

## 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	10NOV2007 08:12:28
Data source version	KSPT_L0/4302-N
Processing scope for products	06NOV2007 00:00:00 to 07NOV2007 00:00:00
Start time of first product within scope	05NOV2007 23:10:19
Stop time of last product within scope	07NOV2007 00:13:24
Total number of level 0 products	16
Number of level 0 products with errors	0

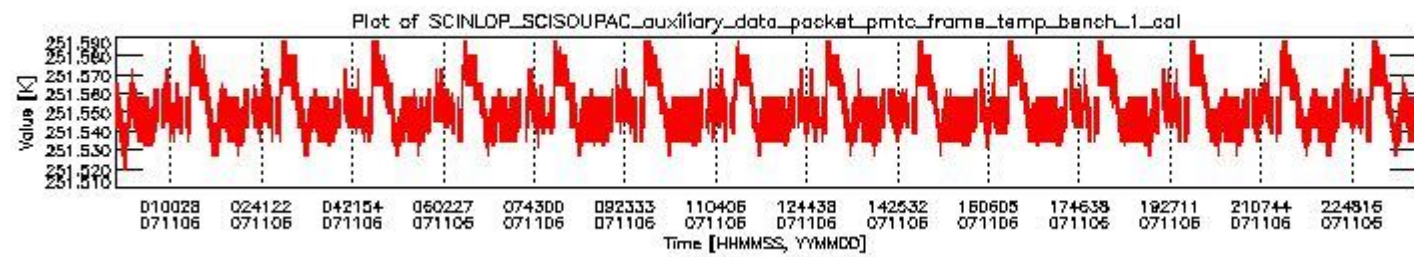
### 0.1.2 Summary per product

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

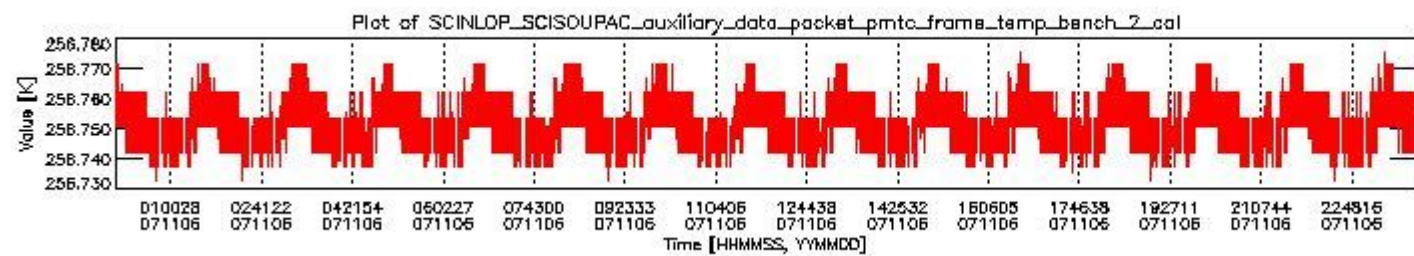
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20071105_231019_000056762063_00101_29714_5518.N1	05NOV2007 23:10:19	06NOV2007 00:44:55	0	0	0	0	0
1	SCI_NL__0PNPDE20071106_005055_000056892063_00102_29715_5519.N1	06NOV2007 00:50:55	06NOV2007 02:25:44	0	0	0	0	0
2	SCI_NL__0PNPDE20071106_022436_000045362063_00103_29716_5520.N1	06NOV2007 02:24:36	06NOV2007 03:40:11	0	0	0	0	0
3	SCI_NL__0PNPDE20071106_034011_000061732063_00104_29717_5521.N1	06NOV2007 03:40:11	06NOV2007 05:23:05	0	0	0	0	0
4	SCI_NL__0PNPDE20071106_052305_000060242063_00105_29718_5522.N1	06NOV2007 05:23:05	06NOV2007 07:03:29	0	0	0	0	0
5	SCI_NL__0PNPDK20071106_070233_000040452063_00106_29719_6556.N1	06NOV2007 07:02:33	06NOV2007 08:09:58	0	0	0	0	0
6	SCI_NL__0PNPDK20071106_080754_000062172063_00107_29720_6557.N1	06NOV2007 08:07:54	06NOV2007 09:51:30	0	0	0	0	0
7	SCI_NL__0PNPDK20071106_094926_000061052063_00108_29721_6558.N1	06NOV2007 09:49:26	06NOV2007 11:31:11	0	0	0	0	0
8	SCI_NL__0PNPDK20071106_113015_000060242063_00109_29722_6559.N1	06NOV2007 11:30:15	06NOV2007 13:10:38	0	0	0	0	0
9	SCI_NL__0PNPDK20071106_130942_000059802063_00110_29723_6560.N1	06NOV2007 13:09:42	06NOV2007 14:49:23	0	0	0	0	0
10	SCI_NL__0PNPDK20071106_144731_000058982063_00111_29724_6561.N1	06NOV2007 14:47:31	06NOV2007 16:25:50	0	0	0	0	0
11	SCI_NL__0PNPDK20071106_162550_000058122063_00112_29725_6562.N1	06NOV2007 16:25:50	06NOV2007 18:02:41	0	0	0	0	0
12	SCI_NL__0PNPDK20071106_180241_000060922063_00113_29726_6563.N1	06NOV2007 18:02:41	06NOV2007 19:44:14	0	0	0	0	0
13	SCI_NL__0PNPDE20071106_194318_000040852063_00114_29727_5523.N1	06NOV2007 19:43:18	06NOV2007 20:51:23	0	0	0	0	0
14	SCI_NL__0PNPDE20071106_205014_000061662063_00114_29727_5524.N1	06NOV2007 20:50:14	06NOV2007 22:33:00	0	0	0	0	0
15	SCI_NL__0PNPDE20071106_223848_000056762063_00115_29728_5525.N1	06NOV2007 22:38:48	07NOV2007 00:13:24	0	0	0	0	0

## 0.2 Product Quality Indicators

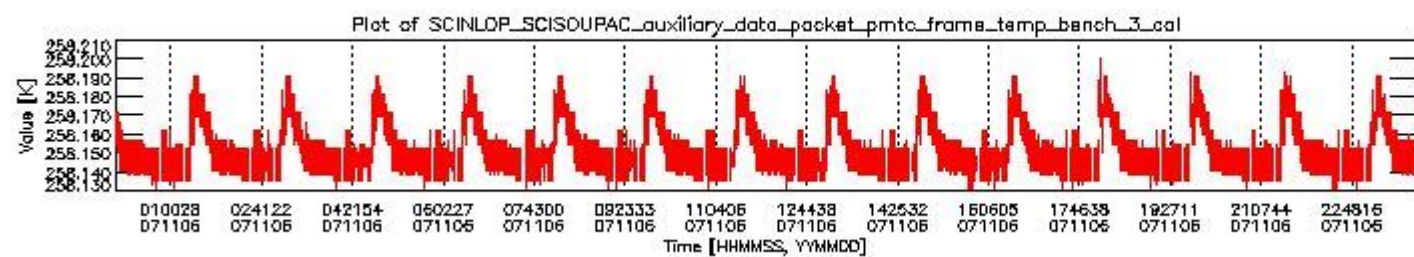
This section shows information about product quality, currently temperatures.



