

## 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	v1.4 20100407
Time of report generation	14OCT2010 10:11:16
Data source version	<Any version>
Processing scope for products	07OCT2010 00:00:00 to 08OCT2010 00:00:00
Start time of first product within scope	07OCT2010 00:45:16
Stop time of last product within scope	08OCT2010 00:13:46
Total number of Level 0 products	15
Number of Level 0 products with errors	0

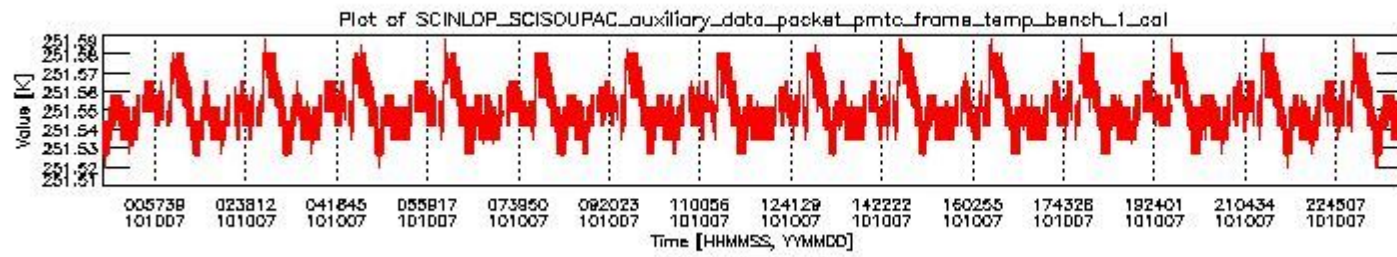
### 0.1.2 Summary per product

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

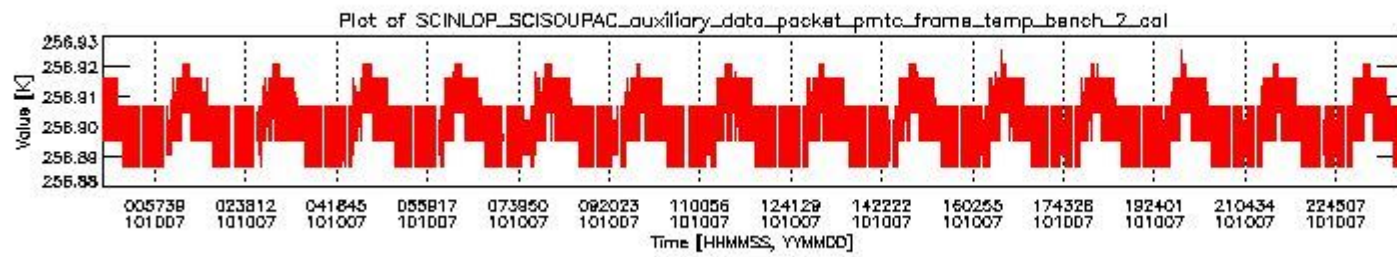
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20101007_004516_000056422093_00331_44974_2480.N1	07OCT2010 00:45:16	07OCT2010 02:19:18	0	0	0	0	0
1	SCI_NL__OPNPDE20101007_021918_000047162093_00332_44975_2481.N1	07OCT2010 02:19:18	07OCT2010 03:37:54	0	0	0	0	0
2	SCI_NL__OPNPDE20101007_033658_000061612093_00333_44976_2482.N1	07OCT2010 03:36:58	07OCT2010 05:19:39	0	0	0	0	0
3	SCI_NL__OPNPDE20101007_051939_000060372093_00334_44977_2483.N1	07OCT2010 05:19:39	07OCT2010 07:00:15	0	0	0	0	0
4	SCI_NL__OPNPDK20101007_070015_000039212093_00335_44978_2683.N1	07OCT2010 07:00:15	07OCT2010 08:05:36	0	0	0	0	0
5	SCI_NL__OPNPDK20101007_080332_000063412093_00336_44979_2684.N1	07OCT2010 08:03:32	07OCT2010 09:49:13	0	0	0	0	0
6	SCI_NL__OPNPDK20101007_094913_000059252093_00337_44980_2685.N1	07OCT2010 09:49:13	07OCT2010 11:27:58	0	0	0	0	0
7	SCI_NL__OPNPDK20101007_112553_000060242093_00338_44981_2686.N1	07OCT2010 11:25:53	07OCT2010 13:06:17	0	0	0	0	0
8	SCI_NL__OPNPDK20101007_130413_000061742093_00339_44982_2687.N1	07OCT2010 13:04:13	07OCT2010 14:47:06	0	0	0	0	0
9	SCI_NL__OPNPDK20101007_144558_000058002093_00340_44983_2688.N1	07OCT2010 14:45:58	07OCT2010 16:22:38	0	0	0	0	0
10	SCI_NL__OPNPDK20101007_161924_000061162093_00341_44984_2689.N1	07OCT2010 16:19:24	07OCT2010 18:01:20	0	0	0	0	0
11	SCI_NL__OPNPDK20101007_180001_000060362093_00342_44985_2690.N1	07OCT2010 18:00:01	07OCT2010 19:40:37	0	0	0	0	0
12	SCI_NL__OPNPDE20101007_193844_000040422093_00343_44986_2484.N1	07OCT2010 19:38:44	07OCT2010 20:46:06	0	0	0	0	0
13	SCI_NL__OPNPDE20101007_204606_000065122093_00343_44986_2485.N1	07OCT2010 20:46:06	07OCT2010 22:34:38	0	0	0	0	0
14	SCI_NL__OPNPDE20101007_223309_000060362093_00344_44987_2486.N1	07OCT2010 22:33:09	08OCT2010 00:13:46	0	0	0	0	0

## 0.2 Product Quality Indicators

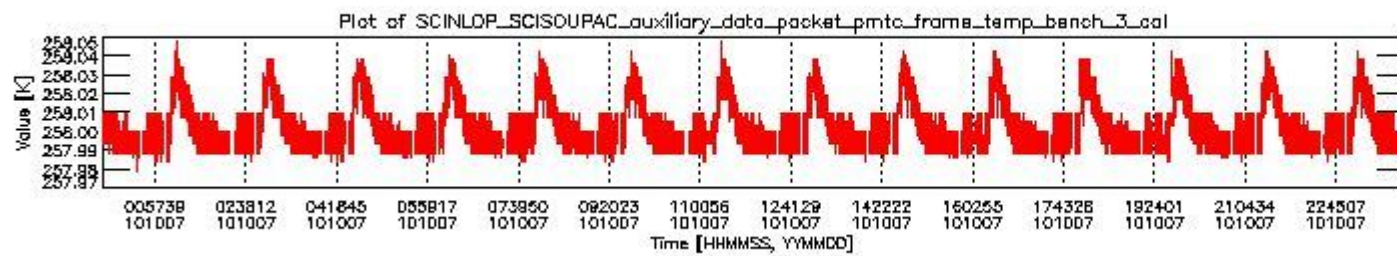
This section shows information about product quality, currently temperatures.



