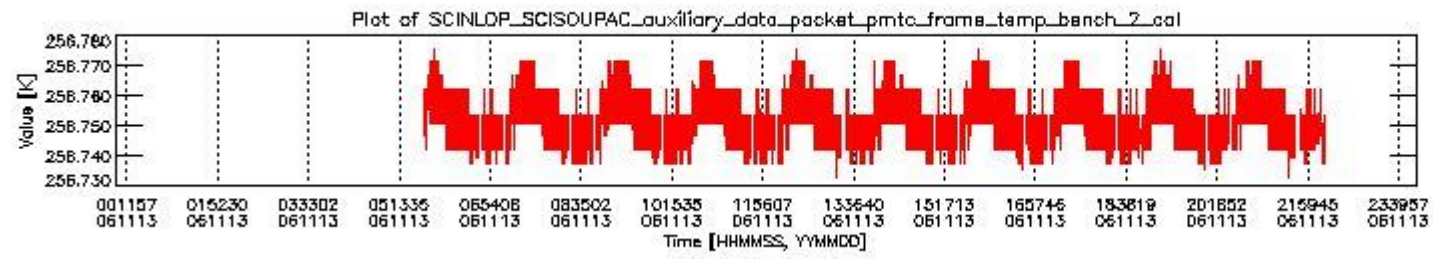
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061113_053910_000062852052_00492_24594_1340.N1	13NOV2006 05:39:10	13NOV2006 07:23:56	1	0	1	0	0
1	SCI_NL__0PNPDK20061113_072247_000061042052_00493_24595_1341.N1	13NOV2006 07:22:47	13NOV2006 09:04:32	1	0	1	0	0
2	SCI_NL__0PNPDK20061113_090336_000059672052_00494_24596_1342.N1	13NOV2006 09:03:36	13NOV2006 10:43:04	1	0	1	0	0
3	SCI_NL__0PNPDK20061113_104155_000060482052_00495_24597_1343.N1	13NOV2006 10:41:55	13NOV2006 12:22:44	1	0	1	0	0
4	SCI_NL__0PNPDK20061113_122135_000060362052_00496_24598_1344.N1	13NOV2006 12:21:35	13NOV2006 14:02:12	1	0	1	0	0
5	SCI_NL__0PNPDK20061113_140116_000057862052_00497_24599_1345.N1	13NOV2006 14:01:16	13NOV2006 15:37:42	1	0	1	0	0
6	SCI_NL__0PNPDK20061113_153742_000059232052_00498_24600_1346.N1	13NOV2006 15:37:42	13NOV2006 17:16:26	1	0	1	0	0
7	SCI_NL__0PNPDK20061113_171530_000060362052_00499_24601_1347.N1	13NOV2006 17:15:30	13NOV2006 18:56:06	1	0	1	0	0
8	SCI_NL__0PNPDK20061113_185511_000057792052_00500_24602_1348.N1	13NOV2006 18:55:11	13NOV2006 20:31:30	1	0	1	0	0
9	SCI_NL__0PNPDK20061113_203130_000064042052_00501_24603_1351.N1	13NOV2006 20:31:30	13NOV2006 22:18:15	1	0	1	0	0

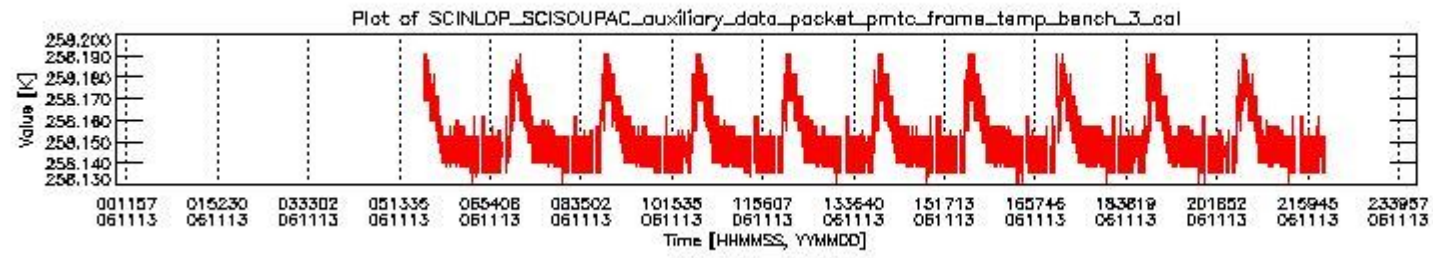
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