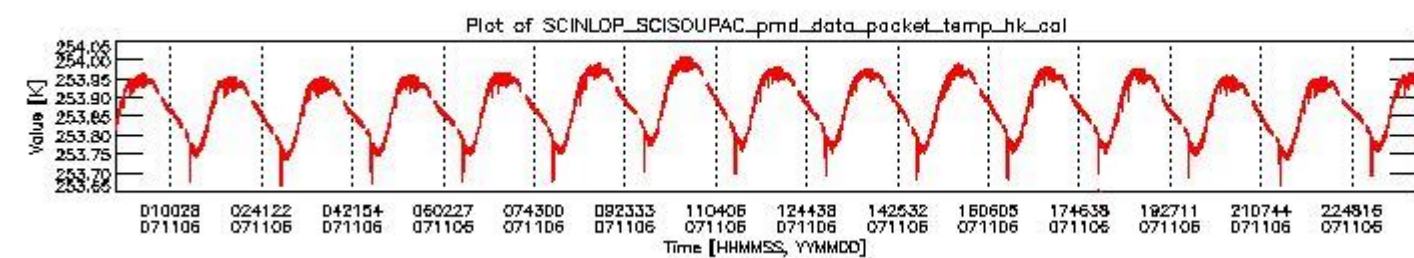
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071106\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071106\_1.PNG

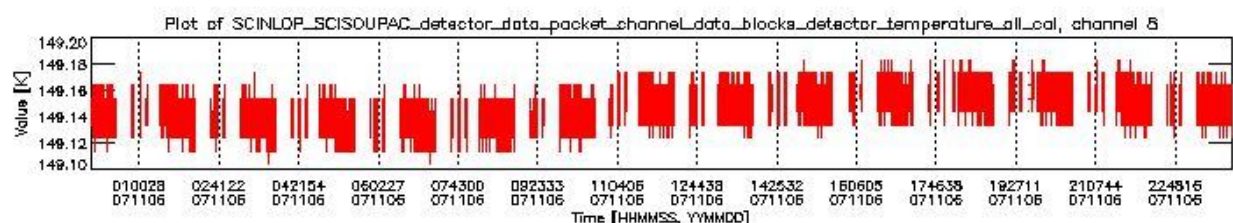
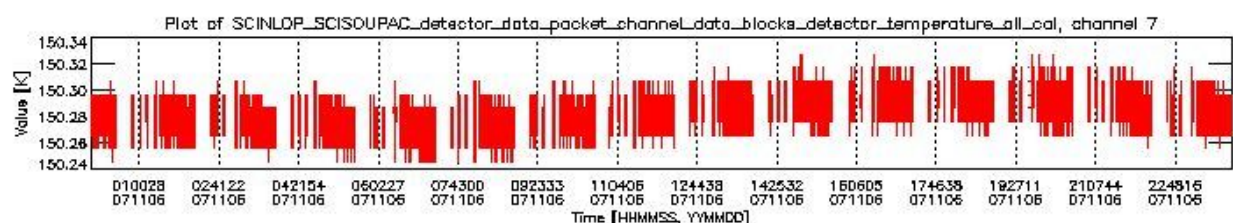
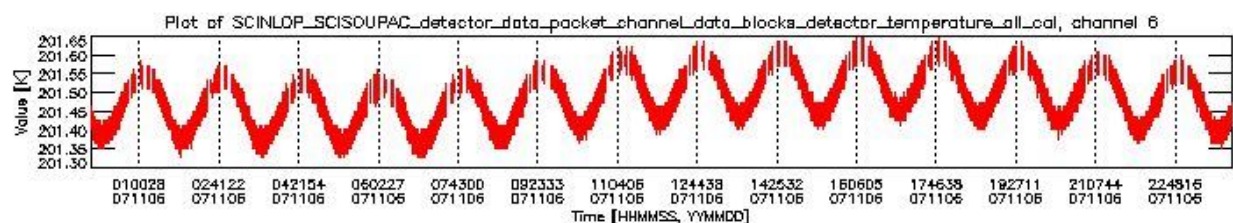
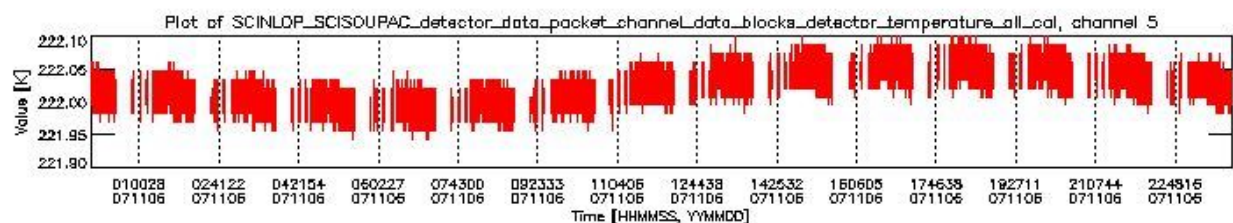
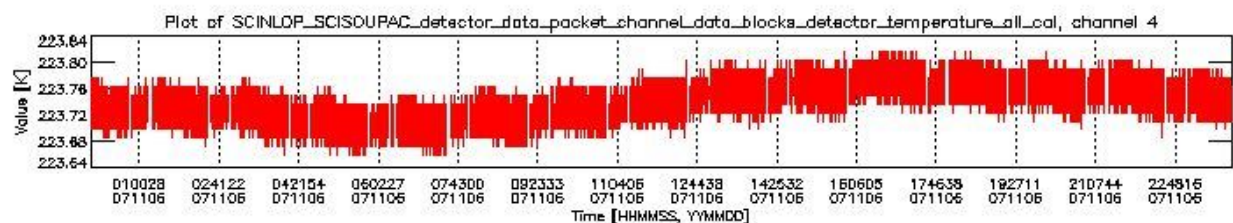
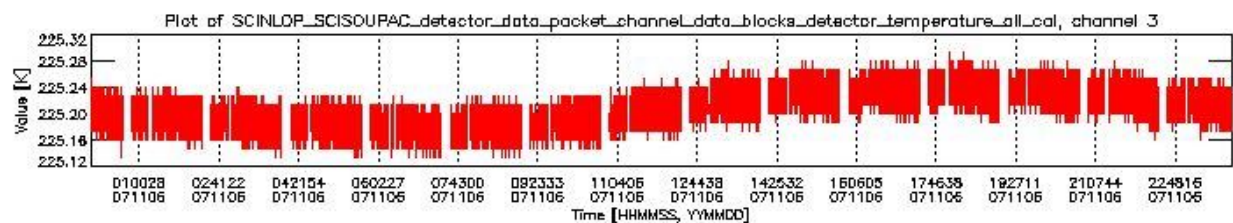
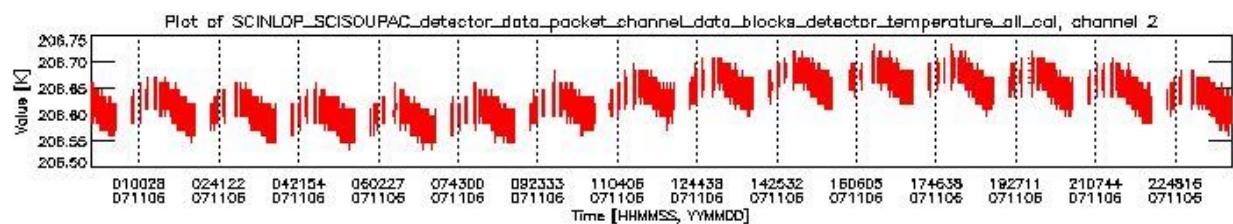
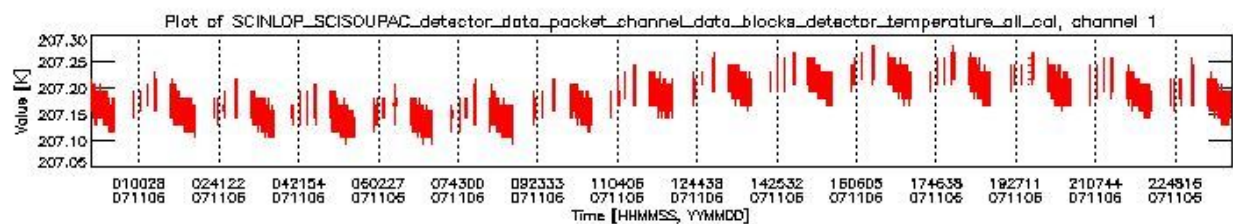