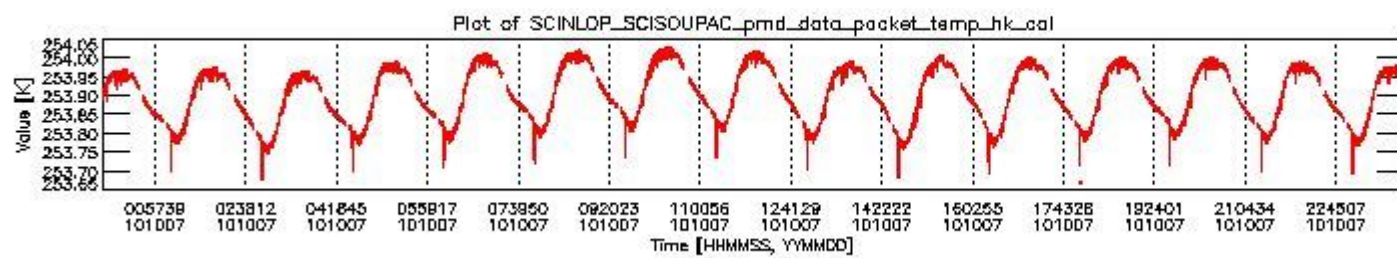
sciamachy\_daily\_report\_level0\_Any\_version\_20101007\_0.PNG



sciamachy\_daily\_report\_level0\_Any\_version\_20101007\_1.PNG

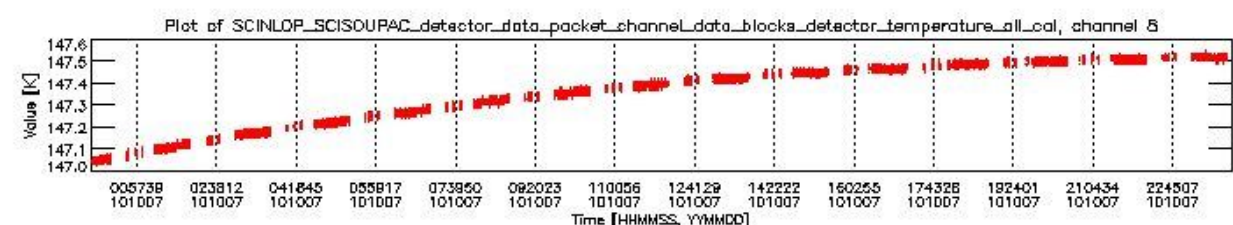
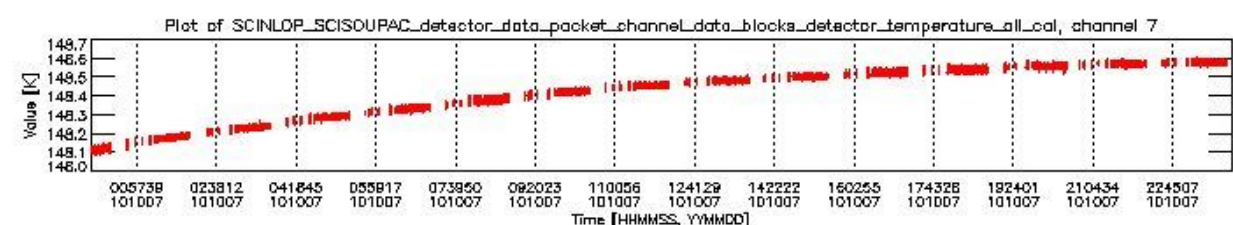
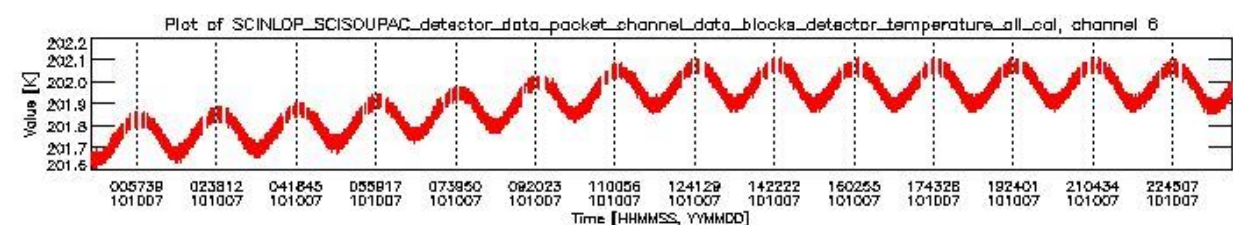
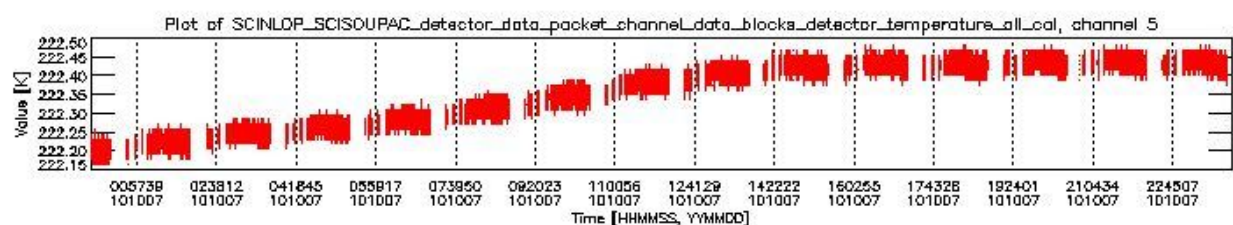
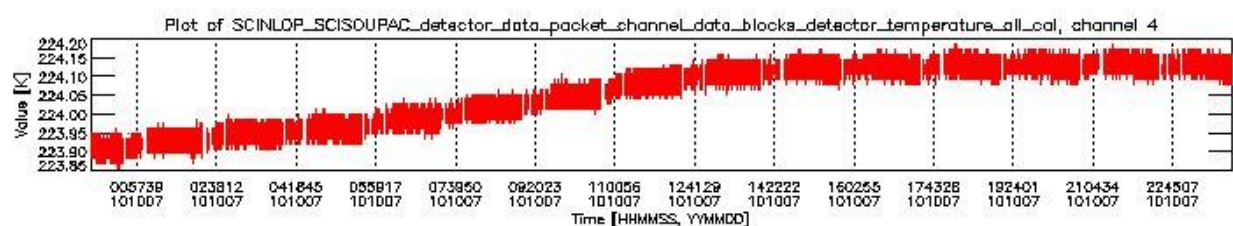
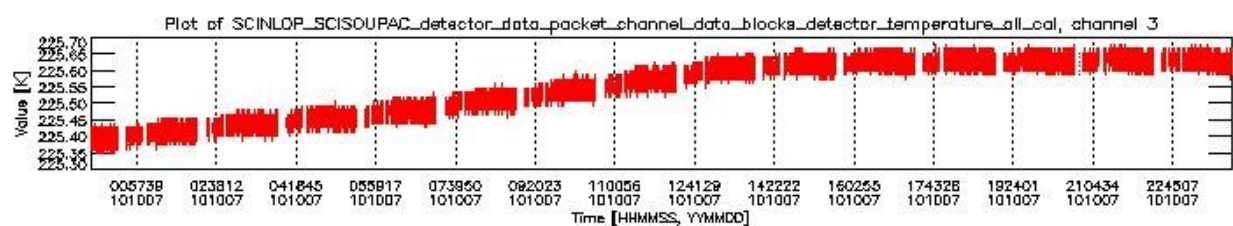
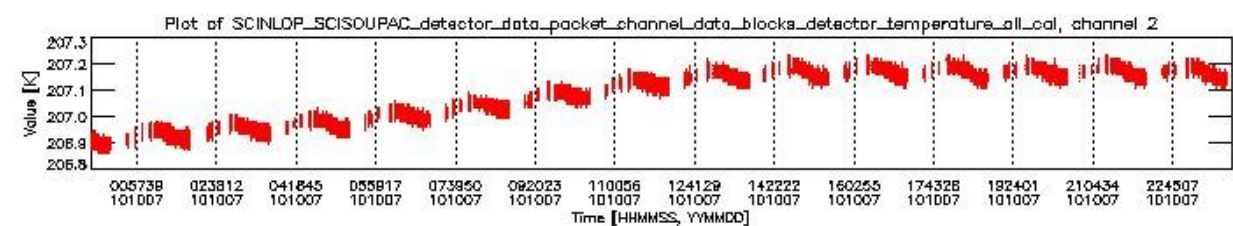
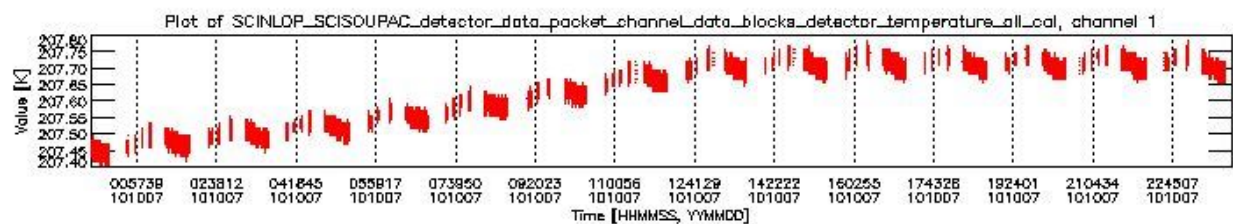


sciamachy\_daily\_report\_level0\_Any\_version\_20101007\_2.PNG



sciamachy\_daily\_report\_level0\_Any\_version\_20101007\_3.PNG



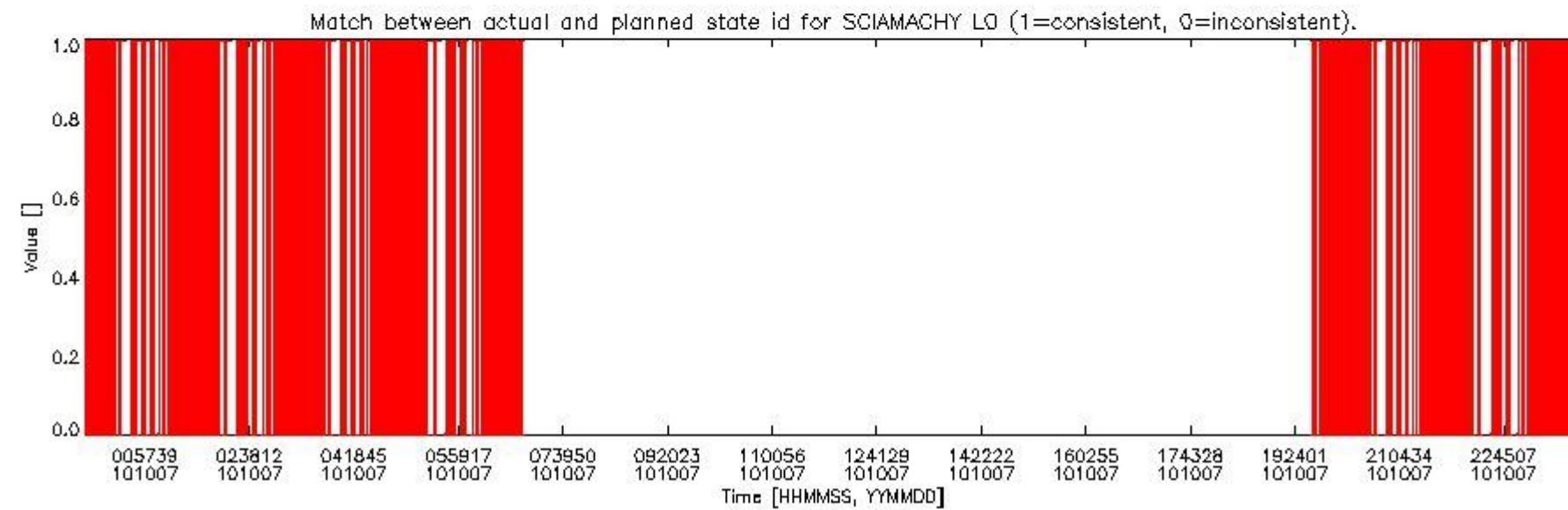
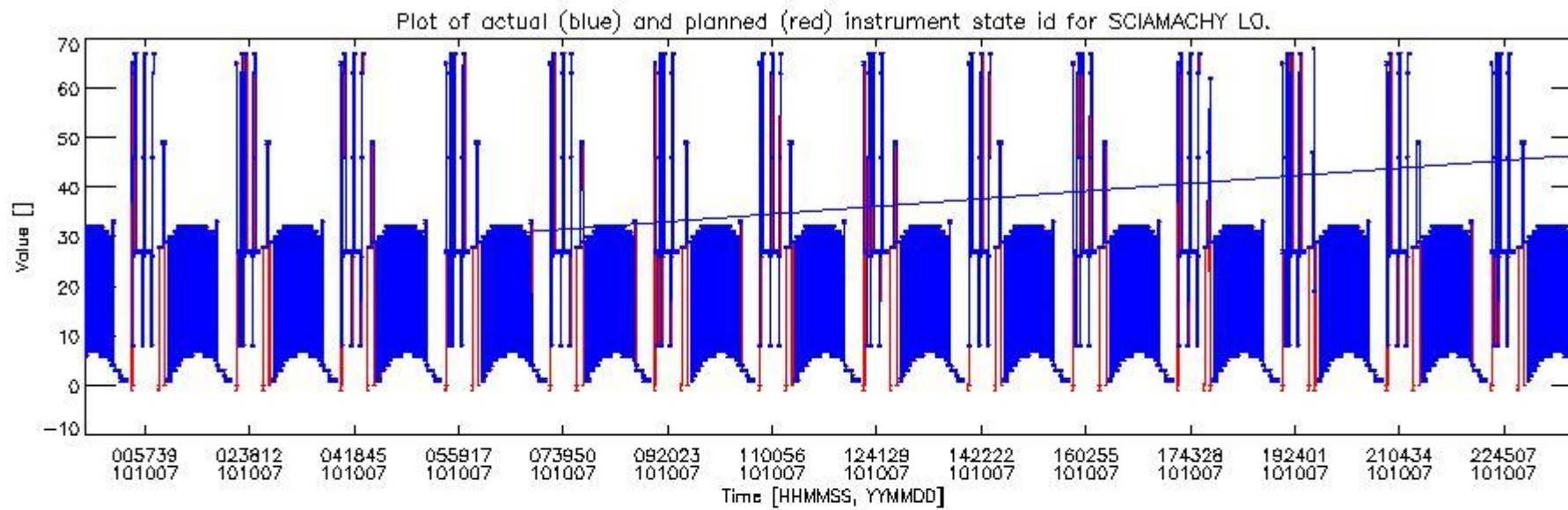


### 0.3 State monitoring

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: **52680**

#	Actual time	Actual value	Planned time	Planned value
0	07OCT2010 00:00:05.966923	6	07OCT2010 00:00:05.966923	32
1	07OCT2010 00:00:06.341923	6	07OCT2010 00:00:06.341923	32
2	07OCT2010 00:00:06.591923	6	07OCT2010 00:00:06.591923	32
3	07OCT2010 00:00:06.841923	6	07OCT2010 00:00:06.841923	32
4	07OCT2010 00:00:07.091923	6	07OCT2010 00:00:07.091923	32
5	07OCT2010 00:00:07.341923	6	07OCT2010 00:00:07.341923	32
6	07OCT2010 00:00:07.591923	6	07OCT2010 00:00:07.591923	32
7	07OCT2010 00:00:07.841923	6	07OCT2010 00:00:07.841923	32
8	07OCT2010 00:00:08.091923	6	07OCT2010 00:00:08.091923	32
9	07OCT2010 00:00:08.341923	6	07OCT2010 00:00:08.341923	32
10	07OCT2010 00:00:08.591923	6	07OCT2010 00:00:08.591923	32
11	07OCT2010 00:00:08.841923	6	07OCT2010 00:00:08.841923	32
12	07OCT2010 00:00:09.091923	6	07OCT2010 00:00:09.091923	32
13	07OCT2010 00:00:09.341923	6	07OCT2010 00:00:09.341923	32
14	07OCT2010 00:00:09.591923	6	07OCT2010 00:00:09.591923	32
15	07OCT2010 00:00:09.841923	6	07OCT2010 00:00:09.841923	32
16	07OCT2010 00:00:10.091923	6	07OCT2010 00:00:10.091923	32
17	07OCT2010 00:00:10.341923	6	07OCT2010 00:00:10.341923	32
18	07OCT2010 00:00:10.591923	6	07OCT2010 00:00:10.591923	32
19	07OCT2010 00:00:10.841923	6	07OCT2010 00:00:10.841923	32
	...	...	...	...



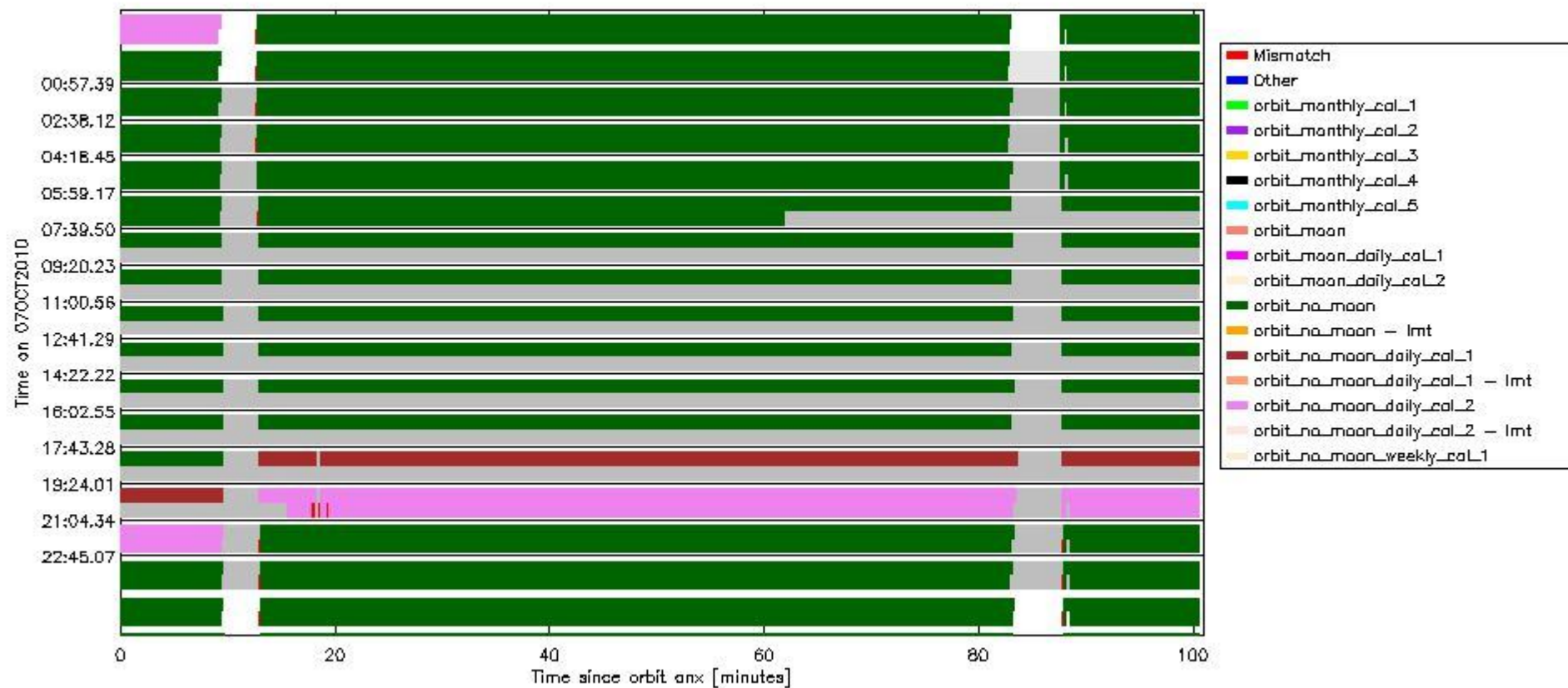
sciamachy\_daily\_report\_level0\_Any\_version\_20101007\_5.PNG

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 07OCT2010.  
 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\_Any\_version\_20101007\_6.PNG

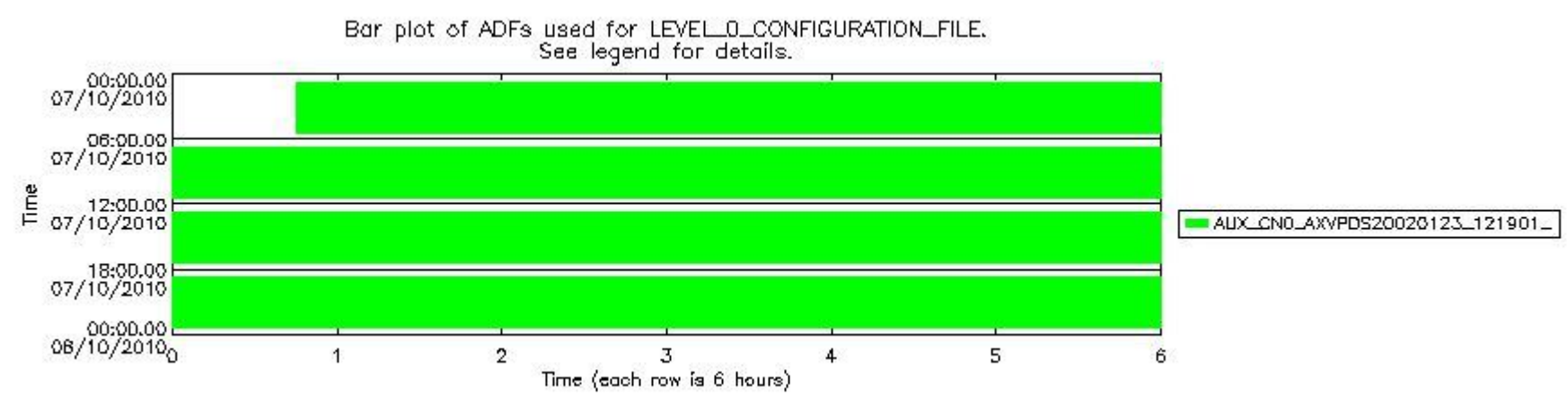
## 0.4 ADF monitoring

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

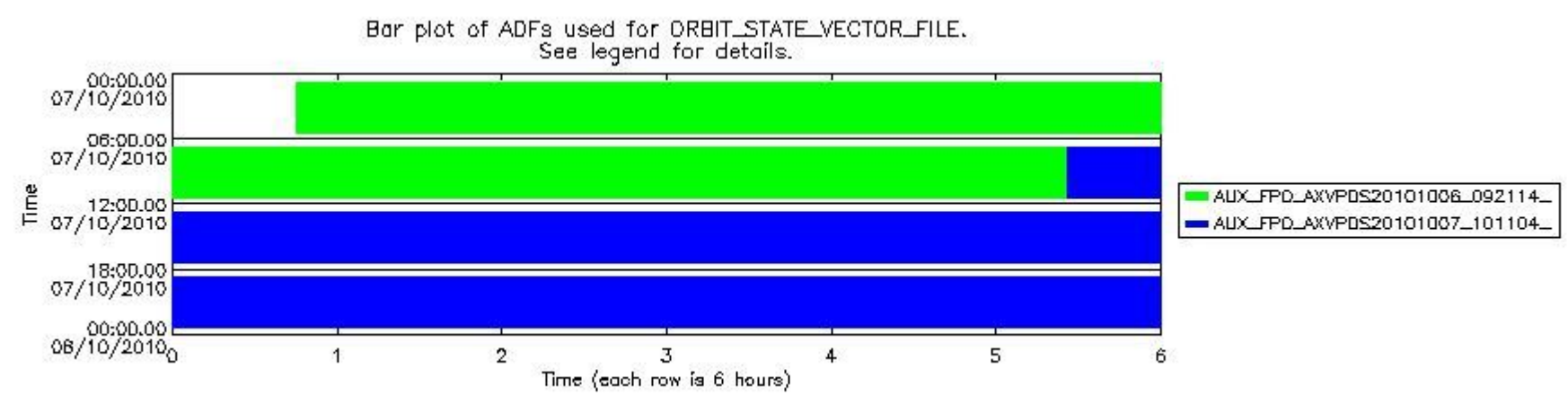
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

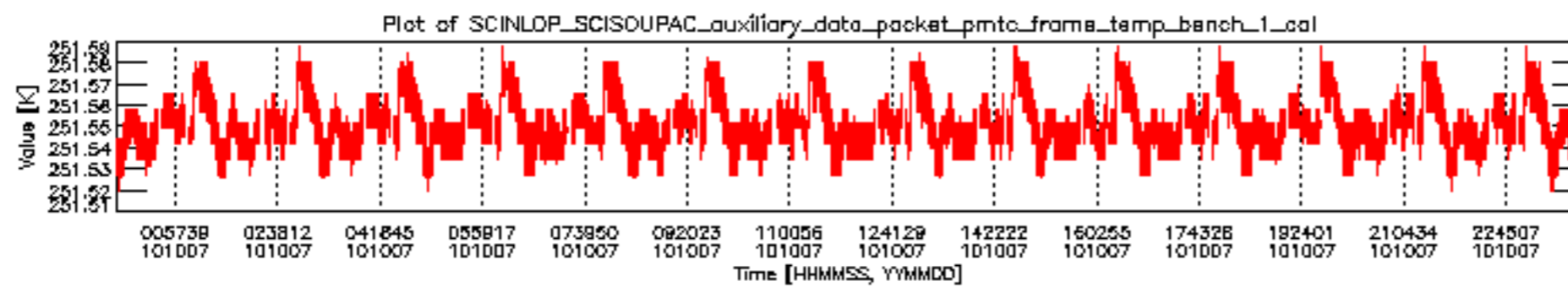
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20101006_092114_20101005_184643_20101015_201254
2	AUX_FPO_AXVPDS20101007_101104_20101006_195542_20101016_212153



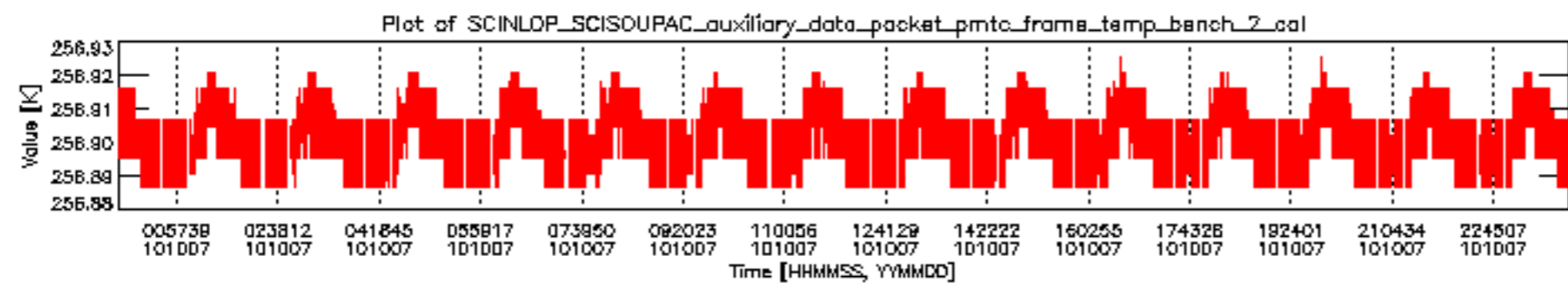
sciamachy\_daily\_report\_level0\_Any\_version\_20101007\_7.PNG

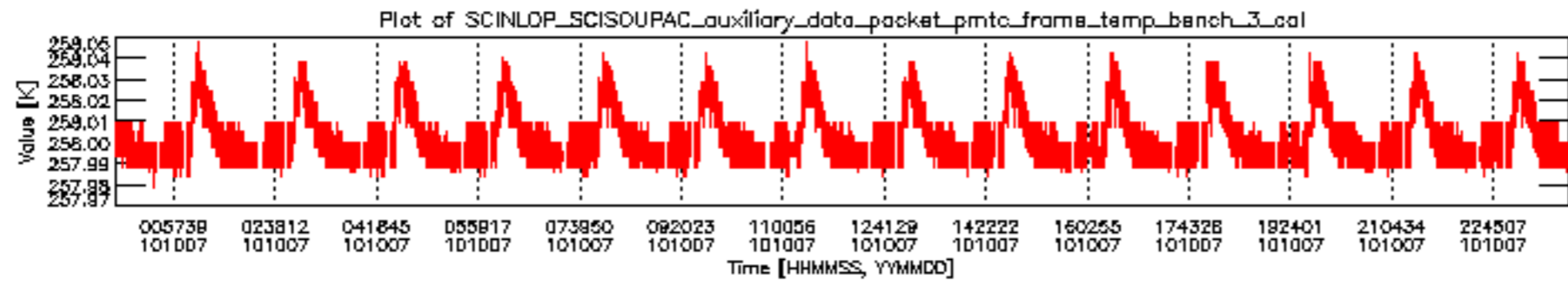


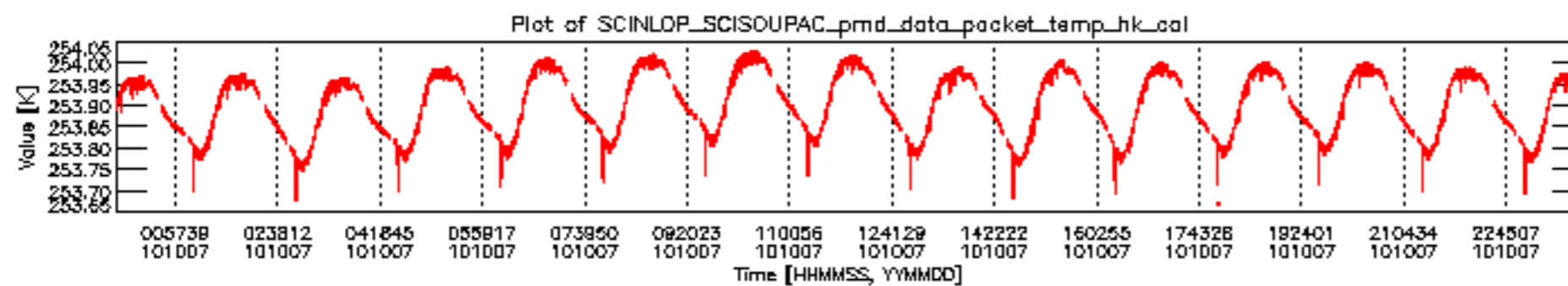
sciamachy\_daily\_report\_level0\_Any\_version\_20101007\_8.PNG

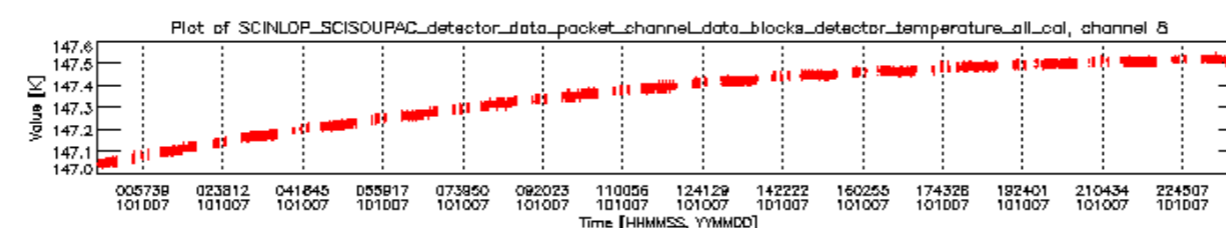
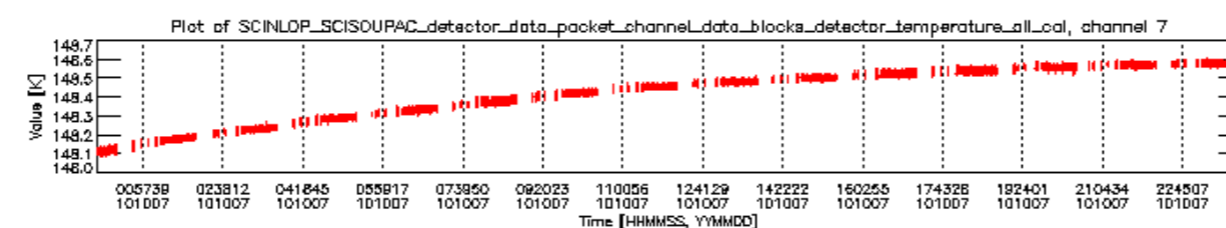
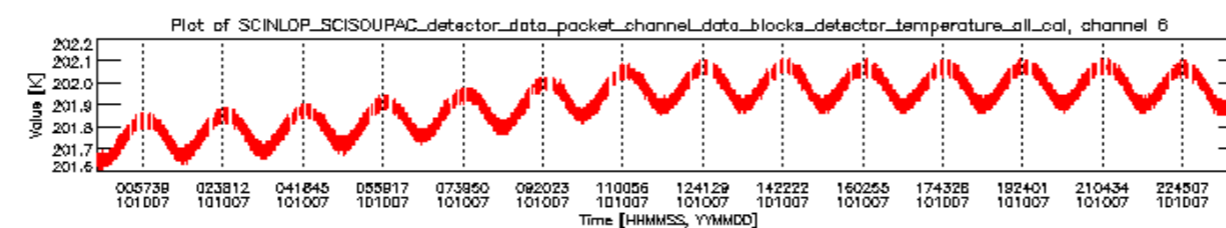
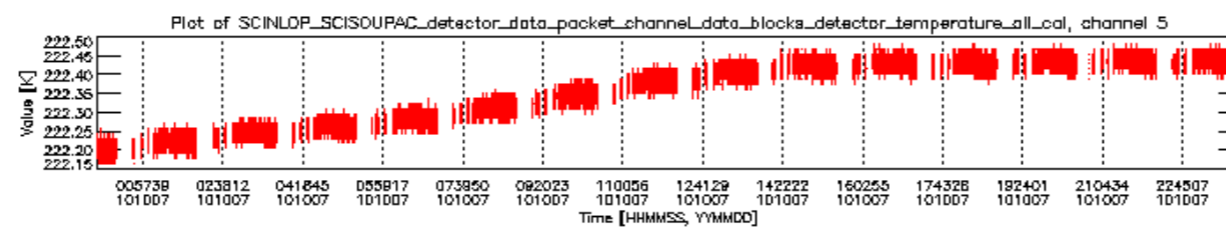
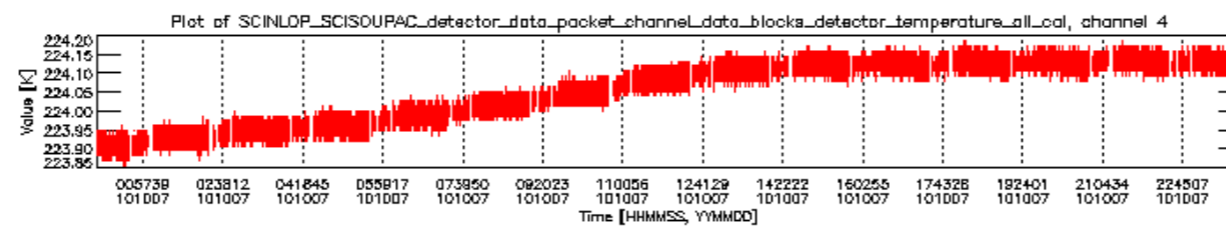
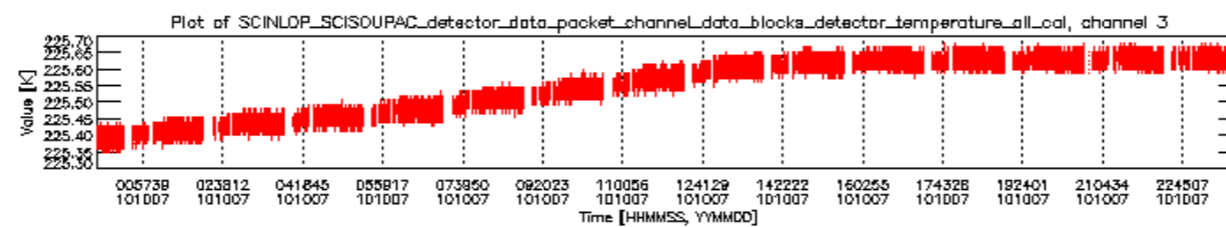
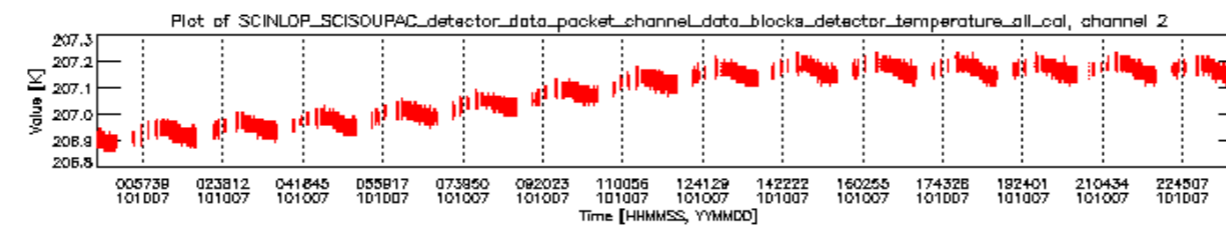
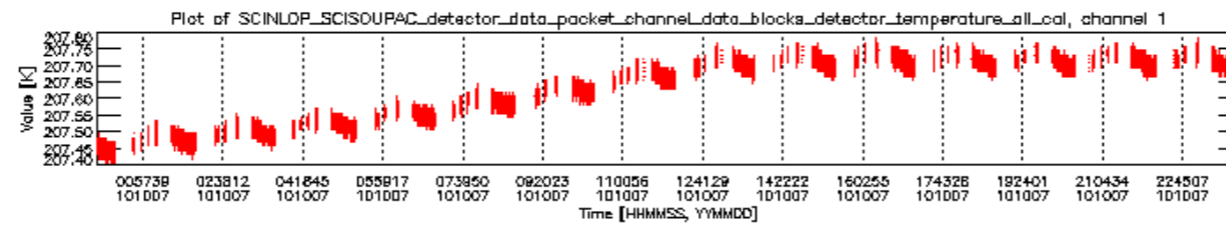




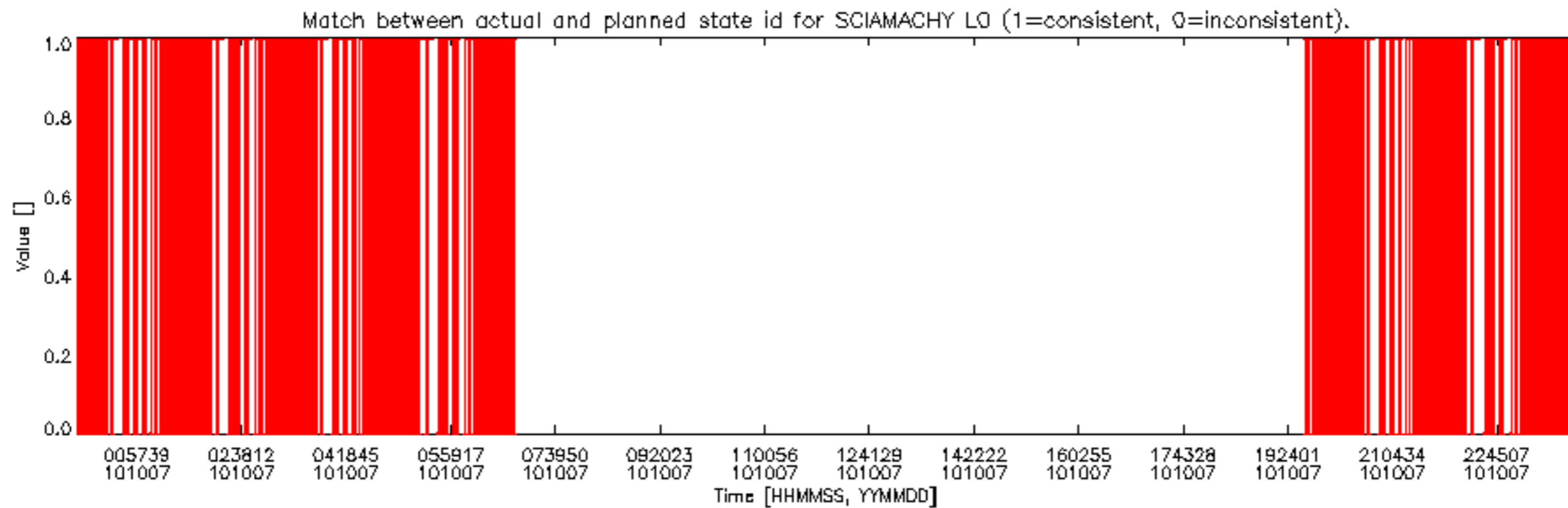
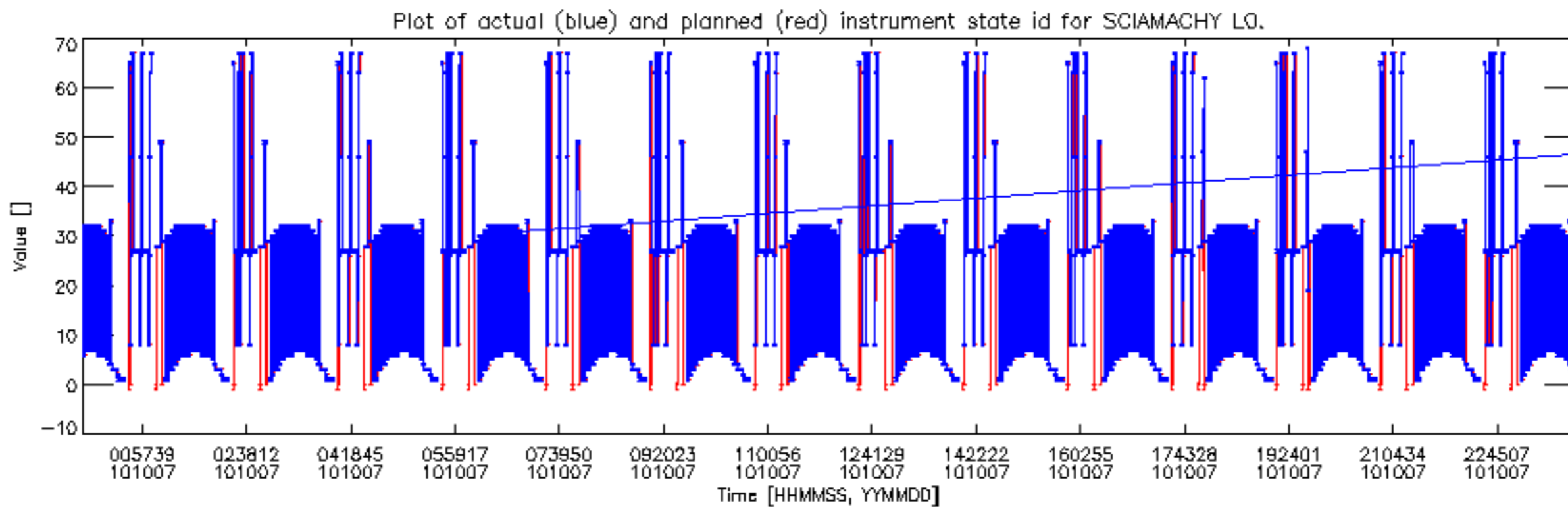












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