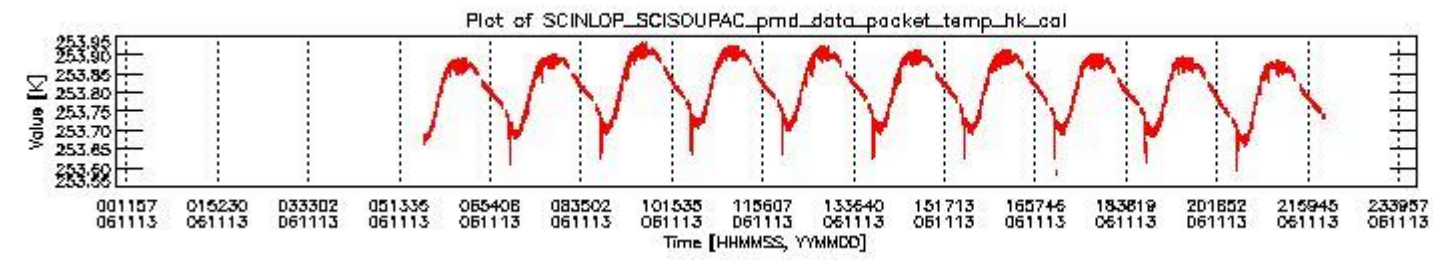




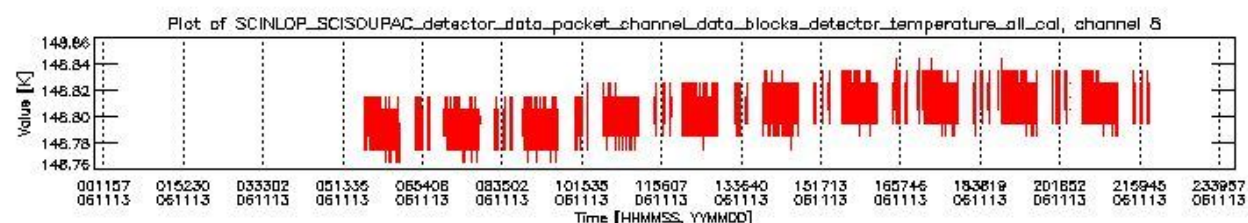
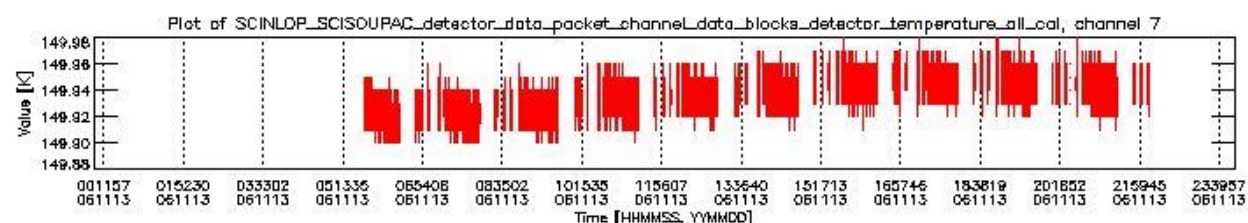
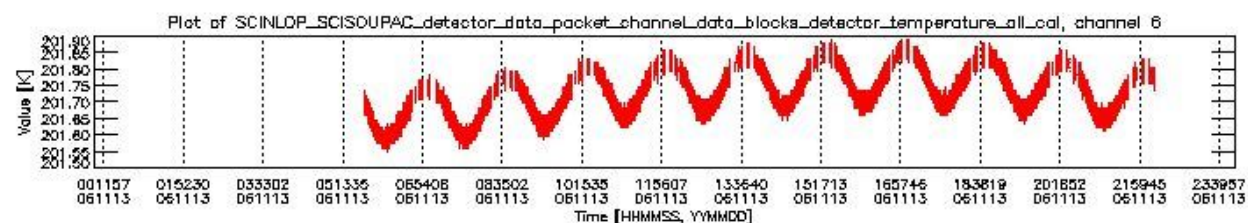
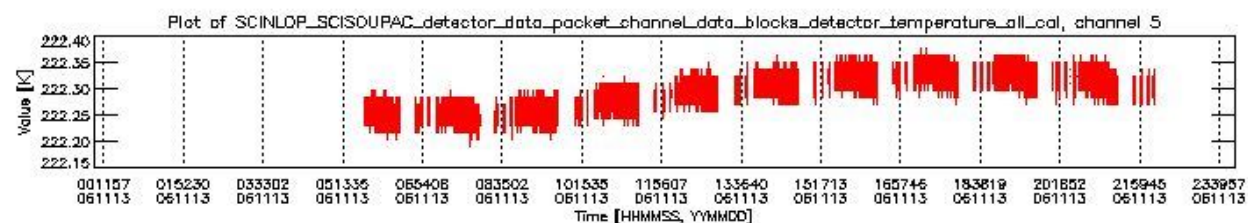
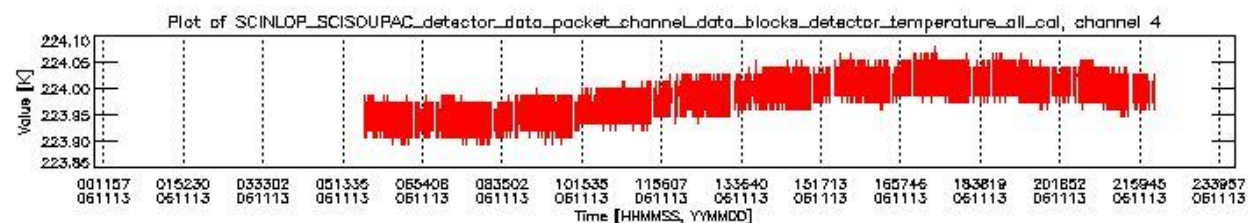
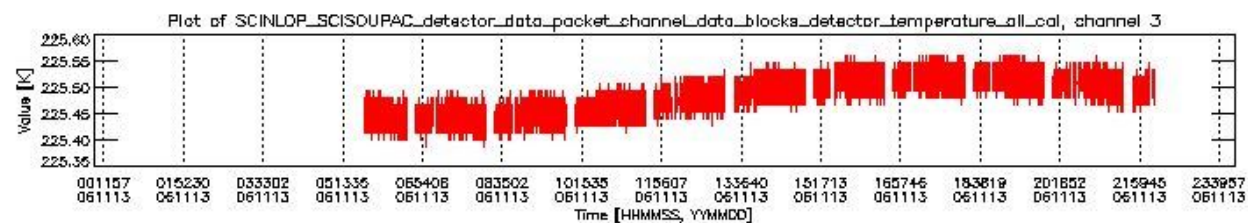
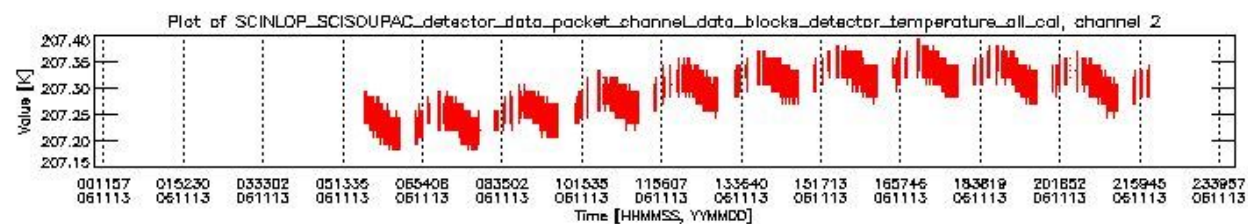
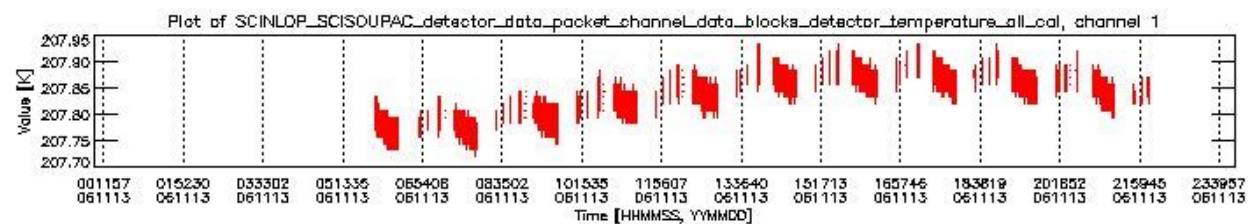
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061113\_1.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061113\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061113\_3.PNG