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071106\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071106\_3.PNG



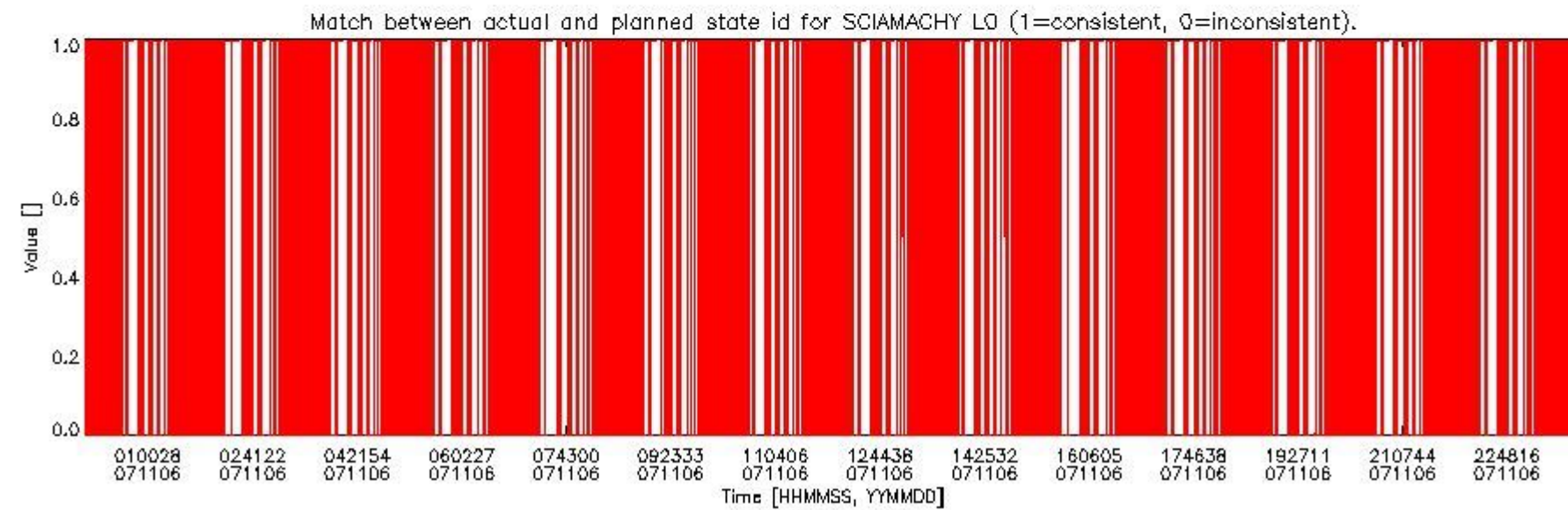
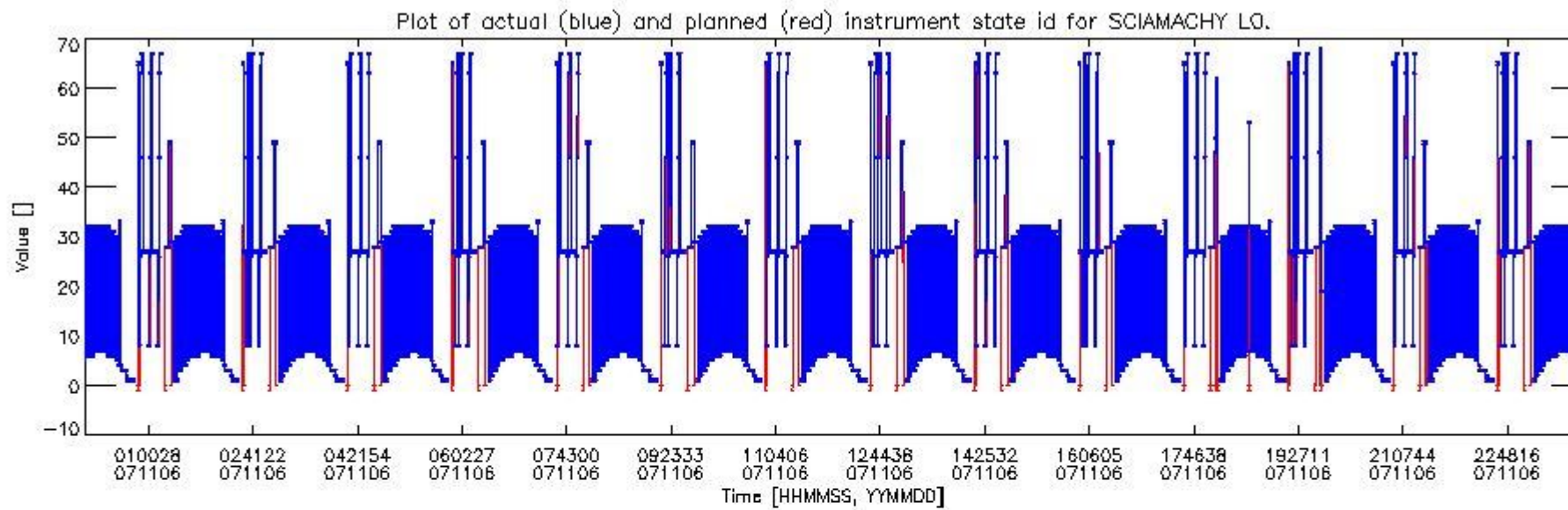


### 0.3 State monitoring

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: **34196**

#	Actual time	Actual value	Planned time	Planned value
0	06NOV2007 00:00:19.427897	6	06NOV2007 00:00:19.427897	32
1	06NOV2007 00:00:19.802910	6	06NOV2007 00:00:19.802910	32
2	06NOV2007 00:00:20.052919	6	06NOV2007 00:00:20.052919	32
3	06NOV2007 00:00:20.302887	6	06NOV2007 00:00:20.302887	32
4	06NOV2007 00:00:20.552896	6	06NOV2007 00:00:20.552896	32
5	06NOV2007 00:00:20.802905	6	06NOV2007 00:00:20.802905	32
6	06NOV2007 00:00:21.052913	6	06NOV2007 00:00:21.052913	32
7	06NOV2007 00:00:21.302882	6	06NOV2007 00:00:21.302882	32
8	06NOV2007 00:00:21.552891	6	06NOV2007 00:00:21.552891	32
9	06NOV2007 00:00:21.802899	6	06NOV2007 00:00:21.802899	32
10	06NOV2007 00:00:22.052908	6	06NOV2007 00:00:22.052908	32
11	06NOV2007 00:00:22.302917	6	06NOV2007 00:00:22.302917	32
12	06NOV2007 00:00:22.552885	6	06NOV2007 00:00:22.552885	32
13	06NOV2007 00:00:22.802894	6	06NOV2007 00:00:22.802894	32
14	06NOV2007 00:00:23.052903	6	06NOV2007 00:00:23.052903	32
15	06NOV2007 00:00:23.302911	6	06NOV2007 00:00:23.302911	32
16	06NOV2007 00:00:23.552920	6	06NOV2007 00:00:23.552920	32
17	06NOV2007 00:00:23.802888	6	06NOV2007 00:00:23.802888	32
18	06NOV2007 00:00:24.052897	6	06NOV2007 00:00:24.052897	32
19	06NOV2007 00:00:24.302906	6	06NOV2007 00:00:24.302906	32
	...	...	...	...



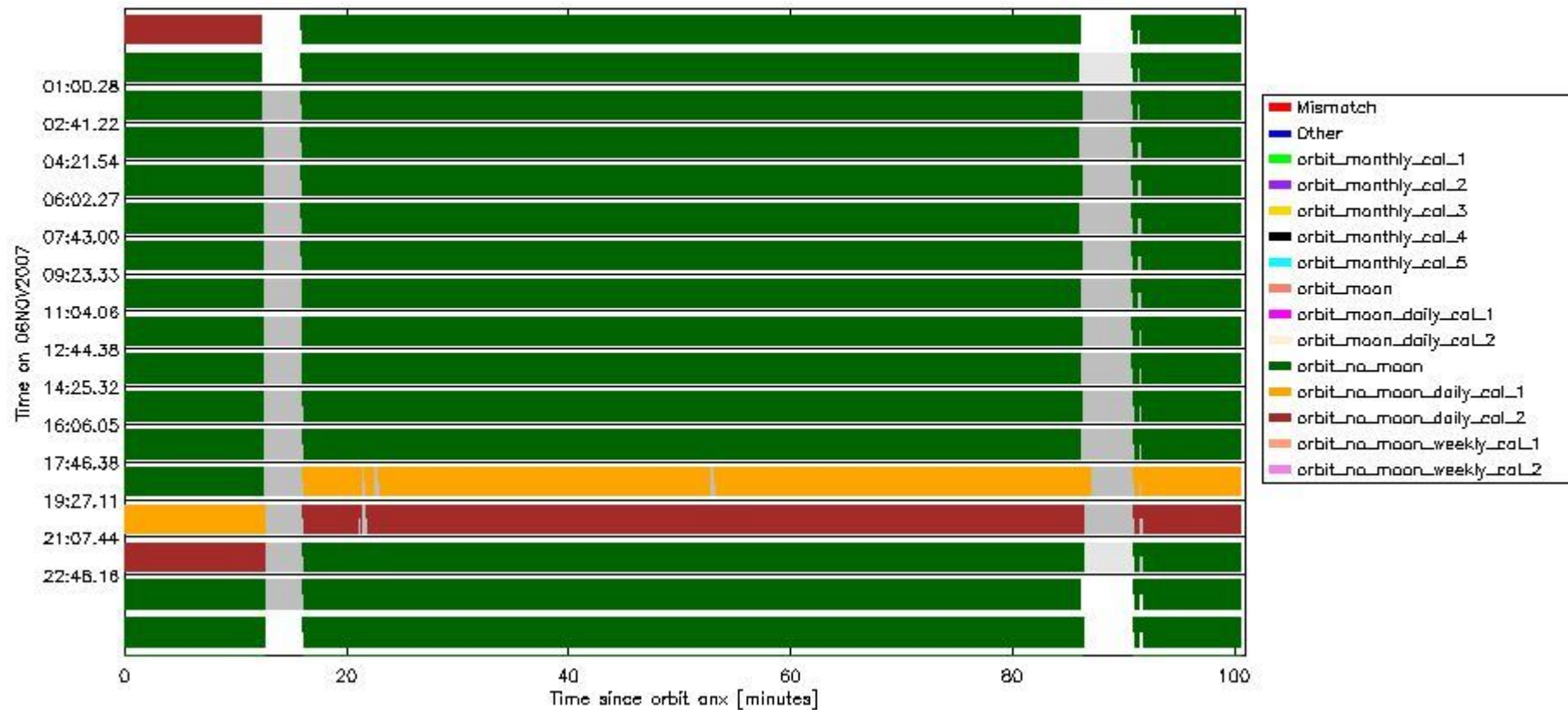
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071106\_5.PNG

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 06NOV2007.  
 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\_4302\_N\_20071106\_6.PNG

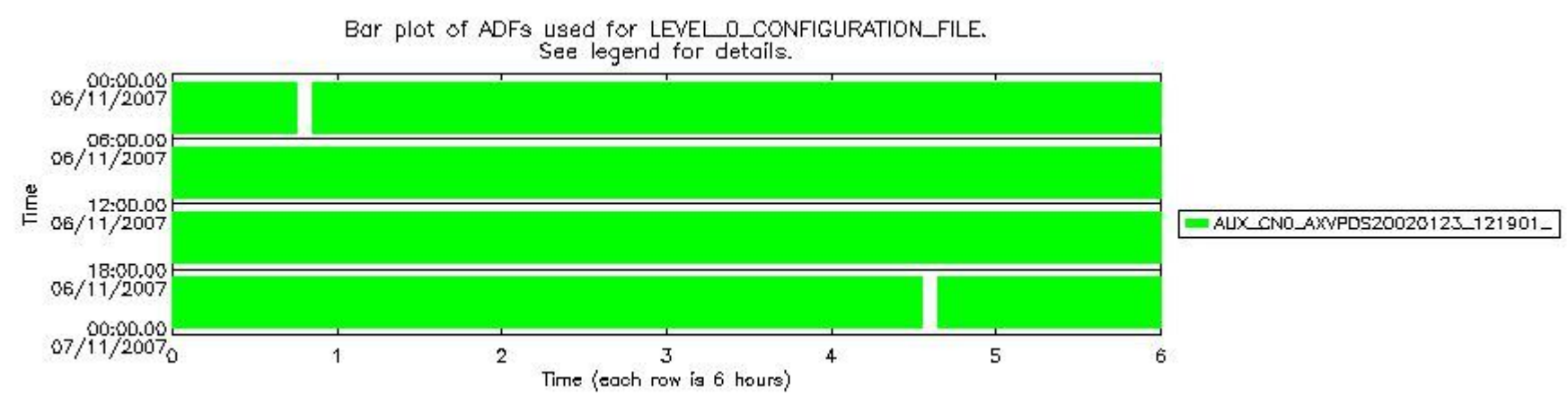
## 0.4 ADF monitoring

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

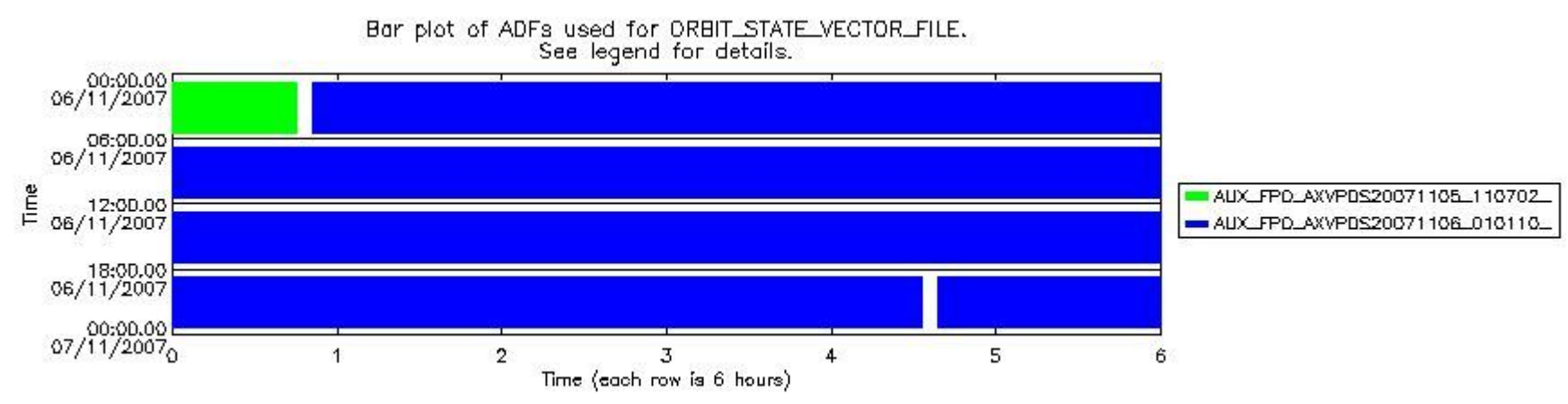
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

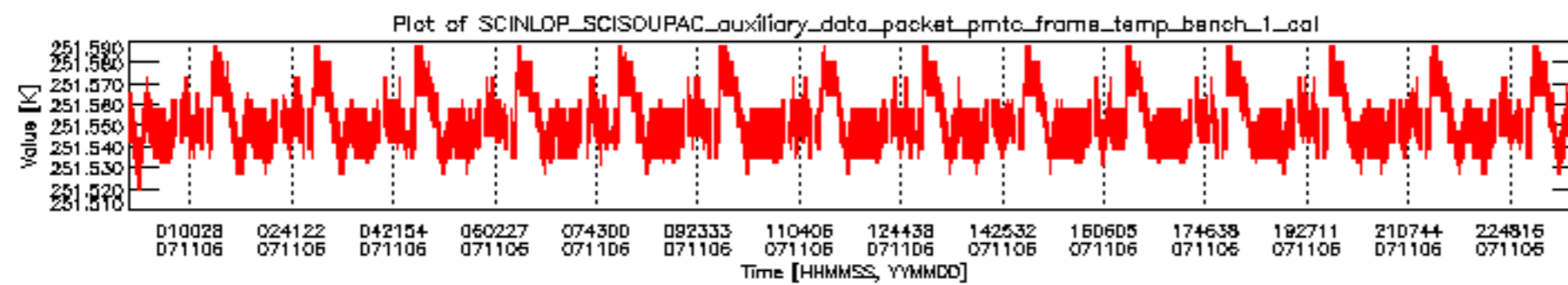
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20071105_110702_20071104_184950_20071114_201603
2	AUX_FPO_AXVPDS20071106_010110_20071105_195849_20071115_212501



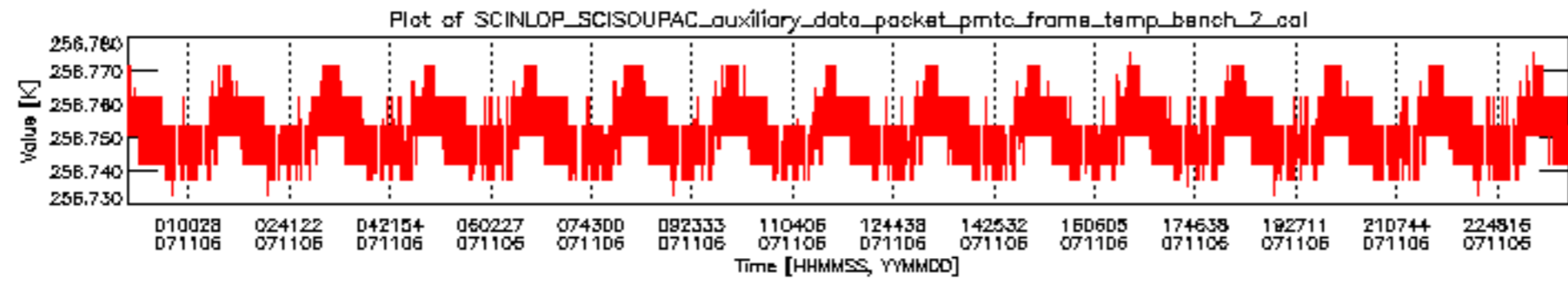
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071106\_7.PNG

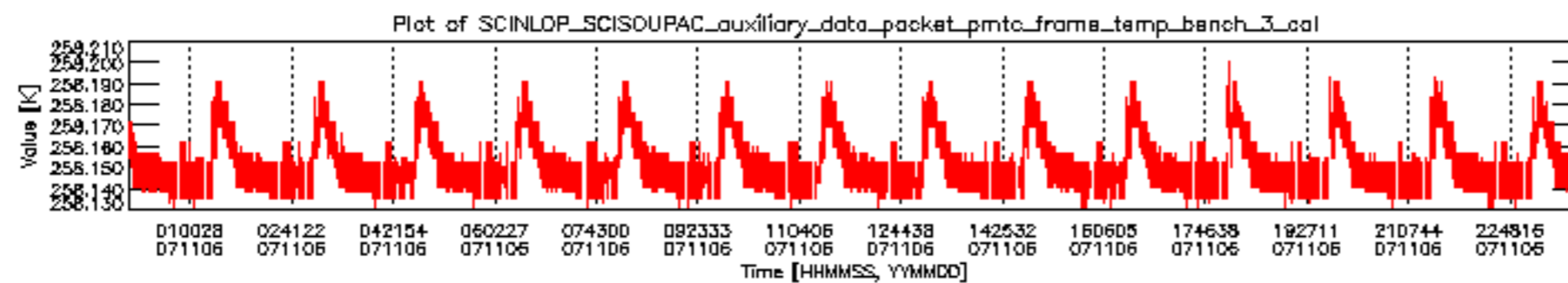


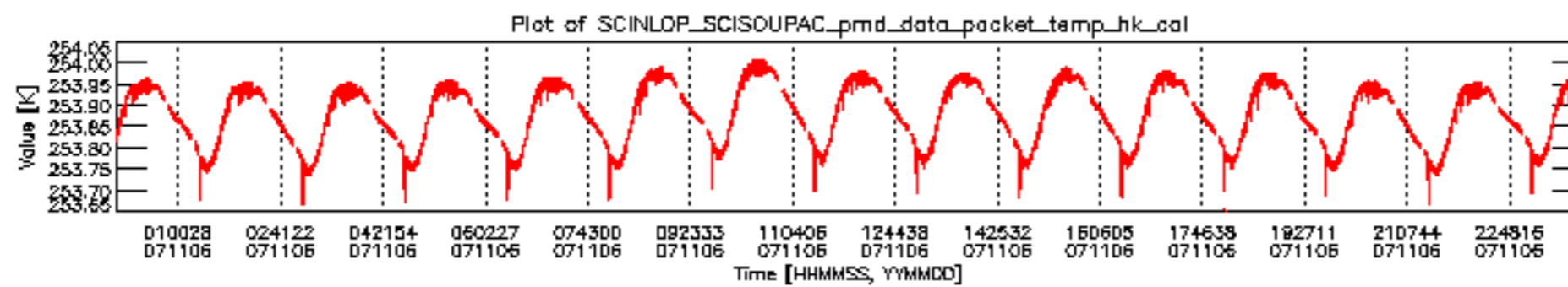
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4302\_N\_20071106\_8.PNG

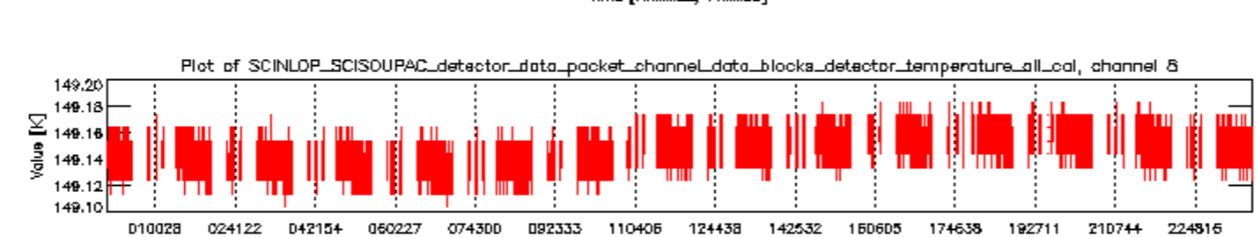
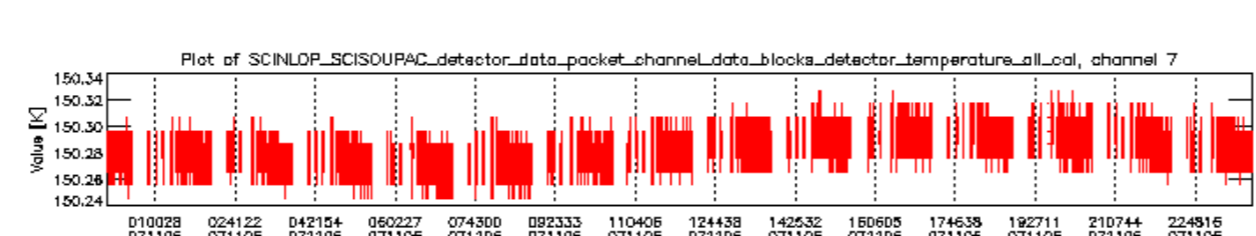
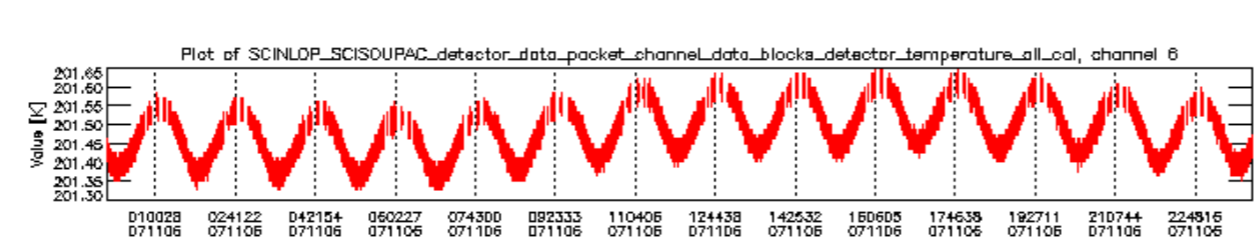
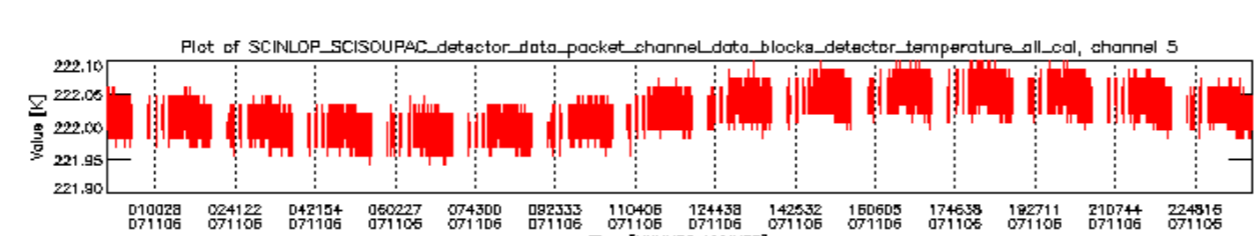
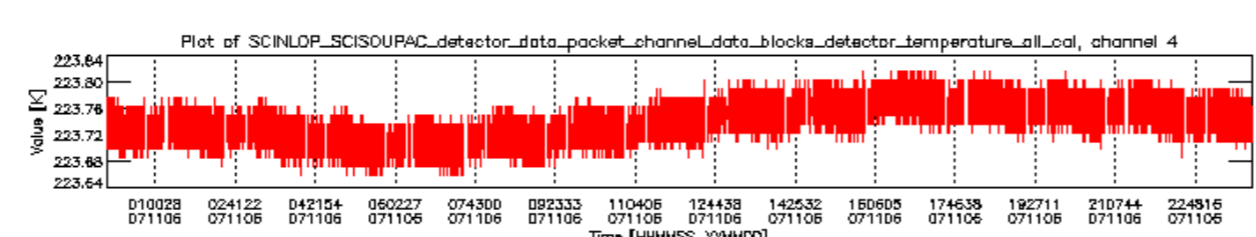
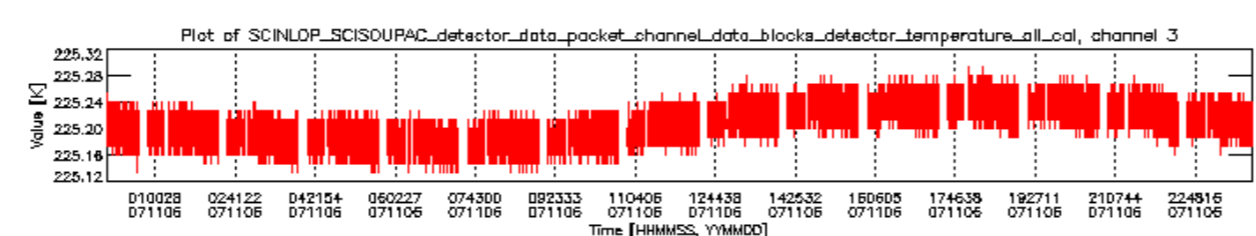
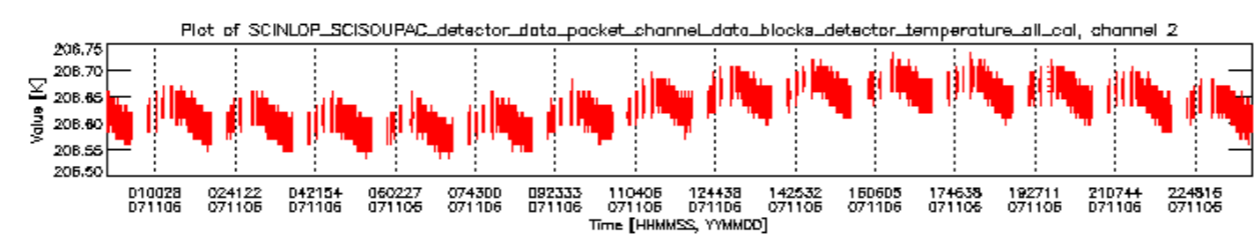
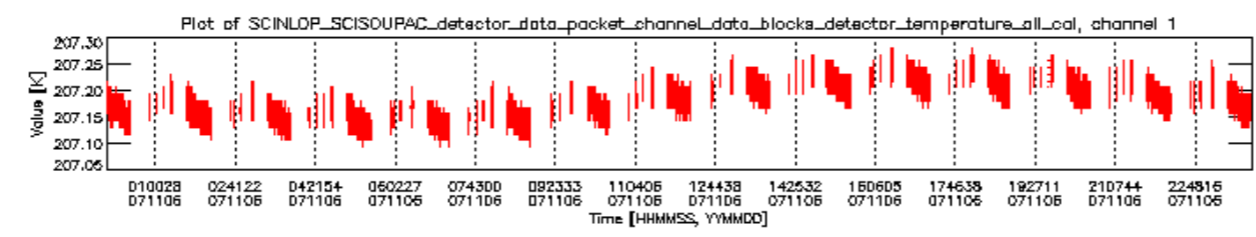




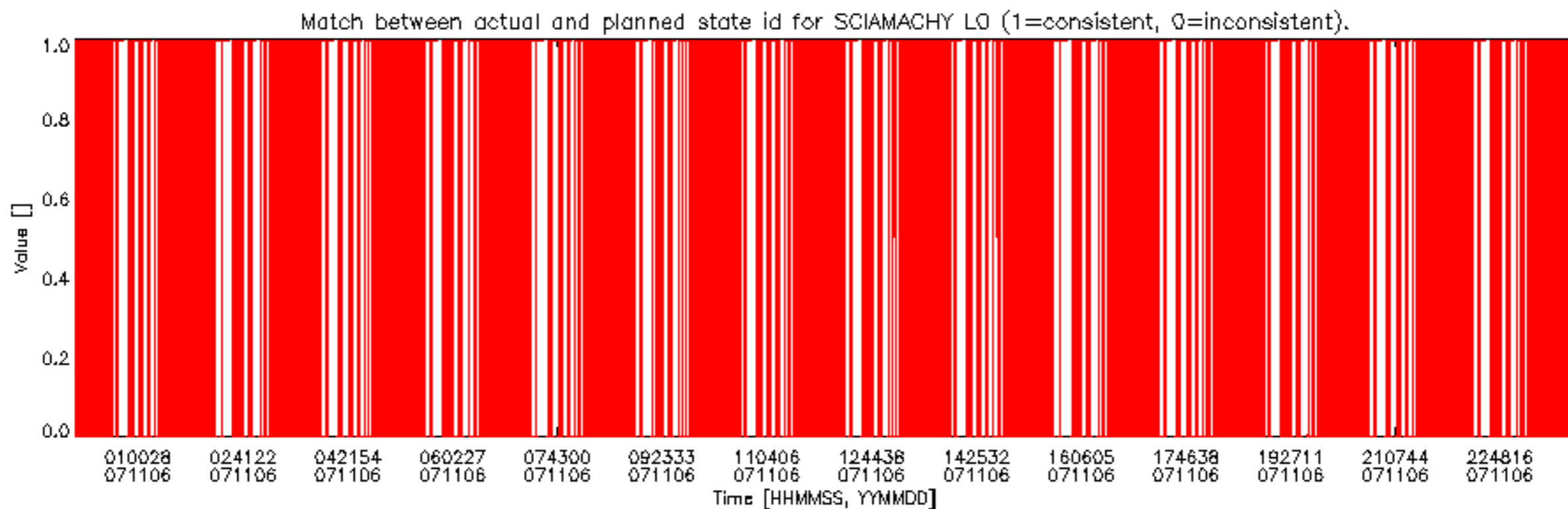
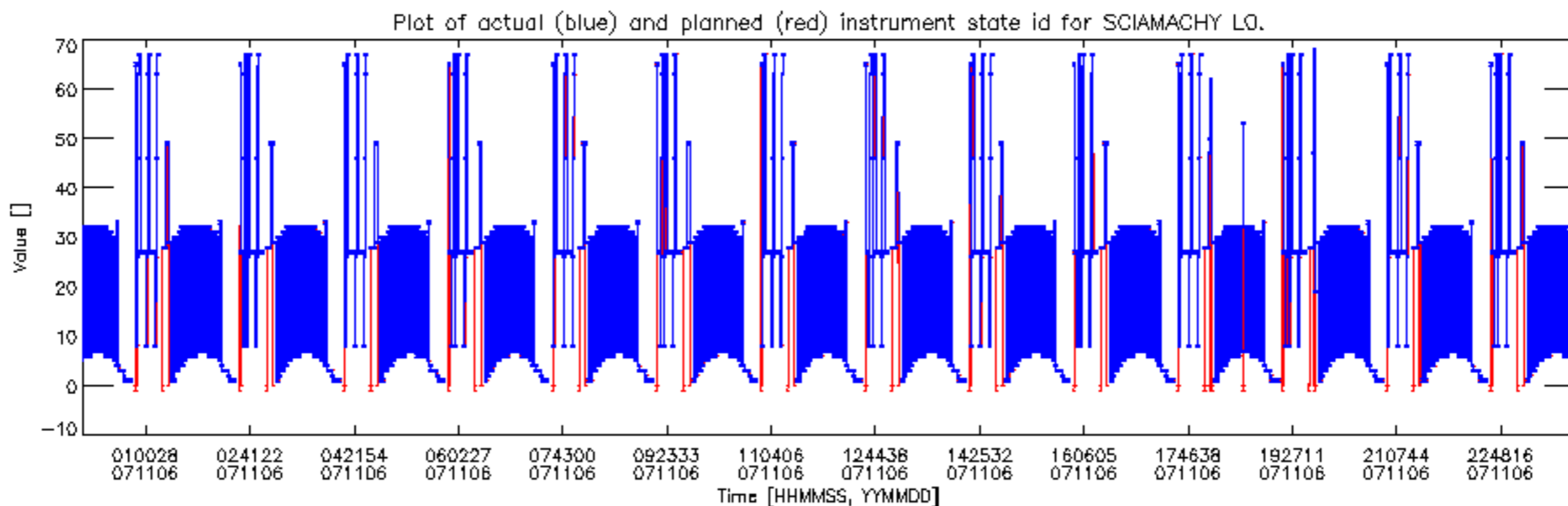












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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