

## 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	13JAN2012 03:10:52
Data source version	KSPT_L0/4504-N
Processing scope for products	06JAN2012 00:00:00 to 07JAN2012 00:00:00
Start time of first product within scope	06JAN2012 00:22:38
Stop time of last product within scope	07JAN2012 01:26:51
Total number of Level 0 products	14
Number of Level 0 products with errors	0

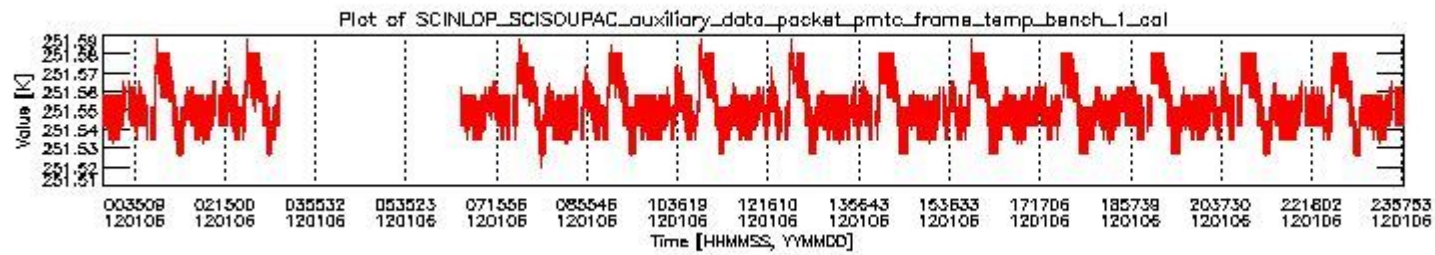
### 0.1.2 Summary per product

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

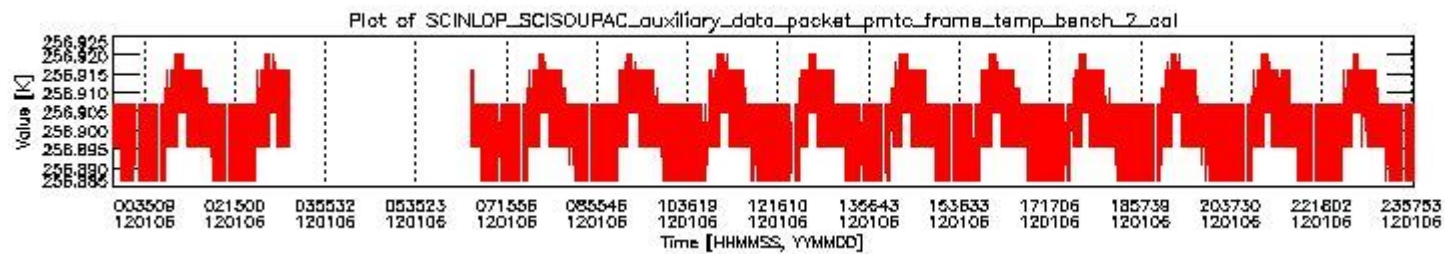
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20120106_002238_000058763110_00217_51524_4646.N1	06JAN2012 00:22:38	06JAN2012 02:00:34	0	0	0	0	0
1	SCI_NL__OPNPDE20120106_015925_000045013110_00218_51525_4647.N1	06JAN2012 01:59:25	06JAN2012 03:14:26	0	0	0	0	0
2	SCI_NL__OPNPDK20120106_063548_000040503110_00221_51528_6852.N1	06JAN2012 06:35:48	06JAN2012 07:43:18	0	0	0	0	0
3	SCI_NL__OPNPDK20120106_074223_000060683110_00222_51529_6853.N1	06JAN2012 07:42:23	06JAN2012 09:23:31	0	0	0	0	0
4	SCI_NL__OPNPDK20120106_092143_000061913110_00223_51530_6854.N1	06JAN2012 09:21:43	06JAN2012 11:04:53	0	0	0	0	0
5	SCI_NL__OPNPDK20120106_110345_000059603110_00224_51531_6855.N1	06JAN2012 11:03:45	06JAN2012 12:43:04	0	0	0	0	0
6	SCI_NL__OPNPDK20120106_124210_000059603110_00225_51532_6856.N1	06JAN2012 12:42:10	06JAN2012 14:21:30	0	0	0	0	0
7	SCI_NL__OPNPDK20120106_142036_000058763110_00226_51533_6857.N1	06JAN2012 14:20:36	06JAN2012 15:58:32	0	0	0	0	0
8	SCI_NL__OPNPDK20120106_155832_000059043110_00227_51534_6858.N1	06JAN2012 15:58:32	06JAN2012 17:36:56	0	0	0	0	0
9	SCI_NL__OPNPDK20120106_173602_000056973110_00228_51535_6859.N1	06JAN2012 17:36:02	06JAN2012 19:10:59	0	0	0	0	0
10	SCI_NL__OPNPDK20120106_191059_000060533110_00229_51536_6860.N1	06JAN2012 19:10:59	06JAN2012 20:51:52	0	0	0	0	0
11	SCI_NL__OPNPDE20120106_205024_000044273110_00230_51537_4650.N1	06JAN2012 20:50:24	06JAN2012 22:04:11	0	0	0	0	0
12	SCI_NL__OPNPDE20120106_220411_000060803110_00230_51537_4651.N1	06JAN2012 22:04:11	06JAN2012 23:45:31	0	0	0	0	0
13	SCI_NL__OPNPDE20120106_234531_000060803110_00231_51538_4652.N1	06JAN2012 23:45:31	07JAN2012 01:26:51	0	0	0	0	0

## 0.2 Product Quality Indicators

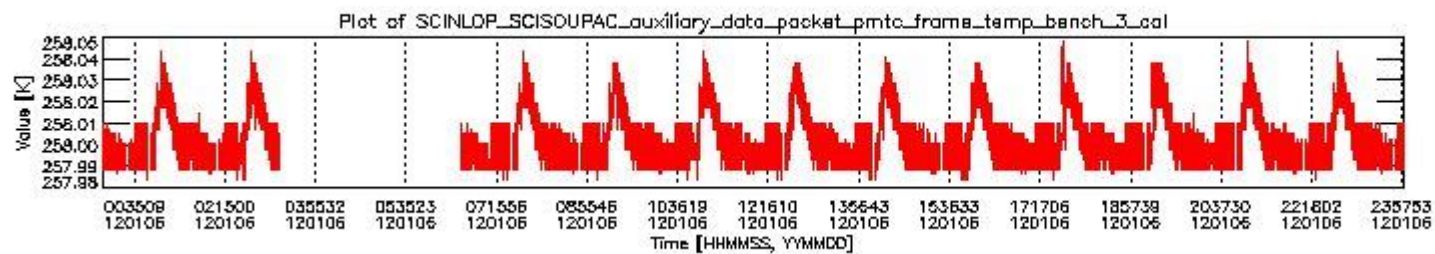
This section shows information about product quality, currently temperatures.