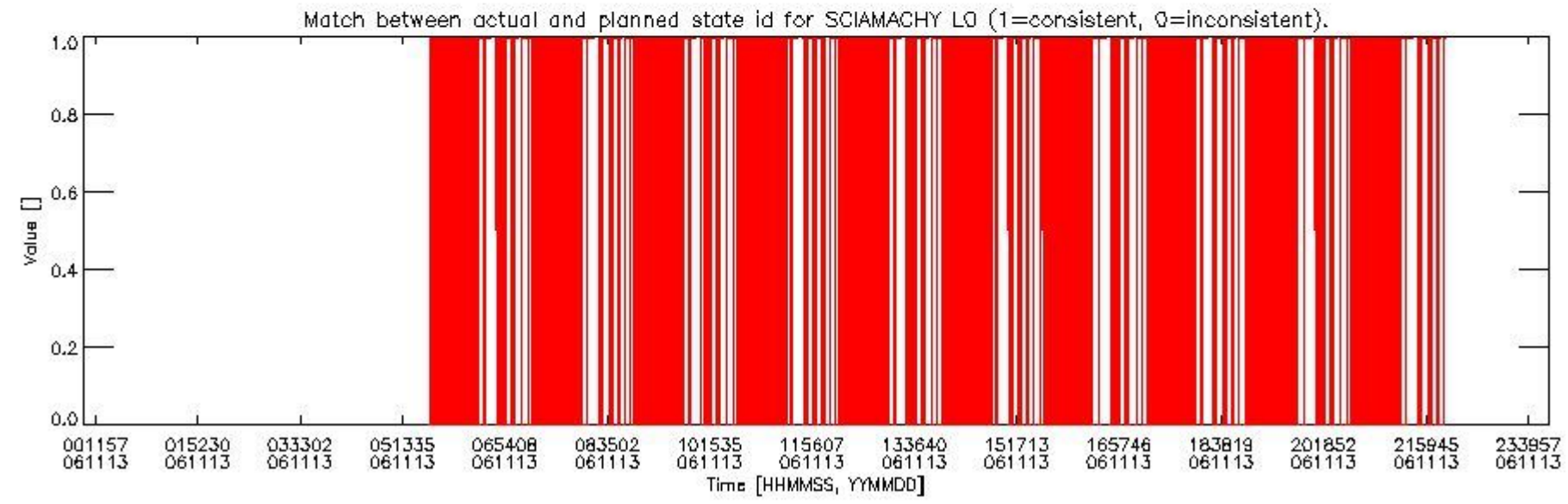
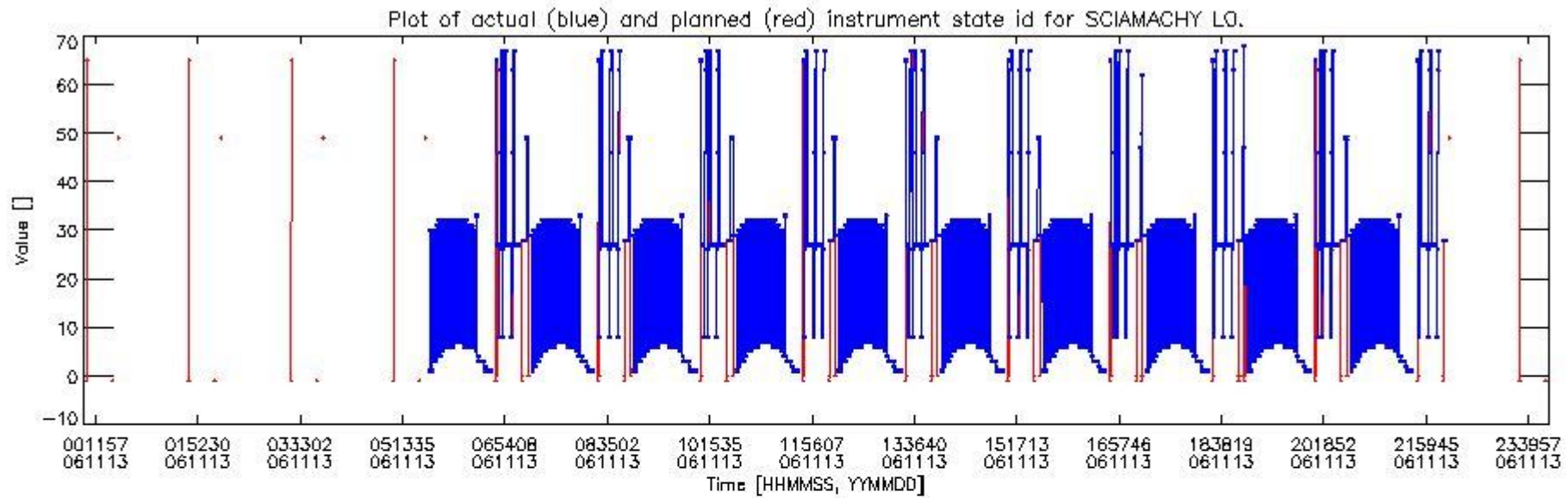


### 0.3 State monitoring

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: **1172**

#	Actual time	Actual value	Planned time	Planned value
0	13NOV2006 05:40:19.537362	30	13NOV2006 05:40:19.537362	1
1	13NOV2006 05:41:15.412336	1	13NOV2006 05:41:15.412336	30
2	13NOV2006 05:41:15.662345	1	13NOV2006 05:41:15.662345	30
3	13NOV2006 05:42:23.967023	30	13NOV2006 05:42:23.967023	1
4	13NOV2006 05:43:19.842037	3	13NOV2006 05:43:19.842037	30
5	13NOV2006 05:43:20.092006	3	13NOV2006 05:43:20.092006	30
6	13NOV2006 05:44:28.396725	30	13NOV2006 05:44:28.396725	3
7	13NOV2006 05:45:24.271698	3	13NOV2006 05:45:24.271698	30
8	13NOV2006 05:45:24.521707	3	13NOV2006 05:45:24.521707	30
9	13NOV2006 05:46:32.826386	31	13NOV2006 05:46:32.826386	3
10	13NOV2006 05:47:28.701400	4	13NOV2006 05:47:28.701400	31
11	13NOV2006 05:47:28.951368	4	13NOV2006 05:47:28.951368	31
12	13NOV2006 05:48:37.256087	32	13NOV2006 05:48:37.256087	4
13	13NOV2006 05:49:33.131061	4	13NOV2006 05:49:33.131061	32
14	13NOV2006 05:49:33.381069	4	13NOV2006 05:49:33.381069	32
15	13NOV2006 05:50:41.689651	32	13NOV2006 05:50:41.689651	4
16	13NOV2006 05:51:37.560762	5	13NOV2006 05:51:37.560762	32
17	13NOV2006 05:51:37.810730	5	13NOV2006 05:51:37.810730	32
18	13NOV2006 05:52:46.119352	32	13NOV2006 05:52:46.119352	5
19	13NOV2006 05:53:41.986520	6	13NOV2006 05:53:41.986520	32
...	...	...	...	...

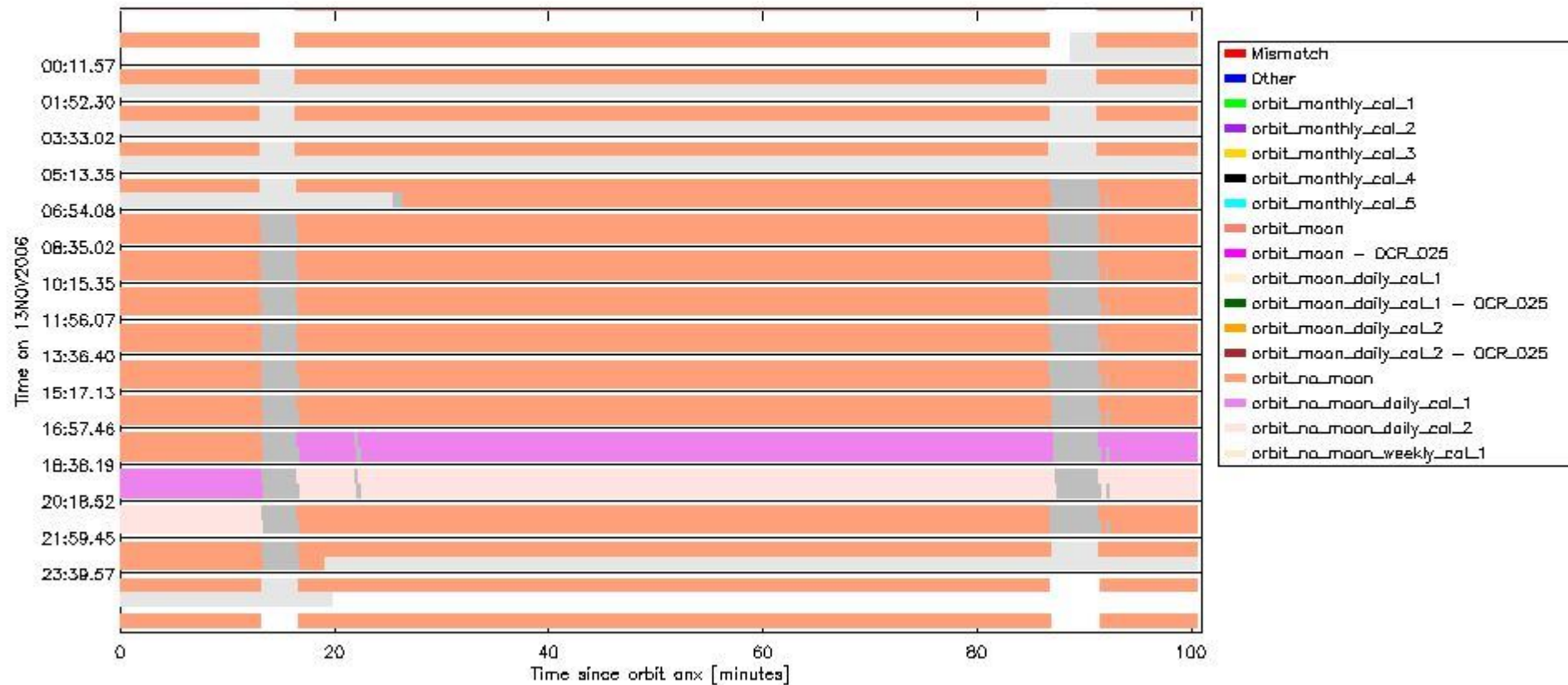


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061113\_5.PNG

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 13NOV2006.  
 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\_PFHS\_5\_37\_N\_20061113\_6.PNG

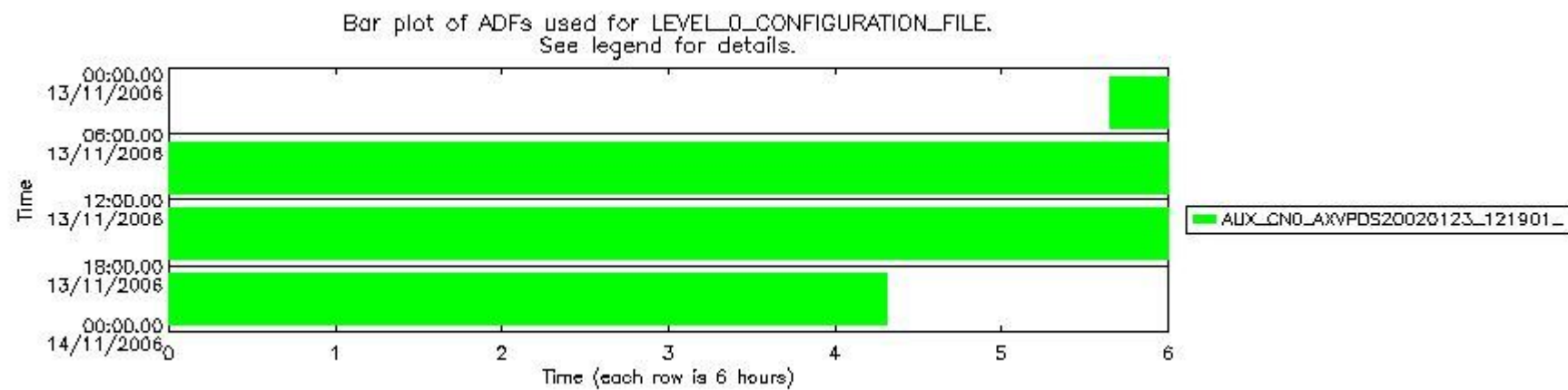
## 0.4 ADF monitoring

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

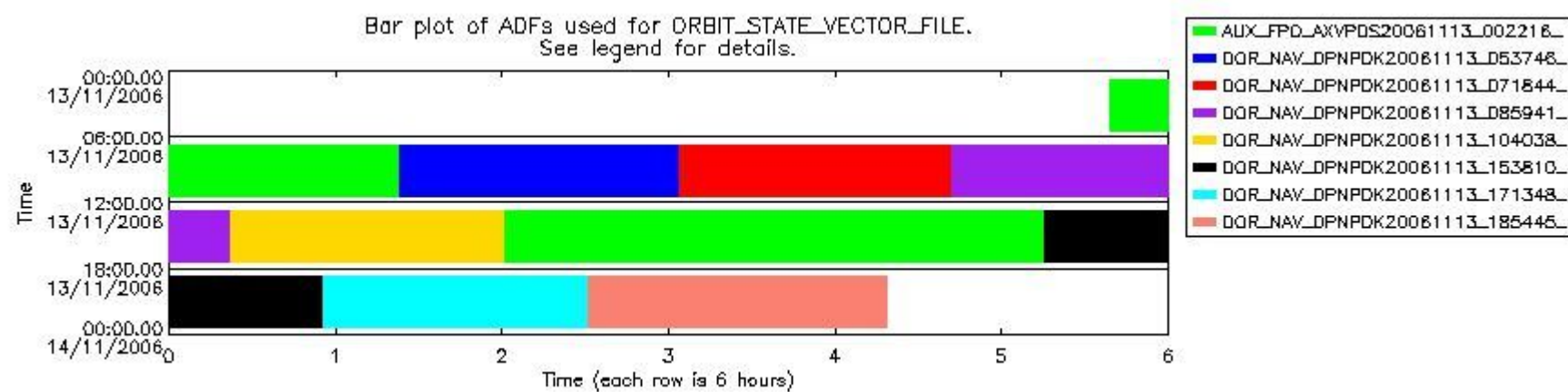
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20061113_002216_20061112_191004_20061122_203618</b>
2	<b>DOR_NAV_OPNPDK20061113_053746_000060572052_00492_24594_1390.N1</b>
3	<b>DOR_NAV_OPNPDK20061113_071844_000057382052_00493_24595_1391.N1</b>
4	<b>DOR_NAV_OPNPDK20061113_085941_000057382052_00494_24596_1392.N1</b>
5	<b>DOR_NAV_OPNPDK20061113_104038_000057382052_00495_24597_1393.N1</b>
6	<b>DOR_NAV_OPNPDK20061113_153810_000054192052_00498_24600_1396.N1</b>
7	<b>DOR_NAV_OPNPDK20061113_171348_000057382052_00499_24601_1397.N1</b>
8	<b>DOR_NAV_OPNPDK20061113_185445_000054192052_00500_24602_1398.N1</b>



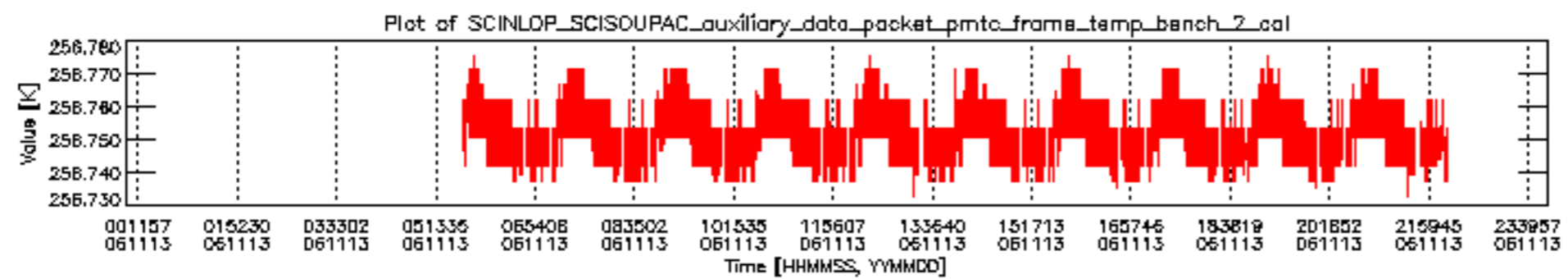
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061113\_7.PNG

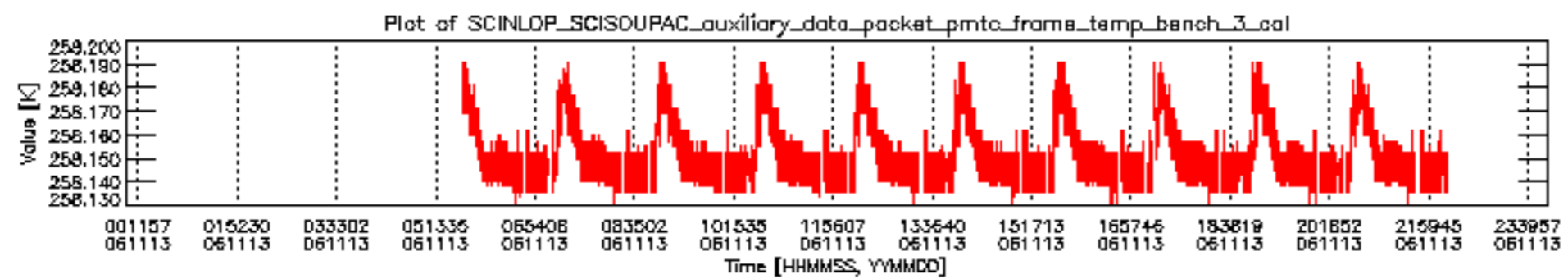


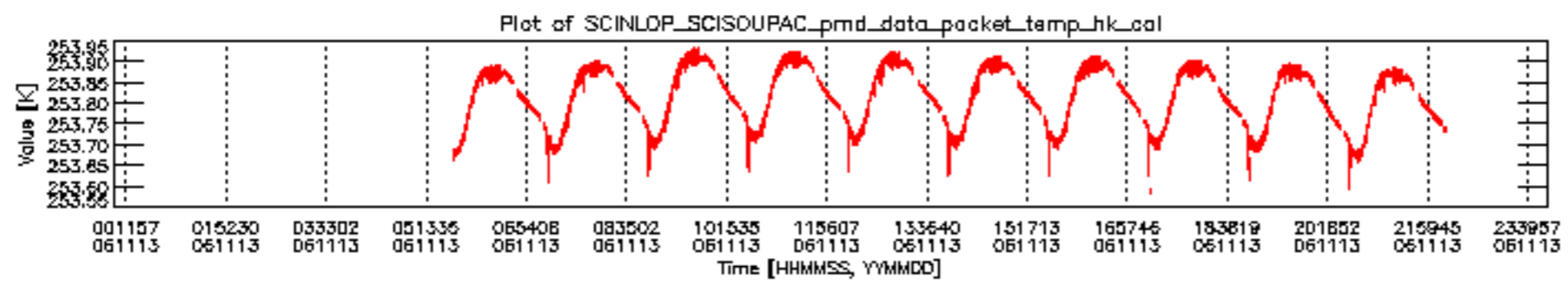
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20061113\_8.PNG

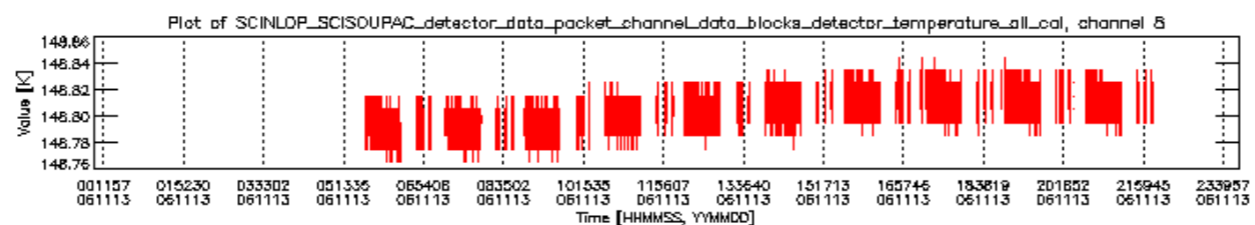
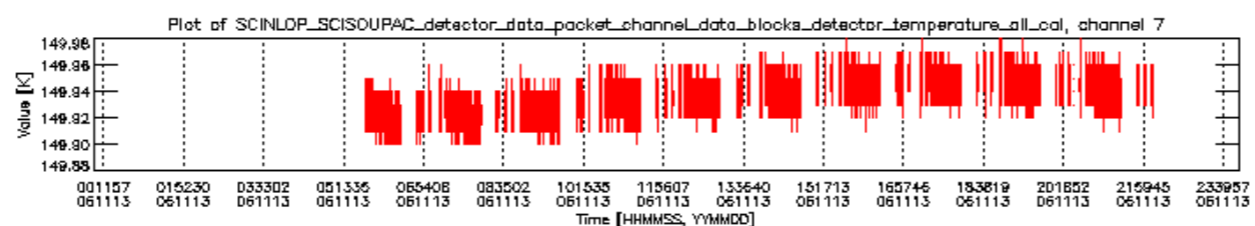
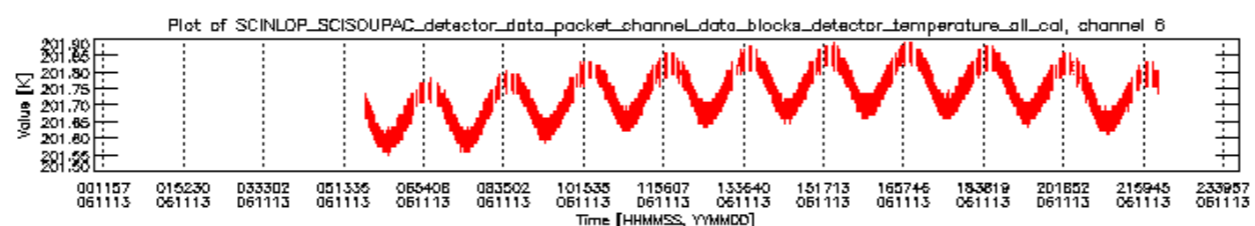
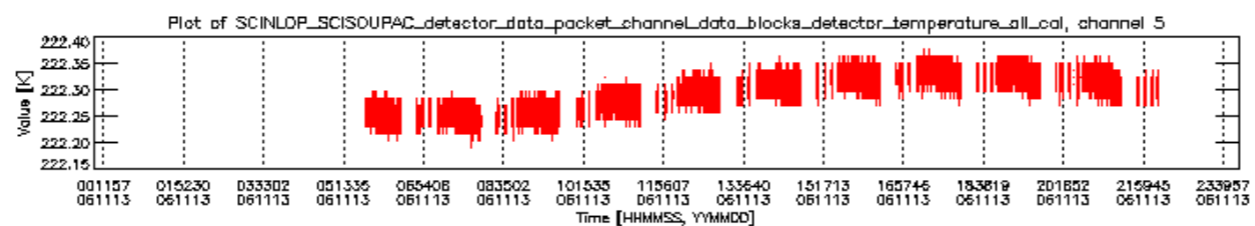
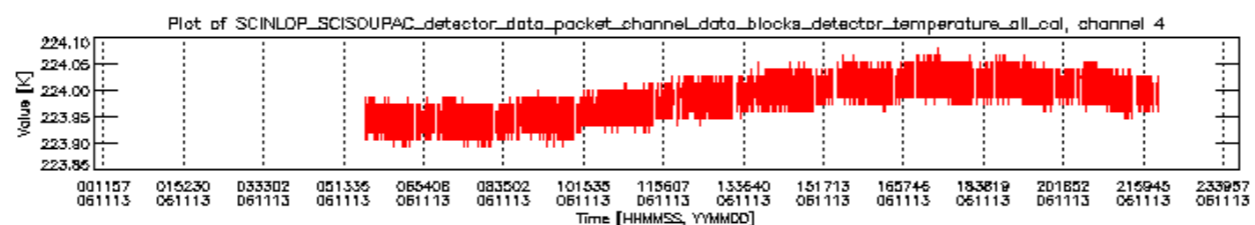
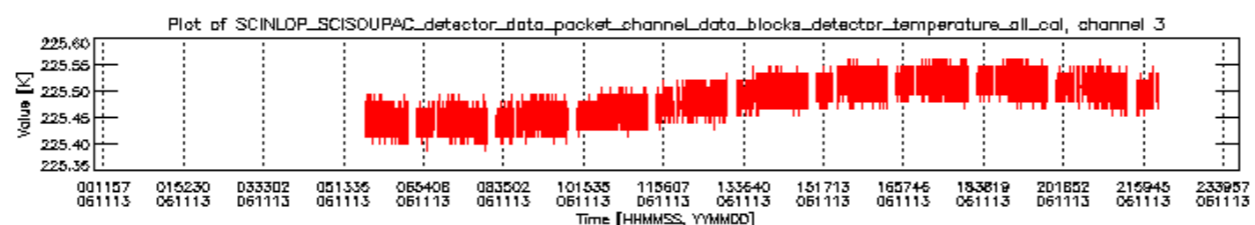
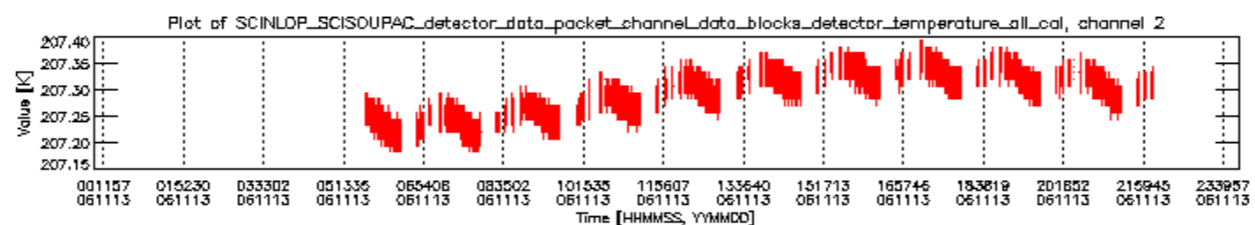
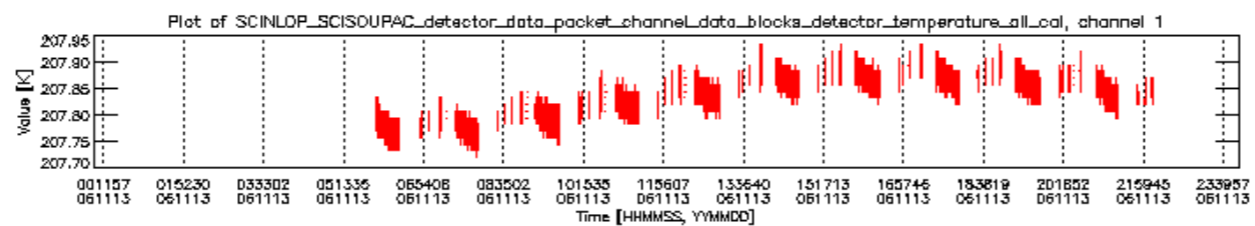




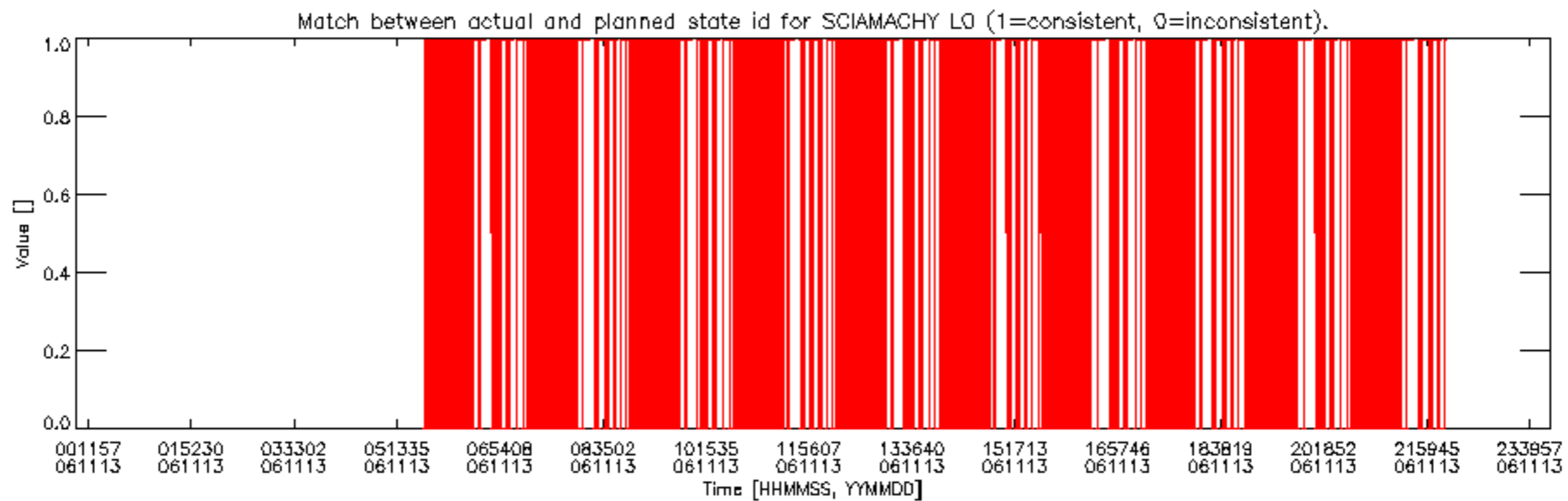
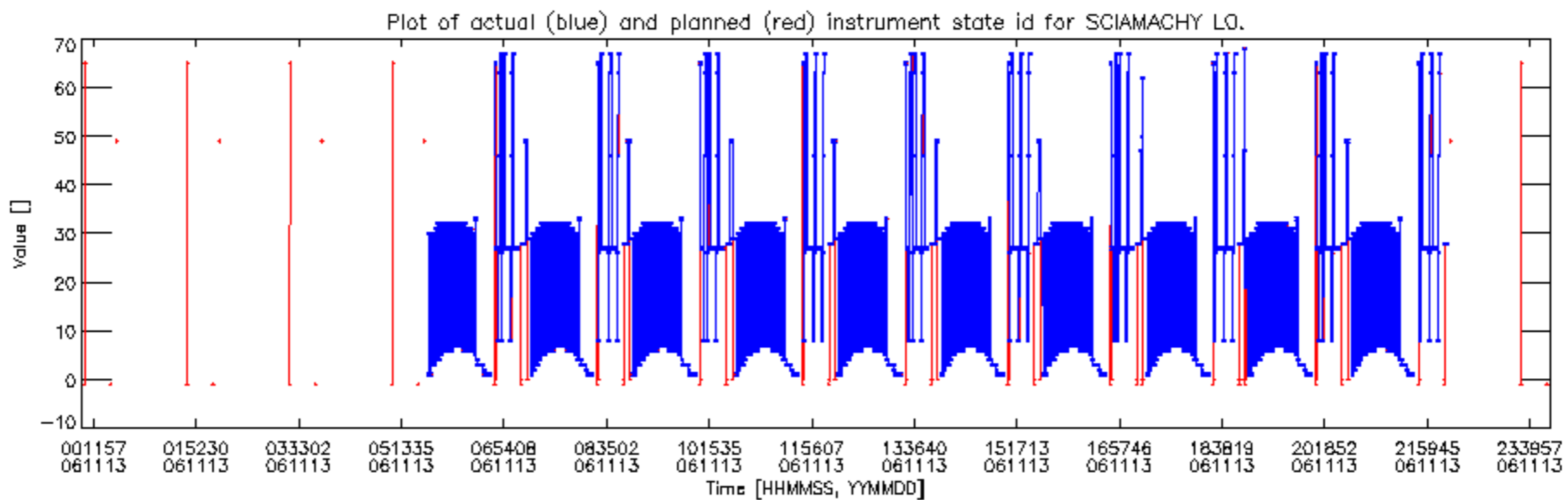












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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