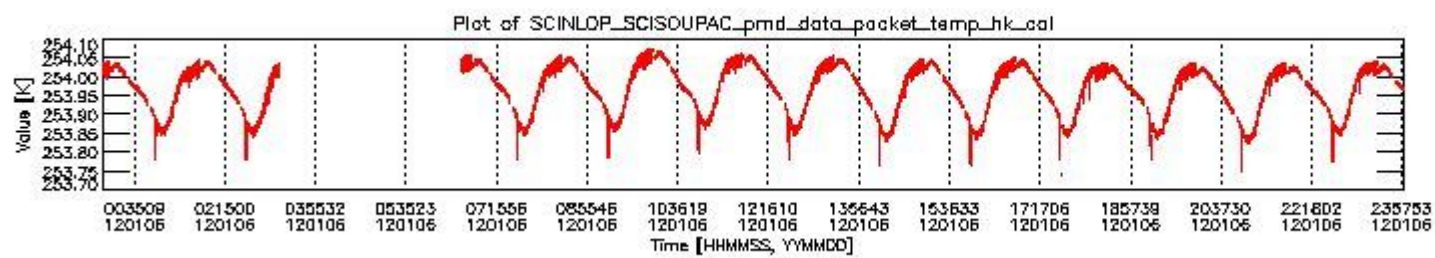
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120106\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120106\_1.PNG

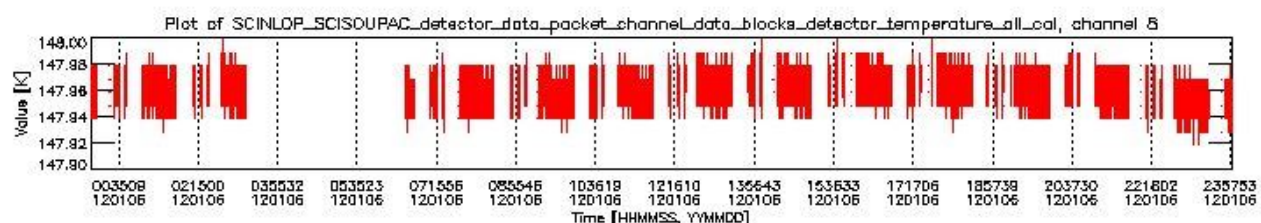
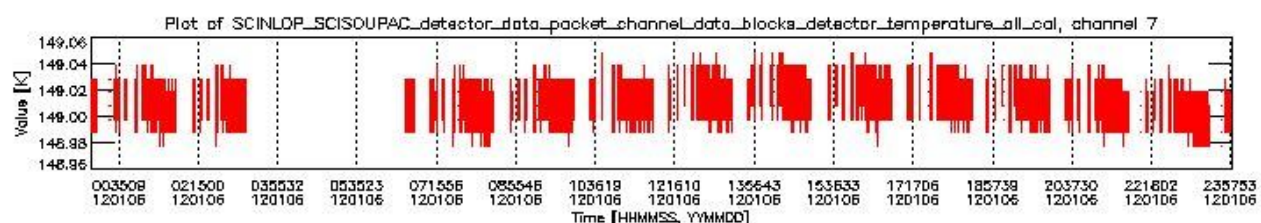
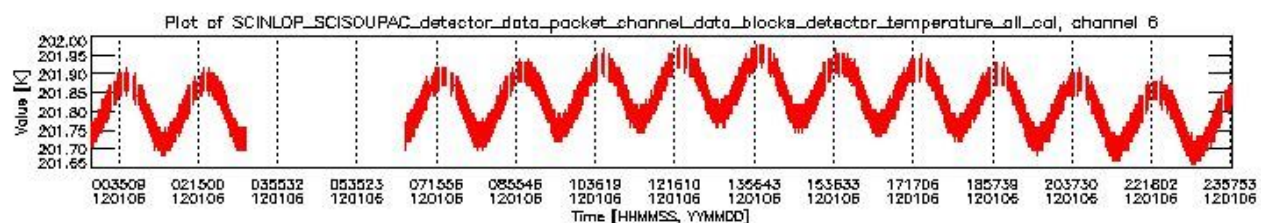
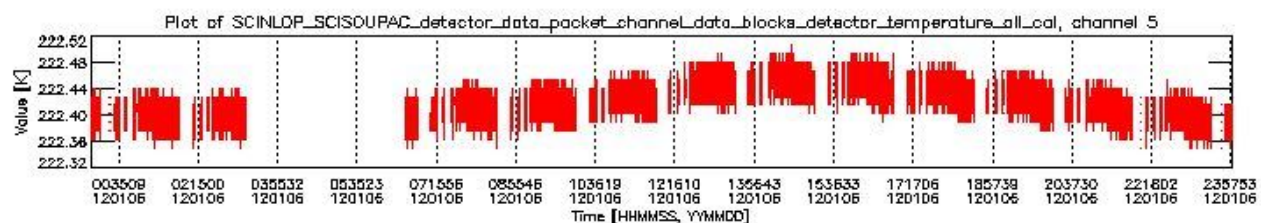
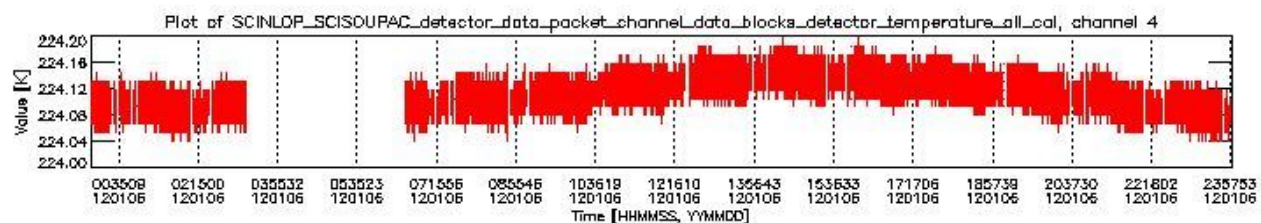
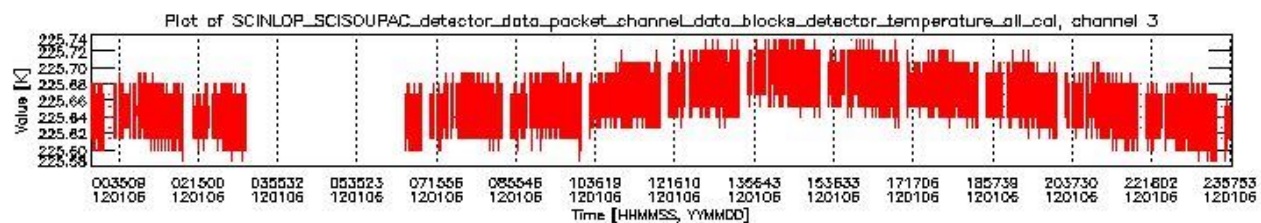
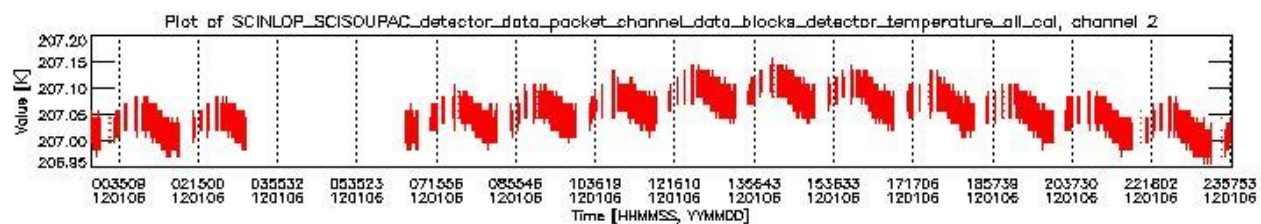
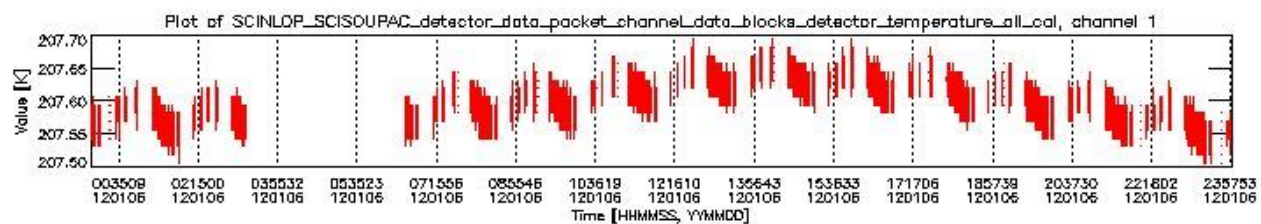


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120106\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120106\_3.PNG



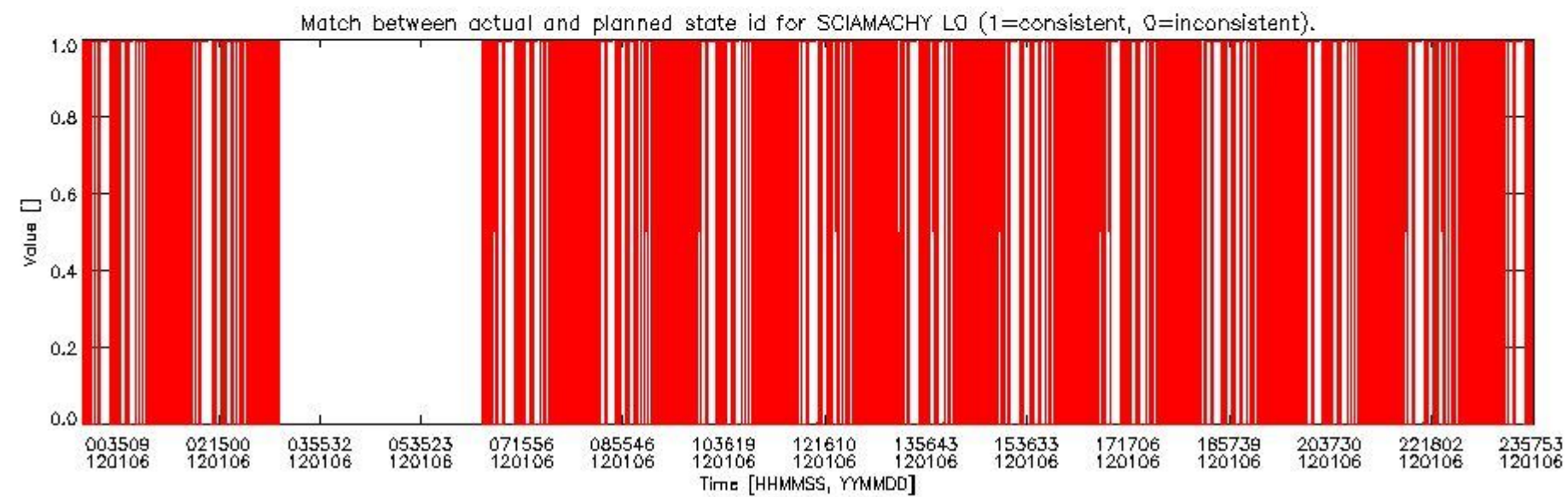
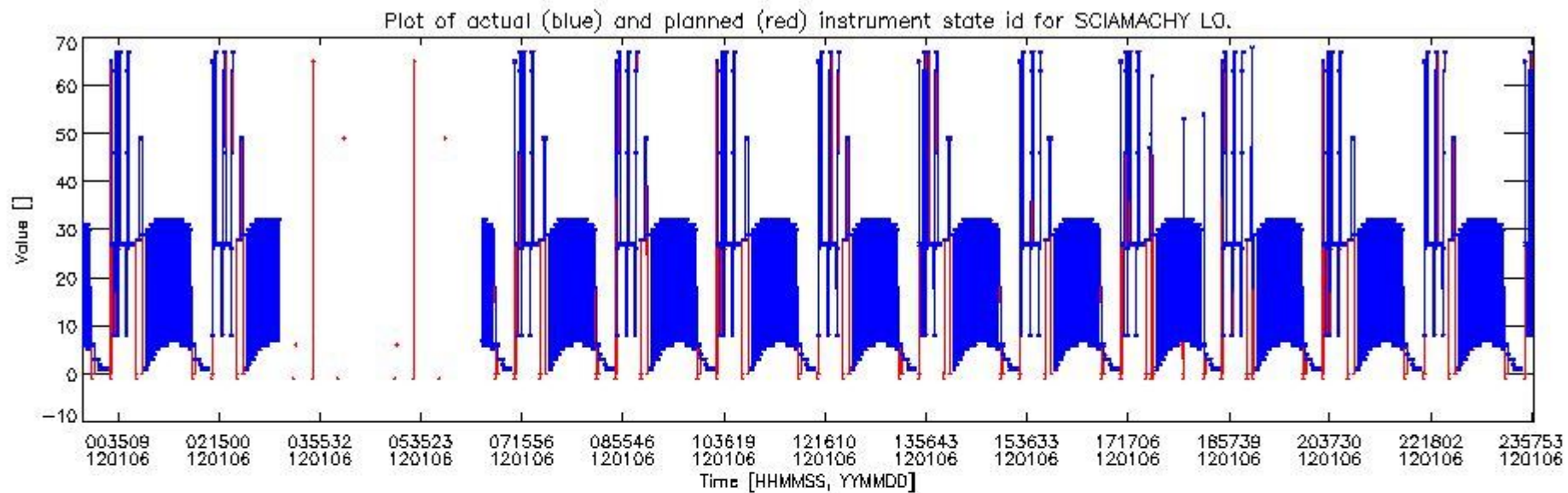


### 0.3 State monitoring

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: **36411**

#	Actual time	Actual value	Planned time	Planned value
0	06JAN2012 00:00:07.260925	31	06JAN2012 00:00:07.260925	6
1	06JAN2012 00:00:07.885925	31	06JAN2012 00:00:07.885925	6
2	06JAN2012 00:00:08.260925	31	06JAN2012 00:00:08.260925	6
3	06JAN2012 00:00:08.635925	31	06JAN2012 00:00:08.635925	6
4	06JAN2012 00:00:09.198425	31	06JAN2012 00:00:09.198425	6
5	06JAN2012 00:00:09.573425	31	06JAN2012 00:00:09.573425	6
6	06JAN2012 00:00:09.948425	31	06JAN2012 00:00:09.948425	6
7	06JAN2012 00:00:10.323425	31	06JAN2012 00:00:10.323425	6
8	06JAN2012 00:00:10.885925	31	06JAN2012 00:00:10.885925	6
9	06JAN2012 00:00:11.260925	31	06JAN2012 00:00:11.260925	6
10	06JAN2012 00:00:11.635925	31	06JAN2012 00:00:11.635925	6
11	06JAN2012 00:00:12.010925	31	06JAN2012 00:00:12.010925	6
12	06JAN2012 00:00:12.260925	31	06JAN2012 00:00:12.260925	6
13	06JAN2012 00:00:12.573425	31	06JAN2012 00:00:12.573425	6
14	06JAN2012 00:00:12.948425	31	06JAN2012 00:00:12.948425	6
15	06JAN2012 00:00:13.323425	31	06JAN2012 00:00:13.323425	6
16	06JAN2012 00:00:13.698425	31	06JAN2012 00:00:13.698425	6
17	06JAN2012 00:00:14.260925	31	06JAN2012 00:00:14.260925	6
18	06JAN2012 00:00:14.635925	31	06JAN2012 00:00:14.635925	6
19	06JAN2012 00:00:15.010925	31	06JAN2012 00:00:15.010925	6
	...	...	...	...



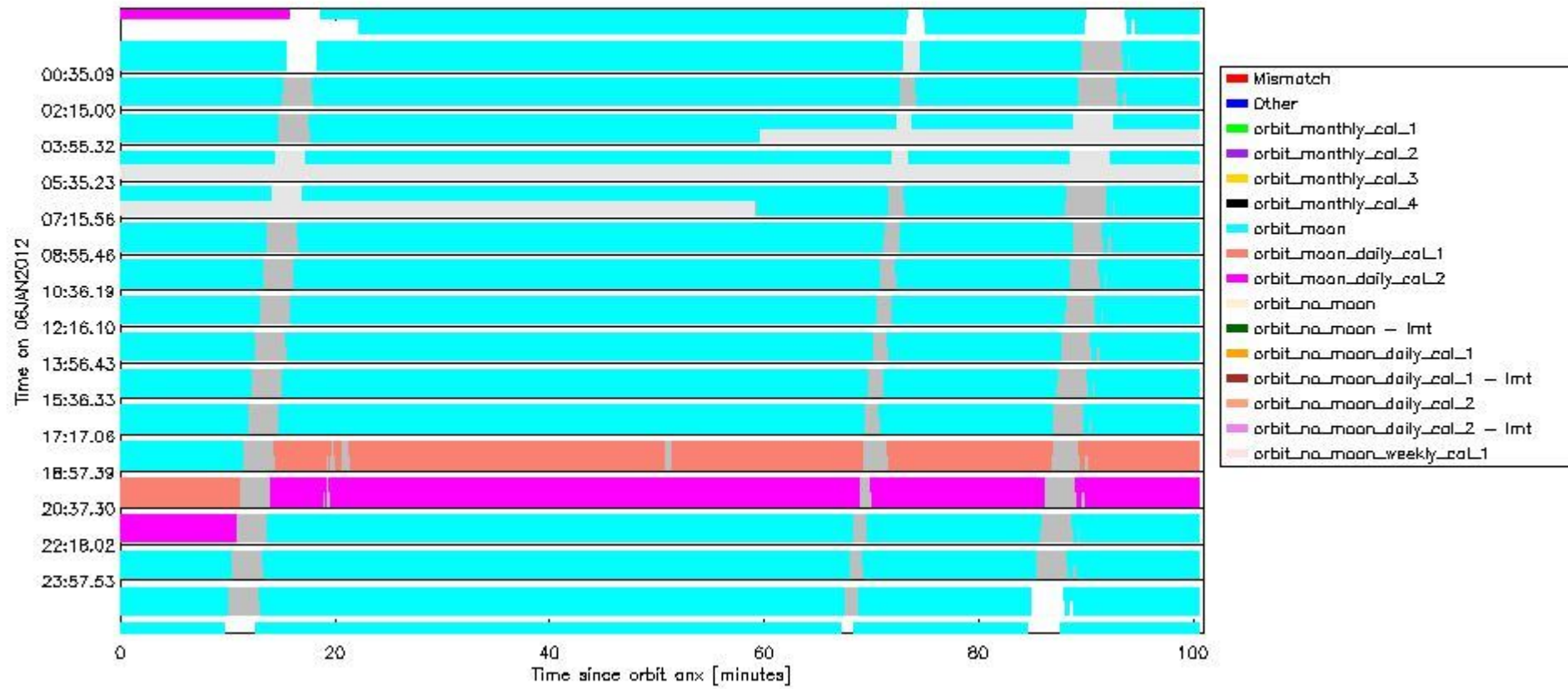
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120106\_5.PNG

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 06JAN2012.  
 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\_4504\_N\_20120106\_6.PNG

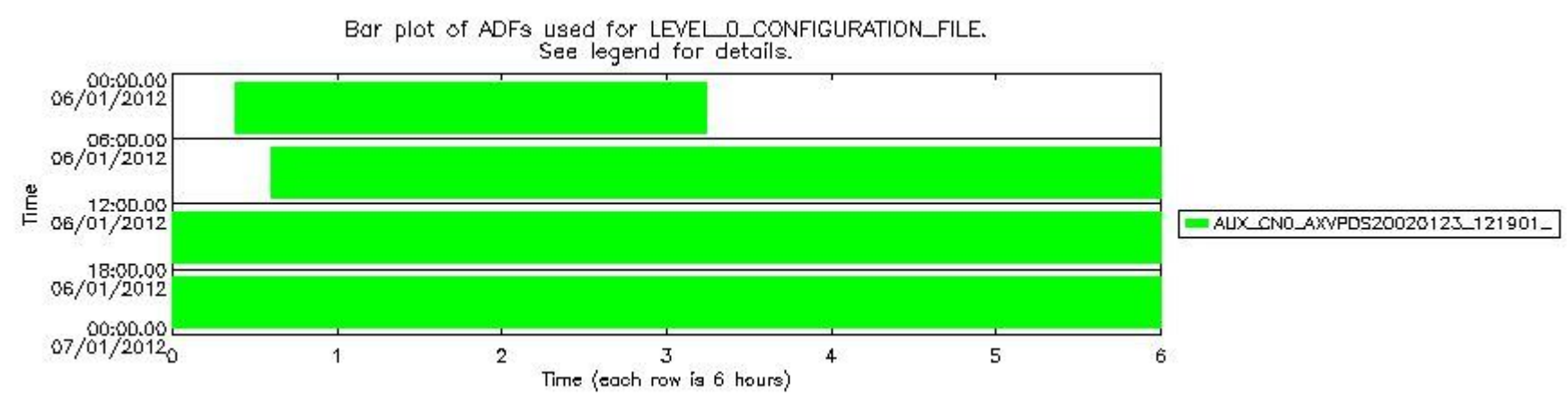
## 0.4 ADF monitoring

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

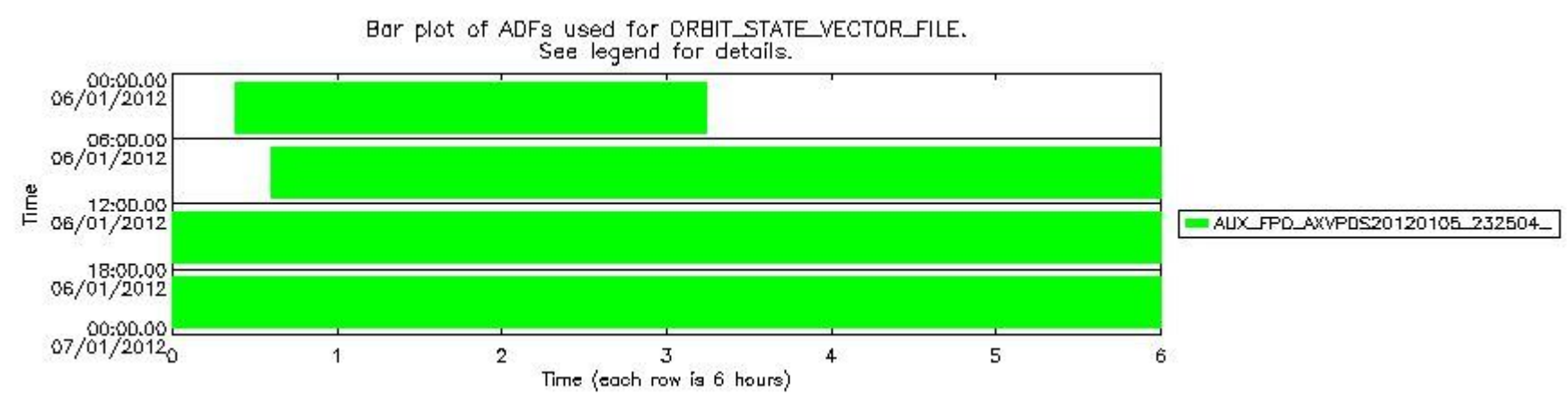
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

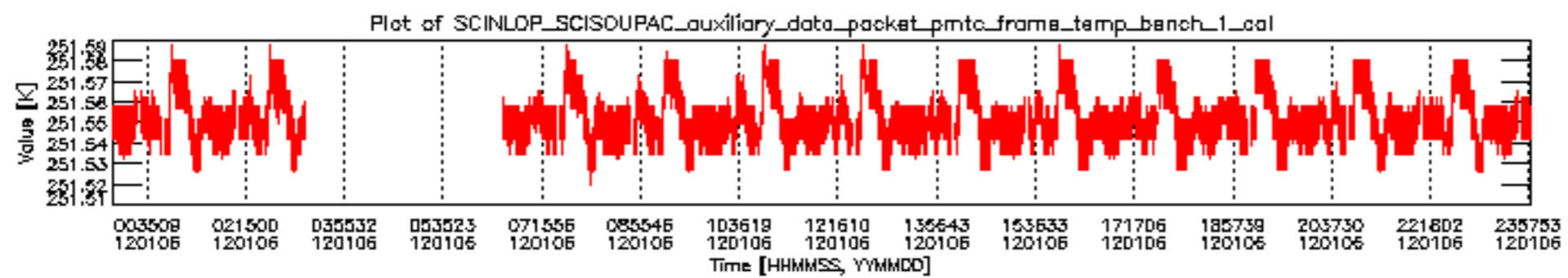
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20120105_232504_20120105_193406_20120115_200732



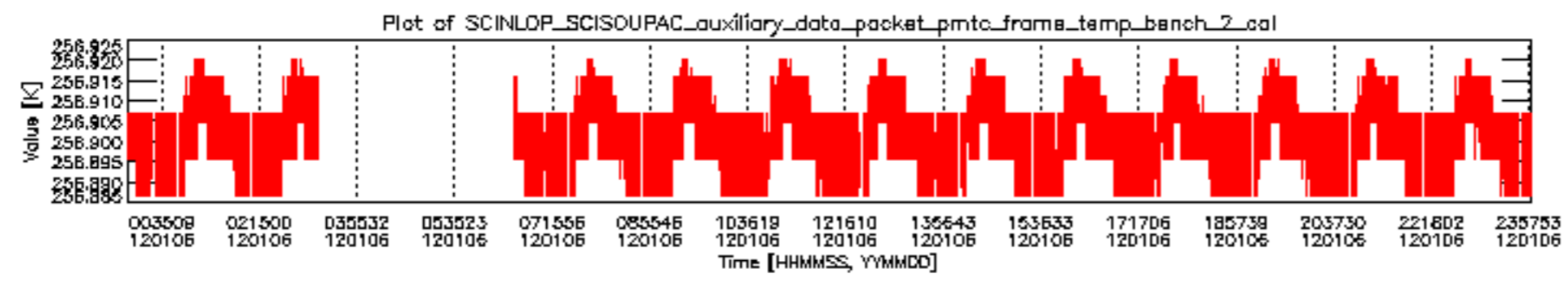
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120106\_7.PNG

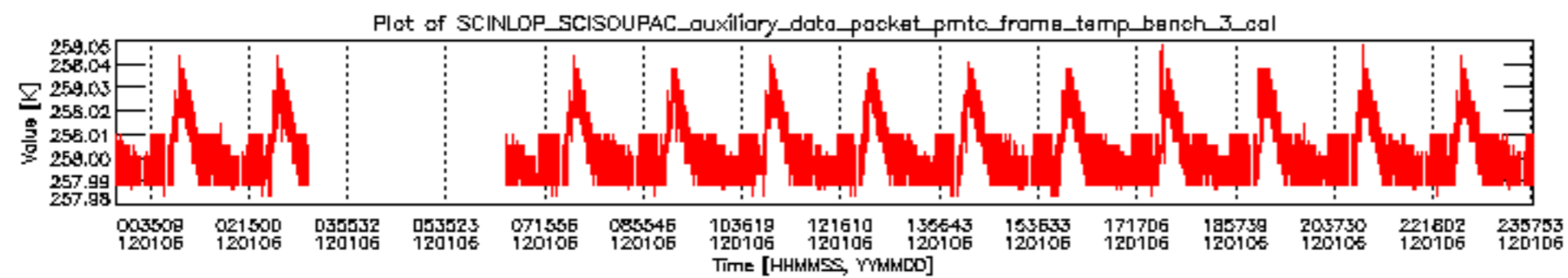


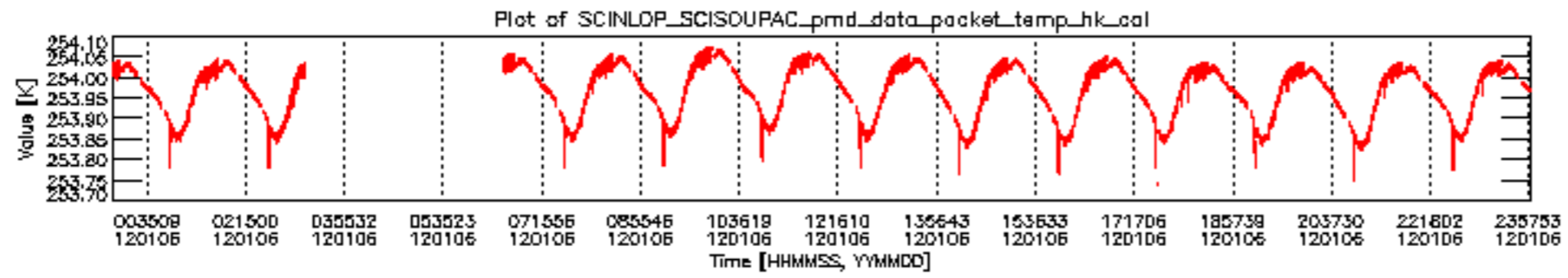
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120106\_8.PNG

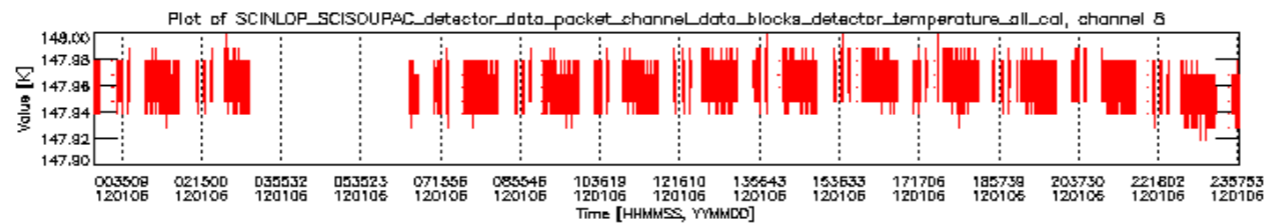
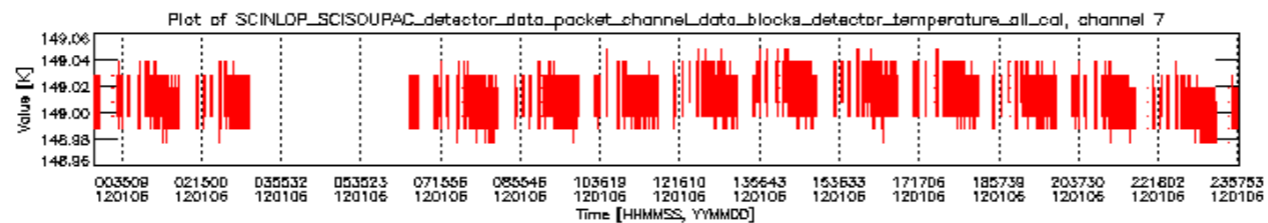
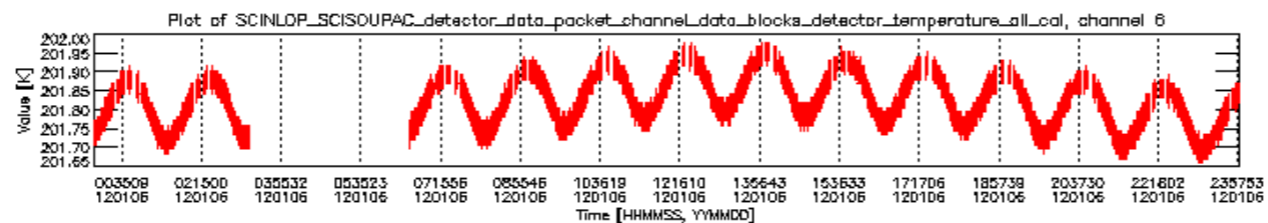
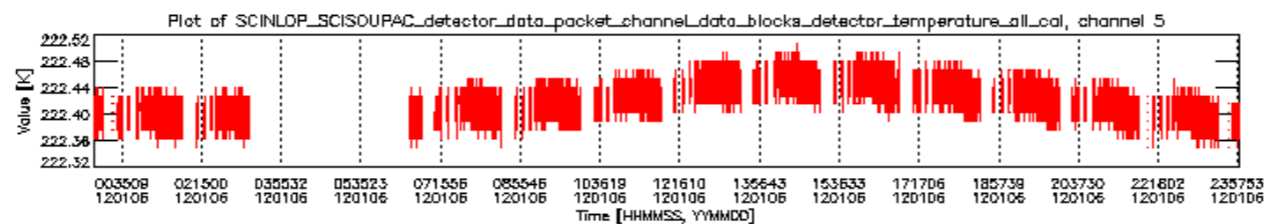
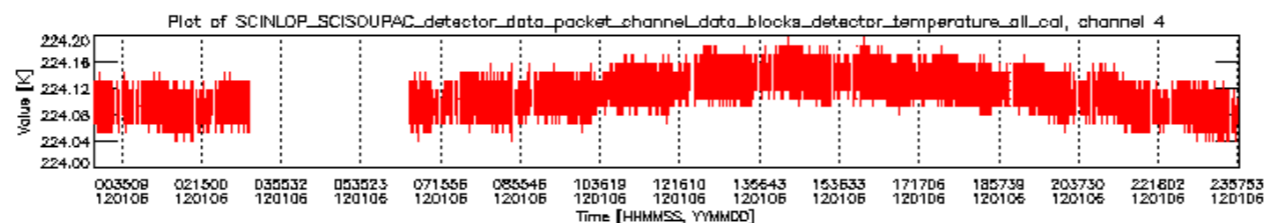
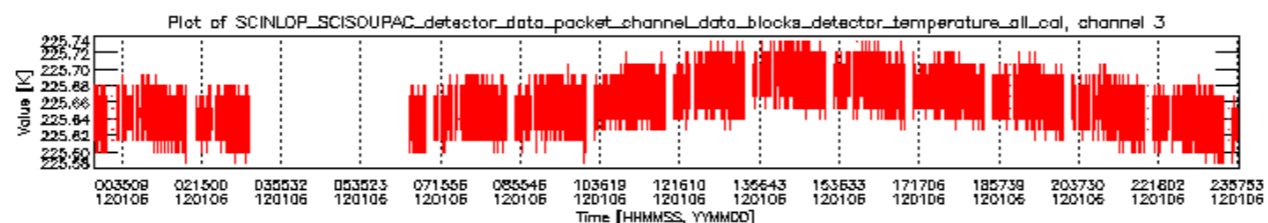
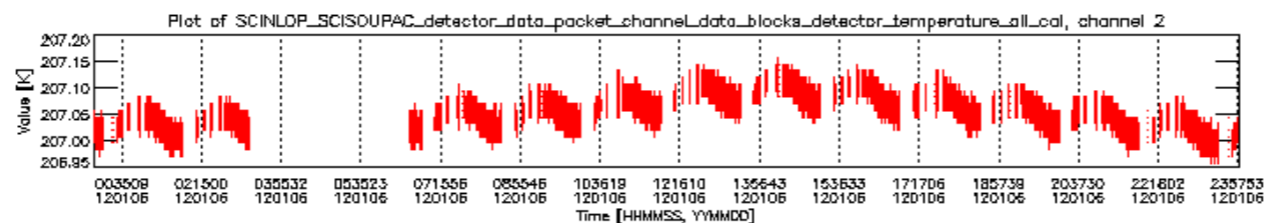
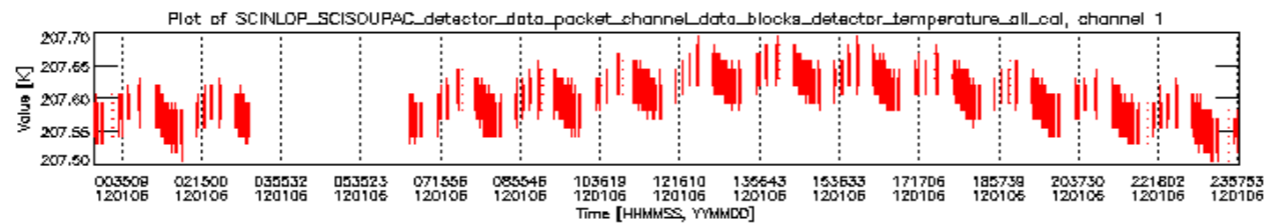




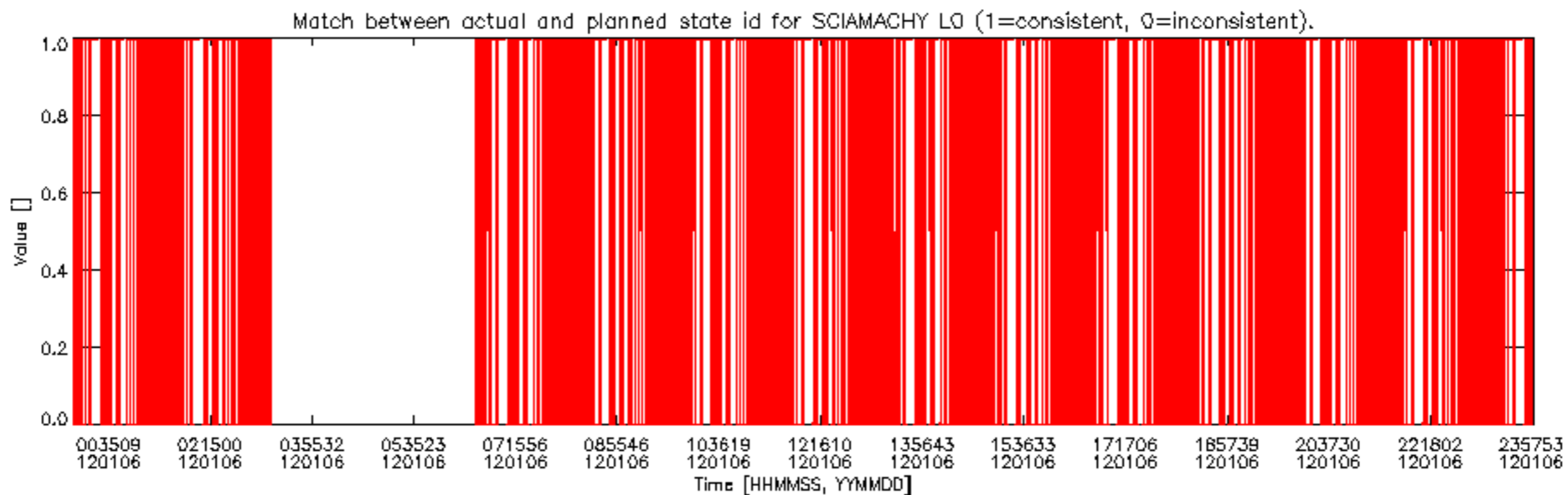
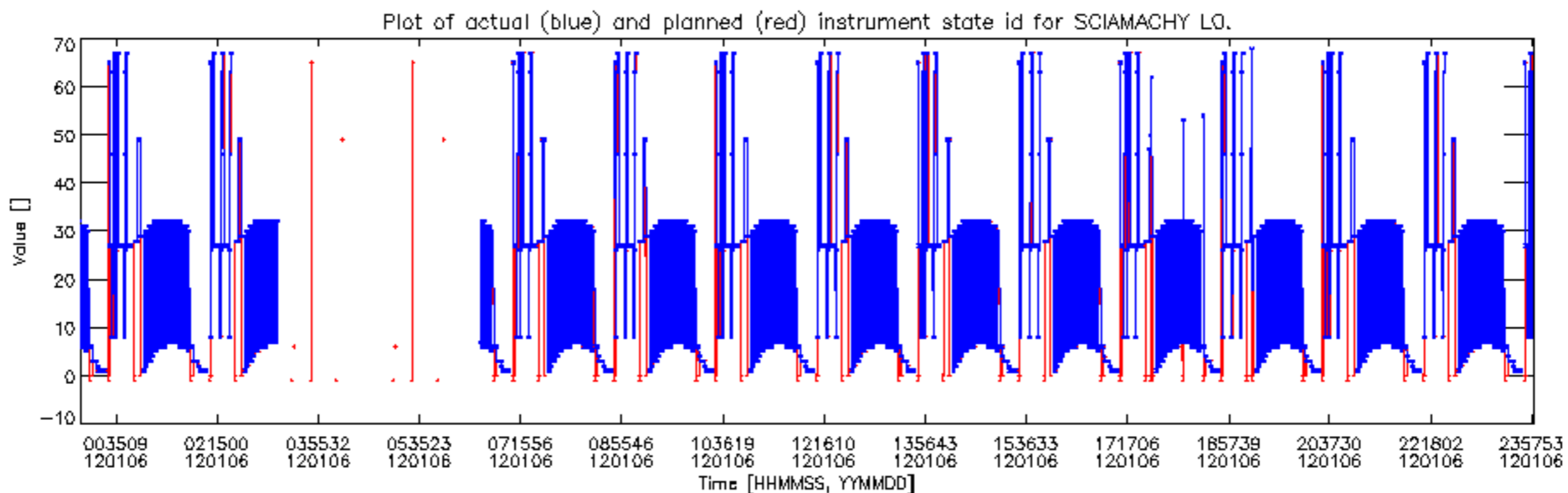












